

קטלוג מוצרים

מטרסו

הפצה WIDIA ישראל



מטרסו

הפצה WIDIA ישראל

חברת מטרסו נוסדה בשנת 1964 כבית מסחר לאספקה טכנית.
כיום מאגדת בתוכה מגוון פתרונות מובילים לתעשיות הפלדה,
התעופה, העיבוד השבבי ועוד.
החברה מיצגת ומשווקת מותגים מובילים רבים וכמפיצה הבלעדית
לשוק האזרחי של WIDIA-HANITA.
שומרת על היסודות שעליהם הוקמה, מקצועיות וקדמה טכנולוגית
בכל התחומים עם מלאים גדולים המאפשרים שרות מהיר ומחויב.

ספק
משהב"ט

תוכן עניינים

א

אופטיוויייזר › 111
אינדיקטור פופי-טסט › 165-168
ארונות מתכת › 213-217

ב

בוקסות › 187-194
בלוק V מגנטי › 157
בסיס למיקרומטר › 160
בסיס לפלטה גרניט › 155
בסיס לקליבר › 125

ו

וקס קירור › 52

ז

זויתן שערה › 113

ח

חולץ קונוס למקדחים › 88
חותך צינורות PVC › 219

ט

טבלת המרת מידות מקדחים › 83

י

ידיות למברזים ומחרוקות › 99
ידית מומנט / טורק › 161-164, 218
ידית T - אלן / טורקס / כדורי / בוקסה › 183
יו-דריל › 35

כ

כלי מדידה ACCUD › 112-171
כלי עבודה ידניים › 172-218
כלי עבודה מבודדים › 204-209
כלים לעבודה בגובה › 223-226
כלים פניאומטים › 222
כרסומי מתק"ש › 1-15
כרסומי HSS-XE › 16
כרסומי קובלט › 17
כרסומים לאלומיניום › 1
כרסומים לחומרים מרוכבים › 15, 78
כרסום שן אחת › 77
כרסומי WOODRUF › 18

ל

לוחיות גידוע מתק"ש › 39
לוחץ סופיות › 200
לום › 220

מ

מאריך צילינדרי › 44
מאפס גובה מכני / דיגיטלי › 159
מברג מומנט › 164, 173
מברג › 210
מברגים מבודדים › 208
מברזי מכונה YAMAWA › 91-98
מברזי קובלט ומתאמים למקדחה מגנטית › 64
מברזיים לחץ לנירוסטה › 96
מברזים - יד, מכונה GSR › 101
מברזים אוברסייז › 103
מברזים להליקויל › 97
מברזים לחץ לאלומיניום › 98
מברזים שמאליים › 103
מגנט איסוף שבבים › 52
מגרות אחסון › 216
מגשי כלים › 221
מד גובה מכני ודיגיטלי › 129
מדגש › 219
מד טיב שטח › 160
מד עומק › 125-128
מד קדח שעון › 138-140
מדיד הברגות זכר, נקבה › 146-150
מדידי טבעת › 151
מד מעלות › 154
מד מרווח / עלים › 152-153
מוצא פינה › 158
מחזיק לחירוץ, גידוע, חריטה על צד › 39
מחזיק למשוריות מתק"ש › 84
מחזיקי כלים BT40 / HSK63A › 40-50
מחזיק פופיטסט / אנדיקטור › 169-171
מחזיקים למקדחה מגנטית › 52
מחרוקות הייספיד HSS › 101-102

מ

מחרוקות לנירוסטה › 103
מיקרומטר-מכני, ספרתי, דיגיטלי › 131-134
מיקרומטר פנימי › 135-137
מלחצי שולחן › 220
מכפיל מומנט › 218
מסרק הברגות › 153
מפתחות אלן › 184-185
מפתחות - פתוח / סגור / ראצ'ט / שבדי › 177-183
מפתח שרשרת › 220
מקב מקביל › 219
מקדח הייספיד HSS / HSSE › 85
מקדח HSS / HSSE ארוך DIN340 › 86
מקדח HSS ארוך מאוד DIN1869 1/2/3 › 87
מקדח חילוץ מברז שבור › 64
מקדח חלול › 59-62
מקדח חרוט › 89
מקדח כוס לנירוסטה › 53-54
מקדח כוס רב שימושי › 55-56
מקדח כוס מיני › 57
מקדח לפטישון SDS PLUS › 90
מקדח מדורג › 65-66
מקדח מודולרי NC › 34
מקדח מודולרי קנה קוני - SPADE › 38
מקדח מודולרי TDMX › 37
מקדח מירכוז › 33
מקדח נקודה NC › 33
מקדח כוס יהלום › 56
מקדח מתק"ש › 23-33
מקדח מתק"ש 12xD-30xD › 28-32
מקדח קבלר KEVLAR › 77
מקדח קובלט › 85-86
מקדח קובלט ומתאמים למקדחה מגנטית › 63

תוכן עניינים (המשך)

מ

מקדח קוני - קנה מורס	88
מקדח קוני - קנה מורס - ארוך	89
מקדח קרבון CFRP	77
מקדח תעופתי	79-80
משור מתכת	219
משור כוס BI METAL	58
משוריות מתק"ש	84
משורים עגולים שן וידיה	105-106
משורים עגולים HSS / HSSE	107-111
משחת קירור	52
משמנת	219
מתאמים למקדחה מגנטית	84
מתקן איפוס מכני / אלקטרוני	159

ס

סט אלן	185-186
סטים - ביט / בוקסה / ראצ'ט - FELO	176
סט בלוק מדידה	141-143
סט כדורי מדידה	145
סט כרסומי שיקוע לבורג אלן	68
סט חולצי אורינג	219
סט לחילוץ בורג שבור	104
סט מברזים ומחרוקות	100
סט מקדחים HSS / HSSE	100
סט מיקורומטרים	132
סט משורי כוס BI METAL	58
סט פין מדידה	144-145
סט פצירות מתק"ש	72
סט שקענים	68
סט קומביניישן	154

ס

סט תפסניות	51
סט תיקון הברגות	104
סלילי הליקויל	105
סרגל גידוע	39
סרגל שערה	113

ע

עגלות כלי עבודה UNIOR	213-215
עמדות עבודה	215-217

פ

פוטר אוטומטי / ידני	85
פטיש	212
פלטת גרניט	155
פלייר	174, 195-199
פלס מכונה	114
פלס מד מעלות דיגיטלי	114
פנס	220
פצירות מתק"ש NG6	69
פצירות מתק"ש - קנה אינצ'	75
פצירות מתק"ש לעיבוד אלומיניום	71
פצירות מתק"ש מילימטרי	73
פצירות מתק"ש קנה ארוך	71

ק

קונוס לפוטר	85
קונוס מעבר למקדח קוני	88
קליבר - מכני, שעון, דיגיטלי	115-124

ר

ראצ'ט	195-199
ראש כרסום	19-22

ש

שולחנות עבודה	215-216
שימסים	151
שקען למקדחה מגנטית	68
שקען קנה קוני	68
שקען תעופתי	81-82
שקענים	67-68

ת

תותב הארכה למקדח קוני	88
תיקי עבודה	217
תפסניות קפיציות	51

כלי חיתוך

כרסומים 1-22
מקדחי מתקש 23-37
כלי תפיסה 38-50
מקדחי כוס, שקענים ופצירות 51-75
כלי חיתוך לתחום התעופה 76-82
מקדחי HSS / HHSE 83-90
תברוז 91-104
ניסור 105-111



כרסומי אלומיניום

ALUFLASH™

2A09
כרסום גס/פניש 2T





D1 x d x AP1 x L	2A09
1x3x4x38	6853514
1.5x3x6x38	6853515
1.5x3x6x38 r 0.2	6853516
2x3x8x38	6853517
2x3x8x38 r 0.2	6853518
2.5x3x9x38	6853519
2.5x3x9x38 r 0.2	6853520
3x3x12x38 r 0.2	6853541
4x4x12x50	6853542
4x4x12x50 r 0.2	6853543
5x5x14x50	6853544
5x5x14x50 r 0.2	6853546
6x6x16x50	6853547
6x6x16x50 r 0.5	6853548
8x8x20x63	6853549
8x8x20x63 r 0.5	6853550
10x10x22x76 r 1	6853551
12x12x25x76	6853552
12x12x25x76 r 1	6853553
16x16x32x89	6853554
16x16x32x89 r 1	6853555
20x20x40x104	6853556
20x20x40x104 r 1	6853557

102RC/RCL
כרסום כדורי 2T משוחרר



D1 x d x AP1/L3 x L	מק"ט
2X6X4/6X57	102RC.020-40
3X6X5/9X57	102RC.030-40
3X6X6/50X100	102RCL.030-40
4X6X6/12X57	102RC.040-40
4X6X8/50X100	102RCL.040-40
5X6X7/15X57	102RC.050-40
5X6X10/50X100	102RCL.050-40
6X6X8/20X57	102RC.060-40
6X6X12/50X100	102RCL.060-40
8X8X10/26X63	102RC.080-40
8X8X16/50X100	102RCL.080-40
10X10X12/31X72	102RC.100-40
10X10X20/70X120	102RCL.100-40
12X12X14/37X83	102RC.120-40
12X12X24/100X150	102RCL.120-40
16X16X18/43X92	102RC.160-40
16X16X32/100X150	102RCL.160-40
20X20X22/53X104	102RC.200-40
20X20X40/100X150	102RCL.200-40

4103
כרסומי גמר



D1 x d x AP1 x L	4103
1x3x4x38	7054969
1.5x3x4x38	7054970
2x3x8x38	7055041
2.5x3x9x38	7055042
3x3x12x38	7055296
4x4x12x50	7055297
5x5x14x50	7055298
6x6x16x50	7055299
8x8x20x63	7055300
10x10x22x76	7055311
12x12x25x76	7055312
16x16x32x89	7093334
20x20x38x104	7093335

49N9
כרסומי ריסוק
משוחררי צוואר



D1 x d x AP1 x L	49N9
6x6x8/18x57 r 0.25	2510324
6x6x13/18x r 0.25	6590507
8x8x10/24x63 r 0.25	2510325
8x8x10/24x63 r 0.25	6590508
10x10x12/30x72 r 0.5	2510326
10x10x22/30x72 r 0.5	6590509
12x12x15/36x83 r 0.5	2510327
12x12x26/36x83 r 0.5	6590510
16x16x20/48x92 r 1	2510328
16x16x32/48x92 r 1	6590521
20x20x24/60x104 r 1	2510329
20x20x38/60x104 r 1	6590522

כרסומי פיניש מחוזקים 3T

D1 x d x AP1 / L3 x L	3AN9
1x6x4x57 r 0.1	6988616
1.5x6x4/6x57 r 0.1	6988617
2x6x5/8x57 r 0.1	6988618
2.5x6x5/8x57 r0.1	6988619
3x6x7/12x57 r 0.1	6988620
4x6x10/16x57 r 0.2	6988671
5x6x12/20x57 r 0.2	6988672

חדש!

כרסומי **ALUBOOM**
גס/פיניש עם/ללא שחרור

D1 x d x AP1 x L	מק"ט
6x6x12x57 r 0.2	7260703
8x8x18x63 r 0.2	7260704
10x10x22x76 r 0.2	7260705
12x12x25x76 r 0.2	7260706
16x16x32x93 r 0.2	7260707
6x6x9/18x57 r 0.2	7278875
8x8x12/24x63 r 0.2	7278876
10x10x15/30x72 r 0.2	7278877
12x12x18/36x83 r 0.2	7278878
16x16x24/48x92 r 0.2	7278879

כרסומי אלומיניום

ALUFLASH™
כרסום גס/פניש 3T לאלומיניום





מק"ט	D1 x d x AP1/L3 x L
6853511	3x3x12x38
6853512	3x3x12x38 r 0.2
6853460	4x4x8/12x50
6853461	4x4x8/12x50 r 0.2
6853439	4x4x12/16x63 r 0.2
6853513	4x4x12x63 r 0.5
6853462	5x5x12/15x63
6853463	5x5x12/15x63 r 0.2
6853440	5x5x15/20x63 r 0.2
6853464	5x5x12/15x63 r 0.5
6853465	6x6x13/18x63
6853466	6x6x13/18x63 r 0.2
6853467	6x6x13/18x63 r 0.5
6853441	6x6x18/24x76 r 0.5
6853468	6x6x13/18x63 r 1
6853442	6x6x18/24x76 r 1
6853469	8x8x18/24x76
6853470	8x8x18/24x76 r 0.2
6853471	8x8x18/24x76 r 0.5
6853443	8x8x24/32x76 r 0.5
6853472	8x8x18/24x76 r 1
6853444	8x8x24/32x76 r 1

מק"ט	D1 x d x AP1/L3 x L
6853473	8x8x18/24x76 r 1.5
6853474	10x10x22/30x76
6853475	10x10x22/30x76 r 0.2
6853476	10x10x22/30x76 r 0.5
6853445	10x10x30/40x89 r 0.5
6853477	10x10x22/30x76 r 1
6853478	10x10x22/30x76 r 1.5
6853446	10x10x30/40x89 r 1.5
6853447	10x10x30/40x89 r 2
6853479	12x12x25/36x76
6853448	12x12x36/48x100
6853480	12x12x25/36x76 r 0.2
6853481	12x12x25/36x76 r 0.5
6853449	12x12x36/48x100 r 0.5
6853482	12x12x25/36x76 r 1
6853483	12x12x25/36x76 r 1.5
6853450	12x12x36/48x100 r 1.5
6853484	12x12x25/36x76 r 2
6853485	12x12x25/36x76 r 3
6853451	12x12x36/48x100 r 3
6853486	16x16x32/48x89
6853487	16x16x32/48x89 r 0.2

מק"ט	D1 x d x AP1/L3 x L
6853488	16x16x32/48x89 r 0.5
6853452	16x16x48/64x110 r 0.5
6853489	16x16x32/48x89 r 1
6853490	16x16x32/48x89 r 1.5
6853453	16x16x48/64x110 r 1.5
6853491	16x16x32/48x89 r 2.5
6853492	16x16x32/48x89 r 3
6853454	16x16x48/64x110 r 3
6853493	16x16x32/48x89 r 4
6853494	20x20x40/60x115
6853495	20x20x40/60x115 r 0.2
6853455	20x20x60/80x150 r 0.5
6853496	20x20x40/60x115 r 1.5
6853456	20x20x60/80x150 r 1.5
6853497	20x20x40/60x115 r 2
6853457	20x20x60/80x150 r 2
6853498	20x20x40/60x115 r 3
6853458	20x20x60/80x150 r 3
6853499	20x20x40/60x115 r 4
6853459	20x20x60/80x150 r 4
6853500	20x20x40/60x115 r 5

כרסומי ALUFLASH™ XL משוחרר קצה רדיוס 0.2 ר

D1 x d x AP1/L3 x L	3AN9-XL
6x6x10/42x100 r 0.2 XL	6949926
8x8x13/48x100 r 0.2 XL	6949927
10x10x16/60x12 r 0.2 XL	6949928
12x12x20/73x125 r 0.2 XL	6950280
16x16x26/100x150 r 0.2 XL	6949929
20x20x32/100x150 r 0.2 XL	6992411

כרסומי ALUFLASH™ CS - פעיל ארוך ומפצל שבב

D1 x d x AP1 x L	מק"ט
12x12x36/48x110 r 0.5 CS	6994262
16x16x48/64x110 r 0.5 CS	6994261



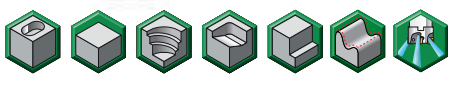
VHSC
ראש כרסום צילינדרי



VHSC	D1	D	L	Z
6425258	25	25	131	2
6525259	32	32	135	2
6525260	32	32	135	3



VHSC
ראש כרסום



VHSC	D1	Z
6425291	40	3
6425292	50	4
6425293	63	4
6425294	80	5

VHSC
לוחיות לראש כרסום

XDET	רדיוס פינה
6425772	r 0.3
6425573	r 0.4
6425574	r 0.8
6425575	r 2

כרסום רב תכליתי סדרה WCE 4 / WCE 5

W401 / W401 / W411
כרסום רב תכליתי 4T



● first choice
○ alternate choice

P	●	
M	●	
K	●	
N		
S	○	
H	●	

D1 x d x AP1 x L	W401	
3x6x8x57	6945502	גימור עדין
4x6x11x57	6945503	
5x6x13x57	6945504	
6x6x13x57	6945505	
8x8x19x63	6945548	
10x10x22x72	6945549	
12x12x26x83	6945684	
16x16x32x92	6945685	
20x20x38x104	6945686	
3x6x8x57 Bch 0.4	6945506	גימור מחוספס
4x6x11x57 Bch 0.4	6945507	
5x6x13x57 Bch 0.4	6945508	
6x6x13x57 Bch 0.4	6945509	
6x6x32x76 Bch 0.4	6946013	
8x8x19x63 Bch 0.4	6945550	
8x8x32x87 Bch 0.4	6946014	
10x10x22x72 Bch 0.5	6945561	
10x10x38x89 Bch 0.5	6946015	
12x12x26x83 Bch 0.5	6945687	
12x12x51x100 Bch 0.5	6946046	
16x16x32x92 Bch 0.5	6945688	
16x16x57x125 Bch 0.5	6946047	
20x20x38x104 Bch 0.5	6945689	
20x20x57x125 Bch 0.5	6946048	

W4NB
כרסום רב תכליתי 4T
כדורי משוחרר צוואר



● first choice
○ alternate choice

P	●	
M	●	
K	●	
N		
S	○	
H	●	

D1 x d x AP1 / L3 x L	W4NB	
5x6x13/18x57	6945882	כללי
6x6x13/21x57	6945883	
8x8x19/27x63	6945886	
10x10x22/32x72	6945887	
12x12x26/30x83	6945895	
16x16x32/38x92	6945896	
20x20x38/50x104	6945897	

W5N1
כרסום רב תכליתי 5T
משוחרר - קצה רדיוס





● first choice
○ alternate choice

P	●	
M	●	
K	●	
N		
S	○	
H	●	

D1 x D x AP1 / L3 x L	מק"ט
4x6x11/15x57 r 0.2	7007606
5x6x13/17x57 r 0.2	7007608
6x6x13/21x57 r 0.5	7007611
8x8x19/27x63 r 0.5	7007614
10x10x22/32x72 r 0.5	7007618
12x12x26/38x83 r 0.5	7008732
16x16x32/44x92 r 1.0	7008737
20x20x38/55x104 r 1.0	7008741

W4N1
כרסום רב תכליתי 4T משוחרר קצה רדיוס

● first choice
○ alternate choice

P	●	
M	●	
K	●	
N		
S	○	
H	●	

D1 x d x AP1 / L3 x L	W4N1	
3x6x8/15x57 r 0.2	6945620	W4N1 סדרה כללי + קצה משוחרר
4x6x11/16x57 r 0.2	6945631	
4x6x11/16x57 r 0.5	6945632	
5x6x13/18x57 r 0.2	6945633	
5x6x13/18x57 r 0.5	6945634	
5x6x13/18x57 r 1	6945635	
6x6x13/21x57 r 0.5	6945636	
6x6x13/21x57 r 1.5	6945638	
6x6x13/21x57 r 1	6945637	
8x8x19/27x63 r 0.5	6945640	
8x8x19/27x63 r 1.5	6945642	
8x8x19/27x63 r 1	6945641	
8x8x19/27x63 r 2	6945643	
10x10x22/32x72 r 0.5	6945644	
10x10x22/32x72 r 1.5	6945646	
10x10x22/32x72 r 1	6945645	
10x10x22/32x72 r 2	6945647	
12x12x26/38x83 r 0.5	6945128	
12x12x26/38x83 r 1.5	6945130	
12x12x26/38x83 r 1	6945129	
12x12x26/38x83 r 2	6945481	
12x12x26/38x83 r 4	6945482	
16x16x32/44x92 r 1	6945483	
16x16x32/44x92 r 2	6945484	
16x16x32/44x92 r 3	6945485	
16x16x32/44x92 r 4	6945486	
20x20x38/53x104 r 1	6945487	
20x20x38/53x104 r 2	6945488	
20x20x38/53x104 r 3	6945489	
20x20x38/53x104 r 4	6945490	

W501
כרסום רב תכליתי 5T - ללא שחרור



● first choice
○ alternate choice

P	●	
M	●	
K	●	
N		
S	○	
H	●	

D1 x D x AP1 / L3 x L	W501	
4x6x11x57	7109237	גימור עדין
5x6x13x57	7109238	
6x6x13x57	7109239	
8x8x19x63	7108706	
10x10x22x72	7108707	
12x12x26x83	7109599	
16x16x32x92	7109600	
20x20x38x104	7109641	
25x25x50x121	7109642	
4x6x11x57 Bch 0.2	7006956	גימור מחוספס
5x6x13x57 Bch 0.3	7006957	
6x6x13x57 Bch 0.4	7006958	
8x8x19x63 Bch 0.4	7007602	
10x10x22x72 Bch 0.5	7007603	
12x12x26x83 Bch 0.5	7008716	
16x16x32x92 Bch 0.5	7008717	
20x20x38x104 Bch 0.5	7008718	

כרסומי ריסוק HP

4970XL / 4970



- first choice
- alternate choice

P	M	K	N	S	H
●	●			●	●

D1 x d x AP1 x L	מק"ט	
6x6x13x57	1657241	4970
8x8x16x63	1657243	
10x10x22x72	1657245	
12x12x26x83	1657247	
16x16x32x92	1657249	
8x8x12/32x76	6878529	4970XL
10x10x15/40x89	6878530	
12x12x18/48x100	6878711	
16x16x24/64x110	6878712	
20x20x30/60x125	6878713	

4906



- first choice
- alternate choice

P	M	K	N	S	H
●	●	●		○	●

D1 x d x AP1 x L	4906	49006
3x6x7x54 z3	5560534-DQ13	7163846
4x6x11x55 z3	1657002	7163847
5x6x13x57 z3	1657010	7163848
6x6x13x57 z3	1657019	7163849
7x8x16x63 z3	1657025	-
8x8x16x63 z3	1657034	7163851
10x10x22x72	1657051	7230009
12x12x26x83	1657064	7163853
16x16x32x92	1657097	-
20x20x38x104	1657113	-
25x25x45x121	1657121	

4U50



- first choice
- alternate choice

P	M	K	N	S	H
●	●			●	

D1 x d x AP1 x L	4U50
6x6x6x57 r 0.75	6431403
8x8x8x63 r 0.75	6431404
10x10x10x72 r 0.75	6431405
12x12x12x83 r 1	6431406
16x16x16x92 r 1	6431407

49N6



- first choice
- alternate choice

P	M	K	N	S	H
●	○	●		○	●

D1 x d x AP1 / L3 x L	49N6
6x6x13/21x57 z3	3474585
8x8x16/27x63 z3	3474587
10x10x22/32x72	3474589
12x12x26/38x83	3474591
16x16x32/44x92	3474594

4U80



- first choice
- alternate choice

P	M	K	N	S	H
●	●			●	

D1 x d x AP1 x L	4U80
6x6x13x57 r 0.3	6431246
8x8x16x63 r 0.3	6431247
10x10x22x72 r 0.5	6431248
12x12x26x83 r 0.5	6431249
16x16x32x92 r 0.5	6431250
20x20x38x104 r 1	6431401
25x25x45x121 r 1	6431402

4976



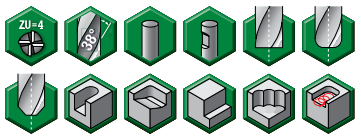
- first choice
- alternate choice

P	M	K	N	S	H
●	●	●		○	●

D1 x d x AP1 x L	4976
4x6x8x57 z3	5560708
5x6x13x57 z3	5560709
6x6x13x57 z3	5560710
8x8x16x63 z3	5560711
10x10x22x72	5560712
12x12x26x83	5560713
14x14x26x83	5560714
16x16x32x92	5560715
20x20x38x104	5560717

4777
וירמיל I





● first choice
○ alternate choice

P	●
M	●
K	●
N	
S	○
H	○

D1 x d x AP1 x L	4777	
4x6x12x55	3077757	גימור קל
5x6x13x57	3077756	
6x6x13x57	3077755	
8x8x16x63	3077753	
10x10x22x72	3077751	
12x12x26x83	3077749	
16x16x32x92	3077748	
20x20x38x104	3077747	
4x6x12x55 r 0.2	3077746	גימור כבד
5x6x13x57 r 0.2	3077745	
6x6x13x57 r 0.2	3077744	
8x8x16x63 r 0.2	3077742	
10x10x22x72 r 0.3	3077740	
12x12x26x83 r 0.3	3077739	
16x16x32x92 r 0.3	3077738	
20x20x38x104 r 0.3	3077737	

47N6
וירמיל I
ארוך משוחרר





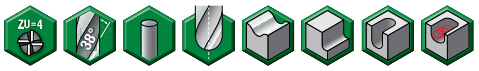
● first choice
○ alternate choice

P	●
M	●
K	○
N	
S	○
H	●

D1 x d x AP1 / L3 x L	47N6
6x6x12/42x100 Bch 0.4	4067705
8x8x16/62x100 Bch 0.4	4067706
10x10x20/60x100 Bch 0.5	4067707
12x12x24/73x125 Bch 0.5	4067708
16x16x32/100x150 Bch 0.5	4067709
20x20x40/98x175 Bch 0.5	4067710

47N0
וירמיל I - כדורי





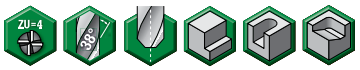
● first choice
○ alternate choice

P	●
M	●
K	●
N	
S	○
H	●

D1 x d x AP1 / L3 x L	47N0
5x6x9/15x57	2605589
6x6x10/15x57	2605590
8x8x12/20x63	2605591
10x10x14/25x72	2605592
12x12x16/30x83	2605593
16x16x22/38x92	5576823
20x20x26/50x104	5576824

NINA
וירמיל קצר





● first choice
○ alternate choice

P	●
M	●
K	●
N	
S	○
H	○

D1 x d x AP1 x L	NINA
4x6x7x38 Bch 0.4	3657761
6x6x8x38 Bch 0.4	3657762
8x8x11x43 Bch 0.4	3657763
10x10x13x50 Bch 0.5	3657764
12x12x15x55 Bch 0.5	3657765
16x16x20x66 r 0.75 z5	6949005

4778
וירמיל I
עדיפות בטיטניום





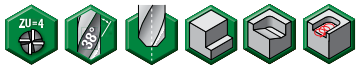
● first choice
○ alternate choice

P	●
M	●
K	○
N	
S	●
H	●

D1 x d x AP1 x L	4778
4x6x12x55 r 0.2	2545563
5x6x13x57 r 0.2	2545564
6x6x12x57 r 0.2	2545565
7x8x16x63 r 0.2	2545570
8x8x16x63 r 0.2	2545603
10x10x22x72x72 r 0.3	2601245
12x12x26x83 r 0.3	2601246
16x16x32x92 r 0.3	2601249
20x20x38x104 r 0.3	2601251

4717
וירמיל I פעיל ארוך במיוחד





● first choice
○ alternate choice

P	●
M	●
K	○
N	
S	●
H	●

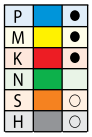
D1 x d x AP1 x L	4717
6x6x32x76 Bch 0.4	3641112
8x8x32x87 Bch 0.4	3641113
10x10x38x89 Bch 0.5	3641114
12x12x51x100 Bch 0.5	3641115
16x16x57x125 Bch 0.5	3641116
20x20x57x125 Bch 0.5	3641117

5777
וריימיל II - למגוון חומרים





● first choice
○ alternate choice



D1 x d x AP1 x L	5777	
4x6x11x55	3524586	גימור עדין
6x6x13x57	3524589	
8x8x19x63	3524592	
10x10x22x72	3524595	
12x12x26x83	3524597	
16x16x32x92	3524600	
20x20x38x104	3524603	
4x6x11x55 r 0.25	3524587	חיספות גסות
5x6x13x57 r 0.25	3524588	
6x6x13x57 r 0.4	3524590	
8x8x19x63 r 0.5	3524593	
10x10x22x72 r 0.5	3524596	
12x12x26x83 r 0.75	3524598	
16x16x32x92 r 0.75	3524601	
20x20x38x104 r 0.75	3524605	
25x25x45x121 r 0.75	3524606	

VariMill™ Gold

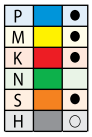
7257073
7257074
7257075
7257076

57N8
וריימיל II - עדיפות בטיטניום





● first choice
○ alternate choice



D1 x d x AP1 x L	57N8	
6x6x13/18x63	3524626	גימור עדין
8x8x19/24x76	3524629	
10x10x22/30x76	3524632	
16x16x32/48x100	3524650	
6x6x13/18x63 r 0.5	3524627	חיספות גסות
8x8x19/24x76 r 0.5	3524631	
8x8x19/24x76 r 1	3685243	
10x10x22/30x76 r 1	3524644	
10x10x22/30x76 r 2	3524645	
12x12x26/36x83 r 0.5	3524647	
12x12x26/36x83 r 1	3524648	
12x12x26/36x83 r 2	3524649	
16x16x32/48x100 r 0.5	3524651	
16x16x32/48x100 r 1	3524652	
16x16x32/48x100 r 3	3524654	

577C
וריימיל II - חודר מרכז למגוון חומרים





● first choice
○ alternate choice



D1 x d x AP1 x L	577C	
4x6x11x55	5578868	גימור עדין
6x6x13x57	5578994	
8x8x19x63	5578999	
10x10x22x72	5579025	
12x12x26x83	5579028	
14x14x26x83	5579041	
16x16x32x92	5579044	
20x20x38x104	5579049	
4x6x11x55 r 0.25	5578866	חיספות גסות
5x6x13x57 r 0.25	5578990	
6x6x13x57 r 0.4	5578992	
7x8x16x63 r 0.4	5578995	
8x8x19x63 r 0.5	5578997	
9x10x19x72 r 0.5	5579021	
10x10x22x72 r 0.5	5579023	
12x12x26x83 r 0.75	5579026	
14x14x26x83 r 0.75	5579029	
16x16x32x92 r 0.75	5579042	
18x18x32x92 r 0.75	5579045	
20x20x38x104 r 0.75	5579047	
25x25x45x121 r 0.75	5579060	

577E
וריימיל II - חודר מרכז עדיפות בטיטניום





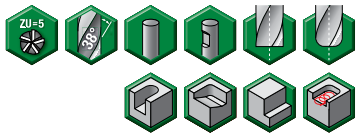
● first choice
○ alternate choice



D1 x d x AP1 x L	577E	
10x10x22x72	5599171	גימור עדין
12x12x26x83	5599174	
16x16x32x92	5599177	
20x20x38x104	5599180	
10x10x22x72 r 0.5	5599172	חיספות גסות
10x10x22x72 r 0.5	5599173	
12x12x26x83 r 0.75	5599176	
16x16x32x92 r 0.75	5599179	
20x20x38x104 r 0.75	5599182	
25x25x45x121 r 0.75	5599184	

57NC
וריימיל II - חודר מרכז משוחרר צוואר עדיפות טיטניום





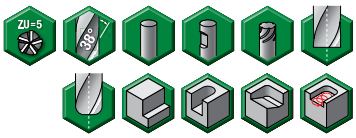
- first choice
- alternate choice



D1 x d x AP1 / L3 x L	57NC	
6x6x13/18x63	5598906	סדרה ארוכה
8x8x19/24x76	5599072	
10x10x22/30x76	5599078	
12x12x26/36x83	5599085	
16x16x32/48x100	5599092	
20x20x38/60x115	5599100	
25x25x45/75x135	5599111	
6x6x13/18x63 r 0.5	5598907	סדרה ארוכה במיוחד
6x6x13/18x63 r 1	5598909	
8x8x19/24x76 r 0.5	5599073	
8x8x19/24x76 r 1	5599075	
10x10x22/30x76 r 0.5	5599079	
10x10x22/30x76 r 1	5599081	
10x10x22/30x76 r 2	5599083	
12x12x26/36x83 r 0.5	5599086	
12x12x26/36x83 r 1	5599088	
12x12x26/36x83 r 2	5599090	
16x16x32/48x100 r 0.5	5599093	
16x16x32/48x100 r 1	5599094	
16x16x32/48x100 r 2	5599096	
16x16x32/48x100 r 3	5599098	
20x20x38/60x115 r 0.5	5599101	
20x20x38/60x115 r 1	5599103	
20x20x38/60x115 r 2	5599105	
20x20x38/60x115 r 3	5599107	
20x20x38/60x115 r 4	5599109	
25x25x45/75x135 r 0.5	5599112	
25x25x45/75x135 r 1	5599114	
25x25x45/75x135 r 2	5599116	
25x25x45/75x135 r 3	5599118	
25x25x45/75x135 r 4	5599120	

57NE
וריימיל II - חודר מרכז משוחרר צוואר למגוון חומרים





- first choice
- alternate choice



D1 x d x AP1 / L3 x L	57NE	
10x10x22/30x76	5599122	סדרה ארוכה
12x12x26/36x83	5599129	
16x16x32/48x100	5599136	
20x20x38/60x115	5599143	
25x25x45/75x135	5599162	
10x10x22/30x76 r 0.5	5599123	סדרה ארוכה במיוחד
10x10x22/30x76 r 0.5	5599124	
10x10x22/30x76 r 1	5599125	
10x10x22/30x76 r 1	5599126	
10x10x22/30x76 r 2	5599127	
10x10x22/30x76 r 2	5599128	
12x12x26/36x83 r 0.5	5599130	
12x12x26/36x83 r 0.5	5599131	
12x12x26/36x83 r 1	5599132	
12x12x26/36x83 r 1	5599133	
12x12x26/36x83 r 2	5599134	
12x12x26/36x83 r 2	5599135	
16x16x32/48x100 r 0.5	5599137	
16x16x32/48x100 r 0.5	5599138	
16x16x32/48x100 r 1	5599139	
16x16x32/48x100 r 1	5599140	
16x16x32/48x100 r 2	5599141	
16x16x32/48x100 r 2	5599142	
20x20x38/60x115 r 0.5	5599144	
20x20x38/60x115 r 0.5	5599145	
20x20x38/60x115 r 1	5599146	
20x20x38/60x115 r 1	5599147	
20x20x38/60x115 r 2	5599148	
20x20x38/60x115 r 2	5599149	
20x20x38/60x115 r 4	5599160	
20x20x38/60x115 r 4	5599161	
25x25x45/75x135 r 0.5	5599163	
25x25x45/75x135 r 1	5599165	
25x25x45/75x135 r 2	5599167	
25x25x45/75x135 r 4	5599169	

5718
ורימיל II
פעיל ארוך 4xD





● first choice
○ alternate choice

P		●
M		●
K		○
N		
S		●
H		●

D1 x d x AP1 / L3 x L	5718	
6x6x24x76	5096566	מוצק עגול
8x8x32x76	5096569	
10x10x40x100	4124297	
12x12x48x125	4124298	
14x14x56x120	4124299	
16x16x64x141	4124300	
18x18x72x150	4124301	
20x20x80x150	4124302	
25x25x100x170	4124323	
6x6x24x76 r 0.5	5096567	מוצק עגול קצה
6x6x24x76 r 1	5096568	
8x8x32x76 r 0.5	5096660	
8x8x32x76 r 1	5096661	
10x10x40x100 r 0.5	5096662	
10x10x40x100 r 2	5096664	
10x10x40x100 r 2.5	5096665	
12x12x48x125 r 0.5	5096666	
12x12x48x125 r 1	5096667	
12x12x48x125 r 2	5096668	
12x12x48x125 r 2.5	5096669	
14x14x56x120 r 1	5096752	
14x14x56x120 r 4	5096755	
16x16x64x141 r 0.5	5096756	
16x16x64x141 r 1	5096757	
16x16x64x141 r 2	5096758	
16x16x64x141 r 3	5096759	
16x16x64x141 r 4	5096800	
20x20x80x150 r 0.5	5096805	
20x20x80x150 r 1	5096806	
20x20x80x150 r 2	5096807	
20x20x80x150 r 3	5096808	
20x20x80x150 r 4	5096809	
25x25x100x170 r 0.5	5096860	
25x25x100x170 r 1	5096861	
25x25x100x170 r 2	5096862	
25x25x100x170 r 3	5096863	



4XNE
וריחיל XTREME



● first choice
○ alternate choice



	D1 x d x AP1 / L3 x L	4XNE
ללא ציפוי	4x6x8x57	6829316
	5x6x10x57	6829691
	6x6x12/18x57	6829696
	8x8x16/24x63	6829882
	10x10x20/30x72	6829889
	12x12x24/36x83	6830076
	16x16x32/48x92	6830284
	20x20x40/60x115	6830472
ציפוי משופר	4x6x8x57 Bch 0.1	6829315
	5x6x10x57 Bch 0.1	6829320
	6x6x12x57 Bch 0.1	6829695
	8x8x16x63 Bch 0.2	6829881
	10x10x20x72 Bch 0.2	6829888
	12x12x24x83 Bch 0.3	6830075
סוליד קארבייד	3x6x9.5x57 r 0.2	6829314
	4x6x8x57 r 0.2	6829317
	4x6x8x57 r 0.5	6829318
	5x6x10x57 r 0.2	6829692
	5x6x10x57 r 0.5	6829693
	6x6x12/18x57 r 0.2	6829697
	6x6x12/18x57 r 0.5	6829698
	6x6x12/18x57 r 1	6829699
	8x8x16/24x63 r 0.2	6829883
	8x8x16/24x63 r 0.5	6829884
	8x8x16/24x63 r 1	6829885
	8x8x16/24x63 r 1.5	6829886
	10x10x20/30x72 r 0.3	6829890
	10x10x20/30x72 r 0.5	6830071
	10x10x20/30x72 r 1	6830072
	10x10x20/30x72 r 1.5	6830073
	12x12x24/36x83 r 0.5	6830077
	12x12x24/36x83 r 1.5	6830079
	12x12x24/36x83 r 2	6830080
	12x12x24/36x83 r 3	6830281
	16x16x32/48x92 r 0.5	6830286
	16x16x32/48x92 r 1.5	6830288
	16x16x32/48x92 r 3	6830289
	16x16x32/48x92 r 4	6830471
	20x20x40/60x115 r 0.5	6830474
	20x20x40/60x115 r 1.5	6830476
	20x20x40/60x115 r 3	6830477
	20x20x40/60x115 r 5	6830478
	25x25x50x121 r 1.5	6830480
	25x25x50x121 r 3	6830671



77NE
וריחיל III - משוחרר צוואר





● first choice
○ alternate choice



D1 x d x AP1 / L3 x L	77NE
10x10x22/30x76 r 0.5	5978040
12x12x26/36x83 r 0.5	5978097
16x16x32/48x100 r 0.5	5978105
20x20x38/60x115 r 0.5	5978113

771E / 772E
וריחיל III
ארוך פעיל 5D / 3D





● first choice
○ alternate choice



	D1 x d x AP1 x L	מק"ט
771E	10x10x30x76 r 0.5	5978093
	12x12x36x100 r 0.5	5978099
	16x16x48x110 r 0.5	5978107
	20x20x60x125 r 0.5	5978115
772E	10x10x50x100 r 0.5	5978095
	12x12x60x125 r 0.5	5978101
	16x16x80x141 r 0.5	5978109
	20x20x100x166 r 0.5	5978117

771T / 772T
וריחיל III
עם מפצל שבב



● first choice
○ alternate choice



	D1 x d x AP1 x L	מק"ט
771T	10x10x32x80 r 0.3	7073698
	12x12x40x100 r 0.3	7073699
	16x16x50x110 r 0.5	7073700
772T	10x10x52x100 r 0.3	7073715
	12x12x62x125 r 0.3	7073716
	16x16x81x141 r 0.5	7073717
	20x20x105x170 r 0.5	7073714



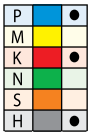
כרסומי גמר מיקרו שטוח וכדורי

7N22 / 7N02 כרסומי מיקרו משוחררי צוואר - שטוח





● first choice
○ alternate choice



7N22 / 7N02	D1 x Ap1 / L3 x L
2256469	1.5x2.3/10x50 C 4
2256470	1.5x2.3/12x50 C 4
2256471	1.5x2.3/16x50 C 4
2256473	1.5x2.3/20x63 C 4
2256479	1.7x2.6/6x50 C 4
2256481	1.7x2.6/12x50 C 4
***2256400**	**1.8x2.7/4.5x50 C 6**
2256484	1.8x2.7/6x50 C 4
2256485	1.8x2.7/10x50 C 4
2256486	1.8x2.7/12x50 C 4
2256487	1.8x2.7/16x50 C 4
2256489	1.9x2.8/6x50 C 4
***2256401**	**2x3/5x50 C 6**
2256494	2x3/6x50 C 4
2256495	2x3/10x50 C 4
2256496	2x3/16x50 C 4
2256497	2x3/20x63 C 4
2256498	2x3/20x75 C 4
***2256402**	**2.5x3.7/5x50 C 6**
2256499	2.5x3.7/8x50 C 4
2256500	2.5x3.7/10x50 C 4
2256501	2.5x3.7/16x63 C 4
2256502	2.5x3.7/20x63 C 4
2256503	2.5x3.7/30x80 C 4
2256504	3x4.5/8x50 C 6
2256505	3x4.5/10x50 C 6
2256506	3x4.5/16x63 C 6
2256507	3x4.5/20x63 C 6
2256508	3x4.5/30x80 C 6

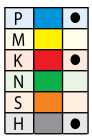
D1 x Ap1 / L3 x L	7N22 / 7N02
0.4x0.6/2x38 C 3	2256438
0.4x0.6/4x38 C 3	2256439
0.5x0.7/2x38 C 3	2256440
0.5x0.7/4x38 C 3	2256441
0.5x0.7/6x38 C 3	2256442
0.6x0.9/2x38 C 3	2256443
0.6x0.9/4x38 C 3	2256444
0.6x0.9/6x38 C 3	2256445
0.7x1/4x50 C 4	2256447
0.7x1/6x50 C 4	2256448
0.8x1.2/4x50 C 4	2256449
0.8x1.2/6x50 C 4	2256450
0.8x1.2/8x50 C 4	2256451
1x1.5/2.5x50 C 6	***2256395**
1x1.5/6x50 C 4	2256455
1x1.5/8x50 C 4	2256456
1x1.5/10x50 C 4	2256457
1x1.5/12x50 C 4	2256458
1.2x1.8/3x50 C 6	***2256396**
1.2x1.5/6x50 C 4	2256459
1.2x1.8/8x50 C 4	2256460
1.2x1.8/12x50 C 4	2256462
1.4x2.1/3.5x50 C 6	***2256397**
1.4x2.1/6x50 C 4	2256463
1.4x2.1/8x50 C 4	2256464
1.4x2.1/10x50 C 4	2256465
1.4x2.1/16x50 C 4	2256467
1.5x2.3/3.8x50 C 6	***2256398**
1.5x2.3/6x50 C 4	2256468

7N01 / 7N21 כרסומי מיקרו משוחררי צוואר - כדורי





● first choice
○ alternate choice



7N01 / 7N21	D1 x d x AP1 / L3 x L
2256358	0.3x6x0.3x50
2256359	0.4x6x0.4x50
2256360	0.5x6x0.5/1.5x50
3665122	0.5x4x1/5x63
2256361	0.6x6x0.6/1.8
2256362	0.8x6x0.8/2.4x50
3665141	0.8x4x1.3/8x63
2256363	1x6x1/2.5x50
3665142	1x4x1.6/10x63
2256364	1.2x6x1.2/3x50

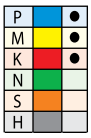
D1 x d x AP1 / L3 x L	7N01 / 7N21
1.5x6x1.5/3.8x50	2256366
1.5x4x2.4/16x63	3665164
2x6x2/5x50	2256369
2x4x3.2/20x63	3665166
2.5x6x2.5/5x50	2256370
3x6x3/6x50	2256371
3x4x4.5/30x63	**3665168**
4x6x4/6x50	2256372
6x6x6/9x50	2256373

כרסומי גמר GP

4004 / 4014 / 4024
כרסומי גמר 4T עם/בלי רדיוס פינה



● first choice
○ alternate choice





D1 x d x AP1 x L	4004 / 4014 / 4024	
1x3x4x38	5826016	טולרנס טיפ
1.5x3x4x38	5826017	
2x3x6.3x38	5826018	
2.5x3x6.3x38	5826019	
3x3x9.5x38	5826020	
3x3x19x63	5826021	
3x3x25x75	5826022	
3.5x4x12x50	5826023	
4x4x11x50	6085576	
4x4x19x63	6085577	
4x4x31x75	6085578	
4.5x5x14x50	6085579	
5x5x13x50	6085580	
5x5x20x63	6085581	
5x5x30x75	6085582	
5x5x31x100	6085583	
6x6x16x50	6085584	
6x6x28x75	6085585	
6x6x38x100	6085586	
7x8x20x63	6085587	
8x8x20x50	6085588	
8x8x28x75	6085589	
8x8x41x100	6085590	
9x9x20x63	6085591	
10x10x22x72	6085592	
10x10x32x89	6085593	
10x10x45x100	6085594	
12x12x25x89	6085595	
12x12x25x75	6085610	
12x12x45x100	6085596	
12x12x75x150	6085597	
16x16x32x92	6085601	
16x16x56x110	6085602	
16x16x75x150	6085603	
20x20x38x104	6085607	
20x20x56x125	6085608	
20x20x75x150	6085609	
2x3x6.3x38 r 0.5	6337590	סופר יצלן
3x3x9.5x38 r 0.5	6337731	
3x3x9.5x38 r 1	6337732	
4x4x11x50 r 0.5	6337733	
4x4x11x50 r 1	6337734	
5x5x13x50 r 0.5	6337735	
6x6x16x50 r 0.5	6337736	
6x6x16x50 r 1	6337737	
8x8x20x50 r 0.5	6337738	
8x8x20x50 r 1	6337739	
10x10x22x72 r 0.5	6337740	
10x10x22x72 1	6337741	
12x12x25x89 r 0.5	6337742	
12x12x25x89 r 1	6337743	
16x16x32x92 r 0.5	6337744	
16x16x32x92 r 1	6337745	

D004 / D014
כרסומי גמר 4T מחוזקים



● first choice
○ alternate choice

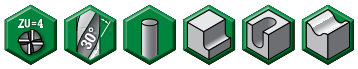


D1 x d x AP1 x L	D004 / D014
2x6x4x50	5825894
2x6x7x57	5825895
2.5x6x8x57	5825896
3x6x5x50	5825897
3x6x8x57	5825898
3.5x6x10x57	5825899
4x6x8x54	6085348
4x6x11x57	6085349
4.5x6x11x57	6085350
5x6x9x54	6085361
5.5x6x13x57	6085363

D010 / 4000 / 4010
כרסום גמר כדורי



● first choice
○ alternate choice



D1 x d x AP1 x L	מק"ט	
3x6x8x57 4T	5825527	D010
4x6x11x57 4T	5825528	
5x6x13x57 4T	5825529	
2x3x6.3x38	5825555	4000 / 4010
3x3x20x75	5825556	
4x4x14x50	5825557	
4x4x25x75	5825558	
5x5x16x50	5825559	
5x5x30x75	5825560	
6x6x16x50	5825573	
6x6x19x63	5825574	
6x6x30x75	5825575	
8x8x19x63	5825576	
8x8x40x100	5825577	
10x10x22x72	5825578	
10x10x40x100	5825579	
12x12x25x75	5825580	
12x12x45x150	5825581	
14x14x32x83	5825583	
14x14x50x100	5825584	
16x16x32x89	5825585	
16x16x65x150	5825586	
20x20x56x125	5825588	

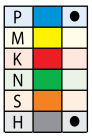
כרסומי גמר HP

7595
כרסום גמר 4T לפלדות קשות





● first choice
○ alternate choice



D1 x Ap1 / L3 x L	7595
3x6x4.5x50 r 0.25	2540317
3x6x4.5x50 r 0.5	2540318
4x6x6x50 r 0.25	2540319
4x6x6x50 r 0.5	2540320
5x6x7.5x50 r 0.25	2540321
5x6x7.5x50 r 0.5	2540322
6x6x9x50 r 0.25	1862105
6x6x9x50 r 0.5	1862106
6x6x9x50 r 0.75	2541273
6x6x9x50 r 1	2541274
6x6x9x76 r 0.25	1860609
6x6x9x76 r 0.5	1860610
8x8x12x63 r 0.5	1862107
8x8x12x63 r 1	1862108
8x8x12x63 r 0.75	2541275
10x10x15x76 r 0.5	1862109
10x10x15x76 r 1	1862110
10x10x15x76 r 1.5	2541277
10x10x15x76 r 2	2541278
12x12xx18x76 r 0.5	1862111
12x12xx18x76 r 1	2541279
12x12xx18x76 r 2	2541280
16x16x24x89 r 0.5	1862113
20x20x30x104 r 1	2541293

D507 / 517
כרסום גמר 6T פלדות/נירוסטה





● first choice
○ alternate choice



D1 x d x AP1 x L 6T - WELDON	D507 / 517
6x6x10x54 6T	5559100
6x6x13x57 6T	5559108
8x8x12x58 6T	5559101
8x8x19x63 6T	5559109
10x10x14x66 6T	5559102
10x10x22x72 6T	5559110
12x12x16x73 6T	5559103
12x12x26x83 6T	5559111
16x16x22x82 6T	5559105
16x16x32x92 6T	5559113
20x20x26x92 6T	5559107
20x20x38x104 6T	5559115

D518
כרסום גמר לפלדות קשות





● first choice
○ alternate choice



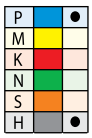
D1 x d x AP1 x L WELDON	D518
4x6x11x57 4T weldon	5559116
5x6x13x57 4T weldon	5559117
6x6x13x57 6T weldon	5559118
8x8x19x63 6T weldon	5559120
10x10x22x72 6T weldon	5559122
12x12x26x83 6T weldon	5559123
16x16x32x92 8T weldon	5559125
20x20x38x104 8T weldon	5559127
25x25x45x121 8T weldon	5559128

75N5
כרסום גמר 4T צוואר משוחרר לפלדות קשות





● first choice
○ alternate choice



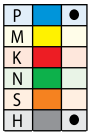
D1 x d x AP1 / L3 x L	75N5
3x6x4.5/9x57 r 0.25	2544367
3x6x4.5/9x57 r 0.5	2544368
4x6x6/12x57 r 0.25	2544369
4x6x6/12x57 r 0.5	2544370
5x6x7.5/15x76 r 0.25	2544371
5x6x7.5/15x76 r 0.5	2544372
6x6x9/18x76	1862119
6x6x9/18x76 r 0.25	2544443
6x6x9/18x76 r 0.5	2544444
6x6x9/18x76 r 1	2544446
8x8x12/24x100	1862120
8x8x12/24x100 r 0.5	2544447
8x8x12/24x100 r 1	2544448
8x8x12/24x100 r 1.5	2544449
8x8x12/24x100 r 2	2544450
10x10x15/30x100	1862121
10x10x15/30x100 r 0.5	2544452
10x10x15/30x100 r 1	2544483
10x10x15/30x100 r 1.5	2544484
10x10x15/30x100 r 2	2544485
12x12x18/36x125	1862122
12x12x18/36x125 r 0.5	2544486
12x12x18/36x125 r 1	2544487
12x12x18/36x125 r 2	2544489
16x16x24/48x125	1862123
16x16x24/48x125 r 0.5	2544490
20x20x30/60x150	1862124
20x20x30/60x150 r 2	2544523

D618
כרסום גמר לפלדות קשות





● first choice
○ alternate choice

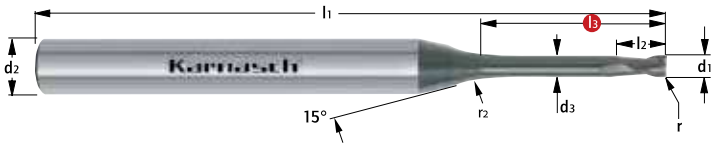


D1 x d x AP1 x L	D618
3x4x8x50 4T	2256338
4x6x12x57 4T	2257304
5x6x13x57 4T	2256340
6x6x15x60 6T	2256341
8x8x20x75 6T	2256353
10x10x25x80 6T	2256354
12x12x30x100 6T	2256355
16x16x40x110 6T	2256356
20x20x45x120 6T	2256357

כרסומי מיקרו משוחררי צוואר רדיוס פינה

30 8011

HRC < 55



MICRO TOOL

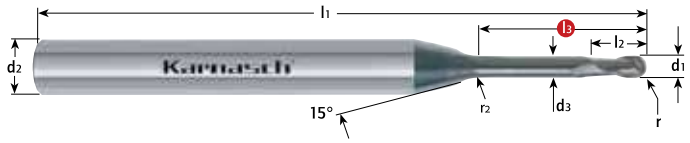
Z 2

מק"ט	d1*	r - 0.005	l3	d2 h5	d3	l1	l2
30 8011 0020 005 005	0.2	0.05	0.5	4	0.18	45	0.30
30 8011 0020 005 01	0.2	0.05	1	4	0.18	45	0.30
30 8011 0030 005 01	0.3	0.05	1	4	0.28	45	0.45
30 8011 0030 005 02	0.3	0.05	2	4	0.28	45	0.45
30 8011 0030 005 03	0.3	0.05	3	4	0.28	45	0.45
30 8011 0040 005 02	0.4	0.05	2	4	0.38	45	0.60
30 8011 0040 005 03	0.4	0.05	3	4	0.38	45	0.60
30 8011 0040 005 04	0.4	0.05	4	4	0.38	45	0.60
30 8011 0050 005 02	0.5	0.05	2	4	0.48	45	0.70
30 8011 0050 005 03	0.5	0.05	3	4	0.48	45	0.70
30 8011 0050 005 04	0.5	0.05	4	4	0.48	45	0.70
30 8011 0060 006 02	0.6	0.06	2	4	0.58	45	0.90
30 8011 0060 006 03	0.6	0.06	3	4	0.58	45	0.90
30 8011 0060 006 04	0.6	0.06	4	4	0.58	45	0.90
30 8011 0060 006 06	0.6	0.06	6	4	0.58	45	0.90
30 8011 0080 008 02	0.8	0.08	2	4	0.77	45	1.20
30 8011 0080 008 04	0.8	0.08	4	4	0.77	45	1.20
30 8011 0080 008 05	0.8	0.08	5	4	0.77	45	1.20
30 8011 0080 008 06	0.8	0.08	6	4	0.77	45	1.20
30 8011 0080 008 08	0.8	0.08	8	4	0.77	50	1.20
30 8011 0080 008 10	0.8	0.08	10	4	0.77	50	1.20
30 8011 0100 010 03	1.0	0.10	3	4	0.95	50	1.60
30 8011 0100 010 04	1.0	0.10	4	4	0.95	50	1.60
30 8011 0100 010 05	1.0	0.10	5	4	0.95	50	1.60
30 8011 0100 010 06	1.0	0.10	6	4	0.95	50	1.60
30 8011 0100 010 07	1.0	0.10	7	4	0.95	50	1.60
30 8011 0100 010 08	1.0	0.10	8	4	0.95	50	1.60
30 8011 0100 010 10	1.0	0.10	10	4	0.95	50	1.60
30 8011 0100 010 12	1.0	0.10	12	4	0.95	50	1.60
30 8011 0100 010 15	1.0	0.10	15	4	0.95	60	1.60
30 8011 0100 010 20	1.0	0.10	20	4	0.95	60	1.60
30 8011 0100 030 04	1.0	0.30	4	4	0.95	50	1.60
30 8011 0100 030 08	1.0	0.30	8	4	0.95	50	1.60
30 8011 0100 030 12	1.0	0.30	12	4	0.95	50	1.60
30 8011 0120 012 06	1.2	0.12	6	4	1.15	50	1.90
30 8011 0120 012 08	1.2	0.12	8	4	1.15	50	1.90
30 8011 0120 012 10	1.2	0.12	10	4	1.15	50	1.90
30 8011 0120 012 12	1.2	0.12	12	4	1.15	50	1.90
30 8011 0140 014 08	1.4	0.14	8	4	1.35	50	2.20
30 8011 0150 015 06	1.5	0.15	6	4	1.44	50	2.40
30 8011 0150 015 08	1.5	0.15	8	4	1.44	50	2.40
30 8011 0150 015 10	1.5	0.15	10	4	1.44	50	2.40
30 8011 0150 015 12	1.5	0.15	12	4	1.44	50	2.40
30 8011 0150 015 15	1.5	0.15	15	4	1.44	60	2.40
30 8011 0150 015 20	1.5	0.15	20	4	1.44	60	2.40

מק"ט	d1*	r - 0.005	l3	d2 h5	d3	l1	l2
30 8011 0150 030 06	1.5	0.30	6	4	1.44	50	2.40
30 8011 0150 030 12	1.5	0.30	12	4	1.44	50	2.40
30 8011 0180 018 10	1.8	0.18	10	4	1.74	50	2.60
30 8011 0180 018 20	1.8	0.18	20	4	1.74	60	2.60
30 8011 0200 020 06	2.0	0.20	6	4	1.92	50	2.80
30 8011 0200 020 08	2.0	0.20	8	4	1.92	50	2.80
30 8011 0200 020 10	2.0	0.20	10	4	1.92	50	2.80
30 8011 0200 020 12	2.0	0.20	12	4	1.92	50	2.80
30 8011 0200 020 15	2.0	0.20	15	4	1.92	60	2.80
30 8011 0200 020 20	2.0	0.20	20	4	1.92	60	2.80
30 8011 0200 020 25	2.0	0.20	25	4	1.92	70	2.80
30 8011 0200 020 30	2.0	0.20	30	4	1.92	70	2.80
30 8011 0200 050 08	2.0	0.50	8	4	1.92	50	2.80
30 8011 0200 050 15	2.0	0.50	15	4	1.92	60	2.80
30 8011 0200 050 25	2.0	0.50	25	4	1.92	70	2.80
30 8011 0250 025 10	2.5	0.25	10	4	2.40	50	2.50
30 8011 0250 025 15	2.5	0.25	15	4	2.40	60	2.50
30 8011 0250 025 20	2.5	0.25	20	4	2.40	60	2.50
30 8011 0250 025 25	2.5	0.25	25	4	2.40	70	2.50
30 8011 0300 030 10	3.0	0.30	10	6	2.90	50	3.00
30 8011 0300 030 20	3.0	0.30	20	6	2.90	60	3.00
30 8011 0300 030 30	3.0	0.30	30	6	2.90	70	3.00
30 8011 0300 050 10	3.0	0.50	10	6	2.90	50	3.00
30 8011 0300 050 15	3.0	0.50	15	6	2.90	60	3.00
30 8011 0300 050 20	3.0	0.50	20	6	2.90	60	3.00
30 8011 0300 050 25	3.0	0.50	25	6	2.90	70	3.00
30 8011 0300 050 30	3.0	0.50	30	6	2.90	70	3.00
30 8011 0400 050 10	4.0	0.50	10	6	3.90	50	4.00
30 8011 0400 050 15	4.0	0.50	15	6	3.90	60	4.00
30 8011 0400 050 20	4.0	0.50	20	6	3.90	60	4.00
30 8011 0400 050 25	4.0	0.50	25	6	3.90	70	4.00
30 8011 0400 050 30	4.0	0.50	30	6	3.90	70	4.00
30 8011 0500 050 15	5.0	0.50	15	6	4.90	60	5.00
30 8011 0500 050 20	5.0	0.50	20	6	4.90	60	5.00
30 8011 0500 050 30	5.0	0.50	30	6	4.90	70	5.00
30 8011 0500 050 40	5.0	0.50	40	6	4.90	80	5.00
30 8011 0600 050 10	6.0	0.50	10	6	5.90	50	6.00
30 8011 0600 050 15	6.0	0.50	15	6	5.90	60	6.00
30 8011 0600 050 20	6.0	0.50	20	6	5.90	60	6.00
30 8011 0600 050 30	6.0	0.50	30	6	5.90	70	6.00
30 8011 0600 050 40	6.0	0.50	40	6	5.90	80	6.00

30 8012

HRC
< 55



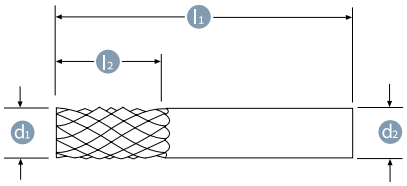
MICRO TOOL

Z 2

מק"ט	d1*	r - 0.005	l3	d2 h5	d3	l1	l2
30 8012 0020 005	0.2	0.10	0.5	4	0.18	45	0.20
30 8012 0020 01	0.2	0.10	1	4	0.18	45	0.20
30 8012 0030 01	0.3	0.15	1	4	0.28	45	0.25
30 8012 0030 02	0.3	0.15	2	4	0.28	45	0.25
30 8012 0030 03	0.3	0.15	3	4	0.28	45	0.25
30 8012 0040 02	0.4	0.20	2	4	0.38	45	0.30
30 8012 0040 03	0.4	0.20	3	4	0.38	45	0.30
30 8012 0040 04	0.4	0.20	4	4	0.38	45	0.30
30 8012 0050 02	0.5	0.25	2	4	0.48	45	0.40
30 8012 0050 03	0.5	0.25	3	4	0.48	45	0.40
30 8012 0050 04	0.5	0.25	4	4	0.48	45	0.40
30 8012 0060 02	0.6	0.30	2	4	0.58	45	0.50
30 8012 0060 03	0.6	0.30	3	4	0.58	45	0.50
30 8012 0060 04	0.6	0.30	4	4	0.58	45	0.50
30 8012 0060 06	0.6	0.30	6	4	0.58	45	0.50
30 8012 0060 08	0.6	0.30	8	4	0.58	50	0.50
30 8012 0080 02	0.8	0.40	2	4	0.77	45	0.60
30 8012 0080 04	0.8	0.40	4	4	0.77	45	0.60
30 8012 0080 05	0.8	0.40	5	4	0.77	45	0.60
30 8012 0080 06	0.8	0.40	6	4	0.77	45	0.60
30 8012 0080 08	0.8	0.40	8	4	0.77	50	0.60
30 8012 0080 10	0.8	0.40	10	4	0.77	50	0.60
30 8012 0100 03	1.0	0.50	3	4	0.95	50	0.80
30 8012 0100 04	1.0	0.50	4	4	0.95	50	0.80
30 8012 0100 05	1.0	0.50	5	4	0.95	50	0.80
30 8012 0100 06	1.0	0.50	6	4	0.95	50	0.80
30 8012 0100 07	1.0	0.50	7	4	0.95	50	0.80
30 8012 0100 08	1.0	0.50	8	4	0.95	50	0.80
30 8012 0100 10	1.0	0.50	10	4	0.95	50	0.80
30 8012 0100 12	1.0	0.50	12	4	0.95	50	0.80
30 8012 0100 15	1.0	0.50	15	4	0.95	60	0.80
30 8012 0100 20	1.0	0.50	20	4	0.95	60	0.80
30 8012 0120 05	1.2	0.60	5	4	1.15	50	1.00
30 8012 0120 06	1.2	0.60	6	4	1.15	50	1.00
30 8012 0120 08	1.2	0.60	8	4	1.15	50	1.00
30 8012 0120 10	1.2	0.60	10	4	1.15	50	1.00
30 8012 0120 12	1.2	0.60	12	4	1.15	50	1.00

מק"ט	d1*	r - 0.005	l3	d2 h5	d3	l1	l2
30 8012 0150 06	1.5	0.75	6	4	1.44	50	1.20
30 8012 0150 08	1.5	0.75	8	4	1.44	50	1.20
30 8012 0150 10	1.5	0.75	10	4	1.44	50	1.20
30 8012 0150 12	1.5	0.75	12	4	1.44	50	1.20
30 8012 0150 15	1.5	0.75	15	4	1.44	60	1.20
30 8012 0150 20	1.5	0.75	20	4	1.44	60	1.20
30 8012 0200 06	2.0	1.00	6	4	1.92	50	1.50
30 8012 0200 08	2.0	1.00	8	4	1.92	50	1.50
30 8012 0200 10	2.0	1.00	10	4	1.92	50	1.50
30 8012 0200 12	2.0	1.00	12	4	1.92	50	1.50
30 8012 0200 15	2.0	1.00	15	4	1.92	60	1.50
30 8012 0200 20	2.0	1.00	20	4	1.92	60	1.50
30 8012 0200 25	2.0	1.00	25	4	1.92	70	1.50
30 8012 0200 30	2.0	1.00	30	4	1.92	70	1.50
30 8012 0250 10	2.5	1.25	10	4	2.40	50	2.50
30 8012 0250 15	2.5	1.25	15	4	2.40	60	2.50
30 8012 0300 05	3.0	1.50	5	6	2.90	50	2.50
30 8012 0300 10	3.0	1.50	10	6	2.90	50	2.50
30 8012 0300 15	3.0	1.50	15	6	2.90	60	2.50
30 8012 0300 20	3.0	1.50	20	6	2.90	60	2.50
30 8012 0300 25	3.0	1.50	25	6	2.90	70	2.50
30 8012 0300 30	3.0	1.50	30	6	2.90	70	2.50
30 8012 0400 10	4.0	2.00	10	6	3.90	50	3.20
30 8012 0400 15	4.0	2.00	15	6	3.90	60	3.20
30 8012 0400 20	4.0	2.00	20	6	3.90	60	3.20
30 8012 0400 25	4.0	2.00	25	6	3.90	70	3.20
30 8012 0400 30	4.0	2.00	30	6	3.90	70	3.20
30 8012 0500 10	5.0	2.50	10	6	4.90	50	4.00
30 8012 0500 15	5.0	2.50	15	6	4.90	60	4.00
30 8012 0500 20	5.0	2.50	20	6	4.90	60	4.00
30 8012 0500 25	5.0	2.50	25	6	4.90	70	4.00
30 8012 0500 30	5.0	2.50	30	6	4.90	70	4.00
30 8012 0500 40	5.0	2.50	40	6	4.90	80	4.00
30 8012 0600 10	6.0	3.00	10	6	5.90	50	5.00
30 8012 0600 15	6.0	3.00	15	6	5.90	60	5.00
30 8012 0600 20	6.0	3.00	20	6	5.90	60	5.00
30 8012 0600 25	6.0	3.00	25	6	5.90	70	5.00
30 8012 0600 30	6.0	3.00	30	6	5.90	70	5.00
30 8012 0600 40	6.0	3.00	40	6	5.90	80	5.00

כרסומי פיברגלס





מידות אינצ'יות

Tool No.	d1	l2	d2	l1	solid	קצה שטוח	קצה פרח	קצה כרסום	קצה קודח
FGR-1	1/16	3/16	1/8	1-1/2	✔	73001	73015	73030	73045
FGR-1-1	3/32	3/8	1/8	1-1/2	✔	73002	73016	73031	73046
FGR-2	1/8	1/2	1/8	1-1/2	✔	73003	73017	73032	73047
FGR-3	3/16	5/8	3/16	2	✔	73004	73018	73033	73048
FGR-4	3/16	5/8	1/4	2	✔	73005	73019	73034	73049
FGR-5	1/4	3/4	1/4	2	✔	73006	73020	73035	73050
FGR-6	1/4	3/4	1/4	2-1/2	✔	73007	73021	73036	73051
FGR-6-1	1/4	1	1/4	3	✔	73008	73022	73037	73052
FGR-7	5/16	1	5/16	2-1/2	✔	73009	73023	73038	73053
FGR-8	3/8	1	3/8	2-1/2	✔	73010	73024	73039	73054
FGR-9	1/2	1	1/2	3	✔	73011	73025	73040	73055

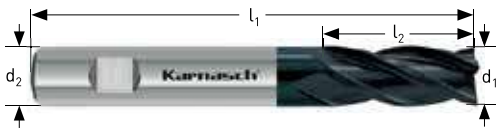
מידות מילימטריות

Tool No.	d1	l2	d2	l1	solid	קצה שטוח	קצה פרח	קצה כרסום	קצה קודח
FGR-1M	1.6	5.0	3.0	38.0	✔	83001	83015	83030	83045
FGR-1-1M	2.4	9.5	3.0	38.0	✔	83002	83016	83031	83046
FGR-2M	3.0	12.0	3.0	38.0	✔	83003	83017	83032	83047
FGR-3M	4.0	16.0	4.0	50.0	✔	83004	83018	83033	83048
FGR-4M	4.0	16.0	6.0	50.0	✔	83005	83019	83034	83049
FGR-5M	6.0	19.0	6.0	50.0	✔	83006	83020	83035	83050
FGR-6M	6.0	19.0	6.0	63.0	✔	83007	83021	83036	83051
FGR-6-1M	6.0	25.0	6.0	75.0	✔	83008	83022	83037	83052
FGR-7M	8.0	25.0	8.0	63.0	✔	83009	83023	83038	83053
FGR-8M	10.0	25.0	10.0	75.0	✔	83010	83024	83039	83054
FGR-9M	12.0	25.0	12.0	75.0	✔	83011	83025	83040	83055

כרסומי גמר ורסק HSS-XE

44 1661 HSSX-V2

UNI
STEEL < 1400 N/mm²
INOX stainless steel
TITANIUM < 1100 N/mm²
NON-FERROUS METALS



HSSX-V2 COATED

Z 4

מק"ט	d1	l2	d2	l1	z
44 1661 0600	6	13	6	57	4
44 1661 0800	8	19	10	69	4
44 1661 1000	10	22	10	72	4
44 1661 1200	12	26	12	83	4
44 1661 1600	16	32	16	92	4
44 1661 2000	20	38	20	104	4

44 2429 HSSX-V2

UNI
STEEL < 1400 N/mm²
INOX stainless steel
TITANIUM < 1100 N/mm²
NON-FERROUS METALS



HSSX-V2 COATED

Z 3

מק"ט	d1	l2	d2	l1	z
44 2429 0600	6	13	6	57	3
44 2429 0800	8	19	10	69	3
44 2429 1000	10	22	10	72	3
44 2429 1200	12	26	12	83	3
44 2429 1600	16	32	16	92	3
44 2429 2000	20	38	20	104	3

44 1663 HSSX-V2

UNI
STEEL < 1400 N/mm²
INOX stainless steel
TITANIUM < 1100 N/mm²
NON-FERROUS METALS



HSSX-V2 COATED

Z 4

מק"ט	d1	l2	d2	l1	z
44 1663 0600	6	13	6	57	4
44 1663 0800	8	19	10	69	4
44 1663 1000	10	22	10	72	4
44 1663 1200	12	26	12	83	4
44 1663 1600	16	32	16	92	4
44 1663 2000	20	38	20	104	4

44 2469 HSSX-V2

UNI
STEEL < 1400 N/mm²
INOX stainless steel
TITANIUM < 1100 N/mm²
NON-FERROUS METALS



HSSX-V2 COATED

Z 3

מק"ט	d1	l2	d2	l1	z
44 2469 0600	6	13	6	57	3
44 2469 0800	8	19	10	69	3
44 2469 1000	10	22	10	72	3
44 2469 1200	12	26	12	83	3
44 2469 1600	16	32	16	92	3
44 2469 2000	20	38	20	104	3

70 3009 סט כרסומי רסק



Z 4

מק"ט	סט
70 3009	Ø 6, 8, 10, 12, 16, 20

70 3008 סט כרסומי גמר



Z 4

מק"ט	סט
70 3008	Ø 6, 8, 10, 12, 16, 20

כרסומי גמר ורסק קובלט



P	M	K	N	S	H
★	☆	★	☆		

★ 1st choice ☆ suitable

TAWS HSSCO
כרסום גמר באורך סטנדרטי

מק"ט	D1xdxAP1x L
TAWS4030	3x6x8x52 z4
TAWS4040	4x6x11x55 z4
TAWS4050	5x6x13x57 z4
TAWS4060	6x6x13x57 z4
TAWS4070	7x10x16x66 z4
TAWS4080	8x10x19x69 z4
TAWS4090	9x10x19x69 z4
TAWS4100	10x10x22x72 z4
TAWS4110	11x12x22x79 z4
TAWS4120	12x12x26x83 z4
TAWS4130	13x12x26x83 z4
TAWS4140	14x12x26x83 z4
TAWS4150	15x12x26x83 z4
TAWS4160	16x16x32x92 z4
TAWS4170	17x16x32x92 z4
TAWS4180	18x16x32x92 z4
TAWS4190	19x16x32x92 z4
TAWS4200	20x20x38x104 z4
TAWS4220	22x20x38x104 z4
TAWS4250	25x25x45x121 z4
TAWS6280	28x25x45x121 z6
TAWS6300	30x25x53x121 z6
TAWS6320	32x32x53x133 z6
TAWS6360	36x32x53x133 z6
TAWS6400	40x32x63x143 z6



P	M	K	N	S	H
★	☆	★	☆		

★ 1st choice ☆ suitable

TAWS HSSCO
כרסום גמר ארוך

מק"ט	D1xdxAP1x L
TAWL4030	3x6x12x56 z4
TAWL4040	4x6x19x63 z4
TAWL4050	5x6x24x68 z4
TAWL4060	6x6x24x68 z4
TAWL4070	7x10x30x80 z4
TAWL4080	8x10x38x88 z4
TAWL4090	9x10x38x88 z4
TAWL4100	10x10x45x95 z4
TAWL4110	11x12x45x102 z4
TAWL4120	12x12x53x110 z4
TAWL4130	13x12x53x110 z4
TAWL4140	14x12x53x110 z4
TAWL4150	15x12x53x110 z4
TAWL4160	16x16x63x123 z4
TAWL4170	17x16x63x123 z4
TAWL4180	18x16x63x123 z4
TAWL4190	19x16x63x123 z4
TAWL4200	20x20x75x141 z4
TAWL6220	22x20x75x141 z6
TAWL6250	25x25x90x166 z6
TAWL6280	
TAWL6300	30x25x90x166 z6
TAWL6320	32x32x106x186 z6
TAWL6360	36x32x106x186 z6
TAWL6400	40x40x125x217 z6



P	M	K	N	S	H
★	☆	★	☆		

★ 1st choice ☆ suitable

TAWSFR HSSCO
כרסום רסק באורך סטנדרטי

מק"ט	D1xdxAP1x L
TAWSFR060	6x6x13x57 z3
TAWSFR080	8x10x19x69 z3
TAWSFR100	10x10x22x72 z4
TAWSFR120	12x12x26x83 z4
TAWSFR140	14x12x26x83 z4
TAWSFR160	16x16x32x92 z4
TAWSFR180	18x16x32x92 z4
TAWSFR200	20x20x38x104 z4
TAWSFR220	22x20x38x104 z5
TAWSFR250	25x25x45x121 z5
TAWSFR300	30x25x45x121 z6
TAWSFR320	32x32x53x133 z6
TAWSFR360	36x32x53x133 z6
TAWSFR400	40x32x63x155 z6



P	M	K	N	S	H
★	☆	★	☆		

★ 1st choice ☆ suitable

TAWLFR HSSCO
כרסום רסק ארוך

מק"ט	D1xdxAP1x L
TAWLFR060	6x6x24x68 z3
TAWLFR080	8x10x38x88 z3
TAWLFR100	10x10x45x95 z4
TAWLFR120	12x12x53x110 z4
TAWLFR140	14x12x53x110 z4
TAWLFR160	16x16x63x123 z4
TAWLFR180	18x16x63x123 z4
TAWLFR200	20x20x75x141 z4
TAWLFR220	22x20x75x141 z5
TAWLFR250	25x25x90x166 z5
TAWLFR300	30x25x90x166 z6
TAWLFR320	32x32x106x186 z6
TAWLFR360	36x32x106x186 z6
TAWLFR400	40x32x125x217 z6

כרסומי קובלט זנב סנונית, דרור, T

P	M	K	N	S	H
★	☆	★	☆		

★ 1st choice ☆ suitable



WDD
זנב סנונית

מק"ט	שן	מעלות	אורך	גובה H	קנה	קוטר
WDD60160	6		60	6.3	12	16
WDD60200	6		63	8	12	20
WDD60220	6		67	9	12	22
WDD60250	8	60°	67	10	16	25
WDD60280	8		67	11	16	28
WDD60320	10		71	12.5	16	32
WDD60380	12		80	16	16	38

P	M	K	N	S	H
★	☆	★	☆		

★ 1st choice ☆ suitable



WDC
זנב דרור

מק"ט	שן	מעלות	אורך	גובה H	קנה	קוטר
WDC60160	6		60	6.3	12	16
WDC60200	6		63	8	12	20
WDC60220	6		67	9	12	22
WDC60250	8	60°	67	10	16	25
WDC60280	8		67	11	16	28
WDC60320	10		71	12.5	16	32
WDC60380	12		80	16	16	38

P	M	K	N	S	H
★	☆	★	☆		

★ 1st choice ☆ suitable



WWK
כרסום T

מק"ט	שן	אורך	גובה H	קנה	קוטר
WWK165B	8	56	2.5	10	16.5
WWK165C	8	56	3	10	16.5
WWK165D	8	56	4	10	16.5
WWK165E	8	56	5	10	16.5
WWK195C	8	63	3	10	19.5
WWK195D	8	63	4	10	19.5
WWK195E	8	63	5	10	19.5
WWK195F	8	63	6	10	19.5
WWK225D	10	63	4	10	22.5
WWK225E	10	63	5	10	22.5
WWK225F	10	63	6	10	22.5
WWK225H	10	63	8	10	22.5
WWK225E	10	63	5	10	25.5
WWK225F	10	63	6	10	25.5
WWK225G	10	63	7	10	25.5
WWK225H	10	63	8	10	25.5
WWK285E	10	63	5	10	28.5
WWK285F	10	63	6	10	28.5
WWK285G	10	63	7	10	28.5
WWK285H	10	63	8	10	28.5
WWK325E	12	71	5	12	32.5
WWK325F	12	71	6	12	32.5
WWK325G	12	71	7	12	32.5
WWK325H	12	71	8	12	32.5

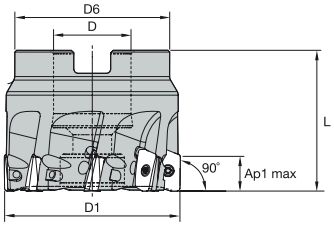
ראשי כרסום 90° VSM17 VSM11

VSM11
גוף צילינדרי





Z	L	D	D1	VSM11
1	100	16	12	5416632
2	100	12	16	6164360
2	100	16	16	5416633
2	170	16	16	5416700
2	100	16	18	6171450
2	170	16	18	5416701
2	110	20	20	5416634
2	170	20	20	5416702
3	110	20	20	5416635
3	170	20	20	5416703
3	110	20	22	6171502
3	170	20	22	5416704
3	120	25	25	5416636
3	210	25	25	5416705
4	120	25	25	5416637
4	210	25	25	5416706
3	130	25	32	6171503
3	130	32	32	5416638
3	250	32	32	5416707
5	130	32	32	5416639





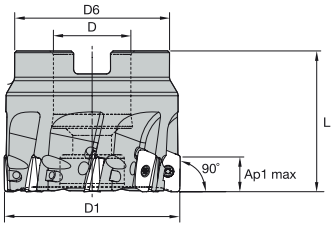
VSM11
ראש כרסום

Z	D	D1	VSM11
4	16	40	5416316
6	16	40	5416317
5	22	50	5416318
8	22	50	5416319
6	22	63	5416340
9	22	63	5416341
8	27	80	5416342
9	32	100	5416345
11	40	125	5416347

VSM17
גוף צילינדרי



Z	L	D	D1	VSM17
2	110	25	25	5988055
2	170	25	25	5988056
2	120	32	32	5988107
2	210	32	32	5988108
3	120	32	32	5988057
3	210	32	32	5988058
3	130	32	40	5988109
3	250	32	40	5988110
4	130	32	40	5988059
4	250	32	40	5988060



VSM17
ראש כרסום

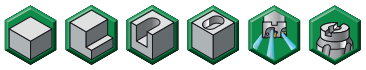
Z	D	D1	VSM17
4	16	40	5988094
4	22	50	5988095
5	22	50	5988096
6	22	50	5988134
5	22	63	5988097
6	22	63	5988135
6	27	80	5988098
7	27	80	5988133
8	32	100	5988099
9	40	125	5988100
12	40	160	5988101



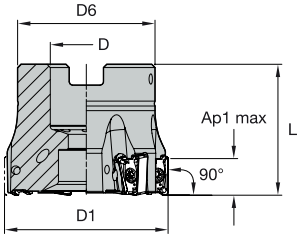
ראשי כרסום 90° VSM490-10 VSM490-15

VSM490-10
גוף צילינדרי





Z	L2/L	D	D1	VSM490-10
2	25/90	16	16	6425502
2	25/150	16	16	6425503
2	25/150	16	18	6425504
2	28/150	20	20	6425506
3	28/90	20	20	6425505
3	28/150	20	20	6425507
3	28/150	20	22	6425508
3	28/100	20	25	6425509
3	43/170	25	25	6425511
4	43/100	25	25	6425510
4	43/170	25	25	6425512
4	32/170	25	28	6425513
4	32/110	25	32	6425514
4	32/200	25	32	6425516
5	32/110	25	32	6425515
5	32/200	25	32	6425517

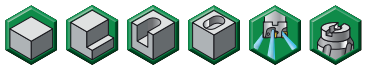




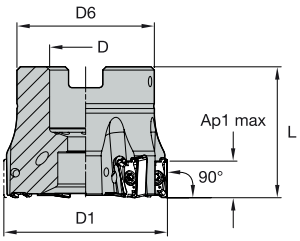
VSM490-10
ראש כרסום

Z	D	D1	VSM490-10
4	16	40	6425434
6	16	40	6425435
7	16	40	6425436
5	22	50	6425437
7	22	50	6425438
9	22	50	6425439
5	22	63	6425440
7	22	63	6425481
9	22	63	6425482
6	27	80	6425483
8	27	80	6425484
10	27	80	6425485
8	32	100	6425486
12	32	100	6425487
10	40	125	6425488
14	40	125	6425489

VSM490-15
גוף צילינדרי



Z	L2/L	D	D1	VSM490-15
2	43/100	25	25	5873216
2	43/170	25	25	5710287
3	49/110	32	32	5873217
3	50/200	32	32	5710288
4	49/110	32	32	5873218
4	50/200	32	32	5873219



VSM490-15
ראש כרסום

Z	D	D1	VSM490-15
4	16	40	5710289
5	16	40	5710520
4	22	50	5873221
5	22	50	5710521
6	22	50	5710522
5	22	63	5873222
6	22	63	5710523
7	22	63	5710524
5	27	80	5873223
7	27	80	5710525
9	27	80	5873224
8	32	100	5710526
11	32	100	5873225
9	40	125	5873226
12	40	125	5873227
12	40	160	5873228

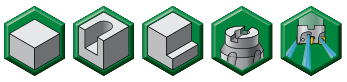


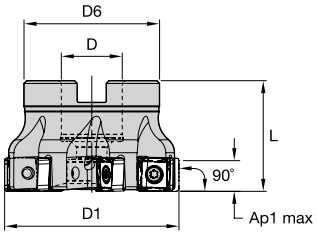
מטרסו
הפצה WIDIA ישראל
WWW.MATARASO.CO.IL

ראשי כרסום VSM890 M1200 MINI M1200

VSM890

ראש כרסום 90°, לוחית 8 פינות

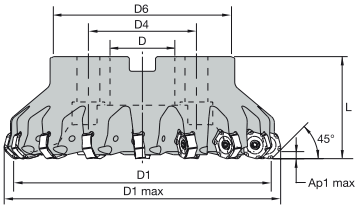




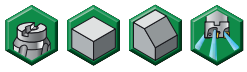


VSM-890	D1	D	L	Z
6596066	32	25	89	3
6596067	40	22	40	4
6596068	50	22	40	4
6596069	50	22	40	5
6596070	63	22	40	5
6596111	63	22	40	7
6596112	80	27	50	5
6596113	80	27	50	7
6596115	100	32	50	6
6596116	100	32	50	8
6596118	125	40	63	7
6596119	125	40	63	10

M1200



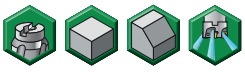




Z	D	D1 max	D1	M1200
3	22	51	40	3957970
4	22	51	40	3957971
4	22	61	50	3325312
5	22	61	50	3325693
4	22	74	63	3650535
6	22	74	63	3093594
7	22	74	63	3025376
5	27	91	80	3650536
6	27	91	80	3081507
9	27	91	80	3025377
6	32	111	100	3650537
8	32	111	100	3325694
11	32	111	100	3025378
8	40	136	125	3650538
10	40	136	125	3081508
14	40	136	125	3093593
12	40	171	160	3066118
16	40	171	160	3066119
16	60	211	200	3957972
20	60	261	250	3957993
24	60	326	315	3957994

M1200 MINI





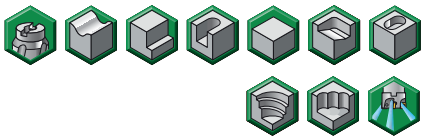
Z	D	D1 max	D1	M1200 MINI
4	22	48.7	40	3957995
5	22	48.7	40	3957996
4	22	58.7	50	3957997
5	22	58.7	50	3957998
6	22	58.7	50	3957999
4	22	71.7	63	3958000
6	22	71.7	63	3958001
8	22	71.7	63	3958002
5	27	88.7	80	3958003
8	27	88.7	80	3958004
10	27	88.7	80	3958005
6	32	108.7	100	3958006
9	32	108.7	100	3958007
12	32	108.7	100	3958008
8	40	133.7	125	4138470
12	40	133.7	125	4138471
16	40	133.7	125	4138472



ראשי כרסום VXF0 M370

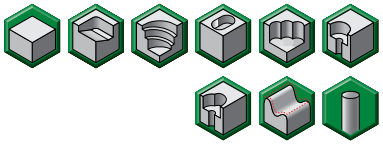
M370
גוף צילינדרי



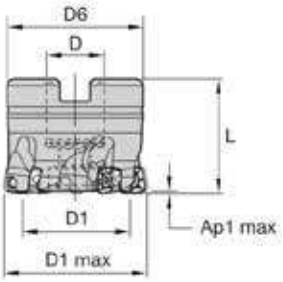


Z	L	D = D1 max	M370
3	150	25	4056189
2	200	25	4008281
3	200	25	4170919
2	300	25	4170920
3	200	28	4056190
4	200	32	4056192
4	150	32	4056191
3	300	32	4170921

VXF
ראש כרסום Xfeed - גוף צילינדרי

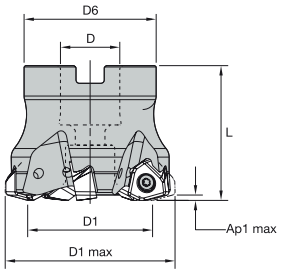


VXF-07	D1	D	L	Z
6597154	16	16	180	2
6597155	18	18	180	2
6597156	20	20	190	3
6597157	25	25	200	4
6597158	40	16	32	5
6597159	50	22	40	7



VXF
ראש כרסום

VXF-12	D1	D	L	Z
6596725	40	22	40	4
6596727	42	22	40	4
6596728	50	22	40	4
6596729	52	22	40	5
6596730	63	22	40	5
6596732	66	27	45	6
6596733	80	27	50	6
6596734	100	32	50	7





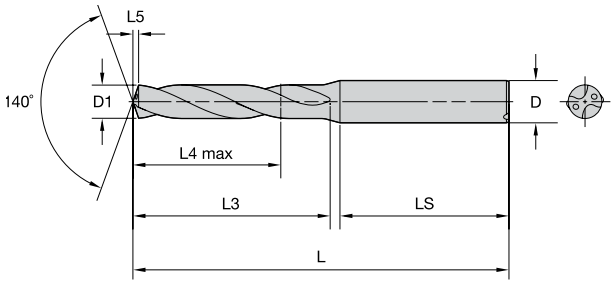
M370
ראש כרסום

Z	D	D1 max	M370
4	16	40	4056193
5	16	40	4170922
5	22	50	4008276
6	22	50	4171223
6	22	52	4171224
5	22	52	4056194
6	22	63	4056195
6	27	66	4008277
7	27	80	4171225



● first choice
○ alternate choice

P		●
M		●
K		●
N		●
S		●
H		





8D		5D			3D			קנה	קוטר
d x L4 max / L3 x Oal	VDS 403	d x L4 max / L3 x Oal	VDS 402	VDS 202	d x L4 max / L3 x Oal	VDS 401	VDS 201		
1x10/12x58	6023126	1x6/9x58	355SUH0100N	4148000	1x5/7x58	-	4144195	4	1
1.1x10/12x58	6023129	1.1x6/9x58	355SUH0110N	4148005	1.1x5/7x58	-	4144200	4	1.1
1.2x10/12x58	6023132	1.2x6/9x58	355SUH0120N	4148008	1.2x5/7x58	-	4144523	4	1.2
1.3x10/12x58	6023133	1.3x6/9x58	355SUH0130N	4148009	1.3x5/7x58	-	4144524	4	1.3
1.4x10/12x58	6023136	1.4x6/9x58	355SUH0140N	4148012	1.4x5/7x58	-	4144527	4	1.4
1.5x15/18x58	4143700	1.5x9/12x58	4142871	4148013	1.5x6/9x58	4140270	4144528	4	1.5
1.6x15/18x58	4143701	1.6x9/12x58	4142884	4148014	1.6x6/9x58	4140271	4144529	4	1.6
1.7x15/18x58	4143702	1.7x9/12x58	4142887	4148015	1.7x6/9x58	4140272	4144530	4	1.7
1.8x15/18x58	4143723	1.8x9/12x58	4142890	4148016	1.8x6/9x58	4140423	4144531	4	1.8
1.9x15/18x58	4143724	1.9x9/12x58	4142893	4148017	1.9x6/9x58	4140424	4144532	4	1.9
2x22/26x66	4143726	2x14/18x58	4142899	4148019	2x10/13x58	4140426	4144534	4	2
2.1x22/26x66	4143727	2.1x14/18x58	4142902	4148020	2.1x10/13x58	4140427	4144535	4	2.1
2.2x22/26x66	4143728	2.2x14/18x58	4142905	4148021	2.2x10/13x58	4140428	4144536	4	2.2
2.3x22/26x66	4143729	2.3x14/18x58	4142908	4148022	2.3x10/13x58	4140429	4144537	4	2.3
2.4x25/30x66	4143731	2.4x17/22x58	4142924	4148024	2.4x12/17x58	4140431	4144539	4	2.4
2.5x25/30x66	4143734	2.5x17/22x58	4142933	4148027	2.5x12/17x58	4140434	4144542	4	2.5
2.6x25/30x66	4143736	2.6x17/22x58	4142939	4148029	2.6x12/17x58	4140436	4144544	4	2.6
2.7x25/30x66	4143738	2.7x17/22x58	4142945	4148031	2.7x12/17x58	4140438	4144546	4	2.7
2.8x25/30x66	4143741	2.8x17/22x58	4142964	4148034	2.8x12/17x58	4140441	4144549	4	2.8
2.9x25/30x66	4143744	2.9x17/22x58	4142973	4148037	2.9x12/17x58	4140444	4144552	4	2.9
3x33/40x78	4143746	3x23/28x66	4142844	4148142	3x14/20x62	4140299	4143907	6	3
3.1x33/40x78	4143748	3.1x23/28x66	4142847	4148144	3.1x14/20x62	4140301	4143909	6	3.1
3.2x33/40x78	4143750	3.2x23/28x66	4142851	4148146	3.2x14/20x62	4140303	4143911	6	3.2
3.3x33/40x78	4143752	3.3x23/28x66	4142865	4148148	3.3x14/20x62	4140305	4143913	6	3.3
3.4x33/40x78	4143753	3.4x23/28x66	4142867	4148149	3.4x14/20x62	4140306	4143914	6	3.4
3.5x33/40x78	4143755	3.5x23/28x66	4142872	4148151	3.5x14/20x62	4140308	4143916	6	3.5
3.6x33/40x78	4143757	3.6x23/28x66	4142888	4148153	3.6x14/20x62	4140310	4143918	6	3.6
3.7x33/40x78	4143759	3.7x23/28x66	4142894	4148155	3.7x14/20x62	4140312	4143920	6	3.7
3.8x41/49x87	4143761	3.8x29/36x74	4142900	4148157	3.8x17/24x66	4140314	4143922	6	3.8
3.9x41/49x87	4143762	3.9x29/36x74	4142903	4148158	3.9x17/24x66	4140315	4143923	6	3.9
4x41/49x87	4143764	4x29/36x74	4142909	4148160	4x17/24x66	4140317	4143925	6	4
4.1x41/49x87	4143767	4.1x29/36x74	4142928	4148163	4.1x17/24x66	4140320	4143928	6	4.1
4.2x41/49x87	4143768	4.2x29/36x74	4142931	4148164	4.2x17/24x66	4140321	4143929	6	4.2
4.3x41/49x87	4143770	4.3x29/36x74	4142937	4148166	4.3x17/24x66	4140323	4143931	6	4.3
4.4x41/49x87	4143772	4.4x29/36x74	4142943	4148168	4.4x17/24x66	4140325	4143933	6	4.4
4.5x41/49x87	4143773	4.5x29/36x74	4142946	4148169	4.5x17/24x66	4140326	4143934	6	4.5
4.6x41/49x87	4143774	4.6x29/36x74	4142949	4148170	4.6x17/24x66	4140328	4143935	6	4.6
4.7x41/56x87	4143776	4.7x29/36x74	4142965	4148172	4.7x17/24x66	4140330	4143937	6	4.7
4.8x48/56x94	4143778	4.8x35/44x82	4142971	4148174	4.8x20/28x66	4140332	4143939	6	4.8
4.9x48/56x94	4143780	4.9x35/44x82	4142977	4148176	4.9x20/28x66	4140334	4143941	6	4.9
5x48/56x94	4143781	5x35/44x82	4142979	4148177	5x20/28x66	4140335	4143942	6	5
5.1x48/56x94	4143782	5.1x35/44x82	4142981	4148178	5.1x20/28x66	4140336	4143943	6	5.1
5.2x48/56x94	4143785	5.2x35/44x82	4142997	4148181	5.2x20/28x66	4140339	4143946	6	5.2
5.3x48/56x94	4143786	5.3x35/44x82	4142999	4148182	5.3x20/28x66	4140340	4143947	6	5.3
5.4x48/56x94	4143787	5.4x35/44x82	4143000	4148183	5.4x20/28x66	4140341	4143948	6	5.4
5.5x48/56x94	4143789	5.5x35/44x82	4143002	4148185	5.5x20/28x66	4140343	4143950	6	5.5
5.6x48/56x94	4143791	5.6x35/44x82	4143004	4148187	5.6x20/28x66	4140345	4143952	6	5.6

VariDrill™

8D		5D			3D			קנה	קוטר
d x L4 max / L3 x Oal	VDS 403	d x L4 max / L3 x Oal	VDS 402	VDS 202	d x L4 max / L3 x Oal	VDS 401	VDS 201		
5.7x48/56x94	4143793	5.7x35/44x82	4143006	4148189	5.7x20/28x66	4140347	4143954	6	5.7
5.8x48/67x94	4143794	5.8x35/44x82	4143007	4148190	5.8x20/28x66	4140348	4143955	6	5.8
5.9x48/67x94	4143795	5.9x35/44x82	4143008	4148191	5.9x20/28x66	4140349	4143956	6	5.9
6x48/67x94	4143797	6x35/44x82	4143010	4148193	6x20/28x66	4140351	4143958	6	6
6.1x57/67x105	4143798	6.1x43/53x91	4143011	4148194	6.1x24/34x79	4140352	4143959	8	6.1
6.2x57/67x105	4143799	6.2x43/53x91	4143012	4148195	6.2x24/34x79	4140353	4143960	8	6.2
6.3x57/56x105	4143800	6.3x43/53x91	4143023	4148196	6.3x24/34x79	4140354	4143961	8	6.3
6.4x57/67x105	4143802	6.4x43/53x91	4143025	4148198	6.4x24/34x79	4140356	4143963	8	6.4
6.5x57/67x105	4143803	6.5x43/53x91	4143026	4148199	6.5x24/34x79	4140357	4143964	8	6.5
6.6x57/67x105	4143805	6.6x43/53x91	4143028	4148201	6.6x24/34x79	4140359	4143966	8	6.6
6.7x57/67x105	4143807	6.7x43/53x91	4143030	4148203	6.7x24/34x79	4140361	4143968	8	6.7
6.8x57/67x105	4143809	6.8x43/53x91	4143032	4148205	6.8x24/34x79	4140363	4143970	8	6.8
6.9x57/67x105	4143810	6.9x43/53x91	4143043	4148206	6.9x24/34x79	4140364	4143971	8	6.9
7x57/72x105	4143811	7x43/53x91	4143044	4148207	7x24/34x79	4140365	4143972	8	7
7.1x61/72x110	4143812	7.1x43/53x91	4143045	4148208	7.1x29/41x79	4140366	4143973	8	7.1
7.2x61/72x110	4143814	7.2x43/53x91	4143047	4148210	7.2x29/41x79	4140368	4143975	8	7.2
7.3x61/72x110	4143815	7.3x43/53x91	4143048	4148211	7.3x29/41x79	4140369	4143976	8	7.3
7.4x61/72x110	4143816	7.4x43/53x91	4143049	4148212	7.4x29/41x79	4140370	4143977	8	7.4
7.5x61/72x110	4143817	7.5x43/53x91	4143050	4148213	7.5x29/41x79	4140371	4143978	8	7.5
7.6x61/80x110	4143819	7.6x43/53x91	4143052	4148215	7.6x29/41x79	4140373	4143980	8	7.6
7.7x61/80x110	4143820	7.7x43/53x91	4143063	4148216	7.7x29/41x79	4140374	4143981	8	7.7
7.8x61/80x110	4143821	7.8x43/53x91	4143064	4148217	7.8x29/41x79	4140375	4143982	8	7.8
7.9x61/80x110	4143822	7.9x43/53x91	4143065	4148218	7.9x29/41x79	4140376	4143983	8	7.9
8x61/80x110	4143824	8x43/53x91	4143067	4148220	8x29/41x79	4140378	4143985	8	8
8.1x68/80x122	4143825	8.1x49/61x103	4143068	4148221	8.1x35/47x89	4140379	4143986	10	8.1
8.2x68/80x122	4143826	8.2x49/61x103	4143069	4148222	8.2x35/47x89	4140380	4143987	10	8.2
8.3x68/80x122	4143827	8.3x49/61x103	4143070	4148223	8.3x35/47x89	4140381	4143988	10	8.3
8.4x68/72x122	4143829	8.4x49/61x103	4143072	4148225	8.4x35/47x89	4140383	4143990	10	8.4
8.5x68/80x122	4143831	8.5x49/61x103	4143084	4148227	8.5x35/47x89	4140385	4143992	10	8.5
8.6x68/80x122	4143832	8.6x49/61x103	4143085	4148228	8.6x35/47x89	4140386	4143993	10	8.6
8.7x68/72x122	4143833	8.7x49/61x103	4143086	4148229	8.7x35/47x89	4140387	4143994	10	8.7
8.8x68/72x122	4143835	8.8x49/61x103	4143088	4148231	8.8x35/47x89	4140389	4143996	10	8.8
8.9x68/72x122	4143836	8.9x49/61x103	4143089	4148232	8.9x35/47x89	4140390	4143997	10	8.9
9x68/72x122	4143837	9x49/61x103	4143090	4148233	9x35/47x89	4140391	4143998	10	9
9.1x68/80x122	4143838	9.1x49/61x103	4143091	4148234	9.1x35/47x89	4140392	4143999	10	9.1
9.2x68/80x122	4143840	9.2x49/61x103	4143103	4148236	9.2x35/47x89	4140394	4144001	10	9.2
9.3x68/80x122	4143841	9.3x49/61x103	4143104	4148237	9.3x35/47x89	4140395	4144002	10	9.3
9.4x68/80x122	4143843	9.4x49/61x103	4143106	4148239	9.4x35/47x89	4140397	4144004	10	9.4
9.5x68/80x122	4143844	9.5x49/61x103	4143107	4148240	9.5x35/47x89	4140398	4144005	10	9.5
9.6x68/80x122	4143846	9.6x49/61x103	4143109	4148242	9.6x35/47x89	4140400	4144007	10	9.6
9.7x68/80x122	4143847	9.7x49/61x103	4143110	4148243	9.7x35/47x89	4140401	4144008	10	9.7
9.8x68/80x122	4143848	9.8x49/61x103	4143111	4148244	9.8x35/47x89	4140402	4144009	10	9.8
9.9x68/80x122	4143849	9.9x49/61x103	4143112	4148245	9.9x35/47x89	4140403	4144010	10	9.9
10x68/80x122	4143421	10x49/61x103	4142823	4148258	10x35/47x89	4140001	4144172	10	10
10.1x79/94x141	4143422	10.1x56/71x118	4142825	4148259	10.1x40/55x102	4140002	4144423	12	10.1
10.2x79/94x141	4143473	10.2x56/71x118	4142827	4148260	10.2x40/55x102	4140163	4144424	12	10.2
10.3x79/94x141	4143474	10.3x56/71x118	4142829	4148261	10.3x40/55x102	4140164	4144425	12	10.3
10.4x79/94x141	4143476	10.4x56/71x118	4142832	4148283	10.4x40/55x102	4140166	4144427	12	10.4
10.5x79/94x141	4143477	10.5x56/71x118	4142834	4148284	10.5x40/55x102	4140167	4144428	12	10.5
10.6x79/94x141	4143478	10.6x56/71x118	4142836	4148285	10.6x40/55x102	4140168	4144429	12	10.6
10.7x79/94x141	4143479	10.7x56/71x118	4142838	4148286	10.7x40/55x102	4140169	4144430	12	10.7
10.8x79/94x141	4143481	10.8x56/71x118	4142842	4148288	10.8x40/55x102	4140171	4144432	12	10.8
10.9x79/94x141	4143482	10.9x56/71x118	4142855	4148289	10.9x40/55x102	4140172	4144433	12	10.9
11x79/94x141	4143483	11x56/71x118	4142857	4148290	11x40/55x102	4140173	4144434	12	11
11.1x79/94x141	4143484	11.1x56/71x118	4142858	4148291	11.1x40/55x102	4140174	4144435	12	11.1
11.2x79/94x141	4143486	11.2x56/71x118	4142862	4148293	11.2x40/55x102	4140176	4144437	12	11.2
11.3x79/94x141	4143487	11.3x56/71x118	4142873	4148294	11.3x40/55x102	4140177	4144438	12	11.3
11.4x79/94x141	4143488	11.4x56/71x118	4142874	4148295	11.4x40/55x102	4140178	4144439	12	11.4
11.5x79/94x141	4143489	11.5x56/71x118	4142875	4148296	11.5x40/55x102	4140179	4144440	12	11.5
11.6x79/94x141	4143491	11.6x56/71x118	4142877	4148298	11.6x40/55x102	4140181	4144442	12	11.6

8D		5D			3D			קנה	קוטר
d x L4 max / L3 x Oal	VDS 403	d x L4 max / L3 x Oal	VDS 402	VDS 202	d x L4 max / L3 x Oal	VDS 401	VDS 201		
11.7x79/94x141	4143492	11.7x56/71x118	4142878	4148299	11.7x40/55x102	4140182	4144443	12	11.7
11.8x79/94x141	4143493	11.8x56/71x118	4142879	4148300	11.8x40/55x102	4140183	4144444	12	11.8
11.9x79/94x141	4143494	11.9x56/71x118	4142880	4148301	11.9x40/55x102	4140184	4144445	12	11.9
12x79/94x141	4143496	12x56/71x118	4142882	4148313	12x40/55x102	4140186	4144447	12	12
12.1x91/108x155	4143497	12.1x60/77x124	4142913	4148314	12.1x43/60x107	4140187	4144448	14	12.1
12.2x91/108x155	4143498	12.2x60/77x124	4142914	4148315	12.2x43/60x107	4140188	4144449	14	12.2
12.3x91/108x155	4143499	12.3x60/77x124	4142915	4148316	12.3x43/60x107	4140189	4144450	14	12.3
12.4x91/108x155	4143501	12.4x60/77x124	4142917	4148318	12.4x43/60x107	4140191	4144452	14	12.4
12.5x91/108x155	4143502	12.5x60/77x124	4142918	4148319	12.5x43/60x107	4140192	4144453	14	12.5
12.6x91/108x155	4143503	12.6x60/77x124	4142919	4148320	12.6x43/60x107	4140194	4144454	14	12.6
12.7x91/108x155	4143504	12.7x60/77x124	4142920	4148321	12.7x43/60x107	4140195	4144455	14	12.7
12.8x91/108x155	4143505	12.8x60/77x124	4142921	4148322	12.8x43/60x107	4140196	4144456	14	12.8
12.9x91/108x155	4143506	12.9x60/77x124	4142922	4148343	12.9x43/60x107	4140197	4144457	14	12.9
13x91/108x155	4143507	13x60/77x124	4142953	4148344	13x43/60x107	4140198	4144458	14	13
13.1x91/108x155	4143509	13.1x60/77x124	4142955	4148346	13.1x43/60x107	4140200	4144460	14	13.1
13.2x91/108x155	4143510	13.2x60/77x124	4142956	4148347	13.2x43/60x107	4140201	4144461	14	13.2
13.3x91/108x155	4143511	13.3x60/77x124	4142957	4148348	13.3x43/60x107	4140202	4144462	14	13.3
13.4x91/108x155	4143512	13.4x60/77x124	4142958	4148349	13.4x43/60x107	4140203	4144463	14	13.4
13.5x91/108x155	4143513	13.5x60/77x124	4142959	4148350	13.5x43/60x107	4140204	4144464	14	13.5
13.6x91/108x155	4143514	13.6x60/77x124	4142960	4148351	13.6x43/60x107	4140205	4144465	14	13.6
13.7x91/108x155	4143515	13.7x60/77x124	4142961	4148352	13.7x43/60x107	4140206	4144466	14	13.7
13.8x91/108x155	4143516	13.8x60/77x124	4142962	4148353	13.8x43/60x107	4140207	4144467	14	13.8
13.9x91/108x155	4143518	13.9x60/77x124	4142984	4148355	13.9x43/60x107	4140209	4144469	14	13.9
14x91/108x155	4143519	14x60/77x124	4142985	4148356	14x43/60x107	4140210	4144470	14	14
14.1x101/121x171	4143520	14.1x63/83x133	4142986	4148357	14.1x45/65x115	4140211	4144471	16	14.1
14.2x101/121x171	4143521	14.2x63/83x133	4142987	4148358	14.2x45/65x115	4140212	4144472	16	14.2
14.3x101/121x171	4143523	14.3x63/83x133	4142989	4148360	14.3x45/65x115	4140214	4144474	16	14.3
14.4x101/121x171	4143524	14.4x63/83x133	4142990	4148361	14.4x45/65x115	4140215	4144475	16	14.4
14.5x101/121x171	4143525	14.5x63/83x133	4142991	4148362	14.5x45/65x115	4140216	4144476	16	14.5
14.6x101/121x171	4143526	14.6x63/83x133	4142992	4148363	14.6x45/65x115	4140217	4144477	16	14.6
14.7x101/121x171	4143528	14.7x63/83x133	4143014	4148365	14.7x45/65x115	4140219	4144479	16	14.7
14.8x101/121x171	4143529	14.8x63/83x133	4143015	4148366	14.8x45/65x115	4140220	4144480	16	14.8
14.9x101/121x171	4143530	14.9x63/83x133	4143016	4148367	14.9x45/65x115	4140221	4144481	16	14.9
15x101/121x171	4143531	15x63/83x133	4143017	4148368	15x45/65x115	4140222	4144482	16	15
15.1x101/121x171	4143533	15.1x63/83x133	4143019	4148370	15.1x45/65x115	4140224	4144484	16	15.1
15.2x101/121x171	4143534	15.2x63/83x133	4143020	4148371	15.2x45/65x115	4140225	4144485	16	15.2
15.3x101/121x171	4143535	15.3x63/83x133	4143021	4148372	15.3x45/65x115	4140226	4144486	16	15.3
15.4x101/121x171	4143536	15.4x63/83x133	4143022	4148373	15.4x45/65x115	4140227	4144487	16	15.4
15.5x101/121x171	4143538	15.5x63/83x133	4143034	4148375	15.5x45/65x115	4140229	4144489	16	15.5
15.6x101/121x171	4143539	15.6x63/83x133	4143035	4148376	15.6x45/65x115	4140230	4144490	16	15.6
15.7x101/121x171	4143540	15.7x63/83x133	4143036	4148377	15.7x45/65x115	4140231	4144491	16	15.7
15.8x101/121x171	4143541	15.8x63/83x133	4143037	4148378	15.8x45/65x115	4140232	4144492	16	15.8
15.9x101/121x171	4143543	15.9x63/83x133	4143039	4148380	15.9x45/65x115	4140234	4144494	16	15.9
16x101/121x171	4143544	16x63/83x133	4143040	4148381	16x45/65x115	4140235	4144495	16	16
16.1x113/135x185	4143545	16.1x71/93x143	4143041	4148382	16.1x51/73x123	4140236	4144496	18	16.1
16.2x113/135x185	4143546	16.2x71/93x143	4143042	4148383	16.2x51/73x123	4140237	4144497	18	16.2
16.3x113/135x185	4143548	16.3x71/93x143	4143054	4148385	16.3x51/73x123	4140239	4144499	18	16.3
16.4x113/135x185	4143549	16.4x71/93x143	4143055	4148386	16.4x51/73x123	4140241	4144500	18	16.4
16.5x113/135x185	4143550	16.5x71/93x143	4143056	4148387	16.5x51/73x123	4140242	4144501	18	16.5
16.6x113/135x185	4143551	16.6x71/93x143	4143057	4148388	16.6x51/73x123	4140243	4144503	18	16.6
16.7x113/135x185	4143553	16.7x71/93x143	4143059	4148390	16.7x51/73x123	4140245	4144505	18	16.7
16.8x113/135x185	4143554	16.8x71/93x143	4143060	4148391	16.8x51/73x123	4140246	4144506	18	16.8
16.9x113/135x185	4143555	16.9x71/93x143	4143061	4148392	16.9x51/73x123	4140247	4144507	18	16.9
17x113/135x185	4143556	17x71/93x143	4143062	4148393	17x51/73x123	4140248	4144508	18	17
17.1x113/135x185	4143557	17.1x71/93x143	4143073	4148394	17.1x51/73x123	4140249	4144509	18	17.1
17.2x113/135x185	4143558	17.2x71/93x143	4143074	4148395	17.2x51/73x123	4140250	4144510	18	17.2
17.3x113/135x185	4143559	17.3x71/93x143	4143075	4148396	17.3x51/73x123	4140251	4144511	18	17.3
17.4x113/135x185	4143560	17.4x71/93x143	4143076	4148397	17.4x51/73x123	4140252	4144512	18	17.4
17.5x113/135x185	4143562	17.5x71/93x143	4143078	4148399	17.5x51/73x123	4140254	4144514	18	17.5
17.6x113/135x185	4143563	17.6x71/93x143	4143079	4148400	17.6x51/73x123	4140255	4144515	18	17.6

VariDrill™

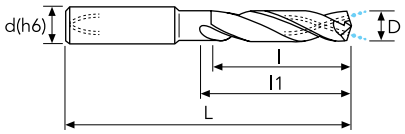
8D		5D			3D			קנה	קוטר
d x L4 max / L3 x Oal	VDS 403	d x L4 max / L3 x Oal	VDS 402	VDS 202	d x L4 max / L3 x Oal	VDS 401	VDS 201		
17.7x113/135x185	4143564	17.7x71/93x143	4143080	4148401	17.7x51/73x123	4140256	4144516	18	17.7
17.8x113/135x185	4143565	17.8x71/93x143	4143081	4148402	17.8x51/73x123	4140257	4144517	18	17.8
17.9x113/135x185	4143567	17.9x71/93x143	4143093	4148404	17.9x51/73x123	4140259	4144519	18	17.9
18x113/135x185	4144209	18x71/93x143	4142803	4147921	18x51/73x123	4140449	4144590	18	18
18.1x124/148x200	4144211	18.1x77/101x153	4142804	4147922	18.1x55/79x131	4140450	4144591	20	18.1
18.2x124/148x200	4144212	18.2x77/101x153	4142805	4148303	18.2x55/79x131	4140451	4144592	20	18.2
18.3x124/148x200	4144246	18.3x77/101x153	4142807	4148305	18.3x55/79x131	4140463	4144594	20	18.3
18.4x124/148x200	4144248	18.4x77/101x153	4142808	4148306	18.4x55/79x131	4140464	4144595	20	18.4
18.5x124/148x200	4144250	18.5x77/101x153	4142809	4148307	18.5x55/79x131	4140465	4144596	20	18.5
18.6x124/148x200	4144252	18.6x77/101x153	4142810	4148308	18.6x55/79x131	4140466	4144597	20	18.6
18.7x124/148x200	4144256	18.7x77/101x153	4142812	4148310	18.7x55/79x131	4140468	4144599	20	18.7
18.8x124/148x200	4144258	18.8x77/101x153	4142824	4148311	18.8x55/79x131	4140469	4144600	20	18.8
18.9x124/148x200	4144260	18.9x77/101x153	4142826	4148312	18.9x55/79x131	4140470	4144601	20	18.9
19x124/148x200	4144262	19x77/101x153	4142828	4148323	19x55/79x131	4140471	4144602	20	19
19.1x124/148x200	4144277	19.1x77/101x153	4142833	4148325	19.1x55/79x131	4140473	4144604	20	19.1
19.2x124/148x200	4144279	19.2x77/101x153	4142835	4148326	19.2x55/79x131	4140474	4144605	20	19.2
19.3x124/148x200	4144281	19.3x77/101x153	4142837	4148327	19.3x55/79x131	4140475	4144606	20	19.3
19.4x124/148x200	4144283	19.4x77/101x153	4142839	4148328	19.4x55/79x131	4140476	4144607	20	19.4
19.5x124/148x200	4144285	19.5x77/101x153	4142841	4148329	19.5x55/79x131	4140477	4144608	20	19.5
19.6x124/148x200	4144287	19.6x77/101x153	4142853	4148330	19.6x55/79x131	4140478	4144609	20	19.6
19.7x124/148x200	4144289	19.7x77/101x153	4142854	4148331	19.7x55/79x131	4140479	4144610	20	19.7
19.8x124/148x200	4144291	19.8x77/101x153	4142856	4148332	19.8x55/79x131	4140480	4144611	20	19.8
19.9x124/148x200	4144303	19.9x77/101x153	4142859	4148333	19.9x55/79x131	4140481	4144612	20	19.9
20x124/148x200	4144305	20x77/101x153	4142860	4148334	20x55/79x131	4140482	4144613	20	20



מקדחים לאלומיניום

תעלה פוליש עם קירור





DIN 6537L | ALH | MG POLISHED | 130° | 30°

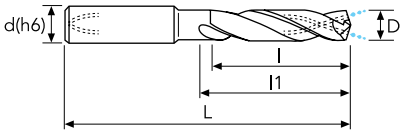
קוטר	קנה	3D		5D	
		מק"ט	D x l / l1 x L	מק"ט	D x l / l1 x L
3	6	353ALH0300*	3x14/20x62	355ALH0300*	3x23/28x66
3.1	6	353ALH0310*	3.1x14/20x62	355ALH0310	3.1x23/28x66
3.2	6	353ALH0320*	3.2x14/20x62	355ALH0320*	3.2x23/28x66
3.3	6	353ALH0330*	3.3x14/20x62	355ALH0330*	3.3x23/28x66
3.4	6	353ALH0340*	3.4x14/20x62	355ALH0340*	3.4x23/28x66
3.5	6	353ALH0350*	3.5x14/20x62	355ALH0350*	3.5x23/28x66
3.6	6	353ALH0360*	3.6x14/20x62	355ALH0360*	3.6x23/28x66
3.7	6	353ALH0370*	3.7x14/20x62	355ALH0370*	3.7x23/28x66
3.8	6	353ALH0380*	3.8x17/24x66	355ALH0380*	3.8x29/36x74
3.9	6	353ALH0390*	3.9x17/24x66	355ALH0390	3.9x29/36x74
4	6	353ALH0400*	4x17/24x66	355ALH0400*	4x29/36x74
4.1	6	353ALH0410*	4.1x17/24x66	355ALH0410	4.1x29/36x74
4.2	6	353ALH0420*	4.2x17/24x66	355ALH0420*	4.2x29/36x74
4.3	6	353ALH0430*	4.3x17/24x66	355ALH0430*	4.3x29/36x74
4.4	6	353ALH0440	4.4x17/24x66	355ALH0440	4.4x29/36x74
4.5	6	353ALH0450*	4.5x17/24x66	355ALH0450*	4.5x29/36x74
4.6	6	353ALH0460*	4.6x17/24x66	355ALH0460	4.6x29/36x74
4.7	6	353ALH0470*	4.7x17/24x66	355ALH0470	4.7x29/36x74
4.8	6	353ALH0480*	4.8x20/28x66	355ALH0480*	4.8x35/44x82
4.9	6	353ALH0490	4.9x20/28x66	355ALH0490	4.9x35/44x82
5	6	353ALH0500*	5x20/28x66	355ALH0500*	5x35/44x82
5.1	6	353ALH0510*	5.1x20/28x66	355ALH0510*	5.1x35/44x82
5.2	6	353ALH0520*	5.2x20/28x66	355ALH0520*	5.2x35/44x82
5.3	6	353ALH0530*	5.3x20/28x66	355ALH0530	5.3x35/44x82
5.4	6	353ALH0540	5.4x20/28x66	355ALH0540	5.4x35/44x82
5.5	6	353ALH0550*	5.5x20/28x66	355ALH0550*	5.5x35/44x82
5.6	6	353ALH0560*	5.6x20/28x66	355ALH0560*	5.6x35/44x82
5.7	6	353ALH0570*	5.7x20/28x66	355ALH0570	5.7x35/44x82
5.8	6	353ALH0580*	5.8x20/28x66	355ALH0580*	5.8x35/44x82
5.9	6	353ALH0590	5.9x20/28x66	355ALH0590	5.9x35/44x82
6	6	353ALH0600*	6x20/28x66	355ALH0600*	6x35/44x82
6.1	8	353ALH0610*	6.1x24/34x79	355ALH0610	6.1x43/53x91
6.2	8	353ALH0620*	6.2x24/34x79	355ALH0620*	6.2x43/53x91
6.3	8	353ALH0630*	6.3x24/34x79	355ALH0630	6.3x43/53x91
6.4	8	353ALH0640	6.4x24/34x79	355ALH0640	6.4x43/53x91
6.5	8	353ALH0650*	6.5x24/34x79	355ALH0650*	6.5x43/53x91
6.6	8	353ALH0660*	6.6x24/34x79	355ALH0660	6.6x43/53x91
6.7	8	353ALH0670*	6.7x24/34x79	355ALH0670*	6.7x43/53x91
6.8	8	353ALH0680*	6.8x24/34x79	355ALH0680*	6.8x43/53x91
6.9	8	353ALH0690	6.9x24/34x79	355ALH0690	6.9x43/53x91
7	8	353ALH0700*	7x24/34x79	355ALH0700*	7x43/53x91
7.1	8	353ALH0710	7.1x29/41x79	355ALH0710	7.1x43/53x91
7.2	8	353ALH0720*	7.2x29/41x79	355ALH0720*	7.2x43/53x91
7.3	8	353ALH0730	7.3x29/41x79	355ALH0730	7.3x43/53x91
7.4	8	353ALH0740	7.4x29/41x79	355ALH0740	7.4x43/53x91
7.5	8	353ALH0750*	7.5x29/41x79	355ALH0750*	7.5x43/53x91
7.6	8	353ALH0760	7.6x29/41x79	355ALH0760	7.6x43/53x91
7.7	8	353ALH0770	7.7x29/41x79	355ALH0770	7.7x43/53x91
7.8	8	353ALH0780*	7.8x29/41x79	355ALH0780*	7.8x43/53x91
7.9	8	353ALH0790	7.9x29/41x79	355ALH0790	7.9x43/53x91
8	8	353ALH0800*	8x29/41x79	355ALH0800*	8x43/53x91
8.1	10	353ALH0810	8.1x35/47x89	355ALH0810	8.1x49/61x103
8.2	10	353ALH0820*	8.2x35/47x89	355ALH0820*	8.2x49/61x103
8.3	10	353ALH0830*	8.3x35/47x89	355ALH0830	8.3x49/61x103
8.4	10	353ALH0840	8.4x35/47x89	355ALH0840	8.4x49/61x103
8.5	10	353ALH0850*	8.5x35/47x89	355ALH0850*	8.5x49/61x103
8.6	10	353ALH0860*	8.6x35/47x89	355ALH0860	8.6x49/61x103
8.7	10	353ALH0870	8.7x35/47x89	355ALH0870	8.7x49/61x103
8.8	10	353ALH0880*	8.8x35/47x89	355ALH0880*	8.8x49/61x103
8.9	10	353ALH0890	8.9x35/47x89	355ALH0890	8.9x49/61x103
9	10	353ALH0900*	9x35/47x89	355ALH0900*	9x49/61x103
9.1	10	353ALH0910	9.1x35/47x89	355ALH0910	9.1x49/61x103
9.2	10	353ALH0920	9.2x35/47x89	355ALH0920	9.2x49/61x103
9.3	10	353ALH0930	9.3x35/47x89	355ALH0930	9.3x49/61x103
9.4	10	353ALH0940	9.4x35/47x89	355ALH0940	9.4x49/61x103
9.5	10	353ALH0950*	9.5x35/47x89	355ALH0950*	9.5x61/61x103
9.6	10	353ALH0960	9.6x35/47x89	355ALH0960	9.6x61/61x103
9.7	10	353ALH0970	9.7x35/47x89	355ALH0970	9.7x61/61x103
9.8	10	353ALH0980	9.8x35/47x89	355ALH0980	9.8x61/61x103
9.9	10	353ALH0990	9.9x35/47x89	355ALH0990	9.9x61/61x103
10	10	353ALH1000*	10x35/47x89	355ALH1000*	10x61/61x103
10.2	12	353ALH1020*	10.2x40/55x102	355ALH1020*	10.2x71/71x118
10.3	12	353ALH1030*	10.3x40/55x102		
10.5	12	353ALH1050*	10.5x40/55x102	355ALH1050*	10.5x71/71x118
11	12	353ALH1100*	11x40/55x102	355ALH1100*	11x71/71x118
12	12	353ALH1200*	12x40/55x102	355ALH1200*	12x71/71x118

מקדחים ארוכים עם קירור בקטרים 1-3

תעלה פוליש עם קירור

8D/12D/20D/25D/30D







P	M	K	N	S	H
★	★	★	☆	☆	

★ 1st choice ☆ suitable

קוטר	קנה	8D		12D	
		מק"ט	D x l / l1 x L	מק"ט	D x l / l1 x L
1	3	358SUH0100N	1x9.5/11x50	3512SUH0100N	1x13.5/15x55
1.1	3	358SUH0110N	1.1x10.5/12x50	3512SUH0110N	1.1x14.9/16.4x55
1.2	3	358SUH0120N	1.2x12.4/13.9x50	3512SUH0120N	1.2x16.2/17.7x55
1.3	3	358SUH0130N	1.3x12.4/13.9x50	3512SUH0130N	1.3x17.6/19.1x55
1.4	3	358SUH0140N	1.4x13.3/14.8x50	3512SUH0140N	1.4x18.9/20.4x55
1.5	3	358SUH0150N	1.5x14.3/15.8x50	3512SUH0150N	1.5x20.3/21.8x55
1.6	3	358SUH0160N	1.6x15/16.7x50	3512SUH0160N	1.6x21.6/23x65
1.7	3	358SUH0170N	1.7x16/17.7x60	3512SUH0170N	1.7x23/24.5x65
1.8	3	358SUH0180N	1.8x17/18.6x60	3512SUH0180N	1.8x24.3/25.8x65
1.9	3	358SUH0190N	1.9x18/19.6x60	3512SUH0190N	1.9x25.7/27.2x65
2	3	358SUH0200N	2x19/22x60	3512SUH0200N	2x27/30x65
2.1	3	358SUH0210N	2.1x20/23x60	3512SUH0210N	2.1x28/31x65
2.2	3	358SUH0220N	2.2x20.9/24.2x60	3512SUH0220N	2.2x29.7/33x65
2.3	3	358SUH0230N	2.3x21.9/25.4x60	3512SUH0230N	2.3x31/34.6x65
2.4	3	358SUH0240N	2.4x22.8/26.4x60	3512SUH0240N	2.4x32.4/36x75
2.5	3	358SUH0250N	2.5x23.8/27.6x60	3512SUH0250N	2.5x33.8/37.6x75
2.6	3	358SUH0260N	2.6x24.7/28.6x60	3512SUH0260N	2.6x35/39x75
2.7	3	358SUH0270N	2.7x25.7/29.8x60	3512SUH0270N	2.7x36.5/40x75
2.8	3	358SUH0280N	2.8x26.6/30.8x60	3512SUH0280N	2.8x37.8/42x75
2.9	3	358SUH0290N	2.9x27.6/32x60	3512SUH0290N	2.9x39/43.6x75
3	3	358SUH0300N	3x28.5/33x60	3512SUH0300N	3x40.5/45x75

קוטר	קנה	20D		25D		30D	
		מק"ט	D x l / l1 x L	מק"ט	D x l / l1 x L	מק"ט	D x l / l1 x L
1	3	3520SUH0100N*	1x21/23x65	3525SUH0100N*	1x26.5/28x70	3530SUH0100N*	1x31.5/33x75
1.1	3	3520SUH0110N	1.1x23.7/25x65	3525SUH0110N	1.1x29/30.7x70	3530SUH0110N	1.1x34.7/36.2x75
1.2	3	3520SUH0120N*	1.2x25.8/27.3x65	3525SUH0120N	1.2x31.8/33.3x75	3530SUH0120N	1.2x37.8/39.3x75
1.3	3	3520SUH0130N*	1.3x28/29.5x65	3525SUH0130N	1.3x34.5/36x75	3530SUH0130N	1.3x41/42.5x85
1.4	3	3520SUH0140N	1.4x30/31.6x65	3525SUH0140N	1.4x37/38.6x75	3530SUH0140N	1.4x44/45.6x85
1.5	3	3520SUH0150N*	1.5x32/33.8x75	3525SUH0150N*	1.5x39.8/41.3x80	3530SUH0150N*	1.5x47/48.8x85
1.6	3	3520SUH0160N*	1.6x34.4/35.9x75	3525SUH0160N	1.6x42.4/43.9x80	3530SUH0160N	1.6x50.4/51.9x90
1.7	3	3520SUH0170N*	1.7x36.6/38x75	3525SUH0170N	1.7x45/46.6x80	3530SUH0170N	1.7x53.6/55.1x90
1.8	3	3520SUH0180N*	1.8x38.7/40x75	3525SUH0180N	1.8x47.7/49.2x90	3530SUH0180N	1.8x56.7/58.2x100
1.9	3	3520SUH0190N	1.9x40.9/42.4x75	3525SUH0190N	1.9x50.4/51.9x90	3530SUH0190N	1.9x59.9/61.4x100
2	3	3520SUH0200N*	2x43/46x82	3525SUH0200N*	2x53/56x90	3530SUH0200N*	2x63/66x100
2.1	3	3520SUH0210N	2.1x45/48x82	3525SUH0210N	2.1x55/58.8x100	3530SUH0210N	2.1x66/69x110
2.2	3	3520SUH0220N*	2.2x47/50x82	3525SUH0220N	2.2x58/61.6x100	3530SUH0220N	2.2x69/72.6x110
2.3	3	3520SUH0230N*	2.3x49/53x100	3525SUH0230N	2.3x61/64.4x100	3530SUH0230N	2.3x72.5/75.9x110
2.4	3	3520SUH0240N	2.4x51.6/55.2x100	3525SUH0240N	2.4x63.6/67.2x100	3530SUH0240N	2.4x75.6/79.2x120
2.5	3	3520SUH0250N*	2.5x53.8/57.6x100	3525SUH0250N*	2.5x66/70x110	3530SUH0250N*	2.5x78.8/82.5x120
2.6	3	3520SUH0260N	2.6x55.9/59.8x100	3525SUH0260N	2.6x68.9/72.8x110	3530SUH0260N	2.6x81.9/85.8x120
2.7	3	3520SUH0270N	2.7x58/62x100	3525SUH0270N	2.7x71.6/75.6x110	3530SUH0270N	2.7x85/89x130
2.8	3	3520SUH0280N*	2.8x60/64.4x100	3525SUH0280N	2.8x74/78.4x110	3530SUH0280N	2.8x88/92x130
2.9	3	3520SUH0290N	2.9x61.4/65.8x100	3525SUH0290N	2.9x76.9/81.2x120	3530SUH0290N	2.9x91/95x130
3	3	3520SUH0300N*	3x64.5/69x100	3525SUH0300N*	3x79.5/84x120	3530SUH0300N*	3x94.5/99x130



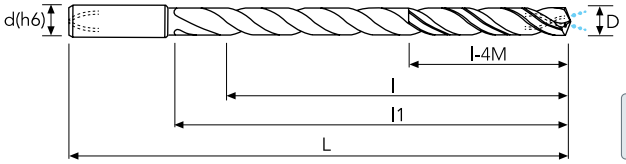
מקדחים ארוכים בקטרים 3.1-12

8D/12D/20D/25D/30D

P	M	K	N	S	H
★	★	★	☆	☆	

★ 1st choice ☆ suitable

30D		25D		20D		15D		12D		קנה	קוטר
D x l / l1 x L	מק"ט	D x l / l1 x L	מק"ט	D x l / l1 x L	מק"ט	D x l / l1 x L	מק"ט	D x l / l1 x L	מק"ט		
3.1x94/99x135	3530HL0310	3.1x79/83x120	3525HL0310	3.1x64/69x105	3520HL0310	3.1x50/55x90	3515HL0310	3.1x45/50x85	3512HL0310*	4	3.1
3.2x97/102x135	3530HL0320	3.2x81/86x120	3525HL0320	3.2x66/71x105	3520HL0320*	3.2x50/55x90	3515HL0320	3.2x45/50x85	3512HL0320*	4	3.2
3.3x100/105x140	3530HL0330	3.3x84/88x125	3525HL0330	3.3x68/73x110	3520HL0330*	3.3x52/56x90	3515HL0330	3.3x45/50x85	3512HL0330*	4	3.3
3.4x103/108x145	3530HL0340	3.4x86/91x125	3525HL0340	3.4x70/75x110	3520HL0340	3.4x53/58x95	3515HL0340	3.4x48/54x90	3512HL0340*	4	3.4
3.5x106/111x145	3530HL0350*	3.5x89/94x130	3525HL0350*	3.5x72/77x110	3520HL0350*	3.5x55/60x95	3515HL0350*	3.5x48/54x90	3512HL0350*	4	3.5
3.6x109/114x150	3530HL0360	3.6x91/96x130	3525HL0360	3.6x74/79x115	3520HL0360	3.6x56/61x95	3515HL0360	3.6x48/54x90	3512HL0360*	4	3.6
3.7x112/118x155	3530HL0370	3.7x64/99x135	3525HL0370	3.7x76/82x115	3520HL0370	3.7x58/63x100	3515HL0370	3.7x48/54x90	3512HL0370*	4	3.7
3.8x115/121x155	3530HL0380	3.8x96/102x135	3525HL0380	3.8x78/84x120	3520HL0380	3.8x60/65x100	3515HL0380	3.8x57/64x100	3512HL0380*	4	3.8
3.9x118/124x160	3530HL0390	3.9x99/104x140	3525HL0390	3.9x80/86x120	3520HL0390	3.9x60/65x100	3515HL0390	3.9x57/64x100	3512HL0390*	4	3.9
4x121/127x160	3530HL0400*	4x101/107x140	3525HL0400*	4x82/88x125	3520HL0400*	4x62/68x105	3515HL0400*	4x57/64x100	3512HL0400*	4	4
4.1x124/130x165	3530HL0410	4.1x104/110x145	3525HL0410	4.1x84/90x125	3520HL0410	4.1x64/70x105	3515HL0410	4.1x57/64x100	3512HL0410*	5	4.1
4.2x127/133x170	3530HL0420	4.2x106/112x150	3525HL0420	4.2x86/92x130	3520HL0420	4.2x65/71x110	3515HL0420	4.2x57/64x100	3512HL0420*	5	4.2
4.3x130/136x175	3530HL0430	4.3x109/115x150	3525HL0430	4.3x88/94x130	3520HL0430	4.3x67/73x110	3515HL0430*	4.3x57/64x100	3512HL0430*	5	4.3
4.4x133/140x175	3530HL0440	4.4x111/118x155	3525HL0440	4.4x90/97x135	3520HL0440	4.4x68/75x110	3515HL0440	4.4x57/64x100	3512HL0440*	5	4.4
4.5x136/143x180	3530HL0450*	4.5x114/120x155	3525HL0450*	4.5x92/99x135	3520HL0450*	4.5x71/76x115	3515HL0450*	4.5x57/64x100	3512HL0450*	5	4.5
4.6x139/146x185	3530HL0460	4.6x116/123x160	3525HL0460	4.6x94/101x140	3520HL0460	4.6x71/78x115	3515HL0460	4.6x57/64x100	3512HL0460*	5	4.6
4.7x142/149x185	3530HL0470	4.7x119/126x165	3525HL0470	4.7x96/103x140	3520HL0470	4.7x73/80x115	3515HL0470	4.7x57/64x100	3512HL0470*	5	4.7
4.8x145/152x190	3530HL0480	4.8x121/128x165	3525HL0480	4.8x98/105x140	3520HL0480	4.8x75/82x115	3515HL0480	4.8x67/74x110	3512HL0480*	5	4.8
4.9x148/155x190	3530HL0490	4.9x124/131x170	3525HL0490	4.9x100/107x145	3520HL0490	4.9x76/83x120	3515HL0490	4.9x72/81x120	3512HL0490*	5	4.9
5x151/159x195	3530HL0500*	5x126/134x170	3525HL0500*	5x102/110x145	3520HL0500*	5x77/85x120	3515HL0500*	5x72/81x120	3512HL0500*	5	5
5.1x154/162x200	3530HL0510	5.1x129/136x175	3525HL0510	5.1x104/112x150	3520HL0510	5.1x79/86x125	3515HL0510	5.1x72/81x120	3512HL0510*	6	5.1
5.2x157/165x205	3530HL0520	5.2x131/139x180	3525HL0520	5.2x106/114x155	3520HL0520	5.2x80/88x125	3515HL0520	5.2x72/81x120	3512HL0520*	6	5.2
5.3x160/168x205	3530HL0530	5.3x134/141x180	3525HL0530	5.3x108/116x155	3520HL0530	5.3x82/89x130	3515HL0530	5.3x72/81x120	3512HL0530*	6	5.3
5.4x163/171x210	3530HL0540	5.4x136/144x185	3525HL0540	5.4x110/118x155	3520HL0540	5.4x83/91x130	3515HL0540	5.4x72/81x120	3512HL0540*	6	5.4
5.5x166/174x215	3530HL0550*	5.5x139/147x185	3525HL0550*	5.5x112/120x160	3520HL0550*	5.5x85/93x130	3515HL0550*	5.5x72/81x120	3512HL0550*	6	5.5
5.6x169/177x215	3530HL0560	5.6x141/149x190	3525HL0560	5.6x114/122x160	3520HL0560	5.6x86/94x135	3515HL0560	5.6x72/81x120	3512HL0560*	6	5.6
5.7x172/181x220	3530HL0570	5.7x144/152x190	3525HL0570	5.7x116/125x165	3520HL0570	5.7x88/96x135	3515HL0570	5.7x72/81x120	3512HL0570*	6	5.7
5.8x175/184x225	3530HL0580	5.8x146/155x195	3525HL0580	5.8x118/127x165	3520HL0580	5.8x89/98x135	3515HL0580	5.8x72/81x120	3512HL0580*	6	5.8
5.9x178/187x225	3530HL0590	5.9x149/157x195	3525HL0590	5.9x120/129x170	3520HL0590	5.9x91/99x140	3515HL0590	5.9x72/81x120	3512HL0590*	6	5.9
6x181/190x230	3530HL0600*	6x151/160x200	3525HL0600*	6x122/131x170	3520HL0600*	6x92/101x140	3515HL0600*	6x72/81x120	3512HL0600*	6	6
6.1x184/193x230	3530HL0610	6.1x154/163x200	3525HL0610	6.1x124/133x170	3520HL0610	6.1x94/103x140	3515HL0610	6.1x88/97x135	3512HL0610*	8	6.1
6.2x187/196x235	3530HL0620	6.2x156/165x205	3525HL0620	6.2x126/135x175	3520HL0620	6.2x95/104x140	3515HL0620	6.2x88/97x135	3512HL0620*	8	6.2
6.3x190/199x240	3530HL0630	6.3x159/168x205	3525HL0630	6.3x128/137x175	3520HL0630	6.3x98/108x145	3515HL0630	6.3x88/97x135	3512HL0630*	8	6.3
6.4x193/203x240	3530HL0640	6.4x161/171x210	3525HL0640	6.4x130/140x180	3520HL0640	6.4x100/110x145	3515HL0640	6.4x96/108x145	3512HL0640*	8	6.4
6.5x196/206x245	3530HL0650*	6.5x164/173x210	3525HL0650*	6.5x132/142x180	3520HL0650*	6.5x100/110x150	3515HL0650*	6.5x96/108x145	3512HL0650*	8	6.5



מקדחים ארוכים בקטרים 3.1-12 (המשך)

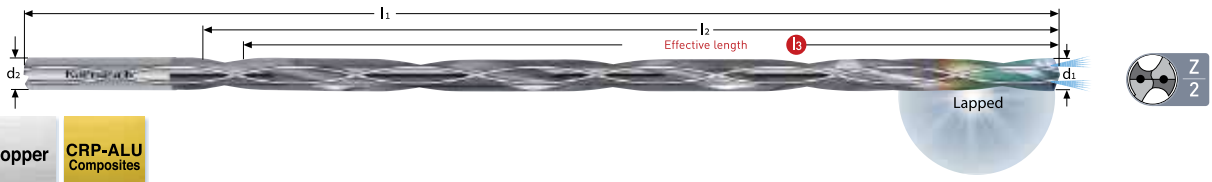
8D/12D/20D/25D/30D

OSAWA NORM | HL | MG PV250 | 135° | 30°

30D		25D		20D		15D		12D		קנה	קוטר
D x l / l1 x L	מק"ט	D x l / l1 x L	מק"ט	D x l / l1 x L	מק"ט	D x l / l1 x L	מק"ט	D x l / l1 x L	מק"ט		
6.6x199/209x250	3530HL0660	6.6x166/176x215	3525HL0660	6.6x134/144x185	3520HL0660	6.6x101/111x150	3515HL0660	6.6x96/108x145	3512HL0660*	8	6.6
6.7x202/212x250	3530HL0670	6.7x169/179x220	3525HL0670	6.7x136/146x185	3520HL0670	6.7x103/113x150	3515HL0670	6.7x96/108x145	3512HL0670*	8	6.7
6.8x205/215x255	3530HL0680	6.8x171/181x220	3525HL0680	6.8x138/148x185	3520HL0680	6.8x104/114x155	3515HL0680	6.8x96/108x145	3512HL0680*	8	6.8
6.9x208/218x255	3530HL0690	6.9x174/184x225	3525HL0690	6.9x140/150x190	3520HL0690	6.9x106/116x155	3515HL0690	6.9x96/108x145	3512HL0690*	8	6.9
7x211/222x265	3530HL0700*	7x176/187x230	3525HL0700*	7x142/153x195	3520HL0700*	7x107/118x160	3515HL0700*	7x96/108x145	3512HL0700*	8	7
7.1x214/225x265	3530HL0710	7.1x179/189x230	3525HL0710	7.1x144/155x195	3520HL0710	7.1x109/119x160	3515HL0710	7.1x96/108x145	3512HL0710	8	7.1
7.2x217/228x270	3530HL0720	7.2x181/192x235	3525HL0720	7.2x146/157x200	3520HL0720	7.2x110/121x160	3515HL0720	7.2x96/108x145	3512HL0720*	8	7.2
7.3x220/231x270	3530HL0730	7.3x184/194x235	3525HL0730	7.3x148/159x200	3520HL0730	7.3x112/122x165	3515HL0730	7.3x96/108x145	3512HL0730	8	7.3
7.4x223/234x275	3530HL0740	7.4x186/197x240	3525HL0740	7.4x150/161x200	3520HL0740	7.4x113/124x165	3515HL0740	7.4x96/108x145	3512HL0740*	8	7.4
7.5x226/237x280	3530HL0750*	7.5x189/200x240	3525HL0750*	7.5x152/163x205	3520HL0750*	7.5x115/126x165	3515HL0750*	7.5x96/108x145	3512HL0750*	8	7.5
7.6x229/240x280	3530HL0760	7.6x191/202x245	3525HL0760	7.6x154/165x205	3520HL0760	7.6x116/127x170	3515HL0760	7.6x96/108x145	3512HL0760	8	7.6
7.7x232/244x285	3530HL0770	7.7x194/205x245	3525HL0770	7.7x156/168x210	3520HL0770	7.7x118/129x170	3515HL0770	7.7x96/108x145	3512HL0770	8	7.7
7.8x235/247x290	3530HL0780	7.8x196/208x250	3525HL0780	7.8x158/170x210	3520HL0780	7.8x119/131x170	3515HL0780	7.8x96/108x145	3512HL0780*	8	7.8
7.9x238/250x290	3530HL0790	7.9x199/210x250	3525HL0790	7.9x160/172x215	3520HL0790	7.9x121/132x175	3515HL0790	7.9x96/108x145	3512HL0790	8	7.9
8x241/253x295	3530HL0800*	8x201/213x255	3525HL0800*	8x162/174x215	3520HL0800*	8x122/134x175	3515HL0800*	8x96/108x145	3512HL0800*	8	8
		8.1x204/216x260	3525HL0810	8.1x164/176x220	3520HL0810	8.1x125/137x180	3515HL0810	8.1x115/127x170	3512HL0810*	10	8.1
		8.2x206/218x260	3525HL0820	8.2x166/178x220	3520HL0820	8.2x125/137x180	3515HL0820	8.2x120/135x180	3512HL0820*	10	8.2
		8.3x209/221x265	3525HL0830	8.3x168/180x225	3520HL0830	8.3x127/139x180	3515HL0830	8.3x120/135x180	3512HL0830*	10	8.3
		8.4x211/224x265	3525HL0840	8.4x170/183x225	3520HL0840	8.4x128/141x185	3515HL0840	8.4x120/135x180	3512HL0840	10	8.4
		8.5x214/226x270	3525HL0850*	8.5x172/185x230	3520HL0850*	8.5x130/142x185	3515HL0850*	8.5x120/135x180	3512HL0850*	10	8.5
		8.6x216/229x270	3525HL0860	8.6x174/187x230	3520HL0860	8.6x131/144x185	3515HL0860	8.6x120/135x180	3512HL0860*	10	8.6
		8.7x219/232x275	3525HL0870	8.7x176/189x230	3520HL0870	8.7x133/146x190	3515HL0870	8.7x120/135x180	3512HL0870*	10	8.7
		8.8x221/234x275	3525HL0880	8.8x178/191x235	3520HL0880	8.8x134/147x190	3515HL0880	8.8x120/135x180	3512HL0880*	10	8.8
		8.9x224/237x280	3525HL0890	8.9x180/193x235	3520HL0890	8.9x136/149x190	3515HL0890	8.9x120/135x180	3512HL0890	10	8.9
		9x226/240x285	3525HL0900*	9x182/196x240	3520HL0900*	9x137/151x195	3515HL0900*	9x120/135x180	3512HL0900*	10	9
		9.1x229/242x285	3525HL0910	9.1x184/198x240	3520HL0910	9.1x139/152x195	3515HL0910	9.1x120/135x180	3512HL0910*	10	9.1
		9.2x231/245x290	3525HL0920	9.2x186/200x245	3520HL0920	9.2x140/154x195	3515HL0920	9.2x120/135x180	3512HL0920*	10	9.2
		9.3x234/247x290	3525HL0930	9.3x188/200x245	3520HL0930	9.3x142/155x200	3515HL0930	9.3x120/135x180	3512HL0930*	10	9.3
		9.4x236/250x295	3525HL0940	9.4x190/204x245	3520HL0940	9.4x143/157x200	3515HL0940	9.4x120/135x180	3512HL0940	10	9.4
		9.5x239/253x295	3525HL0950*	9.5x192/206x250	3520HL0950*	9.5x145/159x200	3515HL0950*	9.5x120/135x180	3512HL0950*	10	9.5
				9.6x194/208x250	3520HL0960	9.6x146/160x205	3515HL0960	9.6x120/135x180	3512HL0960	10	9.6
				9.7x196/211x255	3520HL0970	9.7x148/162x205	3515HL0970	9.7x120/135x180	3512HL0970	10	9.7
				9.8x198/213x255	3520HL0980	9.8x149/164x205	3515HL0980	9.8x120/135x180	3512HL0980*	10	9.8
				9.9x200/215x260	3520HL0990	9.9x151/165x210	3515HL0990	9.9x120/135x180	3512HL0990	10	9.9
				10x202/217x260	3520HL1000*	10x152/167x210	3515HL1000*	10x120/135x180	3512HL1000*	10	10

מקדחי מתק״ש עד 40xD לקידוח באלומיניום

22 0392



Alu-minium | Aluminium < 6% Si | Copper | CRP-ALU Composites

מק״ט	קוטר	l3	l2	l1	קנה
22 0392 0100 006	1.0	6	8	55	4
22 0392 0110 010	1.1	10	12	55	4
22 0392 0120 010	1.2	10	12	55	4
22 0392 0130 010	1.3	10	12	55	4
22 0392 0140 010	1.4	10	12	55	4
22 0392 0150 010	1.5	10	12	55	4
22 0392 0160 013	1.6	13	16	55	4
22 0392 0170 013	1.7	13	16	55	4
22 0392 0180 013	1.8	13	16	55	4
22 0392 0190 013	1.9	13	16	55	4
22 0392 0200 017	2.0	17	21	57	4
22 0392 0200 047	2.0	47	50	92	4
22 0392 0200 067	2.0	67	70	115	4
22 0392 0210 017	2.1	17	21	57	4
22 0392 0220 017	2.2	17	21	57	4
22 0392 0220 047	2.2	47	50	92	4
22 0392 0220 066	2.2	66	70	110	4
22 0392 0230 017	2.3	17	21	57	4
22 0392 0230 046	2.3	46	50	80	4
22 0392 0230 047	2.3	47	50	92	4
22 0392 0230 067	2.3	67	70	115	4
22 0392 0230 069	2.3	69	73	110	4
22 0392 0240 017	2.4	17	21	57	4
22 0392 0240 048	2.4	48	52	85	4
22 0392 0240 066	2.4	66	70	112	4
22 0392 0240 072	2.4	72	76	110	4
22 0392 0240 086	2.4	86	90	138	4
22 0392 0250 017	2.5	17	21	57	4
22 0392 0250 066	2.5	66	70	112	4
22 0392 0250 086	2.5	86	90	138	4
22 0392 0260 017	2.6	17	21	57	4
22 0392 0270 017	2.7	17	21	57	4
22 0392 0270 054	2.7	54	59	90	4
22 0392 0270 066	2.7	66	70	112	4
22 0392 0270 081	2.7	81	86	120	4
22 0392 0270 086	2.7	86	90	138	4
22 0392 0280 017	2.8	17	21	57	4
22 0392 0280 056	2.8	56	61	95	4
22 0392 0280 066	2.8	66	70	112	4
22 0392 0280 084	2.8	84	89	120	4
22 0392 0280 086	2.8	86	90	138	4
22 0392 0290 017	2.9	17	21	57	4
22 0392 0300 022	3.0	22	28	66	6
22 0392 0300 029	3.0	29	34	72	6
22 0392 0300 045	3.0	45	51	95	6
22 0392 0300 055	3.0	55	60	100	6
22 0392 0300 075	3.0	75	80	120	6
22 0392 0300 090	3.0	90	96	140	6
22 0392 0300 100	3.0	100	105	150	6
22 0392 0310 022	3.1	22	28	66	6
22 0392 0310 029	3.1	29	34	72	6
22 0392 0310 048	3.1	48	54	92	6
22 0392 0320 023	3.2	23	28	66	6
22 0392 0320 029	3.2	29	34	72	6

מק״ט	קוטר	l3	l2	l1	קנה
22 0392 0320 048	3.2	48	54	95	6
22 0392 0320 055	3.2	55	60	100	6
22 0392 0320 064	3.2	64	70	110	6
22 0392 0320 075	3.2	75	80	120	6
22 0392 0320 080	3.2	80	86	125	6
22 0392 0320 093	3.2	93	98	135	6
22 0392 0320 096	3.2	96	102	140	6
22 0392 0320 100	3.2	100	105	150	6
22 0392 0330 023	3.3	23	28	66	6
22 0392 0330 029	3.3	29	34	72	6
22 0392 0330 048	3.3	48	54	92	6
22 0392 0330 050	3.3	50	56	95	6
22 0392 0330 066	3.3	66	72	110	6
22 0392 0330 075	3.3	75	80	120	6
22 0392 0330 083	3.3	83	89	130	6
22 0392 0330 099	3.3	99	105	150	6
22 0392 0330 105	3.3	105	110	150	6
22 0392 0330 129	3.3	129	135	185	6
22 0392 0340 023	3.4	23	28	66	6
22 0392 0340 029	3.4	29	34	72	6
22 0392 0340 048	3.4	48	54	92	6
22 0392 0350 023	3.5	23	28	66	6
22 0392 0350 029	3.5	29	34	72	6
22 0392 0350 048	3.5	48	54	92	6
22 0392 0350 053	3.5	53	59	100	6
22 0392 0350 070	3.5	70	77	120	6
22 0392 0350 088	3.5	88	94	140	6
22 0392 0350 105	3.5	105	112	150	6
22 0392 0350 129	3.5	129	135	185	6
22 0392 0360 023	3.6	23	28	66	6
22 0392 0360 029	3.6	29	34	72	6
22 0392 0360 048	3.6	48	54	92	6
22 0392 0370 023	3.7	23	28	66	6
22 0392 0370 029	3.7	29	34	72	6
22 0392 0370 048	3.7	48	54	92	6
22 0392 0380 029	3.8	29	36	74	6
22 0392 0380 036	3.8	36	43	80	6
22 0392 0380 057	3.8	57	64	102	6
22 0392 0380 069	3.8	69	75	115	6
22 0392 0380 076	3.8	76	83	130	6
22 0392 0380 084	3.8	84	90	130	6
22 0392 0380 095	3.8	95	102	150	6
22 0392 0380 114	3.8	114	120	160	6
22 0392 0380 129	3.8	129	135	185	6
22 0392 0390 029	3.9	29	36	74	6
22 0392 0390 036	3.9	36	43	80	6
22 0392 0390 057	3.9	57	64	102	6
22 0392 0400 029	4.0	29	36	74	6
22 0392 0400 036	4.0	36	43	80	6
22 0392 0400 057	4.0	57	64	102	6
22 0392 0400 069	4.0	69	75	115	6
22 0392 0400 080	4.0	80	88	130	6
22 0392 0400 114	4.0	114	120	160	6
22 0392 0400 129	4.0	129	135	185	6

מק״ט	קוטר	l3	l2	l1	קנה
22 0392 0410 029	4.1	29	36	74	6
22 0392 0410 036	4.1	36	43	80	6
22 0392 0410 057	4.1	57	64	102	6
22 0392 0420 029	4.2	29	36	74	6
22 0392 0420 036	4.2	36	43	80	6
22 0392 0420 057	4.2	57	64	102	6
22 0392 0420 063	4.2	63	71	120	6
22 0392 0420 069	4.2	69	75	115	6
22 0392 0420 084	4.2	84	92	140	6
22 0392 0420 103	4.2	103	110	10	6
22 0392 0420 114	4.2	114	120	160	6
22 0392 0420 126	4.2	126	134	185	6
22 0392 0430 029	4.3	29	36	74	6
22 0392 0430 036	4.3	36	43	80	6
22 0392 0430 057	4.3	57	64	102	6
22 0392 0440 029	4.4	29	36	74	6
22 0392 0440 036	4.4	36	43	80	6
22 0392 0440 057	4.4	57	64	102	6
22 0392 0450 029	4.5	29	36	74	6
22 0392 0450 036	4.5	36	43	80	6
22 0392 0450 057	4.5	57	64	102	6
22 0392 0450 068	4.5	68	76	120	6
22 0392 0450 082	4.5	82	90	130	6
22 0392 0450 090	4.5	90	99	140	6
22 0392 0450 103	4.5	103	110	160	6
22 0392 0450 112	4.5	112	121	165	6
22 0392 0450 127	4.5	127	135	180	6
22 0392 0450 135	4.5	135	144	185	6
22 0392 0450 157	4.5	157	165	215	6
22 0392 0460 029	4.6	29	36	74	6
22 0392 0460 036	4.6	39	43	80	6
22 0392 0460 057	4.6	57	64	102	6
22 0392 0470 029	4.7	29	36	74	6
22 0392 0470 036	4.7	36	43	80	6
22 0392 0470 057	4.7	57	64	102	6
22 0392 0480 035	4.8	35	44	82	6
22 0392 0480 048	4.8	48	57	95	6
22 0392 0480 069	4.8	69	78	116	6
22 0392 0480 072	4.8	72	81	125	6
22 0392 0480 082	4.8	82	90	130	6
22 0392 0480 096	4.8	96	105	150	6
22 0392 0480 112	4.8	112	120	160	6
22 0392 0480 120	4.8	120	129	175	6
22 0392 0480 127	4.8	127	135	180	6
22 0392 0480 144	4.8	144	153	200	6
22 0392 0480 157	4.8	157	165	215	6
22 0392 0490 035	4.9	35	44	82	6
22 0392 0490 048	4.9	48	57	95	6
22 0392 0490 069	4.9	69	78	116	6
22 0392 0500 035	5.0	35	44	82	6
22 0392 0500 048	5.0	48	57	95	6
22 0392 0500 069	5.0	69	78	116	6
22 0392 0500 082	5.0	82	90	130	6
22 0392 0500 100	5.0	100	110	150	6

מק"ט	קוטר	l3	l2	l1	קנה
22 0392 0500 112	5.0	112	120	160	6
22 0392 0500 125	5.0	125	135	175	6
22 0392 0500 150	5.0	150	160	200	6
22 0392 0500 157	5.0	157	165	215	6
22 0392 0500 200	5.0	200	210	250	6
22 0392 0510 035	5.1	35	44	82	6
22 0392 0510 048	5.1	48	57	95	6
22 0392 0510 069	5.1	69	78	116	6
22 0392 0520 035	5.2	35	44	82	6
22 0392 0520 048	5.2	48	57	95	6
22 0392 0520 069	5.2	69	78	116	6
22 0392 0530 035	5.3	35	44	82	6
22 0392 0530 048	5.3	48	57	95	6
22 0392 0530 069	5.3	69	78	116	6
22 0392 0540 035	5.4	35	44	82	6
22 0392 0540 048	5.4	48	57	95	6
22 0392 0540 069	5.4	69	78	116	6
22 0392 0550 035	5.5	35	44	82	6
22 0392 0550 048	5.5	48	57	95	6
22 0392 0550 069	5.5	69	78	116	6
22 0392 0550 083	5.5	83	93	135	6
22 0392 0550 099	5.5	99	108	150	6
22 0392 0550 110	5.5	110	121	160	6
22 0392 0550 131	5.5	131	140	185	6
22 0392 0550 138	5.5	138	148	190	6
22 0392 0550 159	5.5	159	168	205	6
22 0392 0550 165	5.5	165	176	215	6
22 0392 0550 171	5.5	171	180	230	6
22 0392 0560 035	5.6	35	44	82	6
22 0392 0560 048	5.6	48	57	95	6
22 0392 0560 069	5.6	69	78	116	6
22 0392 0570 035	5.7	35	44	82	6
22 0392 0570 048	5.7	48	57	95	6
22 0392 0570 069	5.7	69	78	116	6
22 0392 0580 035	5.8	35	44	82	6
22 0392 0580 048	5.8	48	57	95	6
22 0392 0580 069	5.8	69	78	116	6
22 0392 0580 087	5.8	87	98	140	6
22 0392 0580 099	5.8	99	108	150	6
22 0392 0580 116	5.8	116	127	170	6
22 0392 0580 131	5.8	131	140	185	6
22 0392 0580 145	5.8	145	156	200	6
22 0392 0580 159	5.8	159	168	205	6
22 0392 0580 171	5.8	171	180	230	6
22 0392 0590 035	5.9	35	44	82	6
22 0392 0590 048	5.9	48	57	95	6
22 0392 0590 069	5.9	69	78	116	6
22 0392 0600 035	6.0	35	44	82	6
22 0392 0600 048	6.0	48	57	95	6
22 0392 0600 069	6.0	69	78	116	6
22 0392 0600 090	6.0	90	100	140	6
22 0392 0600 099	6.0	99	108	150	6
22 0392 0600 131	6.0	131	140	185	6
22 0392 0600 150	6.0	150	162	200	6
22 0392 0600 159	6.0	159	168	205	6
22 0392 0600 171	6.0	171	180	230	6
22 0392 0610 043	6.1	43	53	90	6
22 0392 0610 066	6.1	66	76	114	8
22 0392 0610 096	6.1	96	108	146	8
22 0392 0620 043	6.2	43	53	90	8

מק"ט	קוטר	l3	l2	l1	קנה
22 0392 0620 066	6.2	66	76	114	8
22 0392 0620 096	6.2	96	108	146	8
22 0392 0630 043	6.3	43	53	90	8
22 0392 0630 066	6.3	66	76	114	8
22 0392 0630 096	6.3	96	108	146	8
22 0392 0640 043	6.4	43	53	90	8
22 0392 0640 066	6.4	66	76	114	8
22 0392 0640 096	6.4	96	108	146	8
22 0392 0650 043	6.5	43	53	90	8
22 0392 0650 066	6.5	66	76	114	8
22 0392 0650 096	6.5	96	108	146	8
22 0392 0650 114	6.5	114	125	165	8
22 0392 0650 130	6.5	130	143	185	8
22 0392 0650 149	6.5	149	160	210	8
22 0392 0650 163	6.5	163	175	215	8
22 0392 0650 189	6.5	189	200	240	8
22 0392 0650 195	6.5	195	208	250	8
22 0392 0650 205	6.5	205	215	280	8
22 0392 0660 043	6.6	43	53	90	8
22 0392 0660 066	6.6	66	76	114	8
22 0392 0660 096	6.6	96	108	146	8
22 0392 0670 043	6.7	43	53	90	8
22 0392 0670 066	6.7	66	76	114	8
22 0392 0670 096	6.7	96	108	146	8
22 0392 0680 043	6.8	43	53	90	8
22 0392 0680 066	6.8	66	76	114	8
22 0392 0680 096	6.8	96	108	146	8
22 0392 0680 102	6.8	102	115	160	8
22 0392 0680 114	6.8	114	125	165	8
22 0392 0680 136	6.8	136	149	195	8
22 0392 0680 149	6.8	149	160	210	8
22 0392 0680 170	6.8	170	183	230	8
22 0392 0680 189	6.8	189	200	240	8
22 0392 0680 204	6.8	204	217	265	8
22 0392 0680 219	6.8	219	230	280	8
22 0392 0690 043	6.9	43	53	90	8
22 0392 0690 066	6.9	66	76	114	8
22 0392 0690 096	6.9	96	108	146	8
22 0392 0700 041	7.0	41	53	90	8
22 0392 0700 064	7.0	64	76	114	8
22 0392 0700 096	7.0	96	108	146	8
22 0392 0700 105	7.0	105	119	160	8
22 0392 0700 114	7.0	114	125	165	8
22 0392 0700 140	7.0	140	154	195	8
22 0392 0700 149	7.0	149	160	210	8
22 0392 0700 175	7.0	175	189	230	8
22 0392 0700 189	7.0	189	200	240	8
22 0392 0700 219	7.0	219	230	280	8
22 0392 0710 041	7.1	41	53	90	8
22 0392 0710 064	7.1	64	76	114	8
22 0392 0710 096	7.1	96	108	146	8
22 0392 0720 041	7.2	41	53	90	8
22 0392 0720 064	7.2	64	76	114	8
22 0392 0720 096	7.2	96	108	146	8
22 0392 0730 041	7.3	41	53	90	8
22 0392 0730 064	7.3	64	76	114	8
22 0392 0730 096	7.3	96	108	146	8
22 0392 0740 041	7.4	41	53	90	8
22 0392 0740 064	7.4	64	76	114	8
22 0392 0740 096	7.4	96	108	146	8

מק"ט	קוטר	l3	l2	l1	קנה
22 0392 0750 041	7.5	41	53	90	8
22 0392 0750 064	7.5	64	76	114	8
22 0392 0750 096	7.5	96	108	146	8
22 0392 0750 113	7.5	113	128	165	8
22 0392 0750 128	7.5	128	140	180	8
22 0392 0750 150	7.5	150	165	210	8
22 0392 0750 168	7.5	168	180	230	8
22 0392 0750 188	7.5	188	203	255	8
22 0392 0750 208	7.5	208	220	260	8
22 0392 0750 219	7.5	219	230	280	8
22 0392 0750 225	7.5	225	240	280	8
22 0392 0760 041	7.6	41	53	90	8
22 0392 0760 064	7.6	64	76	114	8
22 0392 0760 096	7.6	96	108	146	8
22 0392 0770 041	7.7	41	53	90	8
22 0392 0770 064	7.7	64	76	114	8
22 0392 0770 096	7.7	96	108	146	8
22 0392 0780 041	7.8	41	53	90	8
22 0392 0780 064	7.8	64	76	114	8
22 0392 0780 096	7.8	96	108	146	8
22 0392 0780 117	7.8	117	133	170	8
22 0392 0780 128	7.8	128	140	180	8
22 0392 0780 156	7.8	156	172	215	8
22 0392 0780 168	7.8	168	180	230	8
22 0392 0780 195	7.8	195	211	255	8
22 0392 0780 208	7.8	208	220	260	8
22 0392 0780 234	7.8	234	250	315	8
22 0392 0780 253	7.8	253	265	315	8
22 0392 0790 041	7.9	41	53	90	8
22 0392 0790 064	7.9	64	76	114	8
22 0392 0790 096	7.9	96	108	146	8
22 0392 0800 041	8.0	41	53	90	8
22 0392 0800 064	8.0	64	76	114	8
22 0392 0800 096	8.0	96	108	146	8
22 0392 0800 128	8.0	128	140	180	8
22 0392 0800 160	8.0	160	176	215	8
22 0392 0800 168	8.0	168	180	230	8
22 0392 0800 200	8.0	200	216	255	8
22 0392 0800 208	8.0	208	220	260	8
22 0392 0800 240	8.0	240	256	315	8
22 0392 0800 253	8.0	253	265	315	8
22 0392 0810 046	8.1	46	61	103	10
22 0392 0810 080	8.1	80	95	142	10
22 0392 0810 106	8.1	106	120	162	10
22 0392 0820 046	8.2	46	61	103	10
22 0392 0820 080	8.2	80	95	142	10
22 0392 0820 106	8.2	106	120	162	10
22 0392 0830 046	8.3	46	61	103	10
22 0392 0830 080	8.3	80	95	142	10
22 0392 0830 106	8.3	106	120	162	10
22 0392 0840 046	8.4	46	61	103	10
22 0392 0840 080	8.4	80	95	142	10
22 0392 0840 106	8.4	106	120	162	10

* קיים במידות נוספות עד קוטר 12 מ"מ.

מקדחי נקודה ומרכוז



מקדח NC 90º מתק״ש מצופה OSAWA

קנה	אורך כללי	ארוך פעיל	קוטר	מק״ט
6	50	16	6	CSDTA060A
8	64	20	8	CSDTA080A
10	70	25	10	CSDTA100A
12	75	25	12	CSDTA120A
16	90	26	16	CSDTA160A



מקדח NC 90º מתק״ש

קנה	אורך כללי	ארוך פעיל	קוטר	מק״ט
3	40	10	3	170.030-90
4	40	12	4	170.040-90
5	50	15	5	170.050-90
6	50	20	6	170.060-90
8	63	22	8	170.080-90
10	72	23	10	170.100-90
12	83	25	12	170.120-90
16	92	28	16	170.160-90
20	104	30	20	170.200-90



מקדח NC 90º HSSE

קוטר	GSR	YAMAWA
2	03467020	
3	03467030	PZ93.00ZNETZ
4	03467040	PZ94.00ZNETZ
5	03467050	
6	03467060	PZ96.00ZNETZ
8	03467080	PZ98.00ZNETZ
10	03467100	PZ910.0ZNETZ
12	03467120	PZ912.0ZNETZ
16	03467160	PZ916.0ZNETZ
20	03467200	PZ920.0ZNETZ
25	03467250	



מקדח מרכוז ארוך 60º HSSE YAMAWA

מק״ט	Dcx60xDconxOAL
CDL1.0	1x60x4x100
CDM1.0	1x60x4x150
CDL1.5	1.5x60x4x100
CDM1.5	1.5x60x4x150
CDL2.0	2x60x6x100
CDM2.0	2x60x6x150
CDL2.5	2.5x60x8x100
CDM2.5	2.5x60x8x150
CDL3.0	3x60x8x100
CDM3.0	3x60x8x150
CDN3.0	3x60x8x200
CDL4.0	4x60x10x100
CDM4.0	4x60x10x150
CDN4.0	4x60x10x200
CDL5.0	5x60x12x100
CDM5.0	5x60x12x150
CDN5.0	5x60x12x200



מקדח מרכוז מתק״ש 60º

מק״ט	Dc	L2	L1	D2
171.020	2	2.5	40	5
171.025	2.5	3.1	45	6.3
171.0315	3.15	3.9	50	8
171.040	4	5	56	10
171.050	5	6.3	63	12.5
171.063	6.3	8	71	16

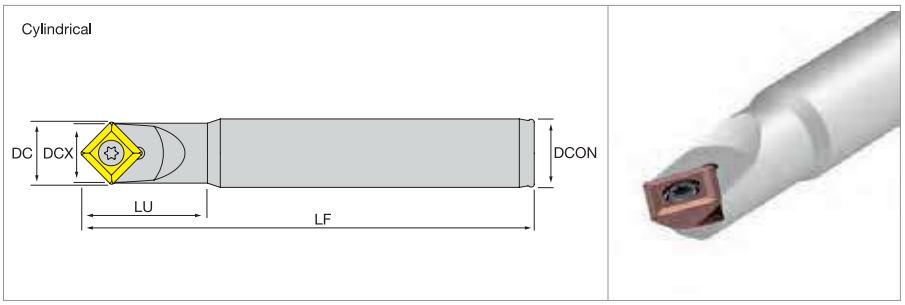


מקדח מרכוז 60º HSSG

קוטר	GSR	YAMAWA
1x3.15	00950010	00211.0
1.6x4	00950016	00211.6
2x5	00950020	00212.0
2.5x6.3	00950025	00212.5
3.15x8	00950031	00213.1
4x10	00950040	00214.0
5x12.5	00950050	00215.0
6.3x16	00950063	00216.3
8x20	00950080	00218.0
10x25	00950100	0021010
12.5x31.5	00950125	

מקדח נקודה מודולרי
לביצוע פאזות, חריצים וכיתוב

Spotting	Engraving	V-Grooving	Chamfering





Designation	Stock	DC	DCX	CICT	DCON	LF	LU	CRKS			MIID
NT-SPOT D14-S16-L100	h	15.4	14	1	16	100	30	-			SPOT11

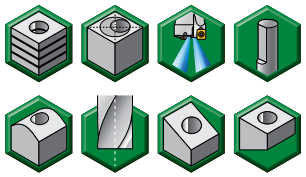
h stock standard, f non-standard stock, j upcoming introduction, m stock exhaustion

Spare parts	Insert screws	Flag wrenches
NT-SPOT D14-⊠⊠⊠-L⊠⊠⊠	NT-ST35080T15	NT-FTB15

		Designation	RE	IC	S	D1	LE	Stock				
לוחית לשימוש כללי	GP P M K 	**SPOT11 R03-GP**	0.3	11	3.97	4.3	10.4	h	h	h		
		SPOT11 R08-GP	0.8	11	3.97	4.3	9.4	h	h	h		
לוחית לאלומיניום	AL N  polished surface	**SPOT11 R04-AL**	0.4	11	3.97	4.3	10.2				h	
		SPOT11 R08-AL	0.8	11	3.97	4.3	9.4				h	

h stock standard, f non-standard stock, j upcoming introduction, m stock exhaustion

TOP CUT 4

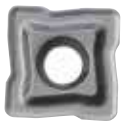


-V34



P K

-V36



P M K

-V36 WN10PH



N

-V38



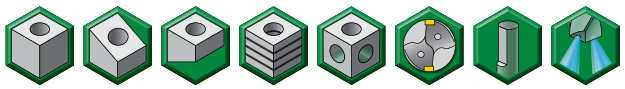
P M S

מברג	בורג	לוחית חיצונית	לוחית מרכזית	גודל	5D	4D	3D	2D	קנה	TC4
2029221	2025073	5541845(V36) 5541842(V34) 6407888(AL) 6429425(V38)	5541840(V36) 5541818(V34) 6407887(AL) 6429458(V38)	A	5537874 (60)	5537869 (48)	5537863 (36)	5537778 (24)	20	12
					5537875 (63)	5537870 (50)	5537864 (37)	5537779 (25)	20	12.5
					5537876 (63)	5537871 (51)	5537866 (38)	5537860 (26)	20	12.7
					5537877 (65)	5537872 (52)	5537867 (39)	5537861 (26)	20	13
					5537878 (68)	5537873 (54)	5537868 (41)	5537862 (27)	20	13.5
1138455	1175225	5542622(V36) 5542609(V34) 6371850(AL) 6429427(V38)	5542607(V36) 5542604(V34) 6372041(AL) 6429459(V38)	B	5577948 (70)	5577938 (56)	5577928 (42)	5577828 (28)	25	14
					5577949 (72)	5577939 (58)	5577929 (43)	5577829 (29)	25	14.5
					5577950 (75)	5577940 (60)	5577930 (45)	5577920 (30)	25	15
					5577951 (77)	5577941 (62)	5577931 (46)	5577921 (31)	25	15.5
					5577952 (80)	5577942 (64)	5577932 (48)	5577922 (32)	25	16
					5577953 (82)	5577943 (66)	5577933 (49)	5577923 (33)	25	16.5
					5577954 (85)	5577944 (68)	5577934 (51)	5577924 (34)	25	17
					5577955 (87)	5577945 (70)	5577935 (52)	5577925 (35)	25	17.5
					5577956 (90)	5577946 (72)	5577936 (54)	5577926 (36)	25	18
					5577957 (92)	5577947 (74)	5577937 (55)	5577927 (37)	25	18.5
2029266	1021337	5542650(V36) 5542647(V34) 6372043(AL) 6429428(V38)	5542645(V36) 5542643(V34) 6372042(AL) 6429460(38)	C	5578844 (95)	5578836 (76)	5578828 (57)	5578820 (38)	25	19
					5578845 (97)	5578837 (78)	5578829 (58)	5578821 (39)	25	19.5
					5578846 (100)	5578838 (80)	5578830 (60)	5578822 (40)	25	20
					5578847 (102)	5578839 (82)	5578831 (61)	5578823 (41)	25	20.5
					5578848 (105)	5578840 (84)	5578832 (63)	5578824 (42)	25	21
					5578849 (110)	5578841 (88)	5578833 (66)	5578825 (44)	25	22
					5578850 (112)	5578842 (90)	5578834 (67)	5578826 (45)	25	22.5
					5578851 (115)	5578843 (92)	5578835 (69)	5578827 (46)	25	23
2029598	1134385	5538602(V36) 5538559(V34) 6372044(AL) 6429430(V38)	5538557(V36) 5538555(V34) 6372045(AL) 6429461(V38)	D	5537838 (120)	5537831 (96)	5537824 (72)	5537167 (48)	25	24
					5537839 (125)	5537832 (100)	5537825 (75)	5537168 (50)	32	25
					5537840 (130)	5537833 (104)	5537826 (78)	5537169 (52)	32	26
					5537841 (132)	5537834 (106)	5537827 (79)	5537820 (53)	32	26.5
					5537842 (135)	5537835 (108)	5537828 (81)	5537821 (54)	32	27
					5537843 (140)	5537836 (112)	5537829 (84)	5537822 (56)	32	28
					5537844 (145)	5537837 (116)	5537830 (87)	5537823 (58)	32	29

TOP CUT 4 (המשך)

מברג	בורג	לוחית חיצונית	לוחית מרכזית	גודל	5D	4D	3D	2D	קנה	TC4
1138430	2018194	5538612(V36) 5538609(V34) 6372046(AL) 6429452(V38)	5538607(V36) 5538604(V34) 6372047(AL) 6429462(V38)	E	5537958 (150)	5537951 (120)	5537944 (90)	5537937 (60)	32	30
					5537959 (155)	5537952 (124)	5537945 (93)	5537938 (62)	32	31
					5537960 (160)	5537953 (128)	5537946 (96)	5537939 (64)	32	32
					5537961 (165)	5537954 (132)	5537947 (99)	5537940 (66)	40	33
					5537962 (170)	5537955 (136)	5537948 (102)	5537941 (68)	40	34
					5537963 (175)	5537956 (140)	5537949 (105)	5537942 (70)	40	35
					5537964 (180)	5537957 (144)	5537950 (108)	5537943 (72)	40	36
2029596	1756815	5542641(V36) 5542628(V34) 6348893(AL) 6429454(V38)	5542626(V36) 5542624(V34) 6346757(AL) 6429463(V38)	F	5578629 (185)	5578619 (148)	5578609 (111)	5578539 (74)	40	37
					5578640 (188)	5578620 (150)	5578610 (113)	5578600 (75)	40	37.5
					5578641 (190)	5578621 (152)	5578611 (114)	5578601 (76)	40	38
					5578642 (195)	5578622 (156)	5578612 (117)	5578602 (78)	40	39
					5578643 (200)	5578623 (160)	5578613 (120)	5578603 (80)	40	40
					5578644 (205)	5578624 (164)	5578614 (123)	5578604 (82)	40	41
					5578645 (210)	5578625 (168)	5578615 (126)	5578605 (84)	40	42
					5578646 (215)	5578626 (172)	5578616 (129)	5578606 (86)	40	43
					5578647 (220)	5578627 (176)	5578617 (132)	5578607 (88)	40	44
					5578648 (225)	5578628 (180)	5578618 (135)	5578608 (90)	40	45
2029488	1099645	5542605(V36) 5542600(V34) 6407889(AL) 6324381(V38)	5542478(V36) 5542476(V34) 6407890(AL) 6324383(V38)	G	5578751 (230)	5578729 (184)	5578716 (138)	5578694 (92)	40	46
					5578752 (235)	5578730 (188)	5578717 (141)	5578695 (94)	40	47
					5578753 (240)	5578731 (192)	5578718 (144)	5578696 (96)	40	48
					5578754 (245)	5578732 (196)	5578719 (147)	5578697 (98)	40	49
					5578755 (250)	5578733 (200)	5578720 (150)	5578698 (100)	40	50
					5578756 (253)	5578734 (202)	5578721 (152)	5578699 (101)	40	50.5
					5578757 (255)	5578735 (204)	5578722 (153)	5578710 (102)	40	51
					5578758 (260)	5578736 (208)	5578723 (156)	5578711 (104)	40	52
					5578759 (265)	5578737 (212)	5578724 (159)	5578712 (106)	40	53
					5578760 (270)	5578738 (216)	5578726 (162)	5578713 (108)	40	54
					5578761 (275)	5578739 (220)	5578727 (165)	5578714 (110)	40	55
					5578762 (280)	5578750 (224)	5578728 (168)	5578715 (112)	40	56
1022519	1823871	5542020(V36) 5542007(V34) 6372048(AL) 6429457(V38)	5542005(V36) 5542003(V34) 6372049(AL) 6429464(V38)	H	5538659 (285)	5538647 (228)	5538635 (171)	5538613 (114)	40	57
					5538680 (290)	5538648 (232)	5538636 (174)	5538614 (116)	40	58
					5538681 (295)	5538649 (236)	5538637 (177)	5538615 (118)	40	59
					5538682 (300)	5538650 (240)	5538638 (180)	5538616 (120)	40	60
					5538683 (305)	5538651 (244)	5538639 (183)	5538617 (122)	40	61
					5538684 (310)	5538652 (248)	5538640 (186)	5538618 (124)	40	62
					5538685 (315)	5538653 (252)	5538641 (189)	5538619 (126)	40	63
					5538686 (320)	5538654 (256)	5538642 (192)	5538630 (128)	40	64
					5538687 (325)	5538655 (260)	5538643 (195)	5538631 (130)	40	65
					5538688 (330)	5538656 (264)	5538644 (198)	5538632 (132)	40	66
					5538689 (335)	5538657 (268)	5538645 (201)	5538633 (134)	40	67
					5538700 (340)	5538658 (272)	5538646 (204)	5538634 (136)	40	68

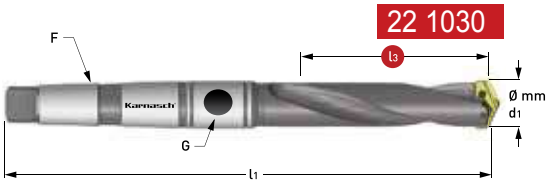




לוחית	8D	5D	TDM1
3848984	3992141	3850905	8
3849051	3992215	3850923	10
3849071	3992219	3850931	12
3849086	3992223	3850939	14
3849096	3992225	3850943	15

קוטר לוחית (M)PK								12D	8D	5D	3D	1.5D	TDMX
			16.67	**16.5**	**16.28**	**16.2**	**16**	6881017	6572155	6572125	6572091	6680951	16
			6568450	6568449	6568448	6568447	6568446						
	17.86	**17.8**	**17.6**	**17.5**	**17.46**	**17.06**	**17**	6881018	6572156	6572126	6572092	6680952	17
	6568472	6568471	6568467	6568465	6568464	6568462	6568461						
			18.8	**18.65**	**18.5**	**18.26**	**18**	6881019	6572157	6572127	6572093	6680953	18
			6568477	6568476	6568475	6568474	6568473						
19.84	**19.7**	**19.5**	**19.45**	**19.27**	**19.2**	**19.05**	**19**	6881020	6572158	6572128	6572094	6680954	19
6568485	6568484	6568483	6568482	6568481	6568480	6568479	6568478						
20.6	**20.5**	**20.4**	**20.3**	**20.24**	**20.2**	**20.1**	**20**	6681041	6572159	6572129	6572096	6680955	20
6568820	6568819	6568818	6568817	6568816	6568815	6568814	6568813						
				20.9	**20.8**	**20.7**	**20.65**						
				6568844	6568843	6568842	6568820						
					21.5	**21.43**	**21**	6681042	6572160	6572130	6572097	6680956	21
					6568847	6568846	6568845						
				22.5	**22.45**	**22.23**	**22**	6681043	6572171	6572141	6572098	6680957	22
				6568851	6568850	6568849	6568848						
					23.81	**23.5**	**23**	6681044	6572172	6572142	6572099	6680958	23
					6568854	6568853	6568852						
					24.61	**24.5**	**24**	6681045	6572173	6572143	6572100	6680959	24
					6568858	6568857	6568856						
	25.8	**25.76**	**25.7**	**25.67**	**25.5**	**25.4**	**25**	6681046	6572174	6572144	6572101	6680960	25
	6568865	6568864	6568863	6568862	6568861	6568860	6568859						
			26.59	**26.5**	**26.4**	**26.19**	**26**	6681047	6572175	6572145	6572102	6680971	26
			6568870	6568869	6568868	6568867	6568866						
					27.78	**27.5**	**27**	6681049	6572176	6572146	6572104	6680972	27
					6568873	6568872	6568871						
				28.58	**28.5**	**2818**	**28**	6681050	6572177	6572147	6572105	6680973	28
				6568877	6568876	6568875	6568874						
				29.76	**29.5**	**29.37**	**29**	6681051	6572178	6572148	6572106	6680974	29
				6568891	6568880	6568879	6568878						
				30.96	**30.5**	**30.16**	**30**	6681052	6572179	6572149	6572107	6880975	30
				6568898	6568896	6568893	6568892						
					31.75	**31.5**	**31**	6681053	6572180	6572150	6572108	6680976	31
					6568900	6568899	6568898						
				33.34	**33**	**32.5**	**32**		6572181	6572151	6572109		32
				6568904	6568903	6568902	6568901						
			35.5	**35**	**34.93**	**34.13**	**34**		6572182	6572152	6572110		34
			6568909	6568908	6568907	6568906	6568905						
				37.5	**37**	**36.5**	**36**		6572183	6572153	6572121		36
				6568913	6568912	6568911	6568910						
	40	**39.5**	**39.29**	**39**	**38.5**	**38.1**	**38**		6572184	6572154	6572122		38
	6568920	6568919	6568918	6568917	6568916	6568915	6568914						

22 1030



הפתרון האידיאלי!
עלות תועלת מוכחת אל מול מקדחים קונים סטנדרטיים.
(ניתן לקבל באורכים וקנים שונים עד קוטר 90 מ״מ).

לוחיות מסונתרות לפלדה ונירוסטה



Ø mm קוטר	מק״ט	מק״ט גוף קידוח	l3 עומק הקידוח mm	l1 אורך כללי mm	F מורס mm	G הברגה mm	טבעת קירור מק״ט
9.50	22 2010 0095	22 1030 00603 0095 Ø 9,5-11,0 mm | OPTIMAL	60.3 mm	188.9 mm	2	1/16"	
9.80	–						
10.00	22 2010 0100						
10.20	22 2010 0102						
10.50	22 2010 0105						
10.80	22 2010 0108						
11.00	22 2010 0110						
11.50	22 2010 0115	22 1030 00603 0115 Ø 11,5-12,5 mm | OPTIMAL	60.3 mm	188.9 mm	2	1/16"	
12.00	22 2010 0120						
12.50	22 2010 0125						22 9002 01905
13.00	22 2010 0130	22 1030 00635 0130 Ø 13,0-17,5 mm | POSSIBLE Ø 13,0-15,0 mm | OPTIMAL	63.5 mm	192.9 mm	2	1/16"	
13.50	22 2010 0135						
14.00	22 2010 0140						
14.50	22 2010 0145						
15.00	22 2010 0150						
15.50	22 2010 0155						
16.00	22 2010 0160	22 1030 00635 0155 Ø 15,5-17,5 mm | OPTIMAL					
16.50	22 2010 0165						
17.00	22 2010 0170						
17.50	22 2010 0175						
18.00	22 2010 0180	22 1030 01715 0180 Ø 18,0-24,0 mm | POSSIBLE Ø 18,0-21,0 mm | OPTIMAL	171.5 mm	334.2 mm	3	1/8"	
18.50	22 2010 0185						
19.00	22 2010 0190						
19.50	22 2010 0195						
20.00	22 2010 0200						
20.50	22 2010 0205						
21.00	22 2010 0210	22 1030 01715 0220 Ø 22,0-24,0 mm | OPTIMAL					
22.00	22 2010 0220						
23.00	22 2010 0230						22 9002 02540
24.00	22 2010 0240						
25.00	22 2010 0250	22 1030 01873 0250 Ø 25,0-35,0 mm | POSSIBLE Ø 25,0-29,0 mm | OPTIMAL	187.3 mm	375.4 mm	4	1/8" Holder 25.0-35.0 mm	
26.00	22 2010 0260						
26.50	22 2010 0265						
27.00	22 2010 0270						
28.00	22 2010 0280						
29.00	22 2010 0290						
30.00	22 2010 0300	22 1030 01873 0300 Ø 30,0-35,0 mm | OPTIMAL		382.6 mm	4	1/4" Holder 30.0-35.0 mm	
31.00	22 2010 0310						
32.00	22 2010 0320						
33.00	22 2010 0330						
34.00	22 2010 0340						
35.00	22 2010 0350						
36.00	22 2010 0360	22 1030 02095 0360 Ø 36,0-47,0 mm | POSSIBLE Ø 36,0-41,0 mm | OPTIMAL	209.5 mm	408.0 mm	4	1/4"	
37.00	22 2010 0370						
38.00	22 2010 0380						
39.00	22 2010 0390						22 9002 03175
40.00	22 2010 0400						
41.00	22 2010 0410						
42.00	22 2010 0420	22 1030 02095 0420 Ø 42,0-47,0 mm | OPTIMAL					
43.00	22 2010 0430						
44.00	22 2010 0440						
45.00	22 2010 0450						
46.00	22 2010 0460						
47.00	22 2010 0470						
48.00	22 2010 0480	22 1030 02318 0480 Ø 48,0-65,0 mm | POSSIBLE Ø 48,0-55,0 mm | OPTIMAL	231.8 mm	465.1 mm	5	1/4"	
49.00	22 2010 0490						
50.00	22 2010 0500						
51.00	22 2010 0510						
52.00	22 2010 0520						
53.00	22 2010 0530						
54.00	22 2010 0540						
55.00	22 2010 0550						
56.00	22 2010 0560	22 1030 02318 0560 Ø 56,0-65,0 mm | OPTIMAL	231.8 mm	465.1 mm	5	1/4"	22 9002 04445
57.00	22 2010 0570						
58.00	22 2010 0580						
59.00	22 2010 0590						
60.00	22 2010 0600						
61.00	22 2010 0610						
62.00	22 2010 0620						
63.00	22 2010 0630						
64.00	22 2010 0640						
65.00	22 2010 0650						

גידוע, חירוץ, חריטה על צד

מערכת WMT
הכל במחזיק אחד גידוע, חירוץ, חריטה



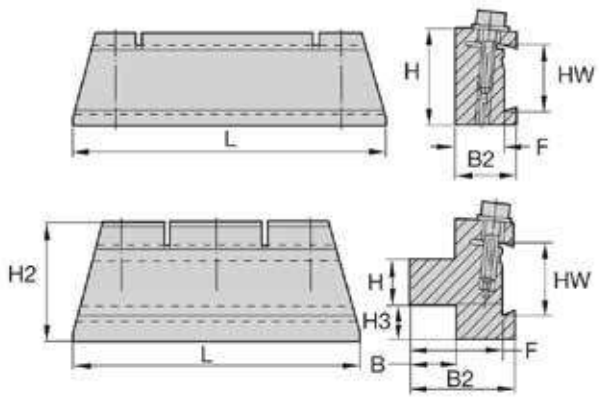
רוחב לוחית	לוחית WMT-U-PT		מחזיק	
	מק"ט לוחית	w x r	20x20	25x25
2	4116132	2.05x0.15	3650458 (17)	3650506 (17)
3	4113569	3.05x0.31	3650470 (22)	3650481 (22)
4	4113580	4.05x0.61	3653751 (20)	3650483 (22)
5	4116151	5.05X0.61	3650475 (25)	3650487 (25)
6	4117256	6.05x0.59	-	3650491 (25)
8	4117262	8.05x0.61	-	3650496 (25)

WGC



רוחב לוחית	WGC		להב לבחירה	
	מק"ט לוחית	r x w x r	להב 26x110	להב 32x150
2	6470548	0.2x2x0.2	6499212	6499213
3	6470561	0.2x3x0.2	6499214	6499215
4	6470564	0.2x4x0.2	6499216	6499217
5	6470566	0.3x5x0.3	-	6499218
6	6461881	0.3x6x0.3	-	6499219
8	6461882	0.4x8x0.4	-	6499220

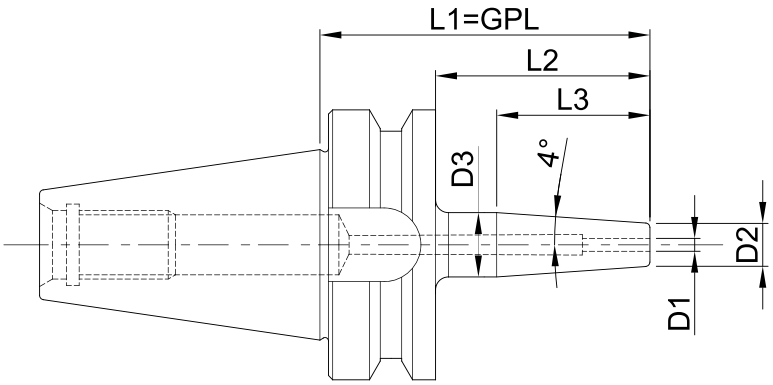
בלוק ללהב גידוע



מקט	HW	H	B	F	H2	B2	H3	L
2007826	26	20	18	33	40	38	8	100
2021635	32	25	20	35	50	40	10	125
2008159	53	32	25	50	82	57	30	160
2021723	53	40	40	58	82	65	22	160

G2.5 - 20,000 RPM

מחזיק BT40 שרינק - דגם צר 4°



Shrink Fit Adapters SLIM Type - BT40 Metric

BPT	תאור פריט	D1	D2	D3	L1=GPL	L2	L3
5000	*BT40SFSL03077M-D4	3	10	15	77	50	35.75
5001	*BT40SFSL03112M-D4	3	10	19	112	85	64.35
5002	*BT40SFSL04077M-D4	4	10	15	77	50	35.75
5003	*BT40SFSL04112M-D4	4	10	19	112	85	64.35
5004	BT40SFSL05077M-D4	5	10	15	77	50	35.75
5005	BT40SFSL05112M-D4	5	10	19	112	85	64.35
5006	BT40SFSL06077M-D4	6	11	16	77	50	35.75
5007	BT40SFSL06112M-D4	6	11	20	112	85	64.35
5008	BT40SFSL06130M-D4	6	12	19	130	103	50.05
5009	BT40SFSL06160M-D4	6	12	19	160	133	50.05
5010	BT40SFSL08077M-D4	8	14	20	77	50	42.9
5011	BT40SFSL08112M-D4	8	14	23	112	85	64.35
5012	BT40SFSL08130M-D4	8	14	21	130	103	50.05
5013	BT40SFSL08160M-D4	8	14	21	160	133	50.05
5014	BT40SFSL10077M-D4	10	16	22	77	50	42.9
5015	BT40SFSL10112M-D4	10	16	24.5	112	85	60.78
5016	BT40SFSL10130M-D4	10	16	23	130	103	50.05
5017	BT40SFSL10160M-D4	10	16	23	160	133	50.05
5018	BT40SFSL12077M-D4	12	20	26	77	50	42.9
5019	BT40SFSL12112M-D4	12	20	28	112	85	57.2
5020	BT40SFSL12130M-D4	12	18	25	130	103	50.05
5021	BT40SFSL12160M-D4	12	18	25	160	133	50.05

G2.5 - 20,000 RPM

מחזיק BT40 שרינק

FIG 1

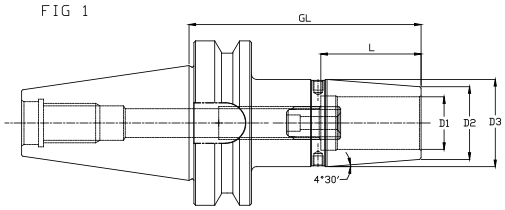
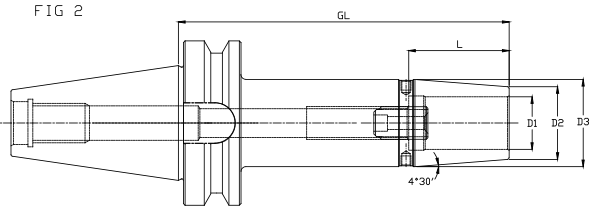


FIG 2



Shrink Fit Adapters - Metric

BPT	תאור פריט	FIG	D1	D2	D3	GL	L	Stop Screw	Wrench Size
5022	BT40SF03090M	1	3	9	15	90	9	-	-
5023	BT40SF03100M	2	3	9	15	100	9	-	-
5024	BT40SF03130M	2	3	9	15	130	9	-	-
5025	BT40SF03160M	2	3	9	15	160	9	-	-
5026	BT40SF04090M	1	4	9	15	90	9	-	-
5027	BT40SF04100M	2	4	9	15	100	9	-	-
5028	BT40SF04130M	2	4	9	15	130	9	-	-
5029	BT40SF04160M	2	4	9	15	160	9	-	-
5030	BT40SF05090M	1	4	9	15	90	15	-	-
5031	BT40SF06090M	1	6	20	27	90	36	BTTSS05014M	2.5mm
5032	BT40SF06120M	2	6	20	27	120	36	BTTSS05014M	2.5mm
5033	BT40SF06130M	2	6	20	27	130	36	BTTSS05014M	2.5mm
5034	BT40SF06160M	2	6	20	27	160	36	BTTSS05014M	2.5mm
5035	BT40SF08090M	1	8	20	27	90	36	BTTSS06014M	3 mm
5036	BT40SF08120M	2	8	20	27	120	36	BTTSS06014M	3 mm
5037	BT40SF08130M	2	8	20	27	130	36	BTTSS06014M	3 mm
5038	BT40SF08160M	2	8	20	27	160	36	BTTSS06014M	3 mm
5039	BT40SF10090M	1	10	24	32	90	42	BTTSS08014M	4 mm
5040	BT40SF10130M	2	10	24	32	130	42	BTTSS08014M	4 mm
5041	BT40SF10160M	2	10	24	32	160	42	BTTSS08014M	4 mm
5042	BT40SF12090M	1	12	24	32	90	47	BTTSS10014M	5 mm
5043	BT40SF12120M	2	12	24	32	120	47	BTTSS10014M	5 mm
5044	BT40SF12130M	2	12	24	32	130	47	BTTSS10014M	5 mm
5045	BT40SF12160M	2	12	24	32	160	47	BTTSS10014M	5 mm
5046	BT40SF14090M	1	14	27	34	90	47	BTTSS10014M	5 mm
5047	BT40SF14100M	2	14	27	34	90	47	BTTSS10014M	5 mm
5048	BT40SF14130M	2	14	27	34	130	47	BTTSS10014M	5 mm
5049	BT40SF14160M	2	14	27	34	160	47	BTTSS10014M	5 mm
5050	BT40SF16090M	1	16	27	34	90	50	BTTSS12014M	6 mm
5051	BT40SF16100M	1	16	27	34	100	50	BTTSS12014M	6 mm
5052	BT40SF16120M	2	16	27	34	120	50	BTTSS12014M	6 mm
5053	BT40SF16130M	2	16	27	34	130	50	BTTSS12014M	6 mm
5054	BT40SF16160M	2	16	27	34	160	50	BTTSS12014M	6 mm
5055	BT40SF18090M	1	18	33	42	90	50	BTTSS12014M	6 mm
5056	BT40SF18130M	2	18	33	42	130	50	BTTSS12014M	6 mm
5057	BT40SF18160M	2	18	33	42	160	50	BTTSS12014M	6 mm
5058	BT40SF20090M	1	20	33	42	90	52	BTTSS16014M	8 mm
5059	BT40SF20100M	1	20	33	42	100	52	BTTSS16014M	8 mm
5060	BT40SF20130M	2	20	33	42	130	52	BTTSS16014M	8 mm
5061	BT40SF20160M	2	20	33	42	160	52	BTTSS16014M	8 mm
5062	BT40SF25100M	1	25	44	53	100	58	BTTSS16014M	8 mm
5063	BT40SF25130M	2	25	44	53	130	58	BTTSS16014M	8 mm
5064	BT40SF25160M	2	25	44	53	160	58	BTTSS16014M	8 mm
5065	BT40SF32105M	1	32	44	53	105	61	BTTSS16014M	8 mm

מחזיק BT40 לתפסנית ER

G2.5 - 20,000 RPM



FIG-1
Hex Nut

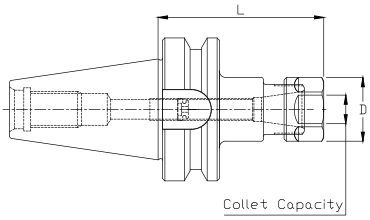
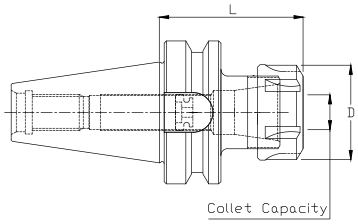


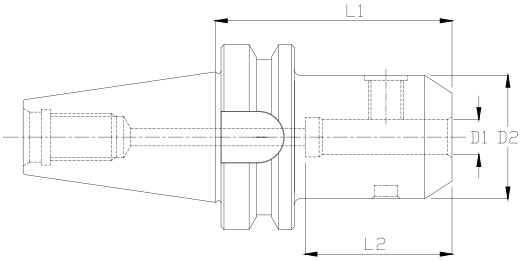
FIG-2
Round Nut



BPT	תאור פריט	Collet Series	Collet Cap Min.	Fig	D	L	Locknut	Wrench	Stop Screw
476	BT40ER11070M	11ER	1 - 7	1	19	70	LNHER11M	ER11WM	SS031031G
477	BT40ER11100M	11ER	1 - 7	1	19	100	LNHER11M	ER11WM	SS031031G
478	BT40ER11120M	11ER	1 - 7	1	19	120	LNHER11M	ER11WM	SS031031G
479	BT40ER11160M	11ER	1 - 7	1	19	160	LNHER11M	ER11WM	SS031031G
480	BT40ER11M100M-Mini	11ER	1 - 7	–	16	100	LNHER11M-MINI	ER11WBEM	SS031031G
481	BT40ER11M120M-Mini	11ER	1 - 7	–	16	120	LNHER11M-MINI	ER11WBEM	SS031031G
482	BT40ER11M160M-Mini	11ER	1 - 7	–	16	160	LNHER11M-MINI	ER11WBEM	SS031031G
484	BT40ER16070M	16ER	1 - 10	1	28	70	LNHER16M	OEW25M	BSS044038G
487	BT40ER16100M	16ER	1 - 10	1	28	100	LNHER16M	OEW25M	BSS044038G
488	BT40ER16120M	16ER	1 - 10	1	28	120	LNHER16M	OEW25M	BSS044038G
489	BT40ER16150M	16ER	1 - 10	1	28	150	LNHER16M	OEW25M	BSS044038G
491	BT40ER16200M	16ER	1 - 10	1	28	200	LNHER16M	OEW25M	BSS044038G
492	BT40ER16M070M-Mini	16ER	1 - 10	–	22	70	LNER16M-MINI	ER16WBER	BSS044038G
493	BT40ER16M100M-Mini	16ER	1 - 10	–	22	100	LNER16M-MINI	ER16WBER	BSS044038G
494	BT40ER16M120M-Mini	16ER	1 - 10	–	22	120	LNER16M-MINI	ER16WBER	BSS044038G
495	BT40ER16M160M-Mini	16ER	1 - 10	–	22	160	LNER16M-MINI	ER16WBER	BSS044038G
498	BT40ER20070M	20ER	1 - 13	1	34	70	LNHER20M	OEW30M	BSS056041G
500	BT40ER20100M	20ER	1 - 13	1	34	100	LNHER20M	OEW30M	BSS056041G
501	BT40ER20120M	20ER	1 - 13	1	34	120	LNHER20M	OEW30M	BSS056041G
504	BT40ER20150M	20ER	1 - 13	1	34	150	LNHER20M	OEW30M	BSS056041G
508	BT40ER20200M	20ER	1 - 13	1	34	200	LNHER20M	OEW30M	BSS056041G
512	BT40ER25070M	25ER	2 - 16	2	42	70	LNER25M	ER25WM	BSS075041G
514	BT40ER25100M	25ER	3 - 16	2	42	100	LNER25M	ER25WM	BSS075041G
516	BT40ER25120M	25ER	4 - 16	2	42	120	LNER25M	ER25WM	BSS075041G
518	BT40ER25150M	25ER	5 - 16	2	42	150	LNER25M	ER25WM	BSS075041G
522	BT40ER25200M	25ER	6 - 16	2	42	200	LNER25M	ER25WM	BSS075041G
523	BT40ER25300M	25ER	7 - 16	2	42	300	LNER25M	ER25WM	BSS075041G
527	BT40ER32070M	32ER	3 - 20	2	50	70	LNER32M	ER32WM	BSS094041G
530	BT40ER32100M	32ER	3 - 20	2	50	100	LNER32M	ER32WM	BSS094041G
531	BT40ER32120M	32ER	3 - 20	2	50	120	LNER32M	ER32WM	BSS094041G
533	BT40ER32150M	32ER	3 - 20	2	50	150	LNER32M	ER32WM	BSS094041G
537	BT40ER32200M	32ER	3 - 20	2	50	200	LNER32M	ER32WM	BSS094041G
538	BT40ER32250M	32ER	3 - 20	2	50	250	LNER32M	ER32WM	BSS094041G
539	BT40ER32300M	32ER	3 - 20	2	50	300	LNER32M	ER32WM	BSS094041G
541	BT40ER40070M	40ER	4 - 26	2	63	80	LNER40M	ER40WM	BSS112041G
543	BT40ER40100M	40ER	4 - 26	2	63	100	LNER40M	ER40WM	BSS112041G
544	BT40ER40120M	40ER	4 - 26	2	63	120	LNER40M	ER40WM	BSS112041G
545	BT40ER40150M	40ER	4 - 26	2	63	150	LNER40M	ER40WM	BSS112041G
549	BT40ER50100M	50ER	5 - 26	2	63	100	LNER50M	-	133003882

G2.5 - 20,000 RPM

מחזיק BT40 לכרסום אצבע EM

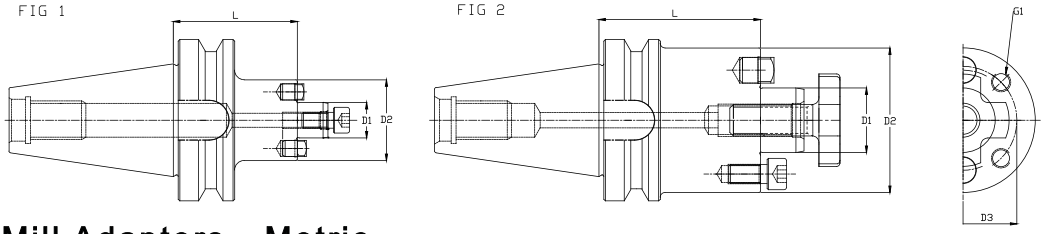


End Mill Adapters - Metric

BPT	תאור פריט	D1	D2	L1	L2	Clamping Screw	No of Clamp Scr	Wrench Allen Key
402	BT40EM06050M	6	25	50	40	BSS03M012	1	3MM
406	BT40EM08050M	8	28	50	40	BSS03M014	1	4MM
412	BT40EM10063M	10	35	63	45	BSS03M018	1	5MM
419	BT40EM12063M	12	42	63	50	BSS03M023	1	6MM
428	BT40EM14063M	14	44	63	50	BSS03M023	1	6MM
431	BT40EM16063M	16	48	63	53	BSS03M025	1	6MM
438	BT40EM18063M	18	50	63	53	BSS03M025	1	6MM
439	BT40EM20063M	20	52	63	55	BSS03M026	1	8MM
454	BT40EM25090M	25	65	90	60	BSS03M027	2	10MM
466	BT40EM32110M	32	72	110	65	BSS03M029	2	10MM

G2.5 - 20,000 RPM

מחזיק BT40 לכרסום מצח

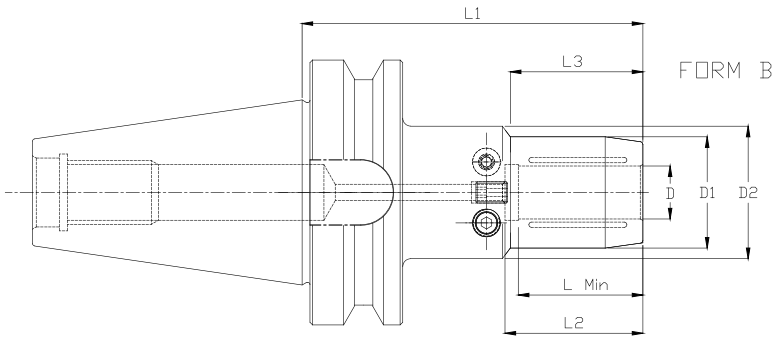


Shell Mill Adapters - Metric

BPT	תאור פריט	FIG	D1	D2	D3	L	G1	Lock Screw	Wrench	Drive Key
569	BT40SM16050M	1	16	44	-	50	-	BMS1294	6 mm	BKDK16M
572	BT40SM16100M	1	16	44	-	100	-	BMS1294	6 mm	BKDK16M
573	BT40SM16150M	1	16	44	-	150	-	BMS1294	6 mm	BKDK16M
576	BT40SM22055M	1	22	48	-	55	-	BMS1234	8 mm	BKDK22M
580	BT40SM22100M	1	22	48	-	100	-	BMS1234	8 mm	BKDK22M
584	BT40SM22160M	1	22	48	-	160	-	BMS1234	8 mm	BKDK22M
586	BT40SM22200M	1	22	48	-	200	-	BMS1234	8 mm	BKDK22M
597	BT40SM27060M	2	27	60	-	60	-	10010120025	10mm	BKDK27M
600	BT40SM27100M	2	27	60	-	100	-	10010120025	10mm	BKDK27M
604	BT40SM27160M	2	27	60	-	160	-	10010120025	10mm	BKDK27M
606	BT40SM27200M	2	27	60	-	200	-	10010120025	10mm	BKDK27M
607	BT40SM27250M	2	27	60	-	250	-	10010120025	10mm	BKDK27M
608	BT40SM27300M	2	27	60	-	300	-	10010120025	10mm	BKDK27M
611	BT40SM32060M	2	32	78	-	60	-	BKLS32M	14mm	BKDK32M
614	BT40SM32100M	2	32	78	-	100	-	BKLS32M	14mm	BKDK32M
621	BT40SM40060M	2	40	89.3	66.7	60	M 12-1.756H	BKLS40M	17mm	BKDK40M
622	BT40SM40100M	2	40	89.3	66.7	100	M 12-1.756H	BKLS40M	17mm	BKDK40M

G2.5 - 20,000 RPM

מחזיק BT40 הידראולי



Hydraulic Chucks - Metric

BPT	תאור פריט	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw
5066	BT40SHYD06080MO	6	26	49	80	38	24	23	SHYDC-1010	CSS-0510M
5067	BT40SHYD08080MO	8	28	49	80	38	24	24	SHYDC-1010	CSS-0510M
5068	BT40SHYD10080MO	10	30	49	80	40	26	30	SHYDC-1010	CSS-0612M
5069	BT40SHYD12090MO	12	32	49	90	45	40	36	SHYDC-1010	CSS-0615M
5070	BT40SHYD14090MO	14	34	49	90	45	40	40	SHYDC-1010	CSS-0812M
5071	BT40SHYD16090MO	16	38	49	90	50	46	40	SHYDC-1010	CSS-0812M
5072	BT40SHYD18095MO	18	40	49	95	52	50	43	SHYDC-1010	CSS-0815M
5073	BT40SHYD20095MO	20	42	49	95	52	50	43	SHYDC-1010	CSS-0815M
5074	BT40SHYD25105MO	25	53	–	105	59	–	46	SHYDC-1010	CSS-1015M
5075	BT40SHYD32110MO	32	60	–	110	60	–	51	SHYDC-1010	CSS-1015M

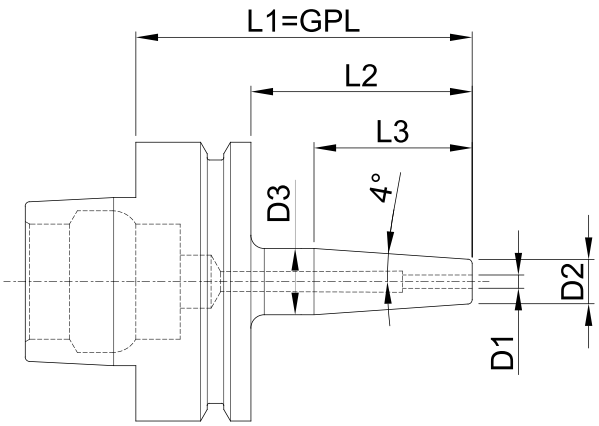


מחזיק צילינדר ST לתפסנית

ER40	ER32	ER25	ER20	ER16	ER11	ER8
ER40-32x70	ER32-25x70	ER25-20x100	ER20-16x100	ER16-12x80	ER11-D8x55	ER8-D5x45
ER40-32x100	ER32-25x100	ER25-20x160	ER20-16x130	ER16-16x80	ER11-D10x100	ER8-D6x45
ER40-40x80	ER32-25x130	ER25-20x200	ER20-20x100	ER16-16x100	ER11-D12x70	ER8-D8x80
ER40-40x130	ER32-25x160	ER25-25x260	ER20-20x160	ER16-16x130	ER11-D12x100	ER8-D8x100
ER40-40x160	ER32-32x70		ER20-20x200	ER16-16x160	ER11-D12x140	ER8-Dx130
	ER32-32x100		ER20-25x160	ER16-16x200	ER11-D16x60	ER8-D10x100
	ER32-32x130			ER16-20x100	ER11-D16x100	ER8-D12x100
	ER32-40x80			ER16-20x130	ER11-D16x130	ER8-12x130
	ER32-40x160			ER16-20x160	ER11-D16x160	ER8-12x160
				ER16-20x200	ER11-D16x200	ER8-D12x200
				ER16-20x270	ER11-D16x250	
				ER16-20x300	ER11-D16x300	

מחזיק HSK63A שרינק - דגם צר 4°

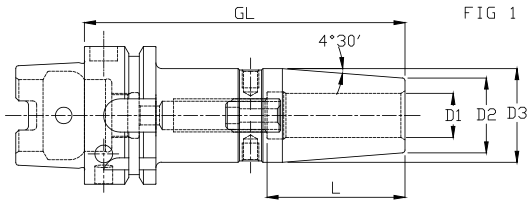
G2.5 - 20,000 RPM

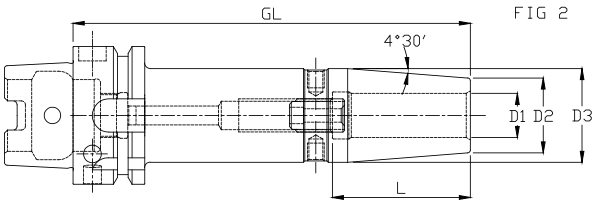


BPT	תאור פריט	D1	D2	D3	L1=GPL	L2	L3
80	*HSK63ASFSL03076M-D4	3	10	15	76	50	31.88
3117	*HSK63ASFSL03111M-D4	3	10	19	111	85	64.35
81	*HSK63ASFSL04076M-D4	4	10	15	76	50	35.75
3118	*HSK63ASFSL04111M-D4	4	10	19	111	85	64.35
82	HSK63ASFSL05076M-D4	5	10	15	76	50	35.75
3119	HSK63ASFSL05111M-D4	5	10	19	111	85	64.35
83	HSK63ASFSL06076M-D4	6	11	16	76	50	35.75
3120	HSK63ASFSL06111M-D4	6	11	20	111	85	64.35
127	HSK63ASFSL06130M-D4	6	12	19	130	104	50.05
128	HSK63ASFSL06160M-D4	6	12	19	160	134	50.05
84	HSK63ASFSL08076M-D4	8	14	20	76	50	42.9
3121	HSK63ASFSL08111M-D4	8	14	23	111	85	64.35
130	HSK63ASFSL08130M-D4	8	14	21	130	104	50.05
131	HSK63ASFSL08160M-D4	8	14	21	160	134	50.05
85	HSK63ASFSL10076M-D4	10	16	22	76	50	42.9
3122	HSK63ASFSL10111M-D4	10	16	24.5	111	85	60.78
133	HSK63ASFSL10130M-D4	10	16	23	130	104	50.05
134	HSK63ASFSL10160M-D4	10	16	23	160	134	50.05
86	HSK63ASFSL12076M-D4	12	20	26	76	50	42.9
3123	HSK63ASFSL12111M-D4	12	20	28	111	85	57.2
136	HSK63ASFSL12130M-D4	12	18	25	130	104	50.05
137	HSK63ASFSL12160M-D4	12	18	25	160	134	50.05

G2.5 - 20,000 RPM

מחזיק HSK63A שרינק 4.5°





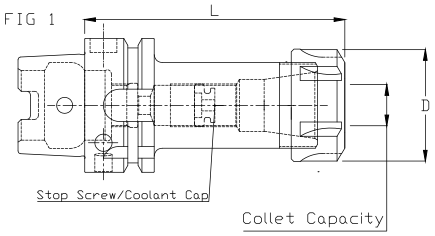
BSF-HSK From A - Metric

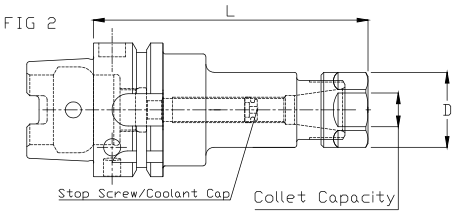
BPT	תאור פריט	FIG	D1	D2	D3	GL	L	Stop Screw	Wrench Size
1942	HSK63ASF03080M	1	3	9	15	80	9	-	-
1943	HSK63ASF04080M	1	4	9	15	80	12	-	-
1944	HSK63ASF05080M	1	5	9	15	80	15	-	-
1945	HSK63ASF06080M	1	6	21	27	80	36	BCSS0510M	2.5mm
1946	HSK63ASF06130M	2	6	21	27	130	36	BCSS0510M	2.5mm
1947	HSK63ASF06160M	2	6	21	27	160	36	BCSS0510M	2.5mm
1949	HSK63ASF08080M	1	8	21	27	80	36	BCSS0615M	3mm
1951	HSK63ASF08130M	2	8	21	27	130	36	BCSS0615M	3mm
1952	HSK63ASF08160M	2	8	21	27	160	36	BCSS0615M	3mm
1955	HSK63ASF10085M	1	10	24	32	85	42	BCSS0815M	4mm
1957	HSK63ASF10130M	2	10	24	32	130	42	BCSS0815M	4mm
1958	HSK63ASF10160M	2	10	24	32	160	42	BCSS0815M	4mm
1959	HSK63ASF12090M	1	12	24	32	90	47	BCSS1015M	5mm
1961	HSK63ASF12130M	2	12	24	32	130	47	BCSS1015M	5mm
1962	HSK63ASF12160M	2	12	24	32	90	47	BCSS1015M	5mm
1963	HSK63ASF14090M	2	14	27	34	90	47	BCSS1015M	5mm
1964	HSK63ASF14130M	2	14	27	34	130	47	BCSS1015M	5mm
1965	HSK63ASF14160M	2	14	27	34	160	47	BCSS1015M	5mm
1967	HSK63ASF16095M	1	16	27	34	95	50	BCSS1215M	6mm
1969	HSK63ASF16130M	2	16	27	34	130	50	BCSS1215M	6mm
1970	HSK63ASF16160M	2	16	27	34	160	50	BCSS1215M	6mm
1977	HSK63ASF20100M	1	20	33	42	130	52	BCSS1615M	8mm
1978	HSK63ASF20130M	2	20	33	42	130	52	BCSS1615M	8mm
1979	HSK63ASF20160M	2	20	33	42	160	52	BCSS1615M	8mm
1983	HSK63ASF25115M	1	25	44	53	115	57	BCSS2015M	10mm
1984	HSK63ASF25160M	2	25	44	53	160	57	BCSS2015M	10mm
1985	HSK63ASF32120M	1	32	44	53	120	61	BCSS2015M	10mm
1986	HSK63ASF32160M	2	32	44	53	160	61	BCSS2015M	10mm

G2.5 - 20,000 RPM

מחזיק HSK63A לתפסנית ER





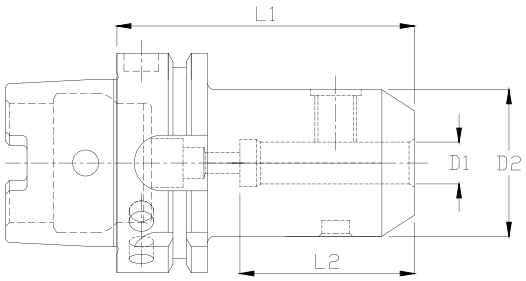


ER Collet Chucks

BPT	תאור פריט	Collet Series	Collet Cap Min.-Max.	Fig	D	L	Locknut	Wrench	Stop Screw
1888	HSK63AER11100M	11ER	1 - 7	1	19	70	LNHER11M	ER11WM	BSS044038G
1889	HSK63AER11M100M-Mini	11ER	1 - 7	1	19	100	LNHER11M	ER11WM	BSS044038G
1891	HSK63AER16080M	16ER	1 - 10	1	19	80	LNHER11M	ER11WBEM	BSS044038G
1892	HSK63AER16100M	16ER	1 - 10	2	28	100	LNHER16M	OEW25WM	BSS044038G
1893	HSK63AER16120M	16ER	1 - 10	1	28	120	LNHER16M	OEW25WM	BSS044038G
1895	HSK63AER16160M	16ER	1 - 10	2	28	160	LNHER16M	OEW25WM	BSS044038G
1897	HSK63AER16200M	16ER	1 - 10	2	28	200	LNHER16M	OEW25WM	BSS044038G
1900	HSK63AER16250M	16ER	1 - 10	2	28	250	LNHER16M	OEW25WM	BSS044038G
1901	HSK63AER16M100M-Mini	16ER	1 - 10	-	22	100	LNER16M-MINI	OEW25WM	BSS044038G
1902	HSK63AER16M160M-Mini	16ER	1 - 10	-	22	160	LNER16M-MINI	OEW25WM	BSS044038G
1898	HSK63AER16M200M-Mini	16ER	1 - 10	-	22	200	LNER16M-MINI	OEW25WM	BSS044038G
1904	HSK63AER20100M	20ER	1 - 13	2	34	100	LNHER20M	OEW30M	BSS056041G
1905	HSK63AER20120M	20ER	1 - 13	1	34	120	LNHER20M	OEW30M	BSS056041G
1906	HSK63AER20160M	20ER	1 - 13	1	34	160	LNHER20M	OEW30M	BSS056041G
1907	HSK63AER20200M	20ER	1 - 13	1	34	200	LNHER20M	OEW30M	BSS056041G
1910	HSK63AER25100M	25ER	3 - 16	1	42	100	LNER25M	ER25WM	BSS075041G
1913	HSK63AER25130M	25ER	4 - 16	2	42	130	LNER25M	ER25WM	BSS075041G
1914	HSK63AER25150M	25ER	5 - 16	2	42	150	LNER25M	ER25WM	BSS075041G
1917	HSK63AER25200M	25ER	6 - 16	2	42	80	LNER25M	ER25WM	BSS075041G
1918	HSK63AER32080M	32ER	3 - 20	2	42	100	LNER32M	ER25WM	BSS075041G
1920	HSK63AER32100M	32ER	3 - 20	2	50	100	LNER32M	ER32WM	BSS094041G
1922	HSK63AER32130M	32ER	3 - 20	2	50	130	LNER32M	ER32WM	BSS094041G
1923	HSK63AER32150M	32ER	3 - 20	2	50	150	LNER32M	ER32WM	BSS094041G
1926	HSK63AER32200M	32ER	3 - 20	2	50	200	LNER32M	ER32WM	BSS094041G
1930	HSK63AER40100M	40ER	4 – 26	2	63	100	LNER40M	ER40WM	BSS112041G
1931	HSK63AER40120M	40ER	4 – 26	2	63	120	LNER40M	ER40WM	BSS112041G
1932	HSK63AER40150M	40ER	4 – 26	2	63	150	LNER40M	ER40WM	BSS112041G
1933	HSK63AER40160M	40ER	4 – 26	2	63	160	LNER40M	ER40WM	BSS112041G
1934	HSK63AER50120M	50ER	5 – 26	2	63	120	LNER50M	-	133003882

G2.5 - 20,000 RPM

מחזיק HSK63A לכרסום אצבע EM

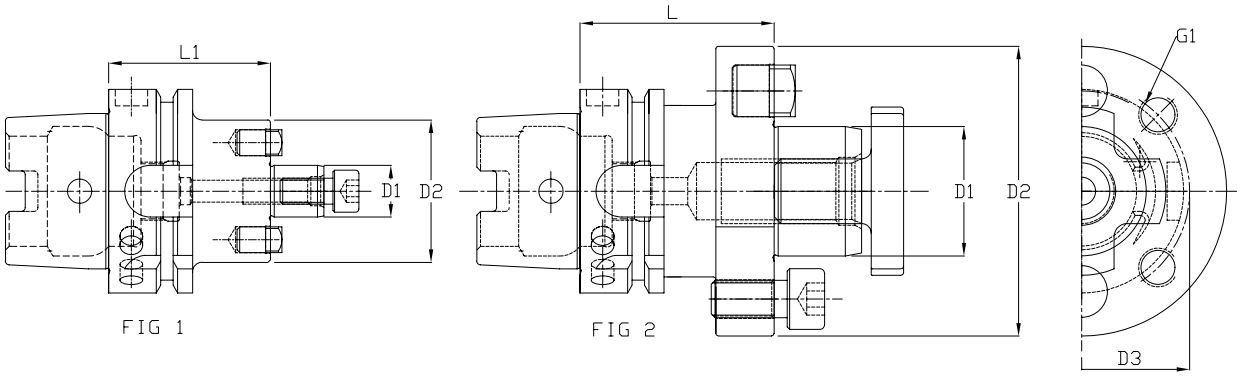


End Mill Adapters HSK - Metric

BPT	תאור פריט	D1	D2	L1	L2	Clamping Screw	No of Clamp Screw	Wrench Allen Key
1856	HSK63AEM06065M	6	25	65	43	BSS03M012	1	3mm
1858	HSK63AEM08065M	8	28	65	40	BSS03M014	1	4mm
1860	HSK63AEM10065M	10	35	65	41	BSS03M018	1	5mm
1862	HSK63AEM12080M	12	42	80	50	BSS03M023	1	6mm
1864	HSK63AEM14080M	14	44	80	50	BSS03M023	1	6mm
1865	HSK63AEM16080M	16	48	80	53	BSS03M025	1	6mm
1866	HSK63AEM16100M	16	48	100	53	BSS03M025	1	6mm
1867	HSK63AEM16170M	16	48	170	53	BSS03M025	1	6mm
1868	HSK63AEM18080M	18	50	80	53	BSS03M025	1	6mm
1869	HSK63AEM20080M	20	52	80	55	BSS03M026	1	8mm
1870	HSK63AEM20120M	20	52	120	55	BSS03M026	1	8mm
1873	HSK63AEM25100M	20	52	100	55	BSS03M026	1	10mm
1875	HSK63AEM25110M	25	65	110	60	BSS03M027	2	10mm
1876	HSK63AEM25160M	25	65	160	60	BSS03M027	2	10mm
1879	HSK63AEM32100M	25	65	100	60	BSS03M027	2	10mm
1881	HSK63AEM32110M	32	72	110	65	BSS03M029	2	10mm
1882	HSK63AEM32150M	32	72	150	65	BSS03M029	2	10mm
1885	HSK63AEM40100M	40	90	100	75	BSS03M032	2	10mm
1886	HSK63AEM40120M	40	90	120	75	BSS03M032	2	10mm
1887	HSK63AEM40160M	40	90	160	75	BSS03M032	2	10mm

G2.5 - 20,000 RPM

מחזיק HSK63A לכרסום מצח

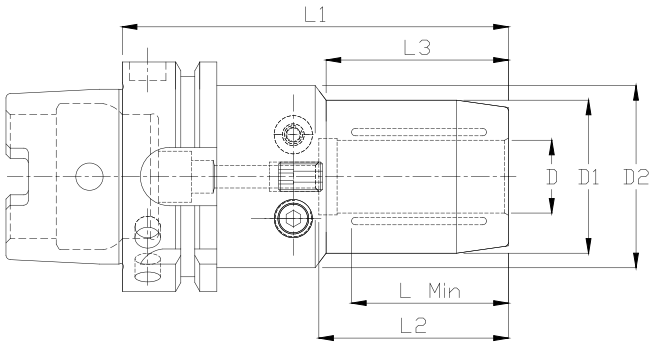


Shell Mill Adapters - Metric

BPT	תאור פריט	FIG	D1	D2	D3	L	G1	Lock Screw	Wrench	Drive Key
1988	HSK63ASM16050M	1	16	44	30	50	-	BMS1294	6 mm	BKDK16M
1991	HSK63ASM16100M	1	16	44	30	100	-	BMS1294	6 mm	BKDK16M
1993	HSK63ASM16160M	1	16	44	30	160	-	BMS1294	6 mm	BKDK16M
1994	HSK63ASM16200M	1	16	44	30	200	-	BMS1294	6 mm	BKDK16M
1996	HSK63ASM22050M	1	22	50	34	50	-	BMS1234	8 mm	BKDK22M
2002	HSK63ASM22100M	1	22	50	34	100	-	BMS1234	8 mm	BKDK22M
2006	HSK63ASM22160M	1	22	50	34	160	-	BMS1234	8 mm	BKDK22M
2010	HSK63ASM27060M	2	27	60	42	60	-	BKLS27M	BSMW27M	BKDK27M
2012	HSK63ASM27100M	2	27	60	42	100	-	BKLS27M	BSMW27M	BKDK27M
2017	HSK63ASM27150M	2	27	60	42	150	-	BKLS27M	BSMW27M	BKDK27M
2018	HSK63ASM27200M	2	27	60	42	200	-	BKLS27M	BSMW27M	BKDK27M
2019	HSK63ASM27250M	2	27	60	42	250	-	BKLS27M	BSMW27M	BKDK27M
2020	HSK63ASM32060M	2	32	78	52	60	-	BKLS32M	BSMW32M	BKDK32M
2021	HSK63ASM32090M	2	32	78	52	90	-	BKLS32M	BSMW32M	BKDK32M
2025	HSK63ASM32150M	2	32	78	52	150	-	BKLS32M	BSMW32M	BKDK32M
2026	HSK63ASM32200M	2	32	78	52	200	-	BKLS32M	BSMW32M	BKDK32M
2027	HSK63ASM40060M	2	40	89	62	60	M12-1.75 6H	BKLS40M	BSMW40M	BKDK40M
2028	HSK63ASM40080M	2	40	89	62	80	M12-1.75 6H	BKLS40M	BSMW40M	BKDK40M
2029	HSK63ASM40250M	2	40	89	62	250	M12-1.75 6H	BKLS40M	BSMW40M	BKDK40M

G2.5 - 20,000 RPM

מחזיק HSK63A הידראולי



Hydraulic Chucks - Metric

BPT	תאור פריט	D	D1	D2	L1	L2	L3	L Min.	Pressure Screw	Stop Screw
5076	HSK63ASHYD06080MO	6	26	49	80	38	24	23	HYDC-1010	CSS-0510M
5077	HSK63ASHYD06150MO	6	26	49	150	38	24	23	HYDC-1010	CSS-0510M
5078	HSK63ASHYD08080MO	8	28	49	80	38	24	24	HYDC-1010	CSS-0510M
5079	HSK63ASHYD08150MO	8	28	49	150	38	24	24	HYDC-1010	CSS-0510M
5080	HSK63ASHYD10085MO	10	30	49	85	40	26	30	HYDC-1010	CSS-0612M
5081	HSK63ASHYD10150MO	10	30	49	150	40	26	30	HYDC-1010	CSS-0612M
5082	HSK63ASHYD12090MO	12	32	49	90	45	40	36	HYDC-1010	CSS-0615M
5083	HSK63ASHYD12150MO	12	32	49	150	45	40	36	HYDC-1010	CSS-0615M
5084	HSK63ASHYD14090MO	14	34	49	90	45	40	36	HYDC-1010	CSS-0812M
5085	HSK63ASHYD14150MO	14	34	49	150	45	40	36	HYDC-1010	CSS-0812M
5086	HSK63ASHYD16095MO	16	38	49	95	50	46	40	HYDC-1010	CSS-0812M
5087	HSK63ASHYD16150MO	16	38	49	150	50	46	40	HYDC-1010	CSS-0812M
5088	HSK63ASHYD18095MO	18	40	49	95	52	50	40	HYDC-1010	CSS-0815M
5089	HSK63ASHYD18150MO	18	40	49	150	52	50	40	HYDC-1010	CSS-0815M
5090	HSK63ASHYD20100MO	20	42	49	100	52	50	43	HYDC-1010	CSS-0815M
5091	HSK63ASHYD20150MO	20	42	49	150	52	50	43	HYDC-1010	CSS-0815M
5092	HSK63ASHYD25105MO	25	53	-	105	59	-	43	HYDC-1010	CSS-1015M
5093	HSK63ASHYD25120MO	25	53	-	120	59	-	43	HYDC-1010	CSS-1015M
5094	HSK63ASHYD32125MO	32	60	-	125	60	-	46	HYDC-1010	CSS-1015M

תפסניות ER

ER40	ER32	ER25	ER20	ER16	ER11	ER8	מידה
			1025811	1125005	1025778	1025749	1
				1295604	1025779	1025750	1.5
		1125486	1025812	1123683	1025780	1025751	2
				1126832	1025781	1025752	2.5
1127120	1125478	1123793	1025813	1136014	1025782	1025753	3
				1108458	1025783	1025774	3.5
1128808	1123753	1123892	1025834	1123978	1025804	1025775	4
				1110558	1025805	1025776	4.5
	1123901	1135954	1025835	1107148	1025806	1025777	5
				1110557	1025807		5.5
1127102	1106008	1135935	1025836	1123829	1025808		6
				1108459	1025809		6.5
1127094	1105988	1123871	1025837	1123759	1025810		7
				1110559			7.5
1123939	1084750	1135918	1025838	1123945			8
				1154644			8.5
1136034	1123722	1135885	1025839	1123931			9
				1154645			9.5
1123786	1123865	1123690	1025840	1123730			10
1129723	1084749	1135945	1025841				11
1128825	1123840	1135900	1025842				12
1128832	1093519	1135972	1025843				13
1130414	1125471	1126258					14
1128237	1124997	1131214					15
1127868	1105989	1135962					16
1130406	1125453						17
1123699	1123909						18
1127110	1123879						19
1123924	1123833						20
1123738							21
1130401							22
1123671							23
1130133							24
1123951							25
1123885							26

סט תפסניות ER



BPT	סט תפסניות	כמות בסט	טווח
-	ER8	9	1-5
2918	ER11	13	1-7
2941	ER16	10	1-10
2957	ER20	12	2-13
2981	ER25	15	2-16
3002	ER32	18	3-20
3029	ER40	23	4-26

משחות קירור ואביזרים משלימים

משחת קירור למקדחים חלולים

60 1157 | 750 g

60 1159 | 125 g



כמות	משקל	מק"ט
1 יח'	750 גר'	60 1157
1 יח'	125 גר'	60 1159

וקס קירור לקידוח, תברוז, ניסור וכרסום 350 גר'

60 1200



כמות	משקל	מק"ט
1 יח'	350 גר'	60 1200

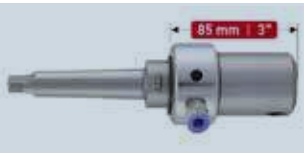
מוט מגנטי לפינוי שבבים

21 0001



מחזיק MT עם מעבר לנוזל קירור

20 1287 | קונוס MT2



20 1289 | קונוס MT3

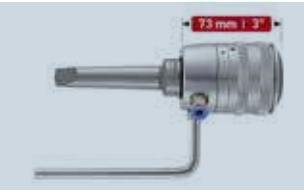


20 1310 | קונוס MT4

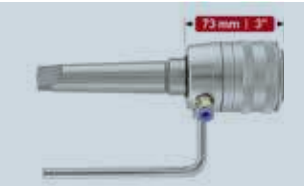


מחזיק MT החלפה מהירה
ציפוי כרום דוחה לכלוך ואבק עם מעבר לנוזל קירור

20 1303 | קונוס MT2



20 1307 | קונוס MT3



מתאם קנה 32 מ"מ ל- 19 מ"מ

20 1386 | Ø 61-150 mm



מתאם למקדחה FEIN

20 1263 | Ø 12-17 mm



מאריך 75 מ"מ לקנה 3/4

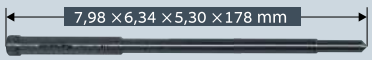
20 1402



20 1396 | פין למקדח חלול לעומק 30 מ"מ



20 1411 | פין למקדח חלול לעומק 55 מ"מ



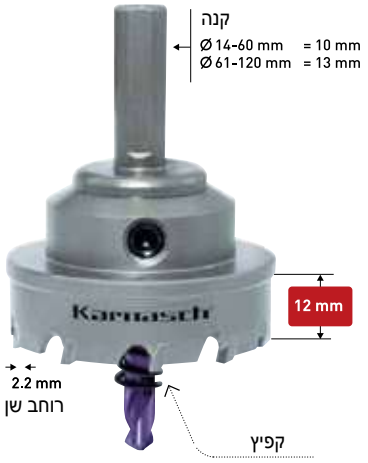
מתאם לפוטר 3/4-B16

20 1384



מקדח כוס לנירוסטה

20 1010 POWER-MAX HEAVY-DUTY 10



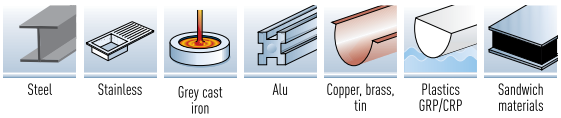
מקדח כוס עם לוחיות מתק״ש לנירוסטה לעומק 12 מ״מ

קוטר	מק״ט	קוטר	מק״ט	קוטר	מק״ט
60.5	2010100605	35	201010035	14	201010014
61	201010061	36	201010036	14.5	2010100145
62	201010062	37	201010037	15	201010015
63	201010063	38	201010038	16	201010016
64	201010064	38.5	2010100385	16.5	2010100165
65	201010065	39	201010039	17	201010017
66	201010066	40	201010040	18	201010018
67	201010067	40.5	2010100405	18.5	2010100185
68	201010068	41	201010041	19	201010019
69	201010069	42	201010042	20	201010020
70	201010070	43	201010043	20.5	2010100205
71	201010071	44	201010044	21	201010021
72	201010072	45	201010045	22	201010022
73	201010073	46	201010046	23	201010023
74	201010074	47	201010047	23.5	2010100235
75	201010075	48	201010048	24	201010024
76	201010076	49	201010049	25	201010025
77	201010077	50	201010050	25.5	2010100255
78	201010078	50.5	2010100505	26	201010026
79	201010079	51	201010051	27	201010027
80	201010080	52	201010052	28	201010028
85	201010085	53	201010053	29	201010029
90	201010090	54	201010054	30	201010030
95	201010095	55	201010055	30.5	2010100305
100	201010100	56	201010056	31	201010031
105	201010105	57	201010057	32	201010032
110	201010110	58	201010058	32.5	2010100325
115	201010115	59	201010059	33	201010033
120	201010120	60	201010060	34	201010034

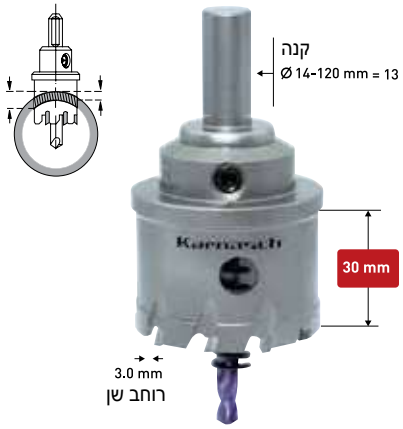
מקדח לקוטר 14-60 מק״ט: 201114.

המלצות יצרן:
אידיאלי לקידוח פחים באופן ידני עד 6 מ״מ, במכונה עד 12 מ״מ.

20 1015 POWER-MAX HEAVY-DUTY 20



< 1400 N > 900 N > 10% Si



מקדח כוס עם לוחיות מתק״ש לנירוסטה לעומק 30 מ״מ

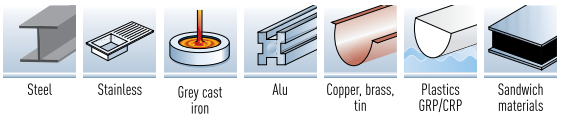
קוטר	מק״ט	קוטר	מק״ט	קוטר	מק״ט
60	20 1015 060	37	20 1015 037	14	20 1015 014
61	20 1015 061	38	20 1015 038	15	20 1015 015
62	20 1015 062	39	20 1015 039	16	20 1015 016
63	20 1015 063	40	20 1015 040	17	20 1015 017
64	20 1015 064	41	20 1015 041	18	20 1015 018
65	20 1015 065	42	20 1015 042	19	20 1015 019
66	20 1015 066	43	20 1015 043	20	20 1015 020
67	20 1015 067	44	20 1015 044	21	20 1015 021
68	20 1015 068	45	20 1015 045	22	20 1015 022
69	20 1015 069	46	20 1015 046	23	20 1015 023
70	20 1015 070	47	20 1015 047	24	20 1015 024
75	20 1015 075	48	20 1015 048	25	20 1015 025
76	20 1015 076	49	20 1015 049	26	20 1015 026
78	20 1015 078	50	20 1015 050	27	20 1015 027
80	20 1015 080	51	20 1015 051	28	20 1015 028
85	20 1015 085	52	20 1015 052	29	20 1015 029
90	20 1015 090	53	20 1015 053	30	20 1015 030
95	20 1015 095	54	20 1015 054	31	20 1015 031
100	20 1015 100	55	20 1015 055	32	20 1015 032
105	20 1015 105	56	20 1015 056	33	20 1015 033
110	20 1015 110	57	20 1015 057	34	20 1015 034
115	20 1015 115	58	20 1015 058	35	20 1015 035
120	20 1015 120	59	20 1015 059	36	20 1015 036

מקדח לקוטר 14-60 מק״ט: 201445.

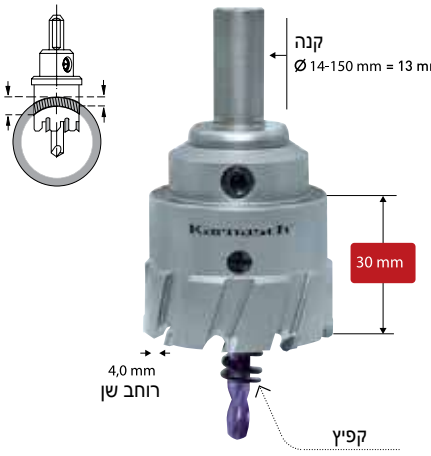
המלצות יצרן:
בקידוח ידני עד קוטר 100 מ״מ ועד עובי חומר 15 מ״מ.

מקדח כוס לנירוסטה

20 1130 POWER-MAX SUPER HEAVY-DUTY 30



< 1400 N > 900 N > 10% Si

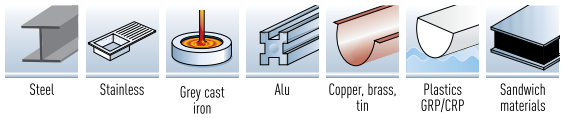


מקדח כוס עם לוחיות מתק״ש לנירוסטה וצינורות לעומק 30 מ״מ

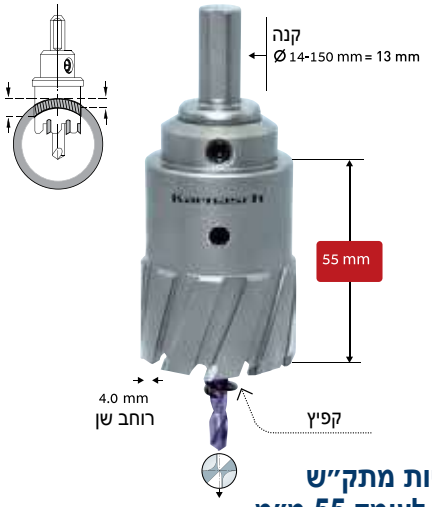
קוטר	מק״ט	קוטר	מק״ט	קוטר	מק״ט
14	20 1130 014	41	20 1130 041	76	20 1130 076
14.5	20 1130 0145	42	20 1130 042	77	20 1130 077
15	20 1130 015	43	20 1130 043	78	20 1130 078
16	20 1130 016	44	20 1130 044	79	20 1130 079
16.5	20 1130 0165	45	20 1130 045	80	20 1130 080
17	20 1130 017	46	20 1130 046	81	20 1130 081
18	20 1130 018	47	20 1130 047	82	20 1130 082
18.5	20 1130 0185	48	20 1130 048	83	20 1130 083
19	20 1130 019	49	20 1130 049	84	20 1130 084
20	20 1130 020	50	20 1130 050	85	20 1130 085
20.5	20 1130 0205	50.5	20 1130 0505	86	20 1130 086
21	20 1130 021	51	20 1130 051	87	20 1130 087
22	20 1130 022	52	20 1130 052	88	20 1130 088
22.5	20 1130 0225	53	20 1130 053	89	20 1130 089
23	20 1130 023	54	20 1130 054	90	20 1130 090
24	20 1130 024	55	20 1130 055	91	20 1130 091
25	20 1130 025	56	20 1130 056	92	20 1130 092
25.5	20 1130 0255	57	20 1130 057	93	20 1130 093
26	20 1130 026	58	20 1130 058	94	20 1130 094
27	20 1130 027	59	20 1130 059	95	20 1130 095
28	20 1130 028	60	20 1130 060	96	20 1130 096
29	20 1130 029	60.5	20 1130 0605	97	20 1130 097
30	20 1130 030	61	20 1130 061	98	20 1130 098
30.5	20 1130 0305	62	20 1130 062	99	20 1130 099
31	20 1130 031	63	20 1130 063	100	20 1130 100
32	20 1130 032	64	20 1130 064	105	20 1130 105
32.5	20 1130 0325	65	20 1130 065	110	20 1130 110
33	20 1130 033	66	20 1130 066	115	20 1130 115
34	20 1130 034	67	20 1130 067	120	20 1130 120
35	20 1130 035	68	20 1130 068	125	20 1130 125
36	20 1130 036	69	20 1130 069	130	20 1130 130
37	20 1130 037	70	20 1130 070	135	20 1130 135
38	20 1130 038	71	20 1130 071	140	20 1130 140
38.5	20 1130 0385	72	20 1130 072	145	20 1130 145
39	20 1130 039	73	20 1130 073	150	20 1130 150
40	20 1130 040	74	20 1130 074		
40.5	20 1130 0405	75	20 1130 075		

מקדח לקוטר 14-60 מק״ט: 201445

20 1141 POWER-MAX SUPER HEAVY-DUTY 55



< 1400 N > 900 N > 10% Si



מקדח כוס עם לוחיות מתק״ש לנירוסטה וצינורות לעומק 55 מ״מ

קוטר	מק״ט	קוטר	מק״ט	קוטר	מק״ט
14	20 1141 014	41	20 1141 041	68	20 1141 068
15	20 1141 015	42	20 1141 042	69	20 1141 069
16	20 1141 016	43	20 1141 043	70	20 1141 070
17	20 1141 017	44	20 1141 044	71	20 1141 071
18	20 1141 018	45	20 1141 045	72	20 1141 072
19	20 1141 019	46	20 1141 046	73	20 1141 073
20	20 1141 020	47	20 1141 047	74	20 1141 074
21	20 1141 021	48	20 1141 048	75	20 1141 075
22	20 1141 022	49	20 1141 049	76	20 1141 076
23	20 1141 023	50	20 1141 050	77	20 1141 077
24	20 1141 024	51	20 1141 051	78	20 1141 078
25	20 1141 025	52	20 1141 052	79	20 1141 079
26	20 1141 026	53	20 1141 053	80	20 1141 080
27	20 1141 027	54	20 1141 054	85	20 1141 085
28	20 1141 028	55	20 1141 055	90	20 1141 090
29	20 1141 029	56	20 1141 056	95	20 1141 095
30	20 1141 030	57	20 1141 057	100	20 1141 100
31	20 1141 031	58	20 1141 058	105	20 1141 105
32	20 1141 032	59	20 1141 059	110	20 1141 110
33	20 1141 033	60	20 1141 060	115	20 1141 115
34	20 1141 034	61	20 1141 061	120	20 1141 120
35	20 1141 035	62	20 1141 062	125	20 1141 125
36	20 1141 036	63	20 1141 063	130	20 1141 130
37	20 1141 037	64	20 1141 064	135	20 1141 135
38	20 1141 038	65	20 1141 065	140	20 1141 140
39	20 1141 039	66	20 1141 066	145	20 1141 145
40	20 1141 040	67	20 1141 067	150	20 1141 150

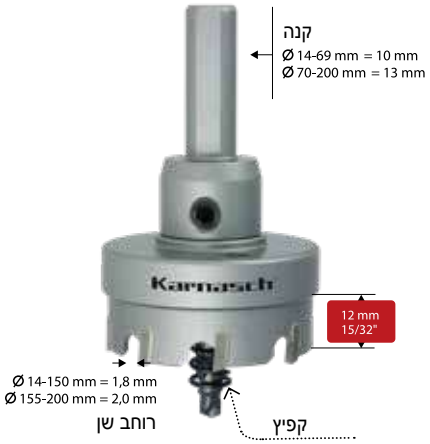
מקדח לקוטר 14-60 מק״ט: 201113

מקדחי כוס שן וידיה

20 1020 EASY-CUT 5



< 1400 N **> 900 N** **> 10% Si**



מקדח כוס עם לוחיות מתק"ש לנירוסטה לעומק 12 מ"מ

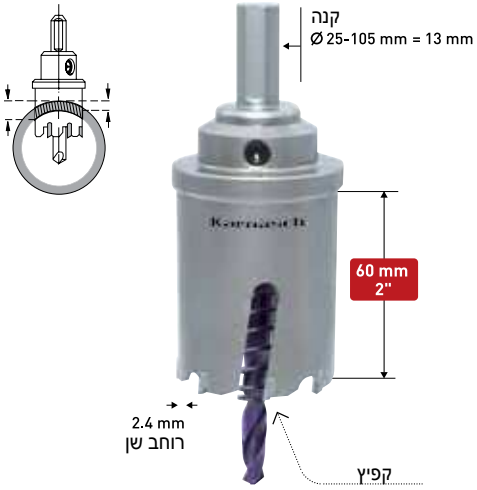
קוטר	מק"ט	קוטר	מק"ט	קוטר	מק"ט
14	20 1020 014	45	20 1020 045	76	20 1020 076
15	20 1020 015	46	20 1020 046	77	20 1020 077
16	20 1020 016	47	20 1020 047	78	20 1020 078
17	20 1020 017	48	20 1020 048	79	20 1020 079
18	20 1020 018	49	20 1020 049	80	20 1020 080
19	20 1020 019	50	20 1020 050	85	20 1020 085
20	20 1020 020	51	20 1020 051	90	20 1020 090
21	20 1020 021	52	20 1020 052	95	20 1020 095
22	20 1020 022	53	20 1020 053	100	20 1020 100
23	20 1020 023	54	20 1020 054	105	20 1020 105
24	20 1020 024	55	20 1020 055	110	20 1020 110
25	20 1020 025	56	20 1020 056	115	20 1020 115
26	20 1020 026	57	20 1020 057	120	20 1020 120
27	20 1020 027	58	20 1020 058	125	20 1020 125
28	20 1020 028	59	20 1020 059	130	20 1020 130
29	20 1020 029	60	20 1020 060	135	20 1020 135
30	20 1020 030	61	20 1020 061	140	20 1020 140
31	20 1020 031	62	20 1020 062	145	20 1020 145
32	20 1020 032	63	20 1020 063	150	20 1020 150
33	20 1020 033	64	20 1020 064	155	20 1020 155
34	20 1020 034	65	20 1020 065	160	20 1020 160
35	20 1020 035	66	20 1020 066	165	20 1020 165
36	20 1020 036	67	20 1020 067	170	20 1020 170
37	20 1020 037	68	20 1020 068	175	20 1020 175
38	20 1020 038	69	20 1020 069	180	20 1020 180
39	20 1020 039	70	20 1020 070	185	20 1020 185
40	20 1020 040	71	20 1020 071	190	20 1020 190
41	20 1020 041	72	20 1020 072	195	20 1020 195
42	20 1020 042	73	20 1020 073	200	20 1020 200
43	20 1020 043	74	20 1020 074		
44	20 1020 044	75	20 1020 075		

מקדח לקוטר 14-150 מק"ט: 201114

אידיאלי לקידוח פחים עד 3 מ"מ.

20 1121 POWER-MAX ALLROUND 60



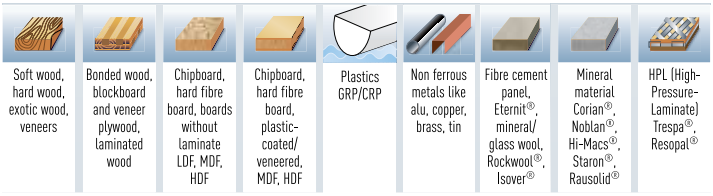


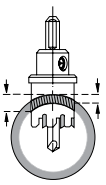
מקדח כוס לעומק 60 מ"מ, שן וידיה מתאים לעץ, פלסטיק, צמנט בורד ו- HPL

קוטר	מק"ט	קוטר	מק"ט
25	20 1121 025	70	20 1121 070
30	20 1121 030	71	20 1121 071
35	20 1121 035	74	20 1121 074
40	20 1121 040	75	20 1121 075
45	20 1121 045	76	20 1121 076
50	20 1121 050	78	20 1121 078
55	20 1121 055	80	20 1121 080
58	20 1121 058	85	20 1121 085
60	20 1121 060	90	20 1121 090
63	20 1121 063	95	20 1121 095
65	20 1121 065	100	20 1121 100
68	20 1121 068	105	20 1121 105

מקדח כוס שן וידיה לשימוש כללי, עומק 60 מ״מ

20 1150 ALLROUND ECO 60







מק״ט	קוטר
20 1150 019	19
20 1150 022	22
20 1150 025	25
20 1150 027	27
20 1150 030	30
20 1150 032	32

מק״ט	קוטר
20 1150 035	35
20 1150 038	38
20 1150 040	40
20 1150 044	44
20 1150 051	51
20 1150 054	54

מק״ט	קוטר
20 1150 057	57
20 1150 060	60
20 1150 064	64
20 1150 068	68
20 1150 070	70
20 1150 073	73

מק״ט	קוטר
20 1150 076	76
20 1150 079	79
20 1150 083	83
20 1150 089	89
20 1150 092	92
20 1150 095	95

מק״ט	קוטר
20 1150 102	102
20 1150 108	108
20 1150 114	114
20 1150 121	121
20 1150 127	127

20 1167 Ø 19-37 mm

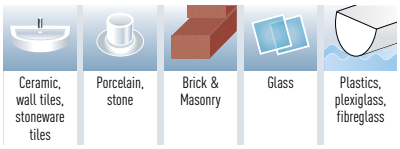


20 1159 Ø 38-127 mm



מקדח כוס יהלום

21 1500 DIAMOND GRIT





מק״ט	קוטר
21 1500 014	14
21 1500 016	16
21 1500 018	18
21 1500 019	19
21 1500 020	20
21 1500 021	21
21 1500 022	22
21 1500 024	24
21 1500 025	25
21 1500 027	27
21 1500 028	28
21 1500 029	29

מק״ט	קוטר
21 1500 030	30
21 1500 032	32
21 1500 033	33
21 1500 035	35
21 1500 037	37
21 1500 038	38
21 1500 040	40
21 1500 041	41
21 1500 043	43
21 1500 044	44
21 1500 045	45
21 1500 046	46

מק״ט	קוטר
21 1500 048	48
21 1500 050	50
21 1500 051	51
21 1500 052	52
21 1500 054	54
21 1500 055	55
21 1500 057	57
21 1500 059	59
21 1500 060	60
21 1500 064	64
21 1500 065	65
21 1500 067	67

מק״ט	קוטר
21 1500 068	68
21 1500 070	70
21 1500 073	73
21 1500 076	76
21 1500 079	79
21 1500 083	83
21 1500 086	86
21 1500 089	89
21 1500 092	92
21 1500 095	95
21 1500 098	98
21 1500 102	102

מק״ט	קוטר
21 1500 105	105
21 1500 108	108
21 1500 111	111
21 1500 114	114
21 1500 121	121
21 1500 127	127
21 1500 133	133
21 1500 140	140
21 1500 146	146
21 1500 152	152

21 0026 Ø 14-30 mm

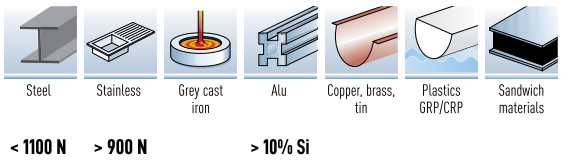


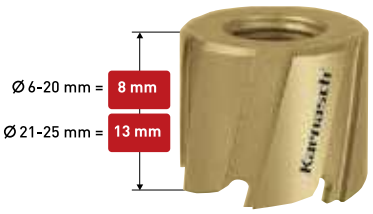
21 0027 Ø 32-152 mm



מקדח כוס מיני-קאט

21 1000 MINI-CUT





עומק קידוח מקסימלי למידות 6-20 מ״מ 7 מ״מ.

עומק קידוח מקסימלי למידות 21-25 מ״מ 12 מ״מ.

מק״ט	קוטר
211000006	6
211000007	7
211000008	8
211000009	9
211000010	10
211000011	11

מק״ט	קוטר
211000012	12
211000013	13
211000014	14
211000015	15
211000016	16
211000017	17

מק״ט	קוטר
211000018	18
211000019	19
211000020	20
211000021	21
211000022	22
211000023	23

מק״ט	קוטר
211000024	24
211000025	25

21 0002

מובילים למקדח מיני



מוביל למידות 6-20 מ״מ

21 0003



מוביל למידות 21-25 מ״מ

21 2000



סט כוסות מיני

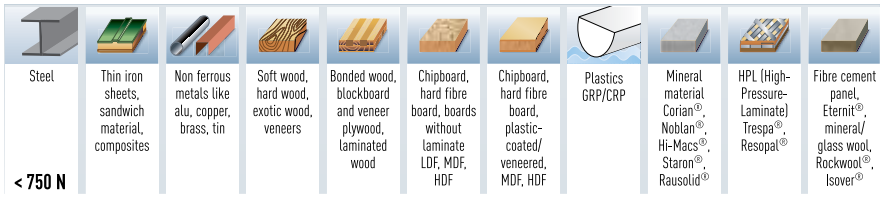
כוסות במידות 6-25 מ״מ (20 כוסות)

מוביל לכוסות	Ø6-20
מוביל לכוסות	Ø21-25
פין תואם למוביל	Ø6-20
פין תואם למוביל	Ø21-25
מפתח אל	
מדגש	

BI-METALL

מסור כוס 8% קובלט

20 1500 | BI-METALL COBALT 8%





מק"ט	קוטר
20 1500 014	14
20 1500 016	16
20 1500 017	17
20 1500 019	19
20 1500 020	20
20 1500 021	21
20 1500 022	22
20 1500 024	24
20 1500 025	25
20 1500 027	27
20 1500 028	28
20 1500 029	29
20 1500 030	30
20 1500 032	32
20 1500 033	33

מק"ט	קוטר
20 1500 035	35
20 1500 037	37
20 1500 038	38
20 1500 040	40
20 1500 041	41
20 1500 043	43
20 1500 044	44
20 1500 045	45
20 1500 046	46
20 1500 048	48
20 1500 050	50
20 1500 051	51
20 1500 052	52
20 1500 054	54
20 1500 055	55

מק"ט	קוטר
20 1500 057	57
20 1500 059	59
20 1500 060	60
20 1500 064	64
20 1500 065	65
20 1500 067	67
20 1500 068	68
20 1500 070	70
20 1500 073	73
20 1500 075	75
20 1500 076	76
20 1500 079	79
20 1500 080	80
20 1500 083	83
20 1500 086	86

מק"ט	קוטר
20 1500 089	89
20 1500 092	92
20 1500 095	95
20 1500 098	98
20 1500 100	100
20 1500 102	102
20 1500 105	105
20 1500 108	108
20 1500 111	111
20 1500 114	114
20 1500 121	121
20 1500 127	127
20 1500 133	133
20 1500 140	140
20 1500 146	146

מק"ט	קוטר
20 1500 152	89
20 1500 160	92
20 1500 168	168
20 1500 177	177
20 1500 200	200
20 1500 210	210
20 1500 220	220
20 1500 233	233
20 1500 250	250
20 1500 260	260
20 1500 265	265
20 1500 279	279
20 1500 305	305

20 1500 | BI-METALL COBALT 8%



סט חשמלאים 20 1501

Ø 22, 29, 35, 44, 51, 64, 68 mm



סט אוניברסלי 20 1504

Ø 16, 19, 22, 29, 35, 44, 52, 57, 67 mm



סט שימוש כללי 20 1502

Ø 19, 22, 29, 35, 38, 44, 51, 57, 64 mm



סט פרופי 20 1519

Ø 16, 19, 22, 25, 29, 32, 35, 38, 44, 51, 64, 76 mm



סט חשמל אינסטלציה 20 1516

Ø 16, 19, 20, 22, 29, 35, 38, 40, 44, 51, 57, 65, 68 mm

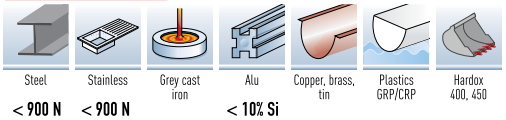


סט רויאל 20 1520

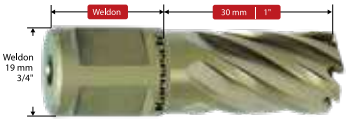
Ø 16, 19, 20, 22, 24, 25, 27, 29, 30, 32, 35, 38, 40, 44, 51, 57, 60, 68, 76 mm

מקדחים חלולים HSS-XE

20 1260U GOLD-DRILL LINE 30



< 900 N < 900 N < 10% Si



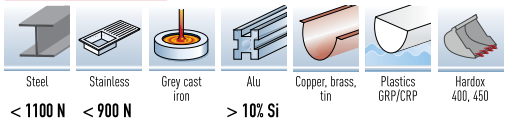
מקדח חלול HSS-XE לעומק 30 מ״מ

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1260u 012	12	20 1260u 026	26	20 1260u 043	43
20 1260u 013	13	20 1260u 0265	26.5	20 1260u 044	44
20 1260u 0135	13.5	20 1260u 027	27	20 1260u 045	45
20 1260u 014	14	20 1260u 028	28	20 1260u 046	46
20 1260u 015	15	20 1260u 029	29	20 1260u 047	47
20 1260u 0155	15.5	20 1260u 030	30	20 1260u 048	48
20 1260u 016	16	20 1260u 031	31	20 1260u 049	49
20 1260u 017	17	20 1260u 032	32	20 1260u 050	50
20 1260u 0175	17.5	20 1260u 033	33	20 1260u 051	51
20 1260u 018	18	20 1260u 034	34	20 1260u 052	52
20 1260u 019	19	20 1260u 035	35	20 1260u 053	53
20 1260u 0195	19.5	20 1260u 036	36	20 1260u 054	54
20 1260u 020	20	20 1260u 037	37	20 1260u 055	55
20 1260u 021	21	20 1260u 038	38	20 1260u 056	56
20 1260u 022	22	20 1260u 039	39	20 1260u 057	57
20 1260u 023	23	20 1260u 040	40	20 1260u 058	58
20 1260u 024	24	20 1260u 041	41	20 1260u 059	59
20 1260u 025	25	20 1260u 042	42	20 1260u 060	60

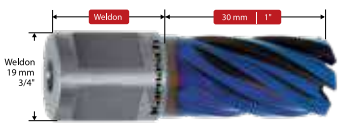
20 1261 — פין חליצה - 2 יח'



20 1312 BLUE-DRILL LINE 30



< 1100 N < 900 N > 10% Si



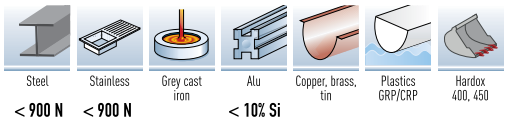
מקדח חלול DURABLUE לעומק 30 מ״מ

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1312 012	12	20 1312 030	30	20 1312 048	48
20 1312 013	13	20 1312 031	31	20 1312 049	49
20 1312 014	14	20 1312 032	32	20 1312 050	50
20 1312 015	15	20 1312 033	33	20 1312 051	51
20 1312 016	16	20 1312 034	34	20 1312 052	52
20 1312 017	17	20 1312 035	35	20 1312 053	53
20 1312 018	18	20 1312 036	36	20 1312 054	54
20 1312 019	19	20 1312 037	37	20 1312 055	55
20 1312 020	20	20 1312 038	38	20 1312 056	56
20 1312 021	21	20 1312 039	39	20 1312 057	57
20 1312 022	22	20 1312 040	40	20 1312 058	58
20 1312 023	23	20 1312 041	41	20 1312 059	59
20 1312 024	24	20 1312 042	42	20 1312 060	60
20 1312 025	25	20 1312 043	43	20 1312 061	61
20 1312 026	26	20 1312 044	44	20 1312 062	62
20 1312 027	27	20 1312 045	45	20 1312 063	63
20 1312 028	28	20 1312 046	46	20 1312 064	64
20 1312 029	29	20 1312 047	47		

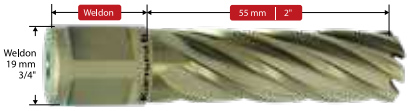
20 1261 — פין חליצה - 2 יח'



20 1270U GOLD-DRILL LINE 55



< 900 N < 900 N < 10% Si



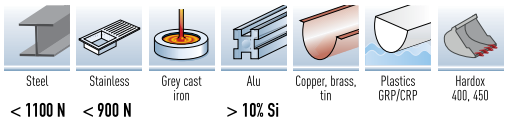
מקדח חלול HSS-XE לעומק 55 מ״מ

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1270u 012	12	20 1270u 026	26	20 1270u 043	43
20 1270u 013	13	20 1270u 0265	26.5	20 1270u 044	44
20 1270u 0135	13.5	20 1270u 027	27	20 1270u 045	45
20 1270u 014	14	20 1270u 028	28	20 1270u 046	46
20 1270u 015	15	20 1270u 029	29	20 1270u 047	47
20 1270u 0155	15.5	20 1270u 030	30	20 1270u 048	48
20 1270u 016	16	20 1270u 031	31	20 1270u 049	49
20 1270u 017	17	20 1270u 032	32	20 1270u 050	50
20 1270u 0175	17.5	20 1270u 033	33	20 1270u 051	51
20 1270u 018	18	20 1270u 034	34	20 1270u 052	52
20 1270u 019	19	20 1270u 035	35	20 1270u 053	53
20 1270u 0195	19.5	20 1270u 036	36	20 1270u 054	54
20 1270u 020	20	20 1270u 037	37	20 1270u 055	55
20 1270u 021	21	20 1270u 038	38	20 1270u 056	56
20 1270u 022	22	20 1270u 039	39	20 1270u 057	57
20 1270u 023	23	20 1270u 040	40	20 1270u 058	58
20 1270u 024	24	20 1270u 041	41	20 1270u 059	59
20 1270u 025	25	20 1270u 042	42	20 1270u 060	60

20 1271 — פין חליצה - 2 יח'



20 1313 BLUE-DRILL LINE 55



< 1100 N < 900 N > 10% Si



מקדח חלול DURABLUE לעומק 55 מ״מ

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1313 012	12	20 1313 029	29	20 1313 044	44
20 1313 013	13	20 1313 030	30	20 1313 045	45
20 1313 014	14	20 1313 031	31	20 1313 046	46
20 1313 015	15	20 1313 032	32	20 1313 047	47
20 1313 016	16	20 1313 033	33	20 1313 048	48
20 1313 017	17	20 1313 034	34	20 1313 049	49
20 1313 018	18	20 1313 035	35	20 1313 050	50
20 1313 019	19	20 1313 036	36	20 1313 051	51
20 1313 020	20	20 1313 037	37	20 1313 052	52
20 1313 021	21	20 1313 038	38	20 1313 053	53
20 1313 022	22	20 1313 039	39	20 1313 054	54
20 1313 023	23	20 1313 038	38	20 1313 055	55
20 1313 024	24	20 1313 039	39	20 1313 056	56
20 1313 025	25	20 1313 040	40	20 1313 057	57
20 1313 026	26	20 1313 041	41	20 1313 058	58
20 1313 027	27	20 1313 042	42	20 1313 059	59
20 1313 028	28	20 1313 043	43	20 1313 060	60

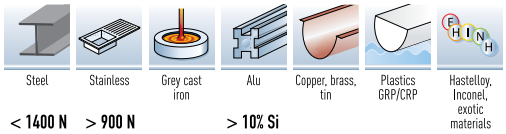
* ניתן להזמין גם בקטרים 50-18 מ״מ לעומקי קידוח 80 מ״מ ו- 110 מ״מ

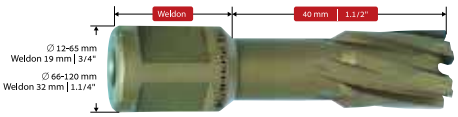
20 1271 — פין חליצה - 2 יח'



מקדחים חלולים שן וידיה

20 1315 HARD-LINE 40

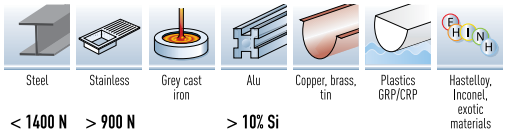


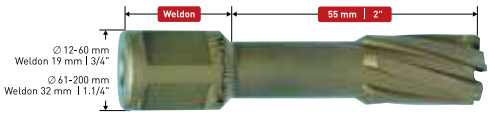


מקדח חלול שיני וידיה לעומק 40 מ״מ

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1315 012	12	20 1315 038	38	20 1315 064	64
20 1315 013	13	20 1315 039	39	20 1315 065	65
20 1315 014	14	20 1315 040	40	20 1315 066	66
20 1315 015	15	20 1315 041	41	20 1315 067	67
20 1315 016	16	20 1315 042	42	20 1315 068	68
20 1315 017	17	20 1315 043	43	20 1315 069	69
20 1315 018	18	20 1315 044	44	20 1315 070	70
20 1315 019	19	20 1315 045	45	20 1315 071	71
20 1315 020	20	20 1315 046	46	20 1315 072	72
20 1315 021	21	20 1315 047	47	20 1315 073	73
20 1315 022	22	20 1315 048	48	20 1315 074	74
20 1315 023	23	20 1315 049	49	20 1315 075	75
20 1315 024	24	20 1315 050	50	20 1315 076	76
20 1315 025	25	20 1315 051	51	20 1315 077	77
20 1315 026	26	20 1315 052	52	20 1315 078	78
20 1315 027	27	20 1315 053	53	20 1315 079	79
20 1315 028	28	20 1315 054	54	20 1315 080	80
20 1315 029	29	20 1315 055	55	20 1315 085	85
20 1315 030	30	20 1315 056	56	20 1315 090	90
20 1315 031	31	20 1315 057	57	20 1315 095	95
20 1315 032	32	20 1315 058	58	20 1315 0100	100
20 1315 033	33	20 1315 059	59	20 1315 0105	105
20 1315 034	34	20 1315 060	60	20 1315 0110	110
20 1315 035	35	20 1315 061	61	20 1315 0115	115
20 1315 036	36	20 1315 062	62	20 1315 0120	120
20 1315 037	37	20 1315 063	63		

20 1316 HARD-LINE 55

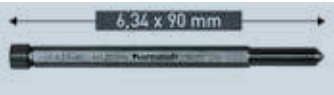




מקדח חלול שיני וידיה לעומק 55 מ״מ

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1316 012	12	20 1316 044	44	20 1316 080	80
20 1316 013	13	20 1316 045	45	20 1316 082	82
20 1316 014	14	20 1316 046	46	20 1316 083	83
20 1316 015	15	20 1316 047	47	20 1316 084	84
20 1316 016	16	20 1316 048	48	20 1316 085	85
20 1316 017	17	20 1316 049	49	20 1316 088	88
20 1316 0175	17.5	20 1316 050	50	20 1316 090	90
20 1316 018	18	20 1316 051	51	20 1316 092	92
20 1316 019	19	20 1316 052	52	20 1316 095	95
20 1316 020	20	20 1316 053	53	20 1316 100	100
20 1316 021	21	20 1316 054	54	20 1316 103	103
20 1316 0215	21.5	20 1316 055	55	20 1316 104	104
20 1316 022	22	20 1316 056	56	20 1316 105	105
20 1316 023	23	20 1316 057	57	20 1316 106	106
20 1316 0235	23.5	20 1316 058	58	20 1316 108	108
20 1316 024	24	20 1316 059	59	20 1316 110	110
20 1316 025	25	20 1316 060	60	20 1316 115	115
20 1316 0255	25.5	20 1316 061	61	20 1316 120	120
20 1316 026	26	20 1316 062	62	20 1316 125	125
20 1316 027	27	20 1316 063	63	20 1316 130	130
20 1316 028	28	20 1316 064	64	20 1316 135	135
20 1316 029	29	20 1316 065	65	20 1316 140	140
20 1316 030	30	20 1316 066	66	20 1316 145	145
20 1316 031	31	20 1316 067	67	20 1316 150	150
20 1316 032	32	20 1316 068	68	20 1316 155	155
20 1316 033	33	20 1316 069	69	20 1316 160	160
20 1316 034	34	20 1316 070	70	20 1316 165	165
20 1316 035	35	20 1316 071	71	20 1316 170	170
20 1316 036	36	20 1316 072	72	20 1316 175	175
20 1316 037	37	20 1316 073	73	20 1316 180	180
20 1316 038	38	20 1316 074	74	20 1316 185	185
20 1316 039	39	20 1316 075	75	20 1316 190	190
20 1316 040	40	20 1316 076	76	20 1316 195	195
20 1316 041	41	20 1316 077	77	20 1316 200	200
20 1316 042	42	20 1316 078	78		
20 1316 043	43	20 1316 079	79		

20 1149
Ø 12-17 mm
פין חליצה - 2 יח'



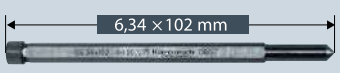
20 1151
Ø 18-65 mm
פין חליצה - 2 יח'



20 1273
Ø 66-120 mm
פין חליצה - 2 יח'



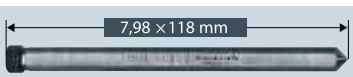
20 1271
Ø 12-17.5 mm
פין חליצה - 2 יח'



20 1273
Ø 18-60 mm
פין חליצה - 2 יח'

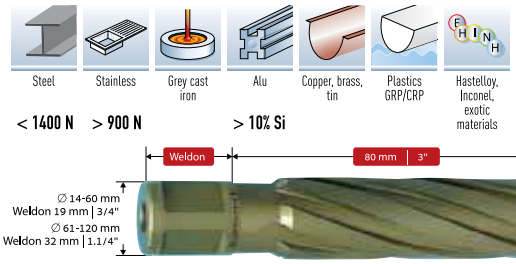


20 1272
Ø 61-200 mm
פין חליצה - 2 יח'



מקדחים חלולים שן וידיה

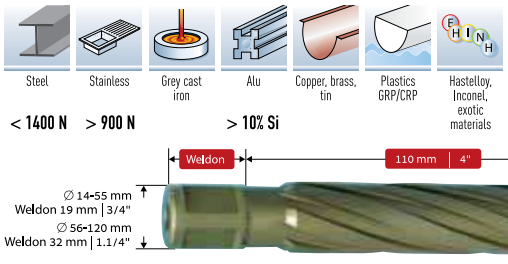
20 1650 HARD-LINE 80



מקדח חלול שיני וידיה לעומק 80 מ״מ

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1650 014	14	20 1650 042	42	20 1650 064	64
20 1650 015	15	20 1650 043	43	20 1650 065	65
20 1650 016	16	20 1650 044	44	20 1650 066	66
20 1650 017	17	20 1650 045	45	20 1650 067	67
20 1650 018	18	20 1650 046	46	20 1650 068	68
20 1650 019	19	20 1650 047	47	20 1650 069	69
20 1650 020	20	20 1650 048	48	20 1650 070	70
20 1650 021	21	20 1650 049	49	20 1650 072	72
20 1650 022	22	20 1650 050	50	20 1650 073	73
20 1650 023	23	20 1650 051	51	20 1650 074	74
20 1650 024	24	20 1650 052	52	20 1650 075	75
20 1650 025	25	20 1650 053	53	20 1650 076	76
20 1650 026	26	20 1650 048	48	20 1650 078	78
20 1650 027	27	20 1650 049	49	20 1650 080	80
20 1650 028	28	20 1650 050	50	20 1650 082	82
20 1650 029	29	20 1650 051	51	20 1650 085	85
20 1650 030	30	20 1650 052	52	20 1650 090	90
20 1650 031	31	20 1650 053	53	20 1650 095	95
20 1650 032	32	20 1650 054	54	20 1650 100	100
20 1650 033	33	20 1650 055	55	20 1650 103	103
20 1650 034	34	20 1650 056	56	20 1650 104	104
20 1650 035	35	20 1650 057	57	20 1650 105	105
20 1650 036	36	20 1650 058	58	20 1650 106	106
20 1650 037	37	20 1650 059	59	20 1650 108	108
20 1650 038	38	20 1650 060	60	20 1650 110	110
20 1650 039	39	20 1650 061	61	20 1650 115	115
20 1650 040	40	20 1650 062	62	20 1650 120	120
20 1650 041	41	20 1650 063	63		

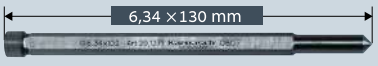
20 1660 HARD-LINE 110



מקדח חלול שיני וידיה לעומק 110 מ״מ

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1660 014	14	20 1660 040	40	20 1660 066	66
20 1660 015	15	20 1660 041	41	20 1660 067	67
20 1660 016	16	20 1660 042	42	20 1660 068	68
20 1660 017	17	20 1660 043	43	20 1660 069	69
20 1660 018	18	20 1660 044	44	20 1660 070	70
20 1660 019	19	20 1660 045	45	20 1660 072	72
20 1660 020	20	20 1660 046	46	20 1660 073	73
20 1660 021	21	20 1660 047	47	20 1660 074	74
20 1660 022	22	20 1660 048	48	20 1660 075	75
20 1660 023	23	20 1660 049	49	20 1660 076	76
20 1660 024	24	20 1660 050	50	20 1660 078	78
20 1660 025	25	20 1660 051	51	20 1660 080	80
20 1660 026	26	20 1660 052	52	20 1660 082	82
20 1660 027	27	20 1660 053	53	20 1660 085	85
20 1660 028	28	20 1660 054	54	20 1660 090	90
20 1660 029	29	20 1660 055	55	20 1660 095	95
20 1660 030	30	20 1660 056	56	20 1660 100	100
20 1660 031	31	20 1660 057	57	20 1660 103	103
20 1660 032	32	20 1660 058	58	20 1660 104	104
20 1660 033	33	20 1660 059	59	20 1660 105	105
20 1660 034	34	20 1660 060	60	20 1660 106	106
20 1660 035	35	20 1660 061	61	20 1660 108	108
20 1660 036	36	20 1660 062	62	20 1660 110	110
20 1660 037	37	20 1660 063	63	20 1660 115	115
20 1660 038	38	20 1660 064	64	20 1660 120	120
20 1660 039	39	20 1660 065	65		

20 1302
Ø 14-17 mm
פין חליצה - 2 יח'



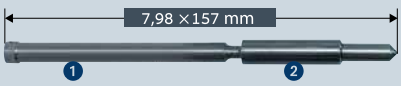
20 1304
Ø 14-17 mm
פין חליצה - 2 יח'



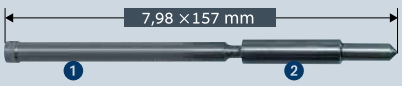
20 1427
Ø 18-60 mm
פין חליצה - 2 יח'



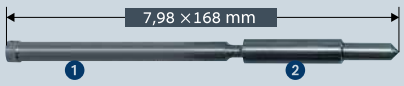
20 1428
Ø 18-55 mm
פין חליצה - 2 יח'



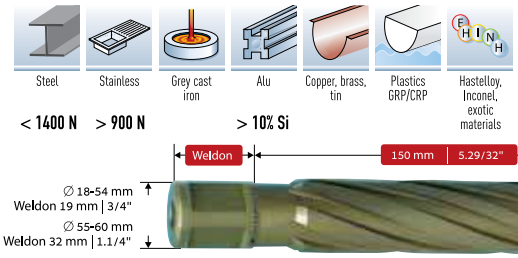
20 1428
Ø 61-120 mm
פין חליצה - 2 יח'



20 1486
Ø 56-120 mm
פין חליצה - 2 יח'



20 1665 HARD-LINE 150



מקדח חלול שיני וידיה לעומק 150 מ״מ

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1665 018	18	20 1665 033	33	20 1665 048	48
20 1665 019	19	20 1665 034	34	20 1665 049	49
20 1665 020	20	20 1665 035	35	20 1665 050	50
20 1665 021	21	20 1665 036	36	20 1665 051	51
20 1665 022	22	20 1665 037	37	20 1665 052	52
20 1665 023	23	20 1665 038	38	20 1665 053	53
20 1665 024	24	20 1665 039	39	20 1665 054	54
20 1665 025	25	20 1665 040	40	20 1665 055	55
20 1665 026	26	20 1665 041	41	20 1665 056	56
20 1665 027	27	20 1665 042	42	20 1665 057	57
20 1665 028	28	20 1665 043	43	20 1665 058	58
20 1665 029	29	20 1665 044	44	20 1665 059	59
20 1665 030	30	20 1665 045	45	20 1665 060	60
20 1665 031	31	20 1665 046	46		
20 1665 032	32	20 1665 047	47		

20 1429
Ø 18-19 mm
פין חליצה - 2 יח'



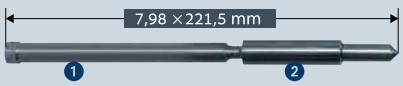
20 1399
Ø 18-19 mm
פין חליצה - 2 יח'



20 1152
Ø 20-54 mm
פין חליצה - 2 יח'



20 1124
Ø 55-60 mm
פין חליצה - 2 יח'



20 1480 SILVER-DRILL LINE RAIL 55

Rails



מקדח חלול HSS-XE לעומק 55 מ״מ למסילת רכבת

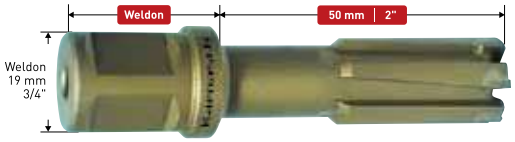
מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1480 018	18	20 1480 024	24	20 1480 031	31
20 1480 019	19	20 1480 025	25	20 1480 032	32
20 1480 020	20	20 1480 027	27	20 1480 033	33
20 1480 021	21	20 1480 028	28	20 1480 034	34
20 1480 022	22	20 1480 029	29	20 1480 035	35
20 1480 023	23	20 1480 030	30	20 1480 036	36

20 1271
פין חליצה - 2 יח'



20 1690 RAIL-LINE 50 PRO

Rails



מקדח חלול שן וידיה לעומק 50 מ״מ למסילת רכבת

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1690 014	14	20 1690 030	30	20 1690 046	46
20 1690 015	15	20 1690 031	31	20 1690 047	47
20 1690 016	16	20 1690 032	32	20 1690 048	48
20 1690 017	17	20 1690 033	33	20 1690 049	49
20 1690 018	18	20 1690 034	34	20 1690 050	50
20 1690 019	19	20 1690 035	35	20 1690 051	51
20 1690 020	20	20 1690 036	36	20 1690 052	52
20 1690 021	21	20 1690 037	37	20 1690 053	53
20 1690 022	22	20 1690 038	38	20 1690 054	54
20 1690 023	23	20 1690 039	39	20 1690 055	55
20 1690 024	24	20 1690 040	40	20 1690 056	56
20 1690 025	25	20 1690 041	41	20 1690 057	57
20 1690 026	26	20 1690 042	42	20 1690 058	58
20 1690 027	27	20 1690 043	43	20 1690 059	59
20 1690 028	28	20 1690 044	44	20 1690 060	60
20 1690 029	29	20 1690 045	45		

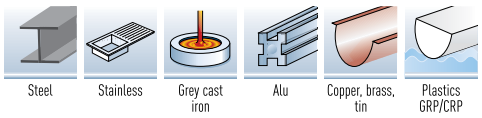
20 1271
פין חליצה - 2 יח'



מקדחי קובלט + מתאמים למקדחה מגנטית

DRILL-*LINE* GOLD 50

קודח עד עומק 50 מ״מ



< 1400 N > 900 N > 10% Si



עבור מברז	מק״ט מקדח	קוטר מקדח		מק״ט מתאם
M 3	20 1840 002	Ø 2.5 mm		20 1830 002 — 2.5 mm
M 4	20 1840 004	Ø 3.4 mm		20 1830 004 — 3 mm
M 5	20 1840 006	Ø 4.3 mm		20 1830 010 — 4 mm
–	20 1840 010	Ø 4 mm		
M 6	20 1840 020	Ø 5 mm		20 1830 020 — 5 mm
–	20 1840 030	Ø 6 mm		20 1830 030 — 6 mm
M 8	20 1840 035	Ø 6.8 mm		
–	20 1840 040	Ø 7 mm		20 1830 040 — 7 mm
–	20 1840 050	Ø 8 mm		20 1830 050 — 8 mm
M 10	20 1840 055	Ø 8.5 mm		
–	20 1840 060	Ø 9 mm		20 1830 060 — 9 mm
–	20 1840 070	Ø 10 mm		20 1830 070 — 10 mm
M 12	20 1840 075	Ø 10.3 mm		
–	20 1840 080	Ø 11 mm		20 1830 080 — 11 mm

מקדחים עם מתאם מובנה למקדחות מגנטיות

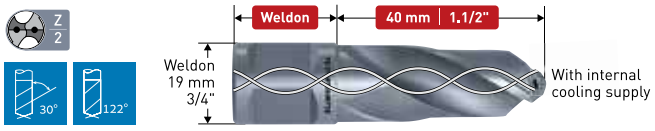
20 1710 DRILL-*LINE* 30



לעומק קידוח מקסימלי 30 מ״מ

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1710 0135	13.5	20 1710 010	10	20 1710 006	6
20 1710 014	14	20 1710 011	11	20 1710 008	8
20 1710 015	15	20 1710 012	12	20 1710 0095	9.5
20 1710 016	16	20 1710 013	13	20 1710 0098	9.8

20 1710 DRILL-*LINE* 40



לעומק קידוח מקסימלי 40 מ״מ

מק״ט	קוטר	מק״ט	קוטר	מק״ט	קוטר
20 1710 017	17	20 1710 021	21	20 1710 024	24
20 1710 019	19	20 1710 022	22	20 1710 0275	27.5
20 1710 020	20	20 1710 023	23		

* למידות 17-27 יש לרכוש גם צינורות קירור. מק״ט: 201435

מברזי קובלט מצופים + מתאמים למקדחה מגנטית



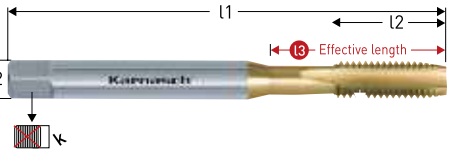
< 1400 N > 900 N > 10% Si

20 1800

Weldon
19 mm = 3/4"
32 mm = 1. 1/4"



20 1820



קנה	מק"ט מתאם	מברז		הברגה	מקדח מקדים	d2 Ø mm	l1 mm	l2 mm	l3 mm
19 mm 3/4"	20 1800 050		20 1820 050	M 14 DIN 376	12.0	11	110	25	79
19 mm 3/4"	20 1800 060		20 1820 060	M 16 DIN 376	14,0	12	110	25	79
19 mm 3/4"	20 1800 070		20 1820 070	M 18 DIN 376	15,5	14	125	30	90
			20 1820 075 *	M 18 GB/ T3464	15,5	14	112	37	77
			20 1820 078 *	M 20 GB/ T3464	17,5	14	112	37	77
19 mm 3/4"	20 1800 080		20 1820 080	M 20 DIN 376	17,5	16	140	30	105
32 mm 1. 1/4"	20 1800 090		20 1820 090	M 22 DIN 376	19,5	18	140	30	95
			20 1820 100	M 24 DIN 376	21,0	18	160	45	115
32 mm 1.1/4"	20 1800 110		20 1820 110	M 27 DIN 376	24,0	20	160	36	115
			20 1820 115 *	M 30 GB/ T3464	26,5	20	138	48	93
32 mm 1.1/4"	20 1800 120		20 1820 120	M 30 DIN 376	26,5	22	180	40	135

מקדח מתק"ש לחילוץ מברז שבור

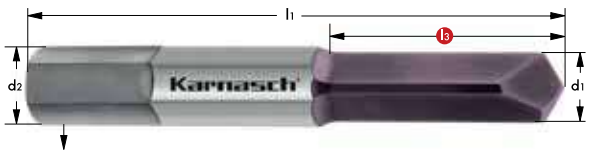
20 1865

סט



20 1800

HRC < 65 | MICRO GRAIN | KARNASCH NORM | 0° | HARDCOAT

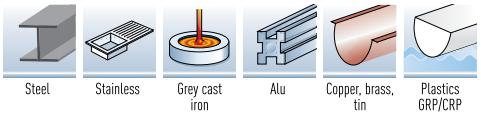


מק"ט	For thread	d1 H7	L3	L1	d2 H6
20 1860 010	M 3	2.50	10	38	3
20 1860 020	M 4	3.30	14	46	4
20 1860 030	M 5	4.20	19	50	5
20 1860 040	M 6	5.00	23	50	6
20 1860 050	M 8	6.80	23	60	8
20 1860 060	M 10	8.50	25	80	10
20 1860 070	M 12	10.20	35	80	12

לא מיועד לעבודה ידנית - במכונה יציבה בלבד.

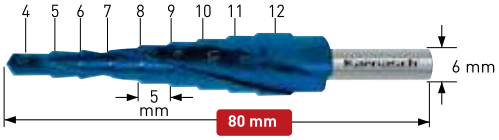
מקדחים מדורגים HSS-XE

המקדח המדורג הכחול, עלות תועלת מקסימלית בפחי נירוסטה מעל 2 מ״מ

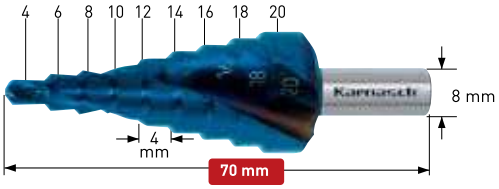


< 1100 N < 900 N > 10% Si

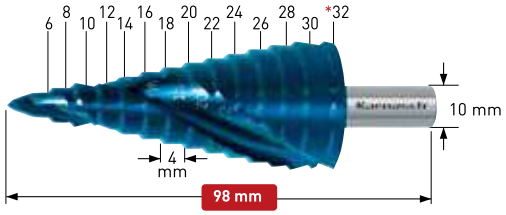
20 1447 לעובי חומר 5mm
*20 1447U



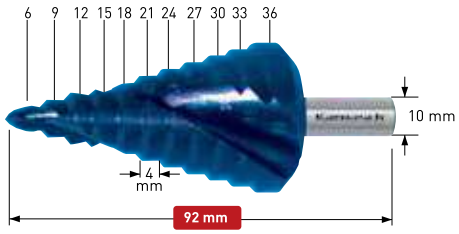
20 1448 לעובי חומר 4mm
*20 1448U



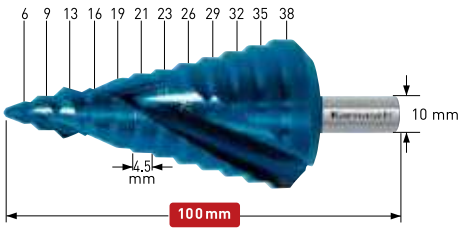
20 1449 לעובי חומר 4mm
*20 1449U



20 1450 לעובי חומר 4mm
*20 1450U

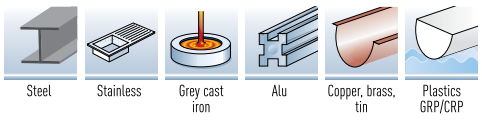


20 1470 לעובי חומר 4.5mm
*20 1470U



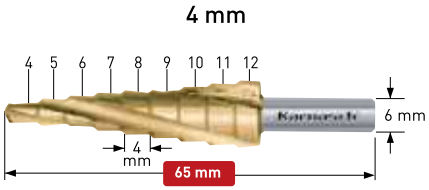
* מק״ט ללא ציפוי.

מקדח מדורג 3 התחלות ציפוי TiN

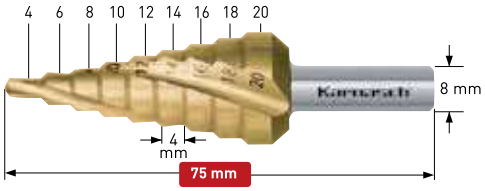


< 1100 N < 900 N > 10% Si

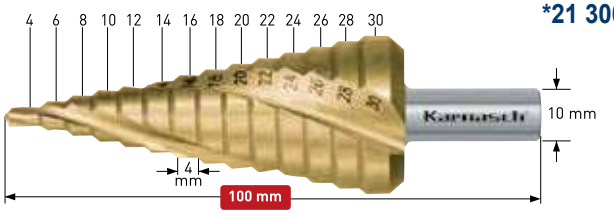
21 3001
*21 3004



21 3002
*21 3005

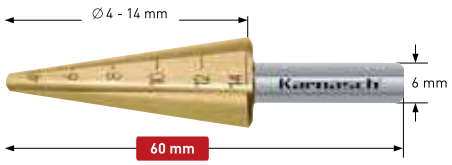


21 3003
*21 3006



מקדח קונקט לפחים וצינורות דקים

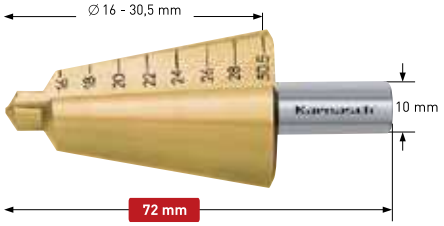
21 3019
*21 3022



21 0037
*21 0040

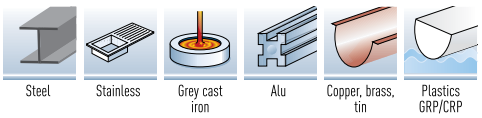


21 0038
*21 0039



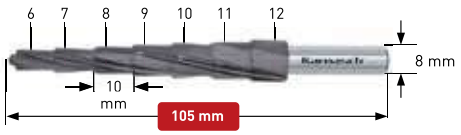
מקדחים מדורגים HSS-XE

המקדח המהיר בעולם 4 התחלות
עד 10 מ״מ עובי חומר, ציפוי TITAN

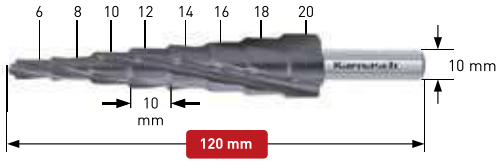


< 900 N < 600 N > 10% Si

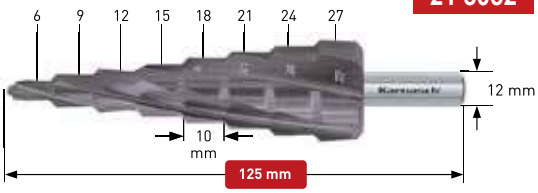
21 3050



21 3051

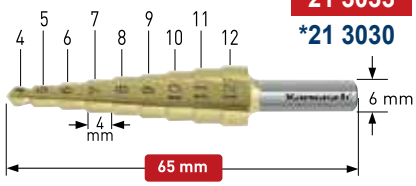


21 3052

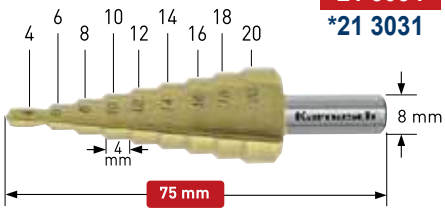


מקדח מדורג תעלה ישרה, ציפוי TiN

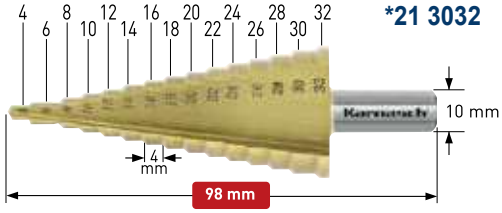
21 3033
***21 3030**



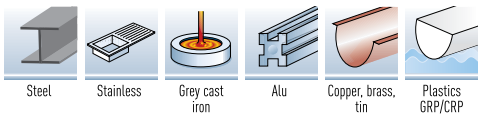
21 3034
***21 3031**



21 3035
***21 3032**

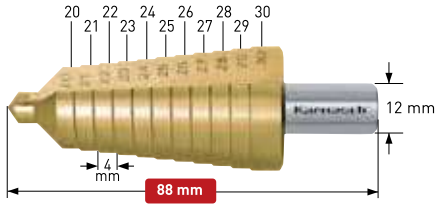


מקדח מדורג למידות גדולות
ציפוי TiN

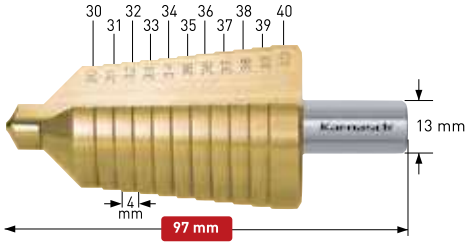


< 1100 N < 900 N > 10% Si

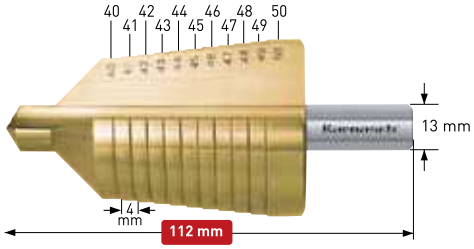
21 3010
***21 3013**



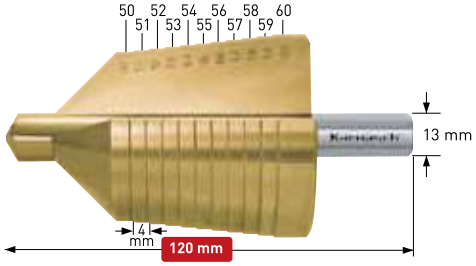
21 3011
***21 3014**



21 3020
***21 3023**



21 3021
***21 3024**



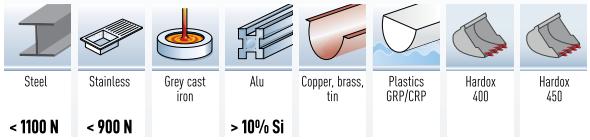
* מק״ט ללא ציפוי.

שקענים HSS-XE



שקען HSS-XE ציפוי כחול
120º ,100º, 90º, 82º, 60º

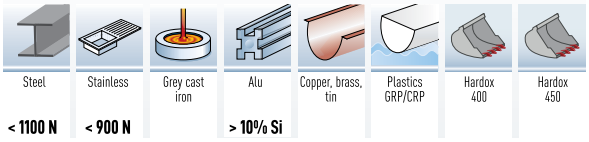
דגם U - להארכת חיי השקען והורדת ויברציות

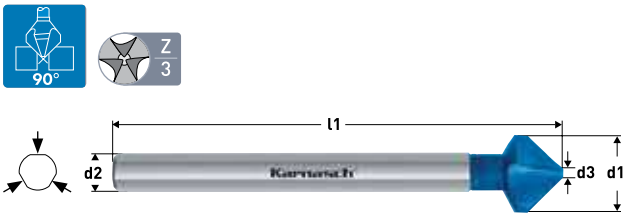


HSS-XE 120	HSS-XE 100 U	HSS-XE 90 U	HSS-XE 90	HSS-XE 82	HSS-XE 60	קוטר
403040	201735	201747	201745	201785	403030	סדרה
4030400063	201735005	201747010	201745050	201785010	4030300063	6.3
4030400083 (8.3)	201735020 (8.3)	201747020 (8.3)	201745090 (8.3)	201785020	4030300080	8.0
4030400104 (10.4)	201735030 (10.4)	201747030 (10.4)	201745120 (10.4)	201785030 (9.4)	4030300100	10.0
4030400124 (12.4)	201735040 (12.4)	201747040 (12.4)	201745140 (12.4)	201785040	4030300125	12.5
4030400165 (16.5)	201735050 (16.5)	201747050 (16.5)	201745170 (16.5)	201785050	4030300160	16
4030400205 (20.5)	201735060 (20.5)	201747060 (20.5)	201745190 (20.5)	201785060 (19)	4030300200	20
4030400250	201735060	201747070	201745210	201785080	4030300250	25
		201747080 (31)	201745240 (30)	201785090	4030300315	31.5
			201475260			40

שקען HSS-XE ארוך וארוך מאוד, ציפוי כחול

20 1770 XL 20 1775 XXL

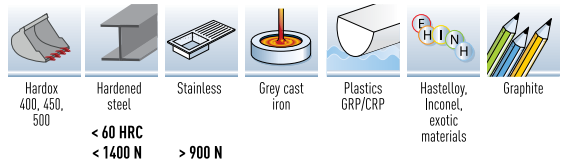


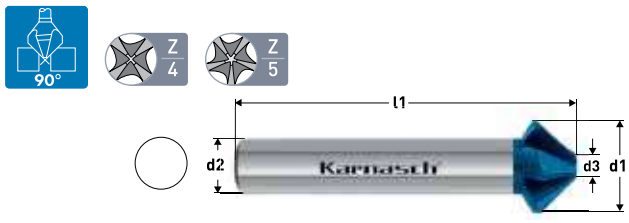


HSS-XE 90	HSS-XE 90	קוטר
201775 XXL	201770 XL	סדרה
201775010 (154)	201770010 (85)	6.3
201775020 (154)	201770020 (85)	8.3
201775030 (157)	201770030 (88)	10.4
201775040 (158)	201770040 (108)	12.4
201775060 (161)	201770060 (112)	16.5
201775070 (164)	201770070 (115)	20.5
201775080 (164)	201770080 (118)	25

שקען וידיה 3 שן ורב שן לחומרים קשים

40 3045 Z+ 20 1775 Z=3





CARBIDE 90 Z+	CARBIDE 90	קוטר
403045	201755	סדרה
	201755050	6.3
	201755090	8.3
403045010 Z=4	201755120	10.4
403045012 Z=5	201755140	12.4
4030450165 Z=5	201755170	16.5
4030450205 Z=5	201755190	20.5
4030450250 Z=5	201755210	25
4030450310 Z=5	201755250	31

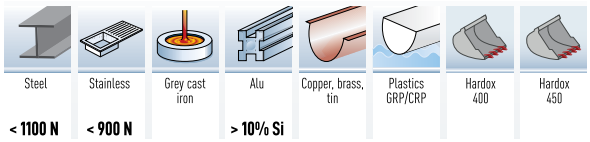
סטים שקענים



גלם	מק"ט	זוית	מידות בסט
HSS-XE	403090030	60	20, 15, 12.5, 10, 8, 6.3
	201697	82	3/4, 5/8, 1/2, 3/8, 5/16, 1/4
	201643	90	20.5, 16.5, 12.4, 10.4, 8.3, 6.3
	201657	100	20.5, 16.5, 12.4, 10.4, 8.3, 6.3
	403090050	120	20, 16, 12.5, 10, 8, 6.3
	403090010	90-XL	20.5, 16.5, 12.4, 10.4, 8.3, 6.3
מתק"ש	201647	90	20.5, 16.5, 12.4, 10.4, 8.3, 6.3

שקען HSS-XE ציפוי כחול 60° ו- 90° קנה קוני

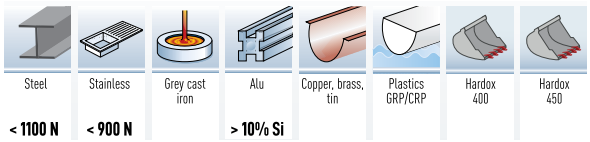
90° 20 1795 | 60° 40 3035

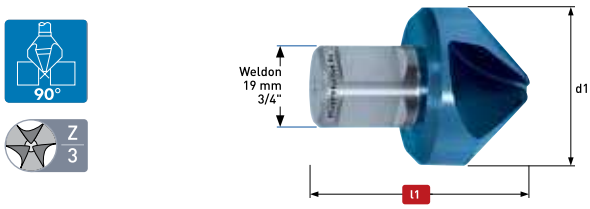




קוטר	HSS-XE 60	HSS-XE 90
סדרה	403035	201795
20-MT2	40 3035 0200	20 1795 010
25-MT2	40 3035 0250	20 1795 020
31.5-MT2	40 3035 0315	20 1795 030
40-MT3	40 3035 0400	20 1795 050
50-MT3	40 3035 0500	20 1795 060
63-MT4	40 3035 0630	20 1795 070
80-MT4	40 3035 0800	20 1795 080

שקען HSS-XE למקדחה מגנטית 20 1195





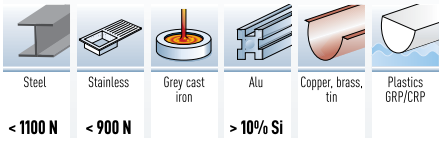
אורך כללי	קוטר	מק"ט
45	25	20 1195 025
47	30	20 1195 030
52	40	20 1195 040
60	55	20 1195 055

GSR



שקענים HSSG 90°		שקענים HSSG 90°	
קוטר	מק"ט	קוטר	מק"ט
16.5	04042165	4.3	04042043
20.5	04042205	6.3	04042063
25	04042250	8	04042080
30	04042300	10.4	04042104
40	04042400	12.4	04042124

סט כרסומי שיקוע מצופים - M3, M4, M5, M6, M8, M10





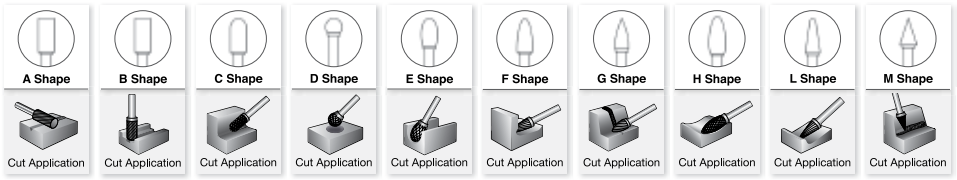
40 1791 סט איכות טובה

40 1792 סט איכות בינונית

40 1793 סט קידוח להברזה



פצירות מתק"ש NG6



פצירות ה- **NG6** הן הפצירות האגרסיביות בעולם.
הגאומטריה והציפוי היחודיים מקנים הסרת חומר מואצת בפלדות ונירוסטה בין 75%-100% ביחס לשובר השבב הסטנדרטי.

NG6 A



מק"ט	קוטר	אורך פעיל	קנה	אורך כללי
KA60618-NG6 ACC	6	18	6	50
KA60820-NG6 ACC	8	19	6	64
KA61020-NG6 ACC	9.6	19	6	64
KA61225-NG6 DIN ACC	12	25	6	70
KA61525-NG6 ACC	16	25	6	70

NG6 B



מק"ט	קוטר	אורך פעיל	קנה	אורך כללי
KB60618-NG6 ACC	6	18	6	50
KB60820-NG6 ACC	8	19	6	64
KB61020-NG6 ACC	9.6	19	6	64
KB61225-NG6 DIN ACC	12	25	6	70
KB61525-NG6 ACC	16	25	6	70

NG6 C



מק"ט	קוטר	אורך פעיל	קנה	אורך כללי
KC60618-NG6 ACC	6	18	6	50
KC60820-NG6 ACC	8	19	6	64
KC61020-NG6 ACC	9.6	19	6	64
KC61225-NG6 DIN ACC	12	25	6	70
KC61525-NG6 ACC	16	25	6	70

NG6 D



מק"ט	קוטר	אורך פעיל	קנה	אורך כללי
KD60606-NG6 ACC	6	4.7	6	50
KD60808-NG6 ACC	8	7	6	52
KD61010-NG6 ACC	9.6	8	6	53
KD61212-NG6 DIN ACC	12	11	6	56
KD61515-NG6 ACC	16	14	6	59

NG6 E



מק"ט	קוטר	אורך פעיל	קנה	אורך כללי
KE60610-NG6 ACC	6	10	6	50
KE60815-NG6 ACC	8	15	6	60
KE61015-NG6 ACC	9.6	16	6	61
KE61220-NG6 DIN ACC	12	21	6	66
KE61525-NG6 ACC	16	25	6	70

NG6 F



מק"ט	קוטר	אורך פעיל	קנה	אורך כללי
KF60618-NG6 ACC	6	18	6	50
KF60820-NG6 ACC	8	20	6	65
KF61020-NG6 ACC	9.6	19	6	64
KF61225-NG6 DIN ACC	12	25	6	70
KF61525-NG6 ACC	16	25	6	70

NG6 G



מק"ט	קוטר	אורך פעיל	קנה	אורך כללי
KG60618-NG6 ACC	6	18	6	50
KG60820-NG6 ACC	8	19	6	64
KG61020-NG6 ACC	9.6	19	6	64
KG61225-NG6 DIN ACC	12	25	6	70
KG61525-NG6 ACC	16	25	6	70

NG6 H



מק"ט	קוטר	אורך פעיל	קנה	אורך כללי
KH60614-NG6 ACC	6	14	6	50
KH60820-NG6 ACC	8	19	6	64
KH61020-NG6 ACC	10	20	6	65
KH61232-NG6 DIN ACC	12	30	6	75
KH61535-NG6 ACC	16	36	6	81

NG6 L



מק"ט	קוטר	אורך פעיל	קנה	אורך כללי
KL60618-NG6 ACC	6	18	6	50
KL60822-NG6 ACC	8	25	6	70
KL61020-NG6 ACC	10	20	6	65
KL61230-NG6 DIN ACC	12	30	6	75
KL61533-NG6 ACC	16	33	6	78

NG6 M



מק"ט	קוטר	אורך פעיל	קנה	אורך כללי
KM60618-NG6 ACC	6	18	6	50
KM60820-NG6 ACC	8	18.5	6	64
KM61020-NG6 ACC	10	19	6	64
KM61222-NG6 DIN ACC	12	25	6	70
KM61525-NG6 ACC	16	29	6	74

פצירות מתכ"ש סטנדרטיות

Shape: A, ZYA, SA



ATA	d1	l1	d2	l2
KA30314-6	3	14	3	38
KA30612-6	6.3	12	3	45
KA60618-6	6	18	6	50
KA60820-6	8	19	6	64
KA61020-6	9.6	19	6	64
KA61225-6DIN	12	25	6	70
KA61525-6	16	25	6	70
KA62025-6	19	25	6	70

*ניתן לקבל עם מצח פעיל בתוספת 15%.

Shape: E, TRE, SE



ATA	d1	l1	d2	l2
KE30306-6	3	6	3	38
KE30610-6	6.3	9.5	3	42
KE60610-6	6	10	6	50
KE60815-6	8	15	6	60
KE61015-6	10	16	6	60
KE61220-6DIN	12	22	6	67
KE61525-6	16	25	6	70

Shape: C, WRC, SC



ATA	d1	l1	d2	l2
KC30312-6	3	14	3	38
KC30612-6	6.3	12	3	45
KC60413-6	4	14	6	50
KC60516-6	5	16	6	50
KC60625-6	6	25	6	50
KC60820-6	8	20	6	64
KC61020-6	10	20	6	64
KC61225-6DIN	12	25	6	70
KC61525-6	16	25	6	70

Shape: D, KUD, SD



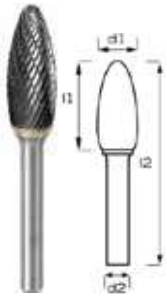
ATA	d1	l1	d2	l2
KD30303-6	3	2.5	3	38
KD30606-6	6.3	5	3	38
KD60606-6	6	4.7	6	50
KD60808-6	8	6	6	52
KD61010-6	10	8	6	54
KD61212-6	12	11	6	56
KD61515-6	16	14	6	59

Shape: F, RBF, SF



ATA	d1	l1	d2	l2
KF30308-6	3	8	3	38
KF30312-6	3	12	3	38
KF30612-6	6.3	12	3	45
KF60618-6	6	18	6	50
KF60820-6	8	20	6	65
KF61020-6	10	20	6	64
KF61220-6	12	20	6	64
KF61225-6DIN	12	25	6	70
KF61525-6	16	25	6	70

Shape: H, SH



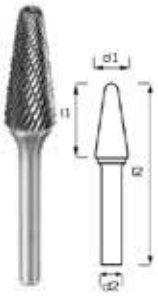
ATA	d1	l1	d2	l2
KH30306-6	3	6	3	38
KH30510-6	5	10	3	38
KH60614-6	6	14	6	50
KH60820-6	8	19	6	64
KH61020-6	10	19	6	65
KH61232-6DIN	12	32	6	77

Shape: G, SPG, SG



ATA	d1	l1	d2	l2
KG30310-6	3	10	3	38
KG30312-6	3	12	3	38
KG30612-6	6.3	12	3	45
KG60618-6	6	18	6	50
KG60820-6	8	20	6	64
KG61020-6	10	20	6	64
KG61225-6DIN	12	25	6	70

Shape: L, KEL SL



ATA	d1	l1	d2	l2	זוית
KL30310-6	3	10	3	38	10
KL30312-6	3	12	3	38	8
KL60618-6	6	18	6	50	14
KL60822-6	8	22	6	70	14
KL61026-6	10	26	6	76	14
KL61225-6	12	25	6	70	17

Shape: M, SKM, SM

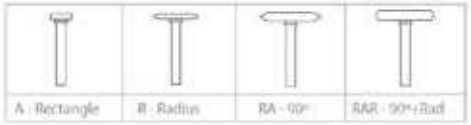


ATA	d1	l1	d2	l2	זוית
KM30308-6	3	8	3	38	18
KM30311-6	3	11	3	38	14
KM30315-6	3	15	3	38	10
KM30612-6	6	12	3	49	22
KM60612-6	6	12	6	50	20
KM60620-6	6	20	6	50	14
KM60625-6	6	25	6	50	10
KM60818-6	8	18	6	64	22
KM61020-6	10	20	6	64	28
KM61222-6DIN	12	22	6	71	28

Rim Shape



ATA	d1	l1	d2	l2	Type
KA3101.6-2	10	1.6	3	34	A
KA6122.6-2	12	2.6	6	48	A
KRAR62503-2	25	3.2	6	48	RAR
KRA62505-2	25	5.5	6	50	RAR
KR62506-2	25	6.3	6	51	A
KRAR63806-2	38	6.1	6	51	RAR



ניתן לקבל במידות נוספות

פצירות מתק"ש ארוכות + אלומיניום

פצירות לאלומיניום



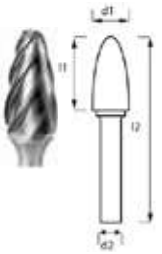
ATA	d1	l1	d2	l2
KA60618-3	6	18	6	50
KA61020-3	10	19	6	64
KA61225-3	12.7	25	6	70
KA61525-3	16	25	6	70
KA62025-3	19	25	6	70



ATA	d1	l1	d2	l2
KE60610-3	6	10	6	50
KE61015-3	9.6	16	6	60
KE61220-3	12.7	22	6	67
KE61525-3	16	25	6	70
KE62025-3	19	25	6	70



ATA	d1	l1	d2	l2
KC60618-3	6	18	6	50
KC61020-3	9.6	19	6	64
KC61225-3	12.7	25	6	70
KC61525-3	16	25	6	70
KC62025-3	19	25	6	70



ATA	d1	l1	d2	l2
KF60618-3	6	18	6	50
KF61020-3	9.6	19	6	64
KF61225-3	12.7	25	6	70
KF61525-3	16	25	6	70
KF62025-3	19	25	6	70



ATA	d1	l1	d2	l2
KD60606-3	6	4.7	6	50
KD61010-3	9.6	8	6	54
KD61212-3	12.7	11	6	56
KD61515-3	16	14	6	59
KD62020-3	19	16.5	6	62

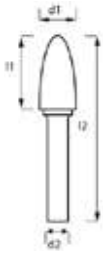


ATA	d1	l1	d2	l2
KL60618-3	6	18	6	50
KL61020-3	9.6	30	6	64
KL61228-3	12.7	25	6	70
KL61533-3	16	25	6	70

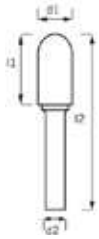
פצירות ארוכות



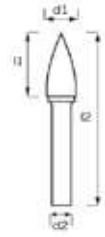
ATA	d1	l1	d2	l2
KA30314-6-50	3	14	3	50
KA30314-6-75	3	14	3	75
KA30314-6-100	3	14	3	100
KA60618-6-100	6	18	6	100
KA60618-6-150	6	18	6	150
KA60820-6-170	8	19	6	170
KA61020-6-170	10	19	6	170
KA61225-6-175	12	25	6	170



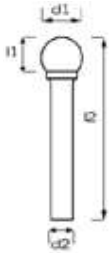
ATA	d1	l1	d2	l2
KF30312-6-50	3	14	3	50
KF30312-6-75	3	14	3	75
KF60618-6-150	6	18	6	150
KF61020-6-170	9.6	19	6	170
KF61225-6-175	12.7	25	6	178



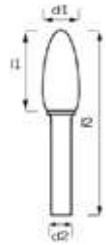
ATA	d1	l1	d2	l2
KC30312-6-50	3	14	3	50
KC30312-6-75	3	14	3	75
KC30312-6-100	3	14	3	100
KC60618-6-100	6	18	6	100
KC60618-6-150	6	18	6	150
KC60820-6-170	8	19	6	170
KC61020-6-170	10	19	6	170
KC61225-6-175	12	25	6	170



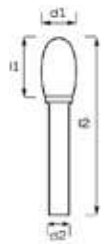
ATA	d1	l1	d2	l2
KG30312-6-50	3	14	3	50
KG30312-6-75	3	14	3	75
KG61020-6-170	9.6	19	6	170
KG61225-6-175	12.7	25	6	175



ATA	d1	l1	d2	l2
KD30303-6-50	3	2.5	3	50
KD30303-6-75	3	2.5	3	75
KD60808-180	8	6	6	180
KD61010-185	10	6	6	185
KD61212-6-162	12	6	6	162



ATA	d1	l1	d2	l2
KH30306-6-50	3	14	3	50
KH30306-6-75	3	14	3	75
KH60820-6-170	8	19	6	170
KH61232-6-182	12.7	32	6	182



ATA	d1	l1	d2	l2
KE30306-6-50	3	6	3	50
KE30306-6-75	3	6	3	75
KE61015-6-165	9.6	16	6	165
KE61220-6-170	12.7	22	6	170



ATA	d1	l1	d2	l2
KL30312-6-50	3	14	3	50
KL30312-6-75	3	14	3	75
KL61026-6-176	9.6	30	6	176
KL61228-6-182	12.7	30	6	182

סטים פצירות מתק״ש

סט פצירות NG6 - 5 יח׳ Ø12 mm
מק״ט: 29801



תכולת הסט
צילינדר עם מצח Ø12
צילינדר עם קצה רדיוס Ø12
קונית קצה חוד Ø12
כדורית 12 מ״מ
קונית קצה רדיוס Ø12

סט פצירות NG6 - 5 יח׳ Ø10 mm
מק״ט: 29800



תכולת הסט
צילינדר עם מצח Ø10
צילינדר עם קצה רדיוס Ø10
קונית קצה חוד Ø10
כדורית 10 מ״מ
קונית קצה רדיוס Ø10

סט פצירות שן כפולה - 5 יח׳ Ø12mm
מק״ט: 28262



תכולת הסט
צילינדר עם מצח Ø12
צילינדר עם קצה רדיוס Ø12
קונית קצה חוד Ø12
כדורית 12 מ״מ
קונית קצה רדיוס Ø12

סט פצירות שן כפולה - 10 יח׳ בקטרים 10 ו- 12 מ״מ
מק״ט: 28261



תכולת הסט
צילינדר עם מצח Ø10
צילינדר עם מצח Ø12
צילינדר עם קצה רדיוס Ø10
צילינדר עם קצה רדיוס Ø12
כדורי Ø12
אובלית Ø10
קונית קצה רדיוס Ø12
קונית קצה חוד Ø10
קונית קצה חוד Ø12
קונית 14° Ø12

סט פצירות שן כפולה - 10 יח׳ 3 מ״מ
מק״ט: 28263



סט פצירות רדיוס 10 יח׳
מק״ט: 28225



יעיל באפליקציות
בהן הגישה מוגבלת

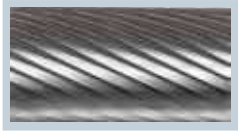
פצירות מתק"ש קנה 3 מ"מ

KA



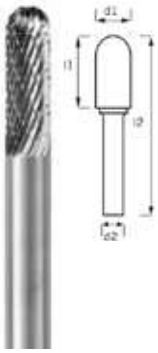
קוטר	אורך פעיל	קנה	אורך כללי	2	3	6	AS
1.5	6	3	38	KA31.506-2		KA31.506-6	
2	11	3	38	KA30211-2		KA30211-6	
2.5	12	3	38	KA32.512-2		KA32.512-6	
3	12	3	38				KA30312-6AS
3	14	3	38	KA30314-2	KA30314-3	KA30314-6	
3	14	3	50 (XL)	KA30314-2-50		KA30314-6-50	
3	14	3	75 (2XL)	KA30314-2-75		KA30314-6-75	
3	14	3	100 (3XL)	KA30314-2-100		KA30314-6-100	
5	12.7	3	38	KA30512-2		KA30512-6	
6.3	4.7	3	37	KA30605-2		KA30605-6	
6.3	12.7	3	45	KA30612-2	KA30612-3	KA30612-6	

שובר שבב מס׳ 2



לשימוש כללי בפלדות, נירוסטה,אלומיניום וחומרים קשים.

KC



קוטר	אורך פעיל	קנה	אורך כללי	2	3	6	AS
2	11	3	38	KC30211-2		KC30211-6	
2.5	11	3	38	KC32.511-2		KC32.511-6	
3	12	3	38				KC30312-6AS
3	14	3	38	KC30312-2	KC30312-3	KC30312-6	
3	14	3	50 (XL)	KC30312-2-50		KC30312-6-50	
3	14	3	75 (2XL)	KC30312-2-75		KC30312-6-75	
3	14	3	100 (3XL)	KC30312-2-100		KC30312-6-100	
5	12.7	3	38	KC30512-2		KC30512-6	
6	12.7	3	45	KC30612-2	KC30612-3	KC30612-6	

שובר שבב מס׳ 3



להסרת חומר מהירה בחומרים רכים אלומיניום ופלסטיק.

שובר שבב מס׳ 4



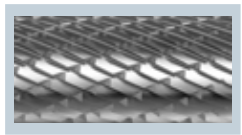
שובר שבב עדין מומלץ לשימוש בפלדות קשות נירוסטה, ניקל וטיטניום.

KD



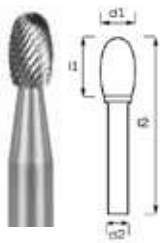
קוטר	אורך פעיל	קנה	אורך כללי	2	3	6	AS
2	1.8	3	38	KD30202-2		KD30202-6	
2.5	2.3	3	38	KD32.52.5-2		KD32.52.5-6	
3	2.5	3	38	KD30303-2	KD30303-3	KD30303-6	KD30303-6AS
3	2.5	3	50 (XL)	KD30303-2-50		KD30303-6-50	
3	2.5	3	75 (2XL)	KD30303-2-75		KD30303-6-75	
4	3.4	3	38	KD30404-2	KD30404-3	KD30404-6	
5	4.7	3	38	KD30505-2		KD30505-6	
6.3	5	3	38	KD30606-2	KD30606-3	KD30606-6	

שובר שבב מס׳ 6



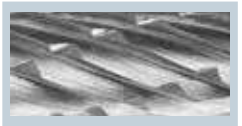
לשימוש כללי בפלדות, נירוסטה, אלומיניום וחומרים קשים.

KE



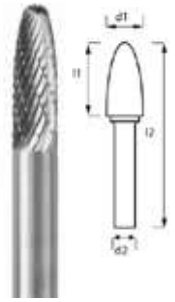
קוטר	אורך פעיל	קנה	אורך כללי	2	3	6	AS
3	6	3	38	KE30306-2	KE30306-3	KE30306-6	KE30306-6AS
3	6	3	50 (XL)	KE30306-2-50		KE30306-6-50	
3	6	3	75 (2XL)	KE30306-2-75		KE30306-6-75	
5	8	3	38	KE30508-2		KE30508-6	
6.3	9.5	3	42	KE30610-2	KE30610-3	KE30610-6	

שובר שבב AS



לשימוש בנירוסטה, ניקל וטיטניום.

KF



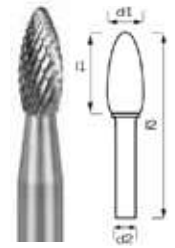
קוטר	אורך פעיל	קנה	אורך כללי	2	3	6	AS
3	6	3	38	KF30306-2		KF30306-6	
3	8	3	38	KF30308-2		KF30308-6	
3	14	3	38	KF30312-2	KF30312-3	KF30312-6	KF30312-6AS
3	14	3	50 (XL)	KF30312-2-50		KF30312-6-50	
3	14	3	75 (2XL)	KF30312-2-75		KF30312-6-75	
5	12.7	3	38	KF30512-2		KF30512-6	
6.3	12.7	3	45	KF30612-2	KF30612-3	KF30612-6	KF30612-6

KG



קוטר	אורך פעיל	קנה	אורך כללי	2	3	6	AS
3	6	3	38	KG30306-2		KG30306-6	
3	8	3	38				KG30308-6AS
3	10	3	38	KG30310-2		KG30310-6	
3	14	3	38	KG30312-2	KG30312-3	KG30312-6	KG30314-6AS
3	14	3	50 (XL)	KG30312-2-50		KG30312-6-50	
3	14	3	75 (2XL)	KG30312-2-75		KG30312-6-75	
5	12.7	3	38	KG30512-2		KG30512-6	
6.3	12.7	3	45	KG30612-2	KG30612-3	KG30612-6	

KH



קוטר	אורך פעיל	קנה	אורך כללי	2	3	6	AS
3	6	3	38	KH30306-2		KH30306-6	KH30306-6AS
3	6	3	50 (XL)	KH30306-2-50		KH30306-6-50	
3	6	3	75 (2XL)	KH30306-2-75		KH30306-6-75	
5	9.5	3	38	KH30510-2		KH30510-6	
6	10	3	43	KH30612-2		KH30612-6	

KL



קוטר	אורך פעיל	קנה	אורך כללי	2	3	6	AS
3	10	3	38	KL30310-2		KL30310-6	
3	14	3	38	KL30312-2	KL30312-3	KL30312-6	KL30312-6AS
3	14	3	50 (XL)	KL30312-2-50		KL30312-6-50	
3	14	3	75 (2XL)	KL30312-2-75		KL30312-6-75	
5	12.7	3	38	KL30512-2		KL30512-6	
6.3	15.8	3	48	KL30612-2	KL30612-3	KL30612-6	

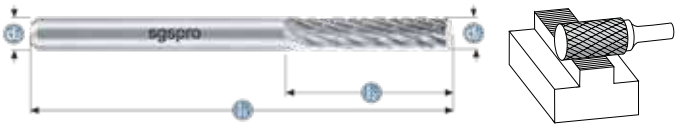
KM



קוטר	אורך פעיל	קנה	אורך כללי	2	3	6	AS
3	8	3	38	KM30308-2		KM30308-6	
3	11	3	38	KM30311-2	KM30311-3	KM30311-6	
3	15	3	38	KM30315-2		KM30315-6	KM30315-6AS
6.3	12.7	3	48	KM30612-2	KM30612-3	KM30612-6	
5	12.7	3	38	KL30512-2		KL30512-6	
6.3	15.8	3	48	KL30612-2	KL30612-3	KL30612-6	

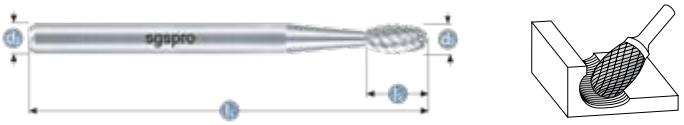
פצירות אינצ'יות קנה 1/8

צילינדרית



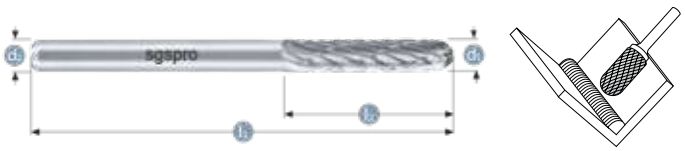
מק"ט SGS	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	צילינדרי
10650	1-1/2	1/8	9/16	1/8	SINGLE (2)	SA-43
10653					DC (6)	
19400					6 AS	
19911					VF	

אובלית



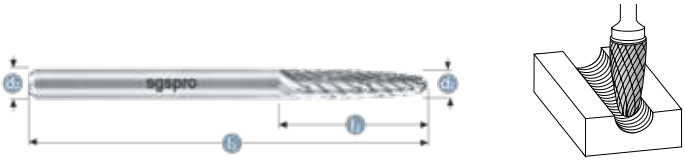
מק"ט SGS	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	אובלית
13150	1-1/2	1/8	7/32	1/8	SINGLE (2)	SE-41
13153					DC (6)	
19430					6 AS	

צילינדרית קצה רדיוס



מק"ט SGS	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	צילינדר קצה רדיוס
12275	1-1/2	1/8	9/16	1/8	SINGLE (2)	SC-42
12278					DC (6)	
19410					6 AS	
19916					VF	

קונית קצה רדיוס



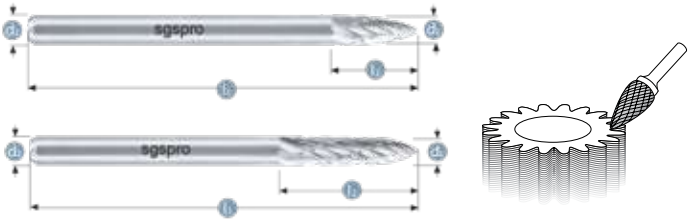
מק"ט SGS	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	קונית קצה רדיוס
13675	1-1/2	1/8	1/4	1/8	SINGLE (2)	SF-41
13678					DC (6)	
19926					VF	
13700	1-1/2	1/8	1/4	1/8	SINGLE (2)	SF-42
13703					DC (6)	
19440					6 AS	
19927					VF	

כדורית



מק"ט SGS	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	כדורית
12800	1-1/2	1/8	1/8	1/8	SINGLE (2)	SD-42
12803	1-1/2	1/8	1/8	1/8	DC (6)	
19420	1-1/2	1/8	3/32	1/8	6 AS	
19921	1-1/2	1/8	1/8	1/8	VF	

קונית קצה חוד 10^{o}



מק"ט SGS	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	קונית קצה חוד
14150	1-1/2	1/8	1/4	1/8	SINGLE (2)	SG-41
14153					DC (6)	
19450					6 AS	
14200	1-1/2	1/8	3/8	1/8	SINGLE (2)	SG-43
14203					DC (6)	
14225	1-1/2	1/8	1/2	1/8	SINGLE (2)	SG-44
14228					DC (6)	
19460					6 AS	
19930					VF	

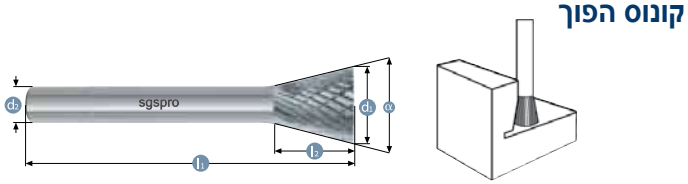
פצירות אינצ'יות קנה 1/8

להבה



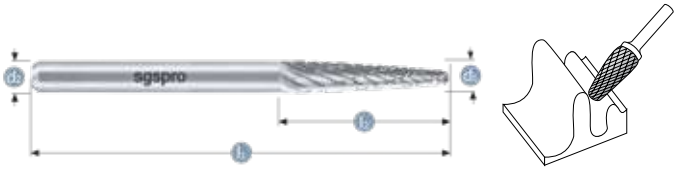
מק"ט SGS	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	להבה
14550	1-1/2	1/8	1/4	1/8	SINGLE (2)	SH-41
14553					DC (6)	
19470					6 AS	

קונוס הפוך



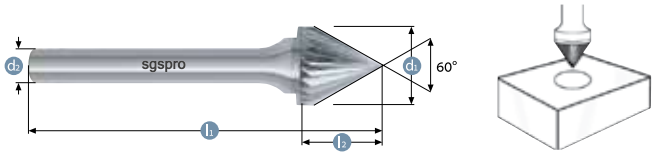
מק"ט SGS	מעלות	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	קונוס הפוך
16050	10	1-1/2	3/16	11/32	1/8	SINGLE (2)	SN-42
16053						DC (6)	

קונית 14°



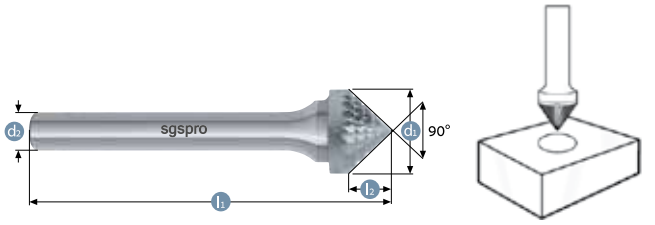
מק"ט SGS	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	קונית 14°
15400	1-1/2	1/8	3/8	1/8	SINGLE (2)	SL-41
15403					DC (6)	
15425	1-1/2	1/8	1/2	1/8	SINGLE (2)	SL-42
15428					DC (6)	
19480					6 AS	

קונית 60°



מק"ט SGS	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	שקען 60°
z	1-1/2	3/16	3/32	1/8	SINGLE (2)	SJ-42
14903					DC (6)	

קונית 90°



מק"ט SGS	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	שקען 90°
15150	1-1/2	3/16	1/16	1/8	SINGLE (2)	SK-42
15153					DC (6)	

קונית קצה חוד



מק"ט SGS	מעלות	אורך כללי	קוטר קנה	אורך פעיל	קוטר פעיל	שובר שבב	קונית קצה חוד
15675	12	1-1/2	1/8	11/32	1/8	SINGLE (2)	SM-41
15678						DC (6)	
15700	14	1-1/2	1/8	7/16	1/8	SINGLE (2)	SM-42
15703						DC (6)	
15725	7	1-1/2	1/8	5/8	1/8	SINGLE (2)	SM-43
15728						DC (6)	
19490						6 AS	
15775	16	1-1/2	1/8	1/2	3/16	SINGLE (2)	SM-53
15778						DC (6)	

מקדחים וכרסומים לחומרים מרוכבים ולמינציות



118
מקדח לקבלר

קנה	אורך כללי	אורך פעיל	קוטר	מק"ט
3	40	12	3	118.030
3.17	40	12	3.17	118.0317
4	55	18	4	118.040
5	62	26	5	118.050
6	66	28	6	118.060
6.35	70	31	6.35	118.0635
6.5	70	31	6.5	118.065
7	74	34	7	118.070
7.93	79	37	7.93	118.0793
8	79	37	8	118.080
8.5	79	37	8.5	118.085
9	84	40	9	118.090
10	89	48	10	118.100
12	102	50	12	118.120



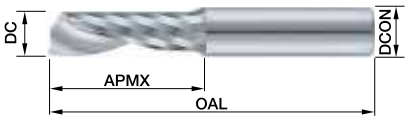
217
מקדח מקדד-דריל- רימר

קנה	אורך כללי	אורך פעיל	קוטר	מק"ט
2	100	50	2	217.020
2.48	100	50	2.48	217.0248
3	100	50	3	217.030
3.17	100	50	3.17	217.0317
4	100	50	4	217.040
4.21	100	50	4.21	217.0421
4.82	100	50	4.82	217.0482
5.05	100	50	5.05	217.0505
5.53	100	50	5.53	217.0553
6	100	50	6	217.060
6.35	100	50	6.35	217.0635
6.6	100	50	6.6	217.066
7	100	50	7	217.070
7.92	100	50	7.92	217.0792
8	100	50	8	217.080
8.63	100	50	8.63	217.0863
9	100	50	9	217.090
10	100	50	10	217.100
12	100	50	12	217.120



150
מקדח מתק"ש תעלה ישרה

קנה	אורך כללי	ארוך פעיל	קוטר	מק"ט
2	38	12	2	150.020
2.5	43	14	2.5	150.025
3	46	16	3	150.030
3.5	52	20	3.5	150.035
4	55	22	4	150.040
5	62	26	5	150.050
6	66	28	6	150.060
7	74	34	7	150.070
8	79	37	8	150.080
9	84	40	9	150.090
10	89	43	10	150.100



110
כרסום שן אחת
לפלסטיק / למינציות

קוטר קנה	אורך כללי	אורך חותך	קוטר פעיל	מק"ט
3	40	6	1.5	110.015030640
3	40	6	2	110.020030640
2	40	10	2	110.020021040
6	50	5	2	110.020060550
6	60	10	2	110.020061060
2.5	40	6	2.5	110.025250640
3	40	12	3	110..030031240
6	50	7	3	110.030060750
6	60	10	3	110.030061060
6	60	12	3	110.030061260
6	60	15	3	110.030061560
4	40	15	4	110.040041540
6	50	9	4	110.0400060950
6	60	12	4	110.040061260
6	60	15	4	110.040061560
6	75	20	4	110.040062075
6	50	11	5	110.050061150
5	50	16	5	110.050051650
6	60	16	5	110.050061660
6	75	28	5	110.050062875
6	50	13	6	110.060061350
6	60	20	6	110.060062060
6	60	22	6	110.060062260
6	60	30	6	110.060063060
6	75	35	6	110.060063575
8	63	17	8	110.080081763
8	63	22	8	110.080082263
8	75	35	8	110.080083575
8	100	45	8	110.0800845100
10	72	25	10	110.100102572
10	80	35	10	110.100103580
10	100	55	10	110.1001055100
12	83	30	12	110.120123083
12	110	55	12	110.1201255110

כרסומים לחומרים מרוכבים



108F-F/M/G

כרסום לפיבר גלאס

קנה	אורך כללי	אורך פעיל	קוטר	מק"ט
6	50	7	2	108F/M/G.020060750
6	50	12	3	108F/M/G.030061250
6	50	20	4	108F/M/G.040062050
6	75	25	5	108F/M/G.050062575
6	75	35	6	108F/M/G.060063575
8	100	40	8	108M/F/G.0800840100
10	72	30	10	108M/F/G.100103072
12	83	32	12	108M/F/G.120123283



106RF/RM

כרסום כדורי
לפיבר גלאס

קנה	אורך כללי	אורך פעיל	קוטר	מק"ט
6	50	12	3	106RF/RM.030061250
6	50	20	4	106RF/RM.040062050
6	75	25	5	106RF/RM.050062575
6	75	35	6	106RF/RM.060063575
8	63	25	8	106RF/RM.080082563
8	100	40	8	106RF/RM.0800840100
10	72	30	10	106RF/RM.100103072
12	83	32	12	106RF/RM.120123283



66SU

כרסום CFRP
(מצופה TAC)

Z	קנה	אורך כללי	אורך פעיל	קוטר	מק"ט
6	6	57	7	2	66SU.020060757
6	6	57	12	3	66SU.030061257
6	6	57	20	4	66SU.040062057
6	6	57	16	5	66SU.050061657
6	6	57	18	6	66SU.060061857
6	6	75	35	6	66SU.060063575
6	8	63	20	8	66SU.080082063
6	8	100	40	8	66SU.0800840100
6	10	72	25	10	66SU.100102572
6	12	83	30	12	66SU.120123083



68DX

כרסום ל-CFRP
(מצופה יהלום)

קנה	אורך כללי	אורך פעיל	קוטר	מק"ט
6	60	16	4	68DX.040061660DM
6	60	20	6	68DX.060062060DM
6	75	35	6	68DX.060063575DM
8	75	32	8	68DX.080083275DM
8	100	40	8	68DX.0800840100DM
10	72	32	10	68DX.100103272DM
10	100	50	10	68DX.1001050100DM
12	83	32	12	68DX.120123283DM
12	120	60	12	68DX.1201260120DM



68RDX

כרסום כדורי ל-CFRP
(מצופה יהלום)

קנה	אורך כללי	אורך פעיל	קוטר	מק"ט
6	60	19	4	68RDX.040061960DM
6	60	23	6	68RDX.060062360DM
8	75	36	8	68RDX.080083675DM
10	72	37	10	68RDX.100103772DM
12	83	38	12	68RDX.120123883DM

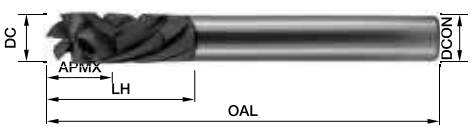


68SU

כרסום ל-CFRP
(מצופה יהלום)

קנה	אורך כללי	אורך פעיל	קוטר	מק"ט
6	60	16	5	68SU.050061660D
6	75	28	5	68SU.050062875D
6	60	20	6	68SU.060062060D
6	75	35	6	68SU.060063575D
8	63	22	8	68SU.080082263D
8	100	40	8	68SU.0800840100D
10	72	25	10	68SU.100102572D
10	100	50	10	68SU.1001050100D
12	83	30	12	68SU.120123083D
12	100	50	12	68SU.1201250100D

* ניתן לקבל ללא ציפוי.



104PH

כרסום ל-CFRP
(מצופה יהלום)

קנה	אורך כללי	אורך פעיל	קוטר	מק"ט
6	75	15	6	104PH.060061575DM
8	75	20	8	104PH.080082075DM
10	100	25	10	104PH.1001025100DM
12	100	30	12	104PH.1201230100DM

מקדחי קובלט תעופתיים "6



כמות באריזה	אורך חותך	קוטר אינצ'	מק"ט	WIRE
12	2-5/8	0.228	05-200	1
12	2-5/8	0.221	05-201	2
12	2-1/2	0.213	05-202	3
12	2-1/2	0.209	05-203	4
12	2-1/2	0.2055	05-204	5
12	2-1/2	0.204	05-205	6
12	2-7/16	0.201	05-206	7
12	2-7/16	0.199	05-207	8
12	2-7/16	0.196	05-208	9
12	2-7/16	0.1935	05-209	10
12	2-5/16	0.191	05-210	11
12	2-5/16	0.189	05-211	12
12	2-5/16	0.185	05-212	13
12	2-3/16	0.182	05-213	14
12	2-3/16	0.18	05-214	15
12	2-3/16	0.177	05-215	16
12	2-3/16	0.173	05-216	17
12	2-1/8	0.1695	05-217	18
12	2-1/8	0.166	05-218	19
12	2-1/8	0.161	05-219	20
12	2-1/8	0.159	05-220	21
12	2	0.157	05-221	22
12	2	0.154	05-222	23
12	2	0.152	05-223	24
12	1-7/8	0.1495	05-224	25
12	1-7/8	0.147	05-225	26
12	1-7/8	0.144	05-226	27
12	1-3/4	0.1405	05-227	28
12	1-3/4	0.136	05-228	29
12	1-5/8	0.1285	05-229	30
12	1-5/8	0.12	05-230	31
12	1-5/8	0.116	05-231	32
12	1-1/2	0.113	05-232	33
12	1-1/2	0.111	05-233	34
12	1-1/2	0.11	05-234	35
12	1-7/16	0.1065	05-235	36
12	1-7/16	0.104	05-236	37
12	1-3/8	0.098	05-239	40
12	1-3/8	0.096	05-240	41
12	1-1/4	0.0935	05-241	42
12	1-1/4	0.089	05-242	43
12	1-1/8	0.086	05-243	44
12	1-1/8	0.082	05-244	45
12	1-1/8	0.081	05-245	46
12	1	0.0785	05-246	47
12	1	0.076	05-247	48
12	1	0.073	05-248	49
12	1	0.07	05-249	50
12	1	0.067	05-250	51
12	1-7/8	0.0635	05-251	52

כמות באריזה	אורך חותך	קוטר אינצ'	מק"ט	קוטר
12	7/8	0.0625	04-100	1/16
12	1	0.0781	04-101	5/64
12	1-1/4	0.0938	04-102	3/32
12	1-1/2	0.1094	04-103	7/64
12	1-5/8	0.1250	04-104	1/8
12	1-3/4	0.1406	04-105	9/64
12	2	0.1562	04-106	5/32
12	2-1/8	0.1719	04-107	11/64
12	2-5/16	0.1875	04-108	3/16
12	2-7/16	0.2031	04-109	13/64
12	2-1/2	0.2188	04-110	7/32
12	2-5/8	0.2344	04-111	15/64
12	2-3/4	0.2500	04-112	1/4
12	2-7/8	0.2656	04-125	17/64
12	2-15/16	0.2812	04-114	9/32
6	3-1/16	0.2969	04-116	19/64
6	3-3/16	0.3125	04-115	5/16
6	3-5/16	0.3281	04-121	21/64
6	3-7/16	0.3438	04-120	11/32
6	3-1/2	0.3594	04-124	23/64
6	3-5/8	0.3750	04-113	3/8
6	3-3/4	0.3906	04-118	25/64
6	3-7/8	0.4062	04-119	13/32
6	4-1/16	0.4219	04-126	27/64
6	3-3/4	0.4375	04-117	7/16

כמות באריזה	אורך חותך	קוטר אינצ'	מק"ט	LETTER
6	2-3/4	0.238	06-418	B
6	2-3/4	0.242	06-408	C
6	2-3/4	0.246	06-403	D
6	2-7/8	0.257	06-402	F
6	2-7/8	0.261	06-401	G
6	2-7/8	0.272	06-413	I
6	2-7/8	0.277	06-404	J
6	2-15/16	0.281	06-405	K
6	3-1/46	0.295	06-409	M
6	3-1/16	0.302	06-410	N
6	3-5/8	0.368	06-407	U
6	3-3/4	0.386	06-416	W

מקדח "6 NAS 907 COBALT 135° SPLIT POINT

מקדחי קובלט תעופתיים "12



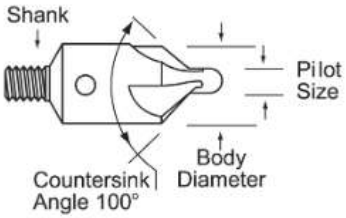
כמות באריזה	אורך חותך	קוטר אינצ'	מק"ט	WIRE
6	2-5/8	0.228	07-401	1
6	2-5/8	0.221	07-402	2
6	2-1/2	0.213	07-403	3
6	2-1/2	0.209	07-404	4
6	2-1/2	0.2055	07-405	5
6	2-1/2	0.204	07-406	6
6	2-7/16	0.201	07-407	7
6	2-7/16	0.199	07-408	8
6	2-7/16	0.196	07-409	9
12	2-7/16	0.1935	07-410	10
12	2-5/16	0.191	07-411	11
12	2-5/16	0.189	07-412	12
12	2-5/16	0.185	07-413	13
12	2-3/16	0.182	07-414	14
12	2-3/16	0.18	07-415	15
12	2-3/16	0.177	07-416	16
12	2-3/16	0.173	07-417	17
12	2-1/8	0.1695	07-418	18
12	2-1/8	0.166	07-419	19
12	2-1/8	0.161	07-420	20
12	2-1/8	0.159	07-421	21
12	2	0.157	07-422	22
12	2	0.154	07-423	23
12	2	0.152	07-424	24
12	1-7/8	0.1495	07-425	25
12	1-7/8	0.147	07-426	26
12	1-7/8	0.144	07-427	27
12	1-3/4	0.1405	07-428	28
12	1-3/4	0.136	07-429	29
12	1-5/8	0.1285	07-430	30
12	1-5/8	0.12	07-431	31
12	1-5/8	0.116	07-432	32
12	1-1/2	0.113	07-433	33
12	1-1/2	0.111	07-434	34
12	1-1/2	0.11	07-435	35
12	1-7/16	0.1065	07-436	36
12	1-7/16	0.104	07-437	37
12	1-7/16	0.1015	07-438	38
12	1-3/8	0.0995	07-439	39
12	1-3/8	0.098	07-440	40
12	1-3/8	0.096	07-441	41
12	1-1/4	0.0935	07-442	42
12	1-1/4	0.089	07-443	43
12	1-1/8	0.086	07-444	44
12	1-1/8	0.082	07-445	45
12	1-1/8	0.081	07-446	46
12	1	0.0785	07-447	47
12	1	0.076	07-448	48
12	1	0.073	07-449	49
12	1	0.07	07-450	50
12	1	0.067	07-451	51
12	1-7/8	0.0635	07-452	52

כמות באריזה	אורך חותך	קוטר אינצ'	מק"ט	קוטר
12	7/8	0.0625	06-300	1/16
12	1	0.0781	06-301	5/64
12	1-1/4	0.0938	06-302	3/32
12	1-1/2	0.1094	06-303	7/64
12	1-5/8	0.125	06-304	1/8
12	1-3/4	0.1406	06-305	9/64
12	2	0.1562	06-306	5/32
12	2-1/8	0.1719	06-307	11/64
12	2-5/16	0.1875	06-308	3/16
12	2-7/16	0.2031	06-309	13/64
12	2-1/2	0.2188	06-310	7/32
6	2-5/8	0.2344	06-311	15/64
6	2-3/4	0.25	06-312	1/4
6	2-7/8	0.2656	06-325	17/64
6	2-15/16	0.2812	06-316	9/32
6	3-1/16	0.2969	06-317	19/64
6	3-3/16	0.3125	06-313	5/16
6	3-5/16	0.3281	06-326	21/64
6	3-7/16	0.3438	06-321	11/32
6	3-1/2	0.3594	06-322	23/64
3	3-5/8	0.375	06-314	3/8
3	3-3/4	0.3906	06-327	25/64
3	3-7/8	0.4062	06-320	13/32
3	3-15/16	0.4219	06-324	27/64
3	4-1/16	0.4375	06-318	7/16
3	4-3/16	0.4531	06-328	29/64
3	4-5/16	0.4688	06-315	15/32
3	4-3/8	0.4844	06-329	31/64
3	4-1/2	0.5	06-319	1/2

כמות באריזה	אורך חותך	קוטר אינצ'	מק"ט	LETTER
6	2-3/4	0.242	06-500	C
6	2-3/4	0.246	06-501	D
6	2-3/4	0.257	06-502	F
6	2-3/4	0.316	06-510	O
6	2-3/4	0.368	06-519	U

מקדח 12" NAS 907 COBALT 135º SPLIT POINT

שקען תעופתי HSS 100°





מק"ט	קוטר מוביל	מידה אינצ'ית	קוטר גוף	תבריג
18-570	40	0.098	5/16	1/4-28
18-560	30	0.1285	5/16	1/4-28
18-505	21	0.159	5/16	1/4-28
18-506	13	0.185	5/16	1/4-28
18-509	10	0.1935	5/16	1/4-28
27-435	3/32"	0.0938	3/8	1/4-28
27-201	40	0.098	3/8	1/4-28
27-221	1/8"	0.125	3/8	1/4-28
27-202	30	0.1285	3/8	1/4-28
27-203	27	0.144	3/8	1/4-28
27-218	26	0.147	3/8	1/4-28
27-211	5/32"	0.1562	3/8	1/4-28
27-204	21	0.159	3/8	1/4-28
27-205	20	0.161	3/8	1/4-28
27-206	19	0.166	3/8	1/4-28
27-207	16	0.177	3/8	1/4-28
27-208	13	0.185	3/8	1/4-28
27-212	3/16"	0.1875	3/8	1/4-28
27-209	12	0.189	3/8	1/4-28
27-210	10	0.1935	3/8	1/4-28
27-215	8	0.199	3/8	1/4-28
27-217	6	0.204	3/8	1/4-28
27-439	7/32"	0.2187	3/8	1/4-28
27-216	D	0.246	3/8	1/4-28
27-213	1/4"	0.25	3/8	1/4-28
27-222	3/32"	0.0938	7/16	1/4-28
27-226	40	0.098	7/16	1/4-28
27-233	1/8"	0.125	7/16	1/4-28
27-227	30	0.1285	7/16	1/4-28
27-236	27	0.144	7/16	1/4-28
27-235	5/32"	0.1562	7/16	1/4-28
27-228	21	0.159	7/16	1/4-28
27-234	19	0.166	7/16	1/4-28
27-237	13	0.185	7/16	1/4-28
27-232	3/16"	0.1875	7/16	1/4-28
27-225	12	0.189	7/16	1/4-28
27-224	11	0.191	7/16	1/4-28
27-229	10	0.1935	7/16	1/4-28
27-223	7/32"	0.2188	7/16	1/4-28
27-199	D	0.246	7/16	1/4-28
27-230	1/4"	0.25	7/16	1/4-28
27-231	5/16"	0.3125	7/16	1/4-28

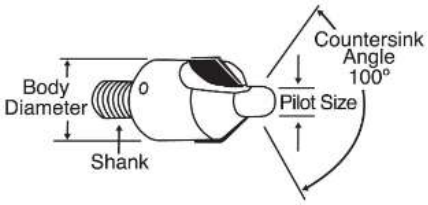
מק"ט	קוטר מוביל	מידה אינצ'ית	קוטר גוף	תבריג
27-260	3/32"	0.0938	1/2	1/4-28
27-251	40	0.098	1/2	1/4-28
27-261	1/8"	0.125	1/2	1/4-28
27-252	30	0.1285	1/2	1/4-28
27-253	27	0.144	1/2	1/4-28
27-262	5/32"	0.1562	1/2	1/4-28
27-254	21	0.159	1/2	1/4-28
27-269	20	0.161	1/2	1/4-28
27-298	19	0.166	1/2	1/4-28
27-255	16	0.177	1/2	1/4-28
27-256	13	0.185	1/2	1/4-28
27-263	3/16"	0.1875	1/2	1/4-28
27-268	12	0.189	1/2	1/4-28
27-243	11	0.191	1/2	1/4-28
27-257	10	0.1935	1/2	1/4-28
27-258	8	0.199	1/2	1/4-28
27-245	7	0.201	1/2	1/4-28
27-242	6	0.204	1/2	1/4-28
27-259	5	0.2055	1/2	1/4-28
27-241	4	0.209	1/2	1/4-28
27-244	3	0.213	1/2	1/4-28
27-264	7/32"	0.2188	1/2	1/4-28
27-240	A	0.234	1/2	1/4-28
27-273	B	0.238	1/2	1/4-28
27-270	D	0.246	1/2	1/4-28
27-265	1/4"	0.25	1/2	1/4-28
27-238	F	0.257	1/2	1/4-28
27-246	G	0.261	1/2	1/4-28
27-247	J	0.277	1/2	1/4-28
27-239	9/32"	0.2812	1/2	1/4-28
27-271	N	0.302	1/2	1/4-28
27-272	--	0.309	1/2	1/4-28
27-266	5/16"	0.3125	1/2	1/4-28
27-248	P	0.323	1/2	1/4-28
27-249	R	0.339	1/2	1/4-28
27-267	3/8"	0.375	1/2	1/4-28

מק"ט	קוטר מוביל	מידה אינצ'ית	קוטר גוף	תבריג
27-333	1/4"	0.25	9/16	1/4-28
27-331	0.374	0.39	9/16	1/4-28
27-332	0.405	0.405	9/16	1/4-28
27-276	40	0.098	5/8	1/4-28
27-277	30	0.1285	5/8	1/4-28
27-275	27	0.144	5/8	1/4-28
27-278	21	0.159	5/8	1/4-28
27-284	13	0.185	5/8	1/4-28
27-283	3/16"	0.1875	5/8	1/4-28
27-279	10	0.1935	5/8	1/4-28
27-285	D	0.246	5/8	1/4-28
27-280	1/4"	0.25	5/8	1/4-28
27-292	G	0.261	5/8	1/4-28
27-294	J	0.277	5/8	1/4-28
27-286	----	0.309	5/8	1/4-28
27-281	5/16"	0.3125	5/8	1/4-28
27-287	----	0.325	5/8	1/4-28
27-293	R	0.339	5/8	1/4-28
27-288	----	0.345	5/8	1/4-28
27-297	----	0.361	5/8	1/4-28
27-289	----	0.371	5/8	1/4-28
27-282	3/8"	0.375	5/8	1/4-28
27-306	40	0.098	3/4	3/8-24
27-307	30	0.1285	3/4	3/8-24
27-308	21	0.159	3/4	3/8-24
27-313	3/16"	0.1875	3/4	3/8-24
27-309	10	0.1935	3/4	3/8-24
27-301	D	0.246	3/4	3/8-24
27-310	1/4"	0.25	3/4	3/8-24
27-311	5/16"	0.3125	3/4	3/8-24
27-312	3/8"	0.375	3/4	3/8-24
27-314	7/16"	0.4375	3/4	3/8-24





שקען תעופתי מתק״ש / מולחם 100°



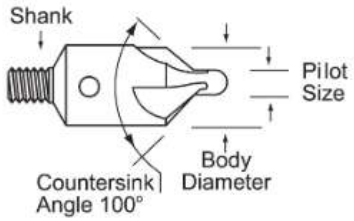


שקען תעופתי 100° מתק״ש מולחם

תבריג	קוטר גוף	מידה אינצ'ית	קוטר מוביל	מק״ט
1/4-28	3/8	0.0938	3/32"	36-542
1/4-28	3/8	0.098	40	36-548
1/4-28	3/8	0.125	1/8"	36-545
1/4-28	3/8	0.1285	30	36-543
1/4-28	3/8	0.144	27	36-546
1/4-28	3/8	0.1562	5/32"	36-547
1/4-28	3/8	0.159	21	36-541
1/4-28	3/8	0.161	20	36-544
1/4-28	3/8	0.177	16	36-549
1/4-28	3/8	0.185	13	36-550
1/4-28	3/8	0.1875	3/16"	36-551
1/4-28	3/8	0.1935	10	36-540
1/4-28	3/8	0.25	1/4"	36-552
1/4-28	1/2	0.098	40	36-453
1/4-28	1/2	0.125	1/8"	36-556
1/4-28	1/2	0.1285	30	36-452
1/4-28	1/2	0.144	27	36-503
1/4-28	1/2	0.1562	5/32"	36-553
1/4-28	1/2	0.159	21	36-557
1/4-28	1/2	0.161	20	36-451
1/4-28	1/2	0.177	16	36-502
1/4-28	1/2	0.185	13	36-554
1/4-28	1/2	0.1875	3/16"	36-539
1/4-28	1/2	0.189	12	36-789
1/4-28	1/2	0.191	11	36-450
1/4-28	1/2	0.1935	10	36-449
1/4-28	1/2	.1990	8	36-448
1/4-28	1/2	.2010	7	36-558
1/4-28	1/2	.2040	6	36-555
1/4-28	1/2	.2055	5	36-501
1/4-28	1/2	.2188	7/32"	36-447
1/4-28	1/2	.2460	D	36-559
1/4-28	1/2	.2500	1/4"	36-560
1/4-28	1/2	.2610	G	36-561
1/4-28	1/2	.3125	5/16"	36-562
1/4-28	5/8	.0980	40	36-563
1/4-28	5/8	.1285	30	36-564
1/4-28	5/8	.1590	21	36-565
1/4-28	5/8	.1930	10	36-566
1/4-28	5/8	.2460	D	36-567
1/4-28	5/8	.2500	1/4"	36-568
1/4-28	5/8	.2610	G	36-569
1/4-28	5/8	.3125	5/16"	36-570

שקען תעופתי 100° מתק״ש מלא

תבריג	קוטר גוף	מידה אינצ'ית	קוטר מוביל	מק״ט
1/4-28	3/8	0.098	40	36-700
1/4-28	3/8	0.1285	30	36-701
1/4-28	3/8	0.159	21	36-702
1/4-28	3/8	0.161	20	36-703
1/4-28	3/8	0.1935	10	36-704
1/4-28	1/2	0.098	40	36-710
1/4-28	1/2	0.125	1/8"	36-711
1/4-28	1/2	0.1285	30	36-712
1/4-28	1/2	0.159	21	36-713
1/4-28	1/2	0.161	20	36-714
1/4-28	1/2	0.185	13	36-715
1/4-28	1/2	0.1875	3/16"	36-716
1/4-28	1/2	0.1935	10	36-717
1/4-28	1/2	0.246	D	36-718
1/4-28	1/2	0.25	1/4"	36-719





טבלת המרת מידות

אינצ'י	מ"מ	אינצ'י עשרוני
	0.10	0.0039
	0.20	0.0079
	0.25	0.0098
	0.30	0.0118
#80	0.343	0.0135
#79	0.368	0.0145
1/64	0.396	0.0156
#78	0.406	0.0160
#77	0.457	0.0180
	0.5	0.0197
#76	0.508	0.0200
#75	0.533	0.0210
#74	0.572	0.0225
	0.60	0.0236
#73	0.610	0.0240
#72	0.635	0.0250
#71	0.660	0.0260
	0.70	0.0276
#70	0.711	0.0280
#69	0.742	0.0292
	0.75	0.0295
#68	0.787	0.0310
1/32	0.792	0.0312
	0.80	0.0315
#67	0.813	0.0320
#66	0.838	0.0330
#65	0.889	0.0350
	0.90	0.0354
#64	0.914	0.0360
#63	0.940	0.0370
#62	0.965	0.0380
#61	0.991	0.0390
	1.0	0.0394
#60	1.016	0.0400
#59	1.041	0.0410
#58	1.067	0.0420
#57	1.092	0.0430
#56	1.181	0.0465
3/64	1.191	0.0469
#55	1.321	0.0520
#54	1.397	0.0550
#53	1.511	0.0595
1/16	1.588	0.0625
#52	1.613	0.0635
#51	1.702	0.0670
#50	1.778	0.0700
#49	1.854	0.0730
#48	1.930	0.0760
5/64	1.984	0.0781
#47	1.994	0.0785
	2.0	0.0787

אינצ'י	מ"מ	אינצ'י עשרוני
#46	2.057	0.0810
#45	2.083	0.0820
#44	2.184	0.0860
#43	2.261	0.0890
#42	2.375	0.0935
3/32	2.383	0.0938
#41	2.438	0.0960
#40	2.489	0.0980
#39	2.527	0.0995
#38	2.578	0.1015
#37	2.642	0.1040
#36	2.705	0.1065
7/64	2.779	0.1094
#35	2.794	0.1100
#34	2.819	0.1110
#33	2.870	0.1130
#32	2.946	0.1160
	3.0	0.1181
#31	3.048	0.1200
1/8	3.175	0.1250
#30	3.264	0.1285
#29	3.454	0.1360
#28	3.569	0.1405
9/64	3.571	0.1406
#27	3.568	0.1440
#26	3.734	0.1470
#25	3.797	0.1495
#24	3.861	0.1520
#23	3.912	0.1540
5/32	3.967	0.1562
#22	3.988	0.1570
	4.0	0.1575
#21	4.039	0.1590
#20	4.089	0.1610
#19	4.249	0.1660
#18	4.366	0.1695
11/64	4.394	0.1719
#17	4.399	0.1730
#16	4.501	0.1770
#15	4.600	0.1800
#14	4.620	0.1820
#13	4.699	0.1850
3/16	4.801	0.1875
#12	4.851	0.1890
#11	4.900	0.1910
#10	4.978	0.1935
#9	4.98	0.1960
	5.0	0.1969
#8	5.100	0.1990
#7	5.159	0.2010
13/64	5.16	0.2031

אינצ'י	מ"מ	אינצ'י עשרוני
#6	5.182	0.2040
#5	5.220	0.2055
#4	5.309	0.2090
#3	5.410	0.2130
7/32	5.558	0.2188
#2	5.613	0.2210
#1	5.791	0.2280
A	5.944	0.2340
15/64	5.954	0.2344
	6.0	0.2362
B	6.045	0.2380
C	6.147	0.2420
D	6.248	0.2460
1/4	6.350	0.2500
E	6.350	0.2500
F	6.528	0.2570
G	6.629	0.2610
17/64	6.746	0.2656
H	6.756	0.2660
I	6.909	0.2720
	7.0	0.2756
J	7.036	0.2770
K	7.137	0.2810
9/32	7.142	0.2812
L	7.366	0.2900
M	7.493	0.2950
19/64	7.541	0.2969
N	7.671	0.3020
5/16	7.938	0.3215
	8.0	0.3150
O	8.026	0.3160
P	8.204	0.3230
21/64	8.334	0.3281
Q	8.433	0.3320
R	8.611	0.3390
11/32	8.733	0.3438
S	8.839	0.3480
	9.0	0.3543
T	9.093	0.3580
23/64	9.129	0.3594
U	9.347	0.3680
3/8	9.525	0.3750
V	9.56	0.3770
W	9.804	0.3860
25/64	9.921	0.3906
	10.0	0.3937
X	10.084	0.3970
Y	10.262	0.4040
13/32	10.317	0.4062
Z	10.490	0.4130
27/64	10.716	0.4219

אינצ'י	מ"מ	אינצ'י עשרוני
7/16	11.113	0.4375
29/64	11.509	0.4531
15/32	11.908	0.4688
	12.0	0.4724
31/64	12.304	0.4844
1/2	12.700	0.5000
	13.0	0.5118
33/64	13.096	0.5156
17/32	13.492	0.5312
35/64	13.891	0.5469
	14.0	0.5512
9/16	14.288	0.5625
37/64	14.684	0.5781
	15.0	0.5906
19/32	15.083	0.5938
39/64	15.479	0.6094
5/8	15.875	0.6250
	16.0	0.6299
41/64	16.271	0.6406
21/32	16.667	0.6562
	17.0	0.6693
43/64	17.066	0.6719
11/16	17.463	0.6875
45/64	17.859	0.7031
	18.0	0.7087
23/32	18.258	0.7188
47/64	18.654	0.7344
	19.0	0.7480
3/4	19.050	0.7500
49/64	19.446	0.7656
25/32	19.842	0.7812
	20.0	0.7874
51/64	20.241	0.7969
13/16	20.638	0.8125
	21.0	0.8268
53/64	21.034	0.8281
27/32	21.433	0.8438
55/64	21.831	0.8594
	22.0	0.8661
7/8	22.225	0.8750
57/64	22.621	0.8906
	23.0	0.9055
29/32	23.017	0.9062
59/64	23.416	0.9219
15/16	23.813	0.9375
	24.0	0.9449
61/64	24.209	0.9531
31/32	24.608	0.9688
	25.0	0.9843
63/64	25.004	0.9844
1	25.400	

משוריות מתק״ש לפלדות ואלומיניום

יש לציין DIN1837 למשורית פלדה או DIN1838 למשורית אלומיניום.

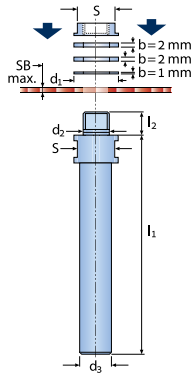
קוטר (קדח)	40 (10)	50 (13)	63 (16)	80 (22)	100 (22)	125 (22)	150 (32)	160 (32)	200 (32)	250 (32)
0.2	✓	✓	✓							
0.25	✓	✓	✓							
0.3	✓	✓	✓	✓						
0.4	✓	✓	✓	✓	✓					
0.45	✓	✓	✓	✓	✓					
0.5	✓	✓	✓	✓	✓	✓				
0.6	✓	✓	✓	✓	✓	✓				
0.7	✓	✓	✓	✓	✓	✓	✓			
0.8	✓	✓	✓	✓	✓	✓	✓	✓		
0.9	✓	✓	✓	✓	✓	✓	✓	✓		
1	✓	✓	✓	✓	✓	✓	✓	✓		
1.1	✓	✓	✓	✓	✓	✓	✓	✓		
1.2	✓	✓	✓	✓	✓	✓	✓	✓		
1.3	✓	✓	✓	✓	✓	✓	✓	✓		
1.4	✓	✓	✓	✓	✓	✓	✓	✓		
1.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	
1.6	✓	✓	✓	✓	✓	✓	✓	✓		
1.7	✓	✓	✓	✓	✓	✓	✓	✓		
1.8	✓	✓	✓	✓	✓	✓	✓	✓		
1.9	✓	✓	✓	✓	✓	✓	✓	✓		
2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



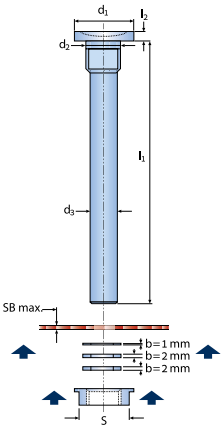
ניתן לקבל מידות נוספות לפי הצעה.

Karnasch®









5 6100 מחזיק משוריות סגירה קדמית מהמצח

מק״ט	d2 h6	d3 h6	d1	l1	l2	SB max	S
561000506	5	6	10	70	10	6	8
561000510	5	10	10	80	10	6	8
561000810	8	10	15	80	10	6	13
561000812	8	12	15	90	11	6	13
561001006	10	6	18	80	10.5	6	15
561001010	10	10	18	80	10.5	6	15
561001016	10	16	18	100	11.5	6	15
561001316	13	16	22	110	12	6	19
561001610	16	10	22	80	8	3	19
561001620	16	20	26	120	13	6	22
561002216	22	16	32	120	13	6	27

5 6101 מחזיק משוריות סגירה אחורית מהקנה

מק״ט	d2 h6	d3 h6	d1	l1	l2	SB max	S
561010504	5	4	10	50	2	6	8
561010806	8	6	15	70	2	6	13
561011008	10	8	18	90	2.5	6	15
561011310	13	10	22	110	2.5	6	19
561011612	16	12	26	120	2.5	6	22

מקדחים DIN 338 HSS / HSS-CO5 / HSS-CO8

HSS-OXIDE



338RNHSSCX_ _ _ _

HSS-G



03445_ _ _

HSS



338RNHSS_ _ _ _

HSS-E 5% cobalt



03447_ _ _

HSS-CO 5%



338RNHSSCO5_ _ _ _
338RTIHSSCO5_ _ _ _

POWER SPIKE



03448_ _ _

HSS-CO 8%



CL7037130_ _ _ _

מק"ט	מק"ט	מק"ט	מק"ט	מק"ט	מק"ט	מק"ט
1.0x12x34	3.0x33x61	5.0x52x86	7.0x69x109	9.0x81x125	11.0x94x142	13.0x101x151
1.1x14x36	3.1x36x65	5.1x52x86	7.1x69x109	9.1x81x125	11.1x94x142	13.5x108x160
1.2x16x38	3.2x36x65	5.2x52x86	7.2x69x109	9.2x81x125	11.2x94x142	14.0x108x160
1.3x16x38	3.3x36x65	5.3x52x86	7.3x69x109	9.3x81x125	11.3x94x142	14.5x114x169
1.4x18x40	3.4x39x70	5.4x57x93	7.4x69x109	9.4x81x125	11.4x94x142	15.0x114x169
1.5x18x40	3.5x39x70	5.5x57x93	7.5x69x109	9.5x81x125	11.5x94x142	15.5x120x178
1.6x20x43	3.6x39x70	5.6x57x93	7.6x75x117	9.6x87x133	11.6x94x142	16.0x120x178
1.7x20x43	3.7x39x70	5.7x57x93	7.7x75x117	9.7x87x133	11.7x94x142	16.5x125x184
1.8x22x46	3.8x43x75	5.8x57x93	7.8x75x117	9.8x87x133	11.8x94x142	17.0x125x184
1.9x22x46	3.9x43x75	5.9x57x93	7.9x75x117	9.9x87x133	11.9x101x151	17.5x130x191
2.0x24x49	4.043x75	6.0x57x93	8.0x75x117	10.0x87x133	12.0x101x151	18.0x130x191
2.1x24x49	4.1x43x75	6.1x63x101	8.1x75x117	10.1x87x133	12.1x101x151	18.5x135x198
2.2x27x53	4.2x43x75	6.2x63x101	8.2x75x117	10.2x87x133	12.2x101x151	19.0x135x198
2.3x27x53	4.3x47x80	6.3x63x101	8.3x75x117	10.3x87x133	12.3x101x151	19.5x140x205
2.4x30x57	4.4x47x80	6.4x63x101	8.4x75x117	10.4x87x133	12.4x101x151	20.0x140x205
2.5x30x57	4.5x47x80	6.5x63x101	8.5x75x117	10.5x87x133	12.5x101x151	
2.6x30x57	4.6x47x80	6.6x63x101	8.6x81x125	10.6x87x133	12.6x101x151	
2.7x33x61	4.7x47x80	6.7x63x101	8.7x81x125	10.7x94x142	12.7x101x151	
2.8x33x61	4.8x52xx86	6.8x69x109	8.8x81x125	10.8x94x142	12.8x101x151	
2.9x33x61	4.9x52x86	6.9x69x109	8.9x81x125	10.9x94x142	12.9x101x151	



פוטר אוטמטי

מק"ט	תחום	L	A	B	C	חיבור
4CZ-H10RS-B16	1-10	83	43	15.2	67.8	B16
4CZ-H13RS-B16	1.5-13	92.7	48.3	22.7	70	B16
4CZ-H16RS-B16	3-16	105	52.8	19	86	B16
4CZ-H20RS-B22	5-20	118	58.1	22	86	B22



פוטר ידני עם מפתח

מק"ט	תחום	L	A	B	C	חיבור
4CZ-H13K-1/2	1.5-13	70.4	42.2	14	34.5	1/2-20 UNF
4CZ-H13K-3/8	1.5-13	69.3	42	12.8	36.7	3/8-24 UNF
4CZ-H13K-B16	1.5-13	70	42	13	36.2	B16
4CZ-H16K-B16	3-16	80.4	50.9	12.4	44.4	B16
4CZ-H20K-B22	5-20	105	65	21.2	56.2	B22

קונוס לפוטר



מק"ט	חיבור	קונוס
SM-D291602F000S	B16	MK2
SM-D291603F000S	B16	MK3
SM-D291604F000S	B16	MK4
SM-D292203F000S	B22	MK3
SM-D292204F000S	B22	MK4

מקדחים ארוכים DIN 340 HSS / HSS-CO5



קוטר	פעיל	כללי	340RNHSS	340RNHSSCO5
0.5	25	50	340RNHSS0050	340RNHSSCO50050
0.6	25	50	340RNHSS0060	340RNHSSCO50060
0.7	30	50	340RNHSS0070	340RNHSSCO50070
0.8	30	52	340RNHSS0080	340RNHSSCO50080
0.9	30	52	340RNHSS0090	340RNHSSCO50090
1.0	33	56	340RNHSS0100	340RNHSSCO50100
1.1	37	60	340RNHSS0110	340RNHSSCO50110
1.2	41	65	340RNHSS0120	340RNHSSCO50120
1.3	41	65	340RNHSS0130	340RNHSSCO50130
1.4	45	70	340RNHSS0140	340RNHSSCO50140
1.5	45	70	340RNHSS0150	340RNHSSCO50150
1.6	50	76	340RNHSS0160	340RNHSSCO50160
1.7	50	76	340RNHSS0170	340RNHSSCO50170
1.8	53	80	340RNHSS0180	340RNHSSCO50180
1.9	53	80	340RNHSS0190	340RNHSSCO50190
2	56	85	340RNHSS0200	340RNHSSCO50200
2.1	56	85	340RNHSS0210	340RNHSSCO50210
2.2	59	90	340RNHSS0220	340RNHSSCO50220
2.3	59	90	340RNHSS0230	340RNHSSCO50230
2.4	62	95	340RNHSS0240	340RNHSSCO50240
2.5	62	95	340RNHSS0250	340RNHSSCO50250
2.6	62	95	340RNHSS0260	340RNHSSCO50260
2.7	66	100	340RNHSS0270	340RNHSSCO50270
2.8	66	100	340RNHSS0280	340RNHSSCO50280
2.9	66	100	340RNHSS0290	340RNHSSCO50290
3.0	66	100	340RNHSS0300	340RNHSSCO50300
3.1	69	106	340RNHSS0310	340RNHSSCO50310
3.2	69	106	340RNHSS0320	340RNHSSCO50320
3.3	69	106	340RNHSS0330	340RNHSSCO50330
3.4	73	112	340RNHSS0340	340RNHSSCO50340
3.5	73	112	340RNHSS0350	340RNHSSCO50350
3.6	73	112	340RNHSS0360	340RNHSSCO50360
3.7	73	112	340RNHSS0370	340RNHSSCO50370
3.8	78	119	340RNHSS0380	340RNHSSCO50380
3.9	78	119	340RNHSS0390	340RNHSSCO50390
4.0	78	119	340RNHSS0400	340RNHSSCO50400
4.1	78	119	340RNHSS0410	340RNHSSCO50410
4.2	78	119	340RNHSS0420	340RNHSSCO50420
4.3	82	126	340RNHSS0430	340RNHSSCO50430
4.4	82	126	340RNHSS0440	340RNHSSCO50440
4.5	82	126	340RNHSS0450	340RNHSSCO50450
4.6	82	126	340RNHSS0460	340RNHSSCO50460
4.7	82	126	340RNHSS0470	340RNHSSCO50470
4.8	87	132	340RNHSS0480	340RNHSSCO50480
4.9	87	132	340RNHSS0490	340RNHSSCO50490
5.0	87	132	340RNHSS0500	340RNHSSCO50500
5.1	87	132	340RNHSS0510	340RNHSSCO50510
5.2	87	132	340RNHSS0520	340RNHSSCO50520
5.3	87	132	340RNHSS0530	340RNHSSCO50530
5.4	91	139	340RNHSS0540	340RNHSSCO50540
5.5	91	139	340RNHSS0550	340RNHSSCO50550
5.6	91	139	340RNHSS0560	340RNHSSCO50560
5.7	91	139	340RNHSS0570	340RNHSSCO50570
5.8	91	139	340RNHSS0580	340RNHSSCO50580
5.9	91	139	340RNHSS0590	340RNHSSCO50590
6.0	91	139	340RNHSS0600	340RNHSSCO50600
6.1	97	148	340RNHSS0610	340RNHSSCO50610
6.2	97	148	340RNHSS0620	340RNHSSCO50620
6.3	97	148	340RNHSS0630	340RNHSSCO50630

קוטר	פעיל	כללי	340RNHSS	340RNHSSCO5
6.4	97	148	340RNHSS0640	340RNHSSCO50640
6.5	97	148	340RNHSS0650	340RNHSSCO50650
6.6	97	148	340RNHSS0660	340RNHSSCO50660
6.7	97	148	340RNHSS0670	340RNHSSCO50670
6.8	102	156	340RNHSS0680	340RNHSSCO50680
6.9	102	156	340RNHSS0690	340RNHSSCO50690
7.0	102	156	340RNHSS0700	340RNHSSCO50700
7.1	102	156	340RNHSS0710	340RNHSSCO50710
7.2	102	156	340RNHSS0720	340RNHSSCO50720
7.3	102	156	340RNHSS0730	340RNHSSCO50730
7.4	102	156	340RNHSS0740	340RNHSSCO50740
7.5	102	156	340RNHSS0750	340RNHSSCO50750
7.6	109	165	340RNHSS0760	340RNHSSCO50760
7.7	109	165	340RNHSS0770	340RNHSSCO50770
7.8	109	165	340RNHSS0780	340RNHSSCO50780
7.9	109	165	340RNHSS0790	340RNHSSCO50790
8.0	109	165	340RNHSS0800	340RNHSSCO50800
8.1	109	165	340RNHSS0810	340RNHSSCO50810
8.2	109	165	340RNHSS0820	340RNHSSCO50820
8.3	109	165	340RNHSS0830	340RNHSSCO50830
8.4	109	165	340RNHSS0840	340RNHSSCO50840
8.5	109	165	340RNHSS0850	340RNHSSCO50850
8.6	115	175	340RNHSS0860	340RNHSSCO50860
8.7	115	175	340RNHSS0870	340RNHSSCO50870
8.8	115	175	340RNHSS0880	340RNHSSCO50880
8.9	115	175	340RNHSS0890	340RNHSSCO50890
9.0	115	175	340RNHSS0900	340RNHSSCO50900
9.1	115	175	340RNHSS0910	340RNHSSCO50910
9.2	115	175	340RNHSS0920	340RNHSSCO50920
9.3	115	175	340RNHSS0930	340RNHSSCO50930
9.4	115	175	340RNHSS0940	340RNHSSCO50940
9.5	115	175	340RNHSS0950	340RNHSSCO50950
9.6	121	184	340RNHSS0960	340RNHSSCO50960
9.7	121	184	340RNHSS0970	340RNHSSCO50970
9.8	121	184	340RNHSS0980	340RNHSSCO50980
9.9	121	184	340RNHSS0990	340RNHSSCO50990
10.0	121	184	340RNHSS1000	340RNHSSCO51000
10.3	121	184	340RNHSS1030	340RNHSSCO51030
10.5	121	184	340RNHSS1050	340RNHSSCO51050
10.8	128	195	340RNHSS1080	340RNHSSCO51080
11.0	128	195	340RNHSS1100	340RNHSSCO51100
11.5	128	195	340RNHSS1150	340RNHSSCO51150
12.0	134	205	340RNHSS1200	340RNHSSCO51200
12.5	134	205	340RNHSS1250	340RNHSSCO51250
13.0	134	205	340RNHSS1300	340RNHSSCO51300
13.5	140	214	340RNHSS1350	340RNHSSCO51350
14.0	140	214	340RNHSS1400	340RNHSSCO51400
14.5	144	220	340RNHSS1450	340RNHSSCO51450
15.0	144	220	340RNHSS1500	340RNHSSCO51500
15.5	149	227	340RNHSS1550	340RNHSSCO51550
16.0	149	227	340RNHSS1600	340RNHSSCO51600
16.5	154	235	340RNHSS1650	340RNHSSCO51650
17.0	154	235	340RNHSS1700	340RNHSSCO51700
17.5	158	241	340RNHSS1750	340RNHSSCO51750
18.0	158	241	340RNHSS1800	340RNHSSCO51800
18.5	162	247	340RNHSS1850	340RNHSSCO51850
19.0	162	247	340RNHSS1900	340RNHSSCO51900
19.5	166	254	340RNHSS1950	340RNHSSCO51950
20.0	166	254	340RNHSS2000	340RNHSSCO52000



DIN 1869/1

1869/1RNHSS

2x85x125	6.5x150x215
2.1x85x125	6.6x150x215
2.2x90x135	6.7x150x215
2.3x90x135	6.8x155x225
2.4x95x140	6.9x155x225
2.5x95x140	7.0x155x225
2.6x95x140	7.1x155x225
2.7x100x150	7.2x155x225
2.8x100x150	7.3x155x225
2.9x100x150	7.4x155x225
3.0x100x150	7.5x155x225
3.1x105x155	7.6x165x240
3.2x105x155	7.7x165x240
3.3x105x155	7.8x165x240
3.4x115x165	7.9x165x240
3.5x115x165	8.0x165x240
3.6x115x165	8.1x165x240
3.7x115x165	8.2x165x240
3.8x120x175	8.3x165x240
3.9x120x175	8.4x165x240
4.0x120x175	8.5x165x240
4.1x120x175	8.6x175x250
4.2x120x175	8.7x175x250
4.3x125x185	8.8x175x250
4.4x125x185	8.9x175x250
4.5x125x185	9.0x175x250
4.6125x185	9.1x175x250
4.7x125x185	9.2x175x250
4.8x135x195	9.3x175x250
4.9x135x195	9.4x175x250
5.0x135x195	9.5x175x250
5.1x135x195	9.6x185x265
5.2x135x195	9.7x185x265
5.3x135x195	9.8x185x265
5.4x140x205	9.9x185x265
5.5x140x205	10.0x185x265
5.6x140x205	10.3x185x265
5.7x140x205	10.5x185x265
5.8x140x205	10.8x195x280
5.9x140x205	11.0x195x280
6.0x140x205	11.5x195x280
6.1x150x215	12.0x205x295
6.2x150x215	12.5x205x295
6.3x150x215	13.0x205x295
6.4x150x215	

DIN 1869/2

1869/2RNHSS

2.7x130x190	6.9x200x290
2.8x130x190	7.0x200x290
3.0x130x190	7.1x200x290
3.1x135x200	7.2x200x290
3.2x135x200	7.3x200x290
3.3x135x200	7.4x200x290
3.4x145x210	7.5x200x290
3.5x145x210	7.6x210x305
3.6x145x210	7.7x210x305
3.7x145x210	7.8x210x305
3.8x150x220	7.9x210x305
3.9x150x220	8.0x210x305
4.0x150x220	8.1x210x305
4.1x150x220	8.2x210x305
4.2x150x220	8.3x210x305
4.3x160x235	8.4x210x305
4.4x160x235	8.5x210x305
4.5x160x235	8.6x220x320
4.6x160x235	8.7x220x320
4.7x160x235	8.8x220x320
4.8x170x245	8.9x220x320
4.9x170x245	9.0x220x320
5.0x170x245	9.1x220x320
5.1x170x245	9.2x220x320
5.2x170x245	9.3x220x320
5.3x175x245	9.4x220x320
5.4x180x260	9.5x220x320
5.5x180x260	9.6x235x340
5.6x180x260	9.7x235x340
5.7x180x260	9.8x235x340
5.8x180x260	9.9x235x340
5.9x180x260	10.0x235x340
6.0x180x260	10.3x235x340
6.1x190x275	10.5x235x340
6.2x190x275	10.8x250x365
6.3x190x275	11x250x365
6.4x190x275	11.5x250x365
6.5x190x275	12x260x375
6.6x190x275	12.5x260x375
6.7x190x275	13.0x260x375
6.8x200x290	

DIN 1869/3

1869/3RNHSS

3.4x180x265	7.2x250x370
3.5x180x265	7.3x250x370
3.6x180x265	7.4x250x370
3.7x180x265	7.5x250x370
3.8x190x280	7.6x265x390
3.9x190x280	7.7x265x390
4.0x190x280	7.8x265x390
4.1x190x280	7.9x265x390
4.2x190x280	8.0x265x390
4.3x200x295	8.1x265x390
4.4x200x295	8.2x265x390
4.5x200x295	8.3x265x390
4.6x200x295	8.4x265x390
4.7x200x295	8.5x265x390
4.8x210x315	8.6x280x410
4.9x210x315	8.7x280x410
5.0x210x315	8.8x280x410
5.1210x315	8.9x280x410
5.2x210x315	9.0x280x410
5.3x210x315	9.1x280x410
5.4x225x330	9.2x280x410
5.5x225x330	9.3x280x410
5.6x225x330	9.4x280x410
5.7x225x330	9.5x280x410
5.8x225x330	9.6x295x430
5.9x225x330	9.7x295x430
6.0x225x330	9.8x295x430
6.1x235x350	9.9x295x430
6.2x235x350	10.0x295x430
6.3x235x350	10.3x295x430
6.4x235x350	10.5x295x430
6.5x235x350	10.8x310x455
6.6x235x350	11.0x310x455
6.7x235x350	11.5x310x455
6.8x250x370	12.0x315x480
6.9x250x370	12.5x315x480
7.0x250x370	13.0x315x480
7.1x250x370	

* ניתן להזמין גם בקובלט.

מקדחים קנה קוני DIN 345

HSS



03454_ _ _
VK1140_ _ _ _

HSS-CO



VK1143_ _ _ _

קובלט עד קוטר 40

MK1	8.0x75x156
	8.5x75x156
	9.0x81x162
	9.5x81x162
	10.0x87x168
	10.5x87x168
	11.0x94x175
	11.5x94x175
	12.0x101x182
	12.5x101x182
	13.0x101x182
	13.5x108x189
	14.0x108x189
MK2	14.5x114x212
	15.0x114x212
	15.5x120x218
	16.0x120x218
	16.5x125x223
	17.0x125x223
	17.5x130x228
	18.0x130x228
	18.5x135x233
	19.0x135x233
	19.5x140x238
	20.0x140x238
	20.5x145x243
	21.0x145x243
	22.0x150x248
	22.5x155x253
	23.0x155x253

MK3	23.5x155x276
	24.0x160x281
	25.0x160x281
	26.0x165x286
	27.0x170x291
	28.0x170x291
	29.0x175x296
	30.0x175x296
	31.0x180x301
MK4	32.0x185x334
	33.0x185x334
	34.0x190x339
	35.0x190x339
	36.0x195x344
	37.0x195x344
	38.0x200x349
	39.0x200x349
	40.0x200x349
	41.0x205x354
	42.0x205x354
	43.0x210x359
	44.0x210x359
	45.0x210x359
	46.0x215x364
	47.0x215x364
	48.0x220x369
	49.0x220x369
	50.0x220x369

MK5	51.0x225x412
	52.0x225x412
	53.0x225x412
	54.0x230x417
	55.0x230x417
	56.0x230x417
	57.0x235x422
	58.0x235x422
	59.0x235x422
	60.0x235x422
	61.0x240x427
	62.0x240x427
	63.0x240x427
	64.0x245x432
	65.0x245x432
	66.0x245x432
	67.0x245x432
	68.0x250x437
	69.0x250x437
	70.0x250x437
	71.0x250x437
	72.0x255x442
	73.0x255x442
	74.0x255x442
	75.0x255x442
	76.0x260x447

MK6	77.0x260x514
	78.0x260x514
	79.0x260x514
	80.0x260x514
	81.0x265x519
	82.0x265x519
	83.0x265x519
	84.0x265x519
	85.0x265x519
	86.0x270x524
	87.0x270x524
	88.0x270x524
	89.0x270x524
	90.0x270x524



חולץ קונוס

מק"ט	מידה	תואם ל-MK
241279-1	1	1-2
241279-3	3	3-4
241279-5	5	5-6



תותב הארכה DIN 2187

מק"ט	חיצוני	פנימי
SM-D450101F000S	1	1
SM-D450202F000S	2	2
SM-D450303F000S	3	3
SM-D450404F000S	4	4
SM-D450505F000S	5	5
SM-D450102F000S	1	2
SM-D450203F000S	2	3
SM-D450304F000S	3	4
SM-D450405F000S	4	5
SM-D450302F000S	3	2
SM-D450402F000S	4	2
SM-D450403F000S	4	3
SM-D450504F000S	5	4
SM-D450605F000S	6	5



קונוס מעבר DIN 2185

מק"ט	חיצוני	פנימי
SM-D400201F000S	2	1
SM-D400301F000S	3	1
SM-D400302F000S	3	2
SM-D400401F000S	4	1
SM-D400402F000S	4	2
SM-D400403F000S	4	3
SM-D400501F000S	5	1
SM-D400502F000S	5	2
SM-D400503F000S	5	3
SM-D400504F000S	5	4
SM-D400602F000S	6	2
SM-D400603F000S	6	3
SM-D400604F000S	6	4
SM-D400605F000S	6	5



מקדחים קנה קוני ארוכים קובלט

קוטר	קנה	HSS-CO DIN 341 OX - 241LS		HSS-CO DIN1870/1 OX - 2701LS		HSS-CO DIN1870/2 OX - 2702LS	
		*מק"ט	D x l / l1 x L	*מק"ט	D x l / l1 x L	*מק"ט	D x l / l1 x L
13	MT1	P241LS1300	13x134x215	P2701LS1300	13x205x310	P2702LS1300	13x260x395
14	MT1	P241LS1400	14x142x223	P2701LS1400	14x220x325	P2702LS1400	14x275x410
14.5	MT2	P241LS1450	14.5x147x245	P2701LS1450	14.5x220x340	P2702LS1450	14.5x275x425
15	MT2	P241LS1500	15x147x245	P2701LS1500	15x220x340	P2702LS1500	15x275x425
15.5	MT2	P241LS1550	15.5x153x251	P2701LS1550	15.5x230x355	P2702LS1550	15.5x295x445
16	MT2	P241LS1600	16x153x251	P2701LS1600	16x230x355	P2702LS1600	16x295x445
16.5	MT2	P241LS1650	16.5x159x257	P2701LS1650	16.5x230x355	P2702LS1650	16.5x295x445
17	MT2	P241LS1700	17x159x257	P2701LS1700	17x230x355	P2702LS1700	17x295x445
17.5	MT2	P241LS1750	17.5x165x263	P2701LS1750	17.5x245x370	P2702LS1750	17.5x310x445
18	MT2	P241LS1800	18x165x263	P2701LS1800	18x245x370	P2702LS1800	18x310x465
18.5	MT2	P241LS1850	18.5x171x269	P2701LS1850	18.5x245x370	P2702LS1850	18.5x310x465
19	MT2	P241LS1900	19x171x269	P2701LS1900	19x245x370	P2702LS1900	19x310x465
19.5	MT2	P241LS1950	19.5x177x275	P2701LS1950	19.5x260x385	P2702LS1950	19.5x325x490
20	MT2	P241LS2000	20x177x275	P2701LS2000	20x260x385	P2702LS2000	20x325x490
21	MT2	P241LS2100	21x184x282	P2701LS2100	21x260x385	P2702LS2100	21x325x490
22	MT2	P241LS2200	22x191x289	P2701LS2200	22x270x405	P2702LS2200	22x345x515
23	MT2	P241LS2300	23x198x296	P2701LS2300	23x270x405	P2702LS2300	23x345x515
24	MT3	P241LS2400	24x206x327	P2701LS2400	24x290x440	P2702LS2400	24x365x555
25	MT3	P241LS2500	25x206x327	P2701LS2500	25x290x440	P2702LS2500	25x365x555
26	MT3	P241LS2600	26x214x335	P2701LS2600	26x290x440	P2702LS2600	26x365x55
27	MT3	P241LS2700	27x222x343	P2701LS2700	27x305x460	P2702LS2700	27x385x80
28	MT3	P241LS2800	28x222x343	P2701LS2800	28x305x460	P2702LS2800	28x385x580
29	MT3	P241LS2900	29x230x351	P2701LS2900	29x305x460	P2702LS2900	29x385x580
30	MT3	P241LS3000	30x230x351	P2701LS3000	30x305x460	P2702LS3000	30x385x580

מקדח קנה חרוט 13 מ"מ

S338RCZ002HSS_ _ _ _/10
S338RCZ002HSS_ _ _ _/13



מק"ט	DxI1xL
03462135	13.5x108x160
03462140	14x108x160
03462145	14.5x114x169
03462150	15x114x169
03462155	15.5x120x178
03462160	16x120x178
03462165	16.5x125x184
03462170	17x125x184
03462175	17.5x130x191
03462180	18x130x191
03462185	18.5x135x198
03462190	19x135x198
03430195	19.5x140x205

מק"ט	DxI1xL
03462200	20x140x205
03462205	20.5x145x205
03462210	21x145x205
03462215	21.5x150x210
03462220	22x150x210
03462230	23x155x215
03462240	24x160x220
03462250	25x160x220
03462260	26x165x235
03462270	27x170x235
03462280	28x170x235
03462290	29x175x240
03462300	30x175x240

מקדחים לפטישון SDS PLUS



מק"ט	קוטר	פעיל	א.כללי
CZS-P4-5-110	5	45	110
CZS-P4-5-160	5	95	160
CZS-P4-5-210	5	142	210
CZS-P4-6-110	6	45	110
CZS-P4-6-160	6	95	160
CZS-P4-6-210	6	142	210
CZS-P4-6-260	6	190	260
CZS-P4-6.5-210	6.5	142	210
CZS-P4-6.5-260	6.5	190	260
CZS-P4-6.5-310	6.5	240	310
CZS-P4-8-110	8	45	110
CZS-P4-8-160	8	95	160
CZS-P4-8-210	8	142	210
CZS-P4-8-260	8	190	260
CZS-P4-8-310	8	240	310
CZS-P4-8-350	8	280	350
CZS-P4-8-450	8	380	450
CZS-P4-9-260	9	190	260
CZS-P4-9-310	9	240	310
CZS-P4-10-110	10	45	110
CZS-P4-10-160	10	95	160
CZS-P4-10-210	10	142	210
CZS-P4-10-260	10	190	260
CZS-P4-10-310	10	240	310
CZS-P4-10-350	10	280	350
CZS-P4-10-400	10	330	400
CZS-P4-10-450	10	380	450
CZS-P4-10-600	10	530	600
CZS-P4-11-260	11	180	260
CZS-P4-11-310	11	230	310
CZS-P4-12-110	12	50	110
CZS-P4-12-160	12	93	160
CZS-P4-12-210	12	133	210
CZS-P4-12-260	12	180	260
CZS-P4-12-310	12	230	310
CZS-P4-12-350	12	270	350
CZS-P4-12-400	12	320	400
CZS-P4-12-450	12	370	450
CZS-P4-12-600	12	510	600
CZS-P4-12-800	12	700	800
CZS-P4-12-1000	12	900	1000

מק"ט	קוטר	פעיל	א.כללי
CZS-P4-13-260	13	180	260
CZS-P4-13-310	13	230	310
CZS-P4-14-160	14	83	160
CZS-P4-14-210	14	133	210
CZS-P4-14-260	14	180	260
CZS-P4-14-310	14	230	310
CZS-P4-14-350	14	270	350
CZS-P4-14-400	14	320	400
CZS-P4-14-450	14	370	450
CZS-P4-14-600	14	510	600
CZS-P4-14-800	14	700	800
CZS-P4-14-1000	14	900	1000
CZS-P4-16-160	16	83	160
CZS-P4-16-210	16	133	210
CZS-P4-16-260	16	180	260
CZS-P4-16-310	16	240	310
CZS-P4-16-350	16	270	350
CZS-P4-16-400	16	320	400
CZS-P4-16-450	16	370	450
CZS-P4-16-600	16	510	600
CZS-P4-16-800	16	700	800
CZS-P4-16-1000	16	900	1000
CZS-P4-18-210	18	130	210
CZS-P4-18-260	18	180	260
CZS-P4-18-310	18	240	310
CZS-P4-18-350	18	270	350
CZS-P4-18-400	18	320	400
CZS-P4-18-450	18	370	450
CZS-P4-18-600	18	510	600
CZS-P4-18-800	18	700	800
CZS-P4-18-1000	18	900	1000
CZS-P4-20-210	20	130	210
CZS-P4-20-260	20	180	260
CZS-P4-20-310	20	240	310
CZS-P4-20-350	20	270	350
CZS-P4-20-400	20	320	400
CZS-P4-20-460	20	370	460
CZS-P4-20-600	20	510	600
CZS-P4-20-800	20	700	800
CZS-P4-20-1000	20	900	1000

מק"ט	קוטר	פעיל	א.כללי
CZS-P4-22-210	22	130	210
CZS-P4-22-260	22	175	260
CZS-P4-22-310	22	225	310
CZS-P4-22-350	22	265	350
CZS-P4-22-400	22	315	400
CZS-P4-22-460	22	375	460
CZS-P4-22-600	22	505	600
CZS-P4-22-800	22	700	800
CZS-P4-22-1000	22	900	1000
CZS-P4-25-210	25	130	210
CZS-P4-25-260	25	175	260
CZS-P4-25-310	25	225	310
CZS-P4-25-350	25	265	350
CZS-P4-25-400	25	315	400
CZS-P4-25-460	25	375	460
CZS-P4-25-600	25	505	600
CZS-P4-25-800	25	700	800
CZS-P4-25-1000	25	900	1000
CZS-P4-28-280	28	195	280
CZS-P4-28-340	28	255	340
CZS-P4-28-400	28	315	400
CZS-P4-28-505	28	420	505
CZS-P4-28-600	28	505	600
CZS-P4-28-800	28	700	800
CZS-P4-28-1000	28	900	1000
CZS-P4-30-280	30	195	280
CZS-P4-30-340	30	255	340
CZS-P4-30-400	30	315	400
CZS-P4-30-505	30	420	505
CZS-P4-30-600	30	505	600
CZS-P4-30-800	30	700	800
CZS-P4-30-1000	30	900	1000

מברז ספירלי פס כחול פלדה ונירוסטה

SP-VA



HSS-E | OX | 2.5P THCHT

ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)	
P2	≤10	★	P4	≤10	☆	M1	≤10	★
P3	≤10	★	P7	≤10	★			

★ 1st choice ☆ suitable

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
M2X0.4	ISO2(6H)	1.6	SD2.0EAGEX
M2.5X0.45	ISO2(6H)	2.1	SD2.5FAGEX
M3X0.5	ISO2(6H)	2.5	SD3.0GAGEX
	ISO3(6G)	2.5	SD3.0GMGEX
M4X0.7	ISO2(6H)	3.3	SD4.0IAGEX
	ISO3(6G)	3.3	SD4.0IMGEX
M5X0.8	ISO2(6H)	4.2	SD5.0KAGEX
	ISO3(6G)	4.2	SD5.0KMGEX
M6X1	ISO2(6H)	5	SD6.0MAGEX
	ISO3(6G)	5	SD6.0MMGEX
M8X1.25	ISO2(6H)	6.8	SD8.0NAGEX
	ISO3(6G)	6.8	SD8.0NMGEX
M10X1.5	ISO2(6H)	8.5	SD010OAGEX
	ISO3(6G)	8.5	SD010OMGEX

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
M8X1.25	ISO2(6H)	6.8	SG8.0NAGEX
M10X1.5	ISO2(6H)	8.5	SG010OAGEX
M12X1.75	ISO2(6H)	10.3	SG012PAGEX
	ISO3(6G)	10.3	SG012PMGEX
M14X2	ISO2(6H)	12	SG014QAGEX
M16X2	ISO2(6H)	14	SG016QAGEX
M18X2.5	ISO2(6H)	15.5	SG018RAGEX
M20X2.5	ISO2(6H)	17.5	SG020RAGEX
M22X2.5	ISO2(6H)	19.5	SG022RAGEX
M24X3	ISO2(6H)	21	SG024SAGEX
M27X3	ISO2(6H)	24	SG027SAGEX
M30X3.5	ISO2(6H)	26.5	SG030TAGEX
M36X4	ISO2(6H)	32	SG036UAGEX

MF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
M6X0.75	ISO2(6H)	5.3	SM6.0JAGEX
M8X1	ISO2(6H)	7	SM8.0MAGEX
M8X0.75	ISO2(6H)	7.3	SM8.0JAGEX
M10X1.25	ISO2(6H)	8.8	SM010NAGEX
M10X1	ISO2(6H)	9	SM010MAGEX
M12X1.5	ISO2(6H)	10.5	SM012OAGEX
M12X1.25	ISO2(6H)	10.8	SM012NAGEX
M12X1	ISO2(6H)	11	SM012MAGEX
M14X1.5	ISO2(6H)	12.5	SM014OAGEX
M14X1	ISO2(6H)	13	SM014MAGEX
M16X1.5	ISO2(6H)	14.5	SM016OAGEX
M16X1	ISO2(6H)	15	SM016MAGEX
M18X1.5	ISO2(6H)	16.5	SM018OAGEX
M20X1.5	ISO2(6H)	18.5	SM020OAGEX
M22X1.5	ISO2(6H)	20.5	SM022OAGEX
M24X2	ISO2(6H)	22	SM024QAGEX
M24X1.5	ISO2(6H)	22.5	SM024OAGEX
M27X2	ISO2(6H)	25	SM027QAGEX
M30X2	ISO2(6H)	28	SM030QAGEX
M30X1.5	ISO2(6H)	28.5	SM030OAGEX

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
+ No.2-56UNC	GH2	1.8	Y84623
+ No.3-48UNC	GH2	2.09	Y84600
No.4-40UNC	2B	2.3	SDUN4HXGEX
+ No.5-40UNC	GH2	2.6	Y84603
No.6-32UNC	2B	2.8	SDUN6JXGEX
No.8-32UNC	2B	3.4	SDUN8JXGEX
No.10-24UNC	2B	3.89	SDUNAMXGEX
+ No.12-24UNC	GH3	4.5	Y84688
1/4-20UNC	2B	5.1	SDU04NXGEX
5/16-18UNC	2B	6.6	SDU05OXGEX
3/8-16UNC	2B	8	SDU06PXGEX

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
7/16-14UNC	2B	9.4	SGU07QXGEX
1/2-13UNC	2B	10.9	SGU08RXGEX
9/16-12UNC	2B	12.2	SGU09SXGEX
5/8-11UNC	2B	13.6	SGU10UXGEX
3/4-10UNC	2B	16.6	SGU12VXGEX
7/8-9UNC	2B	19.6	SGU14WXGEX
1 -8UNC	2B	22.3	SGU16XXGEX
1 1/8-7UNC	2B	25	SGU18YXGEX
1 1/4-7UNC	2B	28.2	SGU20YXGEX
1 3/8-6UNC	2B	30.8	SGU22ZXGEX
1 1/2-6UNC	2B	34	SGU24ZXGEX

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
+ No.4-48UNF	GH2	2.4	Y84683
+ No.6-40UNF	GH2	2.9	Y84685
+ No.8-36UNF	GH2	3.5	Y84687
No.10-32UNF	2B	4.1	SDUNAJXGEX
1/4-28UNF	2B	5.5	SDU04KXGEX

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
5/16-24UNF	2B	6.9	SMU05MXGEX
3/8-24UNF	2B	8.5	SMU06MXGEX
7/16-20UNF	2B	9.9	SMU07NXGEX
1/2-20UNF	2B	11.5	SMU08NXGEX
9/16-18UNF	2B	12.9	SMU09OXGEX
5/8-18UNF	2B	14.5	SMU10OXGEX
3/4-16UNF	2B	17.5	SMU12PXGEX
7/8-14UNF	2B	20.5	SMU14QXGEX
1 -12UNF	2B	23.3	SMU16SXGEX

+ ANSI

Oversized

מברז גאן פס כחול פלדה ונירוסטה

PO-VA



HSS-E | OX | 4.5P THCHT

ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)	
P1	≤10	★	P4	≤10	☆	M1	≤10	★
P2	≤10	★	P7	≤10	★	M2	≤10	☆
P3	≤10	★						

★ 1st choice ☆ suitable

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
* M1.4X0.3	P1	1.1	PUPP1.4C
* M1.6X0.35	P2	1.25	PUPQ1.6D
* M1.7X0.35	P2	1.35	PUPQ1.7D
M2X0.4	ISO2X(6HX)	1.6	PD2.0EBGEX
* M2.3X0.4	P2	1.9	PUPQ2.3E
M2.5X0.45	ISO2X(6HX)	2.1	PD2.5FBGEX
M2.6X0.45	P2	2.2	PUPQ2.6F
M3X0.5	ISO2X(6HX)	2.5	PD3.0GBGEX
M3.5X0.6	P2	2.9	PUMQ3.5H
M4X0.7	ISO2X(6HX)	3.3	PD4.0IBGEX
M5X0.8	ISO2X(6HX)	4.2	PD5.0KBGEX
M6X1	ISO2X(6HX)	5	PD6.0MBGEX
M8X1.25	ISO2X(6HX)	6.8	PD8.0NBGEX
M10X1.5	ISO2X(6HX)	8.5	PD010OBGEX

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
M8X1.25	ISO2X(6HX)	6.8	PG8.0NBGEX
M10X1.5	ISO2X(6HX)	8.5	PG010OBGEX
M12X1.75	ISO2X(6HX)	10.3	PG012PBGEX
M14X2	ISO2X(6HX)	12	PG014QBGEX
M16X2	ISO2X(6HX)	14	PG016QBGEX
M18X2.5	ISO2X(6HX)	15.5	PG018RBGEX
M20X2.5	ISO2X(6HX)	17.5	PG020RBGEX
M22X2.5	ISO2X(6HX)	19.5	PG022RBGEX
M24X3	ISO2X(6HX)	21	PG024SBGEX
M27X3	ISO2X(6HX)	24	PG027SBGEX
M30X3.5	ISO2X(6HX)	26.5	PG030TBGEX
M36X4	ISO2X(6HX)	32	PG036UBGEX

MF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
M8X1	ISO2X(6HX)	7	PM8.0MBGEX
M10X1.25	ISO2X(6HX)	8.8	PM010NBGEX
M10X1	ISO2X(6HX)	9	PM010MBGEX
M12X1.5	ISO2X(6HX)	10.5	PM012OBGEX
M12X1.25	ISO2X(6HX)	10.8	PM012NBGEX
M12X1	ISO2X(6HX)	11	PM012MBGEX
M14X1.5	ISO2X(6HX)	12.5	PM014OBGEX
M16X1.5	ISO2X(6HX)	14.5	PM016OBGEX
M18X1.5	ISO2X(6HX)	16.5	PM018OBGEX
M20X1.5	ISO2X(6HX)	18.5	PM020OBGEX
M22X1.5	ISO2X(6HX)	20.5	PM022OBGEX
M24X1.5	ISO2X(6HX)	22.5	PM024OBGEX

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
+ No.2-56UNC	GH2	1.8	Y826624
No.4-40UNC	2BX	2.3	PDUN4HYGEX
+ No.0.5-40UNC	GH2	2.6	Y82603
No.6-32UNC	2BX	2.8	PDUN6JYGEX
No.8-32UNC	2BX	3.4	PDUN8JYGEX
No.10-24UNC	2BX	3.89	PDUNAMYGEX
1/4-20UNC	2BX	5.1	PDU04NYGEX
5/16-18UNC	2BX	6.6	PDU05OYGEX
3/8-16UNC	2BX	8	PDU06PYGEX

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
7/16-14UNC	2BX	9.4	PGU07QYGEX
1/2-13UNC	2BX	10.9	PGU08RYGEX
9/16-12UNC	2BX	12.2	PGU09SYGEX
5/8-11UNC	2BX	13.6	PGU10UYGEX
3/4-10UNC	2BX	16.6	PGU12VYGEX
7/8-9UNC	2BX	19.6	PGU14WYGEX
1 -8UNC	2BX	22.3	PGU16XYGEX

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
+ No.4-48UNF	GH2	2.4	Y82683
+ No.6-40UNF	GH2	2.9	Y82642
+ No.8-36UNF	GH2	3.5	Y82686
No.10-32UNF	2BX	4.1	PDUNAJYGEX
1/4-28UNF	2BX	5.5	PDU04KYGEX

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
5/16-24UNF	2BX	6.9	PMU05MYGEX
3/8-24UNF	2BX	8.5	PMU06MYGEX
+ 7/16-20UNF	GH3	9.9	Y82620
1/2-20UNF	2BX	11.5	PMU08NYGEX
9/16-18UNF	2BX	12.9	PMU09OYGEX
5/8-18UNF	2BX	14.5	PMU10OYGEX
3/4-16UNF	2BX	17.5	PMU12PYGEX
7/8-14UNF	2BX	20.5	PMU14QYGEX
1 -12UNF	2BX	23.3	PMU16SYGEX

* JIS

+ ANSI

מברז מולטי מסדרת VU למגוון חומרים: פלדה, נירוסטה ואלומיניום (מסונתר)

VUSP



HSS-P | COATING | 2.5P THCHT

ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)	
P1	10÷30	★	P4	10÷25	★	M1	5÷15	★	K1	10÷20	☆	N1	10÷40	★
P2	10÷30	★	P7	5÷15	★	M2	5÷10	☆	K2	10÷20	☆	N2	10÷40	★
P3	10÷30	★										N3	10÷25	☆
												N4	10÷20	☆

★ 1st choice ☆ suitable

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
M2X0.4	ISO2X(6HX)	1.6	3101101021
M2.2X0.45	ISO2X(6HX)	1.75	3101101024
M2.3X0.4	ISO2X(6HX)	1.9	3101101026
M2.5X0.45	ISO2X(6HX)	2.1	3101101029
M2.6X0.45	ISO2X(6HX)	2.2	3101101032
M3X0.5	ISO2X(6HX)	2.5	3101101035
	ISO3X(6GX)	2.5	3101201035
	7GX	2.5	3101301035
	ISO2X(6HX)+100	2.5	3101501035
M4X0.7	ISO2X(6HX)	3.3	3101101042
	ISO3X(6GX)	3.3	3101201042
	7GX	3.3	3101301042
	ISO2X(6HX)+100	3.3	3101501042
M5X0.8	ISO2X(6HX)	4.2	3101101049
	ISO3X(6GX)	4.2	3101201049
	7GX	4.2	3101301049
	ISO2X(6HX)+100	4.2	3101501049
M6X1	ISO2X(6HX)	5	3101101055
	ISO3X(6GX)	5	3101201055
	7GX	5	3101301055
	ISO2X(6HX)+100	5	3101501055
M8X1.25	ISO2X(6HX)	6.8	3101101064
	ISO3X(6GX)	6.8	3101201064
	7GX	6.8	3101301064
	ISO2X(6HX)+100	6.8	3101501064
M10X1.5	ISO2X(6HX)	8.5	3101101078
	ISO3X(6GX)	8.5	3101201078
	7GX	8.5	3101301078
	ISO2X(6HX)+100	8.5	3101501078

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
M12X1.75	ISO2X(6HX)	10.3	3101101088
	ISO3X(6GX)	10.3	3101201088
	7GX	10.3	3101301088
	ISO2X(6HX)+100	10.3	3101501088
M14X2	ISO2X(6HX)	12	3101101100
	ISO3X(6GX)	12	3101201100
	7GX	12	3101301100
	ISO2X(6HX)+100	12	3101501100
M16X2	ISO2X(6HX)	14	3101101114
	ISO3X(6GX)	14	3101201114
	7GX	14	3101301114
	ISO2X(6HX)+100	14	3101501114
M18x2.5	ISO2X(6HX)	15.5	3101101128
M20x2.5	ISO2X(6HX)	17.5	3101101141
M22x2.5	ISO2X(6HX)	19.5	3101101156
M24x3	ISO2X(6HX)	21	3101101167

MF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
M3X0.35	ISO2X(6HX)	2.65	3101101036
M4X0.5	ISO2X(6HX)	3.5	3101101043
M5X0.5	ISO2X(6HX)	4.5	3101101051
M6X0.75	ISO2X(6HX)	5.25	3101101056
M6X0.5	ISO2X(6HX)	5.5	3101101057

MF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
M8X1	ISO2X(6HX)	7	3101101065
M10X1.25	ISO2X(6HX)	8.8	3101101079
M10X1	ISO2X(6HX)	9	3101101080
M12X1.5	ISO2X(6HX)	10.5	3101101089
M12X1.25	ISO2X(6HX)	10.8	3101101090
M14X1.5	ISO2X(6HX)	12.5	3101101102
M16X1.5	ISO2X(6HX)	14.5	3101101116
M18x1.5	ISO2X(6HX)	16.5	3101101130
M20x1.5	ISO2X(6HX)	18.5	3101101144
M22x1.5	ISO2X(6HX)	20.5	3101101158
M24x1.5	ISO2X(6HX)	22.5	3101101170

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
No.5-40UNC	2BX	2.6	3101103021
No.6-32UNC	2BX	2.8	3101103023
No.8-32UNC	2BX	3.4	3101103029
No.10-24UNC	2BX	3.89	3101103039
No.12-24UNC	2BX	4.5	3101103047
1/4-20UNC	2BX	5.1	3101103058
5/16-18UNC	2BX	6.6	3101103071
3/8-16UNC	2BX	8	3101103082

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
7/16-14UNC	2BX	9.4	3101103098
1/2-13UNC	2BX	10.9	3101103111
9/16-12UNC	2BX	12.2	3101103126
5/8-11UNC	2BX	13.6	3101103138

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
No.5-44UNF	2BX	2.7	3101103022
No.6-40UNF	2BX	2.9	3101103024
No.8-36UNF	2BX	3.5	3101103030
No.10-32UNF	2BX	4.1	3101103041
No.12-28UNF	2BX	4.6	3101103048
1/4-28UNF	2BX	5.5	3101103062

Oversized

מברז מולטי מסדרת VU למגוון חומרים: פלדה, נירוסטה ואלומיניום (מסונתר)

VUPO



HSS-P | COATING | 5P THCHT

ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)	
P1	10÷30	★	P4	10÷25	★	M1	5÷15	★	K1	10÷20	☆	N1	10÷40	★
P2	10÷30	★	P7	5÷15	★	M2	5÷10	☆	K2	10÷20	☆	N2	10÷40	★
P3	10÷30	★										N3	10÷25	☆
												N4	10÷20	☆

★ 1st choice ☆ suitable

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
M2X0.4	ISO2X(6HX)	1.6	3102101021
M2.2X0.45	ISO2X(6HX)	1.75	3102101024
M2.3X0.4	ISO2X(6HX)	1.9	3102101026
M2.5X0.45	ISO2X(6HX)	2.1	3102101029
M2.6X0.45	ISO2X(6HX)	2.2	3102101032
M3X0.5	ISO2X(6HX)	2.5	3102101035
	ISO3X(6GX)	2.5	3102201035
	7GX	2.5	3102301035
	ISO2X(6HX)+100	2.5	3102501035
M4X0.7	ISO2X(6HX)	3.3	3102101042
	ISO3X(6GX)	3.3	3102201042
	7GX	3.3	3102301042
	ISO2X(6HX)+100	3.3	3102501042
M5X0.8	ISO2X(6HX)	4.2	3102101049
	ISO3X(6GX)	4.2	3102201049
	7GX	4.2	3102301049
	ISO2X(6HX)+100	4.2	3102501049
M6X1	ISO2X(6HX)	5	3102101055
	ISO3X(6GX)	5	3102201055
	7GX	5	3102301055
	ISO2X(6HX)+100	5	3102501055
M8X1.25	ISO2X(6HX)	6.8	3102101064
	ISO3X(6GX)	6.8	3102201064
	7GX	6.8	3102301064
	ISO2X(6HX)+100	6.8	3102501064
M10X1.5	ISO2X(6HX)	8.5	3102101078
	ISO3X(6GX)	8.5	3102201078
	7GX	8.5	3102301078
	ISO2X(6HX)+100	8.5	3102501078

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
M12X1.75	ISO2X(6HX)	10.3	3102101088
	ISO3X(6GX)	10.3	3102201088
	7GX	10.3	3102301088
	ISO2X(6HX)+100	10.3	3102501088
M14X2	ISO2X(6HX)	12	3102101100
	ISO3X(6GX)	12	3102201100
	7GX	12	3102301100
	ISO2X(6HX)+100	12	3102501100
M16X2	ISO2X(6HX)	14	3102101114
	ISO3X(6GX)	14	3102201114
	7GX	14	3102301114
	ISO2X(6HX)+100	14	3102501114
M18X2.5	ISO2X(6HX)	15.5	3102101128
M20X2.5	ISO2X(6HX)	17.5	3102101141
M22X2.5	ISO2X(6HX)	19.5	3102101156
M24X3	ISO2X(6HX)	21	3102101167

MF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
M3X0.35	ISO2X(6HX)	2.65	3102101036
M4X0.5	ISO2X(6HX)	3.5	3102101043
M5X0.5	ISO2X(6HX)	4.5	3102101051
M6X0.75	ISO2X(6HX)	5.25	3102101056
M6X0.5	ISO2X(6HX)	5.5	3102101057

Oversized

MF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
M8X1	ISO2X(6HX)	7	3102101065
M10X1.25	ISO2X(6HX)	8.8	3102101079
M10X1	ISO2X(6HX)	9	3102101080
M12X1.5	ISO2X(6HX)	10.5	3102101089
M12X1.25	ISO2X(6HX)	10.8	3102101090
M14X1.5	ISO2X(6HX)	12.5	3102101102
M16X1.5	ISO2X(6HX)	14.5	3102101116
M18X1.5	ISO2X(6HX)	16.5	3102101130
M20X1.5	ISO2X(6HX)	18.5	3102101144
M22X1.5	ISO2X(6HX)	20.5	3102101158
M24X1.5	ISO2X(6HX)	22.5	3102101170

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
No.5-40UNC	2BX	2.6	3102103021
No.6-32UNC	2BX	2.8	3102103023
No.8-32UNC	2BX	3.4	3102103029
No.10-24UNC	2BX	3.89	3102103039
No.12-24UNC	2BX	4.5	3102103047
1/4-20UNC	2BX	5.1	3102103058
5/16-18UNC	2BX	6.6	3102103071
3/8-16UNC	2BX	8	3102103082

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
7/16-14UNC	2BX	9.4	3102103098
1/2-13UNC	2BX	10.9	3102103111
9/16-12UNC	2BX	12.2	3102103126
5/8-11UNC	2BX	13.6	3102103138
3/4-10UNC	2BX	16.6	3102103161
7/8-9UNC	2BX	19.6	3102103181

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
No.5-44UNF	2BX	2.7	3102103022
No.6-40UNF	2BX	2.9	3102103024
No.8-36UNF	2BX	3.5	3102103030
No.10-32UNF	2BX	4.1	3102103041
No.12-28UNF	2BX	4.6	3102103048
1/4-28UNF	2BX	5.5	3102103062

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
5/16-24UNF	2BX	6.9	3102103074
3/8-24UNF	2BX	8.5	3102103085
7/16-20UNF	2BX	9.9	3102103101
1/2-20UNF	2BX	11.5	3102103115
9/16-18UNF	2BX	12.9	3102103129
5/8-18UNF	2BX	14.5	3102103142
3/4-16UNF	2BX	17.5	3102103164
7/8-14UNF	2BX	20.5	3102103184

מברזים מסונתרים לכל סוגי הנירוסטה

ZEN-P

HSS-P | NX | SYNCHRO | 4.5P THCHT



ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)	
P3	5÷15	★	P7	5÷15	★	M1	5÷15	★	S1	5÷10	★
P4	5÷15	★	P8	4÷8	★	M2	5÷15	★	S2	5÷10	★
P5	5÷10	☆				M3	4÷8	★	S3	3÷6	☆

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
M3X0.5	ISO2X(6HX)	2.5	PD3.0GBJPW
M4X0.7	ISO2X(6HX)	3.3	PD4.0IBJPW
M5X0.8	ISO2X(6HX)	4.2	PD5.0KBJPW
M6X1	ISO2X(6HX)	5	PD6.0MBJPW
M8X1.25	ISO2X(6HX)	6.8	PD8.0NBJPW
M10X1.5	ISO2X(6HX)	8.5	PD010OBJPW

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
M12X1.75	ISO2X(6HX)	10.31	PG012PBJPW
M14X2	ISO2X(6HX)	12	PG014QBJPW
M16X2	ISO2X(6HX)	14	PG016QBJPW
M18X2.5	ISO2X(6HX)	15.5	PG018RBJPW
M20X2.5	ISO2X(6HX)	17.5	PG020RBJPW
M24X3	ISO2X(6HX)	21	PG024SBJPW

MF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
M10X1.25	ISO2X(6HX)	8.8	PM010NBJPW
M12X1.5	ISO2X(6HX)	10.5	PM012OBJPW
M12X1.25	ISO2X(6HX)	10.8	PM012NBJPW
M14X1.5	ISO2X(6HX)	12.5	PM014OBJPW
M16X1.5	ISO2X(6HX)	14.5	PM016OBJPW

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
No.6-32UNC	2BX	2.8	PDUN6JYJPW
No.8-32UNC	2BX	3.4	PDUN8JYJPW
No.10-24UNC	2BX	3.89	PDUNAMYJPW
1/4-20UNC	2BX	5.1	PDU04NYJPW
5/16-18UNC	2BX	6.6	PDU05OYJPW
3/8-16UNC	2BX	8	PDU06PYJPW

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
1/2-13UNC	2BX	10.9	PGU08RYJPW
5/8-11UNC	2BX	13.6	PGU10UYJPW
3/4-10UNC	2BX	16.6	PGU12VYJPW

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
No.10-32UNF	2BX	4.1	PDUNAJYJPW
1/4-28UNF	2BX	5.5	PDU04KYJPW

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
5/16-24UNF	2BX	6.9	PMU05MYJPW
3/8-24UNF	2BX	8.5	PMU06MYJPW
1/2-20UNF	2BX	11.5	PMU08NYJPW

ZEN-B

HSS-P | OX | SYNCHRO | 3P THCHT



ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)	
P3	5÷15	★	P5	5÷10	☆	M1	5÷15	★	S1	5÷10	★
P4	5÷15	★	P7	5÷15	★	M2	5÷15	★	S2	5÷10	★
			P8	4÷8	★	M3	4÷8	★			

★ 1st choice ☆ suitable

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
M3X0.5	ISO2X(6HX)	2.5	SD3.0GBJPX
M4X0.7	ISO2X(6HX)	3.3	SD4.0IBJPX
M5X0.8	ISO2X(6HX)	4.2	SD5.0KBJPX
M6X1	ISO2X(6HX)	5	SD6.0MBJPX
M8X1.25	ISO2X(6HX)	6.8	SD8.0NBJPX
M10X1.5	ISO2X(6HX)	8.5	SD010OBJPX

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
M12X1.75	ISO2X(6HX)	10.3	SG012PBJPX
M14X2	ISO2X(6HX)	12	SG014QBJPX
M16X2	ISO2X(6HX)	14	SG016QBJPX

MF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
M10X1.25	ISO2X(6HX)	8.8	SM010NBJPX
M12X1.5	ISO2X(6HX)	10.5	SM012OBJPX
M12X1.25	ISO2X(6HX)	10.8	SM012NBJPX

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
No.4-40UNC	2BX	2.3	SDUN4HYJPX
No.6-32UNC	2BX	2.8	SDUN6JYJPX
No.8-32UNC	2BX	3.4	SDUN8JYJPX
No.10-24UNC	2BX	3.89	SDUNAMYJPX
1/4-20UNC	2BX	5.1	SDU04NYJPX
5/16-18UNC	2BX	6.6	SDU05OYJPX
3/8-16UNC	2BX	8	SDU06PYJPX

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
1/2-13UNC	2BX	10.9	SGU08RYJPX
5/8-11UNC	2BX	13.6	SGU10UYJPX

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
No.10-32UNF	2BX	4.1	SDUNAJYJPX
1/4-28UNF	2BX	5.5	SDU04KYJPX

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
5/16-24UNF	2BX	6.9	SMU05MYJPX
3/8-24UNF	2BX	8.5	SMU06MYJPX
7/16-20UNF	2BX	9.9	SMU07NYJPX
1/2-20UNF	2BX	11.5	SMU08NYJPX
9/16-18UNF	2BX	12.9	SMU09OYJPX
3/4-16UNF	2BX	17.5	SMU12PYJPX

מברזי לחץ מסונתרים מסדרת HP לפלדות ונירוסטה

HP+RZ/HP-RZ

HSS-P | COATING



ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)	
P1	15÷30	★	P4	15÷25	★	M1	10÷25	★	N1	10÷45	☆
P2	15÷30	★	P7	10÷25	★	M2	10÷25	★	N2	10÷45	☆
P3	15÷25	★									

★ 1st choice ☆ suitable

M	TCTR (tolerance)	מק"ט
JIS		
M1X0.25	G4	HRZP41.0BB
M1.2X0.25	G4	HRZP41.2BB
M1.4X0.3	G4	HRZP41.4CB
M1.6X0.35	G4	HRZP41.6DB

M	TCTR (tolerance)	מק"ט
DIN 371		
M2X0.4	ISO2X(6HX)	RE2.0EBFPTB
M2.5X0.45	ISO2X(6HX)	RE2.5FBFPTB
M3X0.5	ISO2X(6HX)	RE3.0GBFPTB
M4X0.7	ISO2X(6HX)	RE4.0IBFPTB
M5X0.8	ISO2X(6HX)	RE5.0KBFPTB
M6X1	ISO2X(6HX)	RE6.0MBFPTB
M8X1.25	ISO2X(6HX)	RD8.0NBFPTB
M10X1.5	ISO2X(6HX)	RD010OBFPTB

UNC	TCTR (tolerance)	מק"ט חדש	מק"ט ישן
ANSI			
No.2-56UNC	H3	386801M	Y86801
No.3-48UNC	H3	386802M	Y86802
No.4-40UNC	H3	386804M	Y86804
No.5-40UNC	H5	386799M	Y86799
No.6-32UNC	H5	386809M	Y86809
No.8-32UNC	H5	386813M	Y86813
No.10-24UNC	H6	386817M	Y86817
1/4-20UNC	H6	386825M	Y86825
5/16-18UNC	H7	386833M	Y86833
3/8-16UNC	H7	386841M	Y86841

UNF	TCTR (tolerance)	מק"ט חדש	מק"ט ישן
ANSI			
No.0-80UNF	H2	386800M	Y86800
No.3-56UNF	H3	386803M	Y86803
No.4-48UNF	H5	386807M	Y86807
No.10-32UNF	H6	386821M	Y86821
1/4-28UNF	H6	386829M	Y86829
3/8-24UNF	H7	386845M	Y86845

ZET-B

HSS-P | NI | SYNCHRO | 3P THCHT



ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)		ISO	Vc (m/min)	
P4	5÷10	☆	M3	3÷6	☆	K2	5÷10	☆	S1	5÷10	☆
P5	5÷8	☆				K3	5÷10	☆	S2	5÷10	☆
P6	3÷6	☆							S3	3÷6	★
P8	3÷6	☆							S5	5÷10	★

★ 1st choice ☆ suitable

מתאים לטיטניום

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
M2X0.4 (JIS)	P2	1.6	ZETBMQ2.0E
M2.5X0.45 (JIS)	P2	2.1	ZETBMQ2.5F
M3X0.5	ISO2X(6HX)	2.5	SD3.0GBIPN
M4X0.7	ISO2X(6HX)	3.3	SD4.0IBIPN
M5X0.8	ISO2X(6HX)	4.2	SD5.0KBIPN
M6X1	ISO2X(6HX)	5	SD6.0MBIPN
M8X1.25	ISO2X(6HX)	6.8	SD8.0NBIPN
M10X1.5	ISO2X(6HX)	8.5	SD010OBIPN

M	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
M12X1.75	ISO2X(6HX)	10.3	SG012PBIPN
M14X2	ISO2X(6HX)	12	SG014QBIPN
M16X2	ISO2X(6HX)	14	SG016QBIPN

MF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
M10X1.25	ISO2X(6HX)	8.8	SM010NBIPN
M12X1.5	ISO2X(6HX)	10.5	SM012OBIPN
M12X1.25	ISO2X(6HX)	10.8	SM012NBIPN

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
No.4-40UNC	2BX	2.3	SDUN4HYIPN
No.6-32UNC	2BX	2.8	SDUN6JYIPN
No.8-32UNC	2BX	3.4	SDUN8JYIPN
No.10-24UNC	2BX	3.89	SDUNAMYIPN
1/4-20UNC	2BX	5.1	SDU04NYIPN
5/16-18UNC	2BX	6.6	SDU05OYIPN
3/8-16UNC	2BX	8	SDU06PYIPN

UNC	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 376			
1/2-13UNC	2BX	10.9	SGU08RYIPN
5/8-11UNC	2BX	13.6	SGU10UYIPN

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 371			
No.6-40UNF	2BX	2.9	SDUN6HYIPN
No.10-32UNF	2BX	4.1	SDUNAJYIPN
1/4-28UNF	2BX	5.5	SDU04KYIPN

UNF	TCTR (tolerance)	Ø (mm)	מק"ט
DIN 374			
5/16-24UNF	2BX	6.9	SMU05MYIPN
3/8-24UNF	2BX	8.5	SMU06MYIPN
1/2-20UNF	2BX	11.5	SMU08NYIPN

מברז ספירלי לאלומיניום, נחושת ופליז

AL+SP/AL-SP

ISO	Vc (m/min)	
N1	10÷25	★
N2	10÷25	★
N3	10÷25	★
N4	10÷25	★

★ 1st choice ☆ suitable



M	מק"ט
DIN 371	
M2X0.4	SE2.0EALEN
M2.5X0.45	SE2.5FALEN
M3X0.5	SE3.0GALEN
M4X0.7	SE4.0IALEN
M5X0.8	SE5.0KALEN
M6X1	SE6.0MALEN
M8X1.25	SD8.0NALEN
M10X1.5	SD0100ALEN

M	מק"ט
DIN 376	
M12X1.75	SG012PALEN
M14X2	SG014QALEN
M16X2	SG016QALEN

מברז ספירלי הליקויל H.C / STI

AL-SP STI

ISO	Vc (m/min)	
N1	10÷25	★
N2	10÷25	★
N3	10÷25	★
N4	10÷25	★

★ 1st choice ☆ suitable



EG(STI) M	מק"ט
JIS	
STI M3X0.5	SW3.0G1LEN
	SW3.0G3LEN
STI M4X0.7	SW4.0I1LEN
	SW4.0I3LEN
STI M5X0.8	SW5.0K1LEN
	SW5.0K3LEN
STI M6X1	SW6.0M1LEN
	SW6.0M3LEN

EG(STI) M	מק"ט
JIS	
STI M8X1.25	SW8.0N1LEN
	SW8.0N3LEN
STI M10X1.5	SW01001LEN
	SW01003LEN
STI M12X1.75	SW012P1LEN
STI M14X2	SW014Q1LEN
STI M16X2	SW016Q1LEN

SP STI

ISO	Vc (m/min)	
P1	5÷10	☆
P2	5÷10	☆
P3	5÷10	☆
N1	5÷15	★
N2	5÷15	★
N3	5÷15	★
N4	5÷15	★

★ 1st choice ☆ suitable



EG(STI) UNC	מק"ט
JIS	
STI No.2-56UNC	SUUN2E1NEB
	SUUN2E2NEB
STI No.4-40UNC	SUUN4H1NEB
	SUUN4H2NEB
STI No.6-32UNC	SUUN6J1NEB
	SUUN6J2NEB
STI No.8-32UNC	SUUN8J1NEB
	SUUN8J2NEB
STI No.10-24UNC	SUUNAM2NEB
	SUUNAM3NEB

EG(STI) UNC	מק"ט
JIS	
STI 1/4-20UNC	SUU04N2NEB
	SUU04N3NEB
STI 5/16-18UNC	SUU05O2NEB
	SUU05O3NEB
STI 3/8-16UNC	SUU06P2NEB
	SUU06P3NEB
STI 7/16-14UNC	SUU07Q2NEB
	SUU07Q3NEB
STI 1/2-13UNC	SUU08R2NEB
	SUU08R3NEB

ZELX AL SP

ISO	Vc (m/min)	
N1	10÷25	★
N2	10÷25	★
N3	10÷25	★
N4	10÷25	★

★ 1st choice ☆ suitable



UNC	מק"ט
ANSI	
No.2-56UNC	Y86500
No.4-40UNC	Y86501
No.5-40UNC	Y86502
No.6-32UNC	Y86503
No.8-32UNC	Y86504
No.10-24UNC	Y86505
1/4-20UNC	Y86507
	Y86508
5/16-18UNC	Y86512
3/8-16UNC	Y86516
	Y86517
7/16-14UNC	Y86520
1/2-13UNC	Y86524
	Y86525

UNF	מק"ט
ANSI	
No.10-32UNF	Y86506
1/4-28UNF	Y86509
	Y86511
3/8-24UNF	Y86518
1/2-20UNF	Y86526

מברזי לחץ לאלומיניום, נחושת ופליז

N+RS/N-RS





ISO	Vc (m/min)	
N1	5÷15	★
N2	5÷15	★
N3	5÷15	★

★ 1st choice

M	TCTR (tolerance)	מק"ט
DIN 371		
M2X0.4	ISO2X(6HX)	RE2.0EBKENB
M2.5X0.45	ISO2X(6HX)	RE2.5FBKENB
M3X0.5	ISO2X(6HX)	RE3.0GBKENB
M4X0.7	ISO2X(6HX)	RE4.0IBKENB
M5X0.8	ISO2X(6HX)	RE5.0KBKENB
M6X1	ISO2X(6HX)	RE6.0MBKENB
M8X1.25	ISO2X(6HX)	RD8.0NBHEXB
M10X1.5	ISO2X(6HX)	RD010OBHEXB

UNC	TCTR (tolerance)	מק"ט
JIS		
No.2-56UNC	G4	NRSM4UN2EB
No.4-40UNC	G5	NRSM5UN4HB
No.6-32UNC	G5	NRSM5UN6JB
No.8-32UNC	G6	NRSM6UN8JB
No.10-24UNC	G6	NRSM6UNAMB
1/4-20UNC	G6	NRSM6U04NB

UNF	TCTR (tolerance)	מק"ט
JIS		
No.0-80UNF	G5	NRSM5UN0BB
No.1-72UNF	G5	NRSM5UN1CB
No.4-48UNF	G5	NRSM5UN4FB
No.5-44UNF	G6	NRSM6UN5GB
No.6-40UNF	G5	NRSM5UN6HB
No.8-36UNF	G5	NRSM5UN8IB
No.10-32UNF	G6	NRSM6UNAJB
1/4-28UNF	G6	NRSM6U04KB

LS-N-RS





ISO	Vc (m/min)	
N1	5÷15	★
N2	5÷15	★
N3	5÷15	★

★ 1st choice

M	מק"ט	THCHT (chamfer)	אורך כללי
JIS			
M3X0.5	NRSF53.0GP10	4P	100
	NRSF53.0GB10	2P	100
M4X0.7	NRSF64.0IP10	4P	100
	NRSF64.0IB10	2P	100
M5X0.8	NRSF65.0KP10	4P	100
	NRSF65.0KB10	2P	100
M6X1	NRSF76.0MP10	4P	100
	NRSF76.0MP15	4P	150
M8X1.25	NRSM78.0NP10	4P	100
	NRSM78.0NP15	4P	150
M10X1.5	NRSM7010OP10	4P	100
	NRSM7010OP15	4P	150

מברזי לחץ הליקויל לאלומיניום

N-RS STI



ISO	Vc (m/min)	
N1	5÷15	★
N2	5÷15	★
N3	5÷15	★

★ 1st choice ☆ suitable

EG(STI) M	מק"ט	אורך כללי
JIS		
STI M3X0.5	RW3.0G3LENB	52
STI M4X0.7	RW4.0I4LENB	60
STI M5X0.8	RW5.0K4LENB	62
STI M6X1	RW6.0M4LENB	70
STI M8X1.25	RW8.0N4LENB	75
STI M10X1.5	RW010O5LENB	82
STI M12X1.75	RW012P6LENB	95

ידיות למברזים



ידית למברז DIN 1814

ידית אלומיניום למברז DIN 1814	למברזים ידניים			אורך ידית	אלומיניום	פלדה
	W	G	M			
0	W 1/16-5/16	-	M1-M8	130	08800020	00602020
1	W 1/16-3/8	-	M1-M10	175	08800030	00602030
1.1/2	W 1/16-1/2	G 1/8	M1-M12	175	08800040	00602040
2	W 5/32-1/2	G 1/8	M4-M12	280	08800050	00602050
3	W 7/32-3/4	G 1/8-1/2	M5-M20	375	08800060	00602060
4	W 7/16-1	G 1/4-3/4	M9-M27	470	08800070	00602070
5	W 1/2-1.1/4	G 1/4-1	M1-M33	700	08800080	00602080
6	W 3/4-1.5/8	G 1/2-1.1/4	M18-M42	1000		00602090
7	W 1-2.1/8	G 3/4-1.3/4	M25-M52	1250		00602100
8	W 1-2.1/2	G 3/4-3	M25-M68	1250		00602110



ידית רצ'ט למברז

ידית רצ'ט למברז	למברז ידני	אורך ידית	מק"ט
1	M3-M10	85	00612020
2	M5-M12	100	00612030
10	M3-M10	250	00614020
20	M5-M12	300	00614030



ידית למחרוקת

ידית מחרוקת מאלומיניום	למברזים ידניים		אורך ידית	אלומיניום	פלדה
	W	G			
16x5	W1/6-3/32	M1-M2.6	160	08801010	-
20x5	W1/8-5/32	M3-M4	195	08801020	-
20x7	W3/16-1/4	M4.5-M6	195	08801030	-
25x9	W5/16	M7-M9	215	08801040	-
30x11	W3/8-7/16	M10-M11	260	08801050	-
38x14	W1/2-9/16	M12-M14	315	08801060	-
38x10	G1/4	MF12-MF15	315	08801070	-
45x18	W5/8-13/16	M16-20	445	08801080	00634080
45x14	G3/8-1/2	MF16-MF20	445	08801090	00634090
55x22	W7/8-1	M22-M24	495	08801100	00634100
55x16	G5/8-3/4	MF22-MF26	495	08801110	00634110
65x25	W1.1/8-1.3/8	M27-M36	630	08801120	00634120
65x18	G7/8-1	MF-27-MF36	630	08801130	00634130

סטים



סט מקדחים HSS ו- HSS-CO

סט DIN 338	מספר יח / קפיצה	HSS-CO	HSS
1-10	19-pcs 0.5	BRB08347100	BRB08343100
1-13	25-pcs 0.5	BRB08347300	BRB08343300
1-5.9	50-pcs 0.1	BRB08347400	BRB08343400
6-10	41-pcs 0.1	BRB08347500	BRB08343500



סט קומבי מברזי גאן ומקדחי הכנה M3-M12

מידות בסט	מק"ט
HSS	RB08303017
HSS-CO	RB09100100



סט מברזים ומחרוקות מטרי במזוודה

מידות בסט	מק"ט
M3 - M12	00708070 / BMK312
M3 - M20	00708080 / 1030009146
M3 - M24	00708090 / 264800601

סט מברזים ומחרוקות אינצ'י במזוודה

מידות בסט	מק"ט
BSP 1/8, 1/4, 3/8, 1/2, 3/4, 1"	08333100 / 264802014
BSW 1/4, 5/16, 3/8, 7/16, 5/8, 3/4, 7/8, 1"	08333250 / 264803410
UNC 1/4, 5/16, 3/8, 7/16, 5/8, 3/4, 7/8, 1"	08333150 / 264805303
UNF 1/4, 5/16, 3/8, 7/16, 5/8, 3/4, 7/8, 1"	08333200 / 264806304
NPT 1/8, 1/4, 3/8, 1/2, 3/4, 1"	264802519







מברזי מכונה, מחרוקות וסטים ידניים M / UNC / UNF / BSP / BSW / NPT

M	מברז מכונה	מברז ספירלי	סט מברזים	מחרוקת
M 2	00302080/110401001	110601001	00105080/110301008	00402080/111401008
M 2,5	00302110/11041002	110601002	00105110/110301011	00402110/111401011
M 3	00302130/110401003	110601003	00706130/110301013	00402130/111401013
M 4	00302150/110401005	110601006	00706150/110301017	00402150/111401015
M 5	00302170/110401006	110601007	00706170/110301020	00402170/111401017
M 6	00302190/110401007	110601008	00706190/110301023	00402190/111401020
M 8	00302210/110401009	110601009	00706210/110301025	00402210/111401022
M 10	00302230/110401010	110601010	00706230/110301027	00402230/111401024
M 12	00309250/11041017	110601017	00706250/110301029	00402250/111401026
M 14	00309260/110401018	110601018	00105260/110301030	00402260/111401027
M 16	00309270/110401019	110601019	00105270/110301032	00402270/111401029
M 18	00309280/11040120	110601020	00105280/110301033	00402280/111401030
M 20	00309290/110401021	110601021	00105290/110301034	00402290/111401032
M 22	00309300/110401022	110601022	00105300/110301035	00402300/111401033
M 24	00309310/110401023	110601023	00105310/110301036	00402310/111401034
M 27	00309320/110401024	110601024	00105320/110301037	00402320/111402015
M 30	00309330/110401025	110601025	00105330/110301038	00402330/111401036

UNC	מברז מכונה	מברז ספירלי	סט מברזים	מחרוקת
UNC Nr. 4	01604040/140401001	140601001	00165040/140301004	00462040/141401004
UNC Nr. 5	01604050/140401002	140601002	00165050/140301005	00462050/141401005
UNC Nr. 6	01604060/140401003	140601003	00165060/140301006	00462060/141401006
UNC Nr. 8	01604080/140401004	140601004	00165080/140301007	00462080/141401007
UNC Nr. 10	01604100/140401005	140601005	00165100/140301008	00462100/141401008
UNC Nr. 12	01604120/140401006	140601006	00165120/140301009	00462120/141401009
UNC 1/4	01604130/140401007	140601007	00165130/140301010	00462130/141401010
UNC 5/16	01604140/140401008	140601008	00165140/140301011	00462140/141401011
UNC 3/8	01604150/140401009	140601009	00165150/140301012	00462150/141401012
UNC 7/16	01604160/140401019	140601019	00165160/140301013	00462160/141401013
UNC 1/2	01604170/140401020	140601020	00165170/140301014	00462170/141401014
UNC 9/16	01604180/140401021	140601021	00165180/140301015	00462180/141401015
UNC 5/8	01604190/140401022	140601022	00165190/140301016	00462190/141401016
UNC 3/4	01604210/140401023	140601023	00165210/140301017	00462210/141401017
UNC 7/8	01604230/140401024	140601024	00165230/140301018	00462230/141401018
UNC 1	01604250/140401025	140601025	00165250/140301019	00462250/141401019
UNC 1.1/8	01604260		00165260/140301020	00462260/141401020

UNF	מברז מכונה	מברז ספירלי	סט מברזים	מחרוקת
UNF Nr. 4	01704040/150401001	150601001	00175040/150301005	00472040/151401005
UNF Nr. 5	01704050/150401002	150601002	00175050/150301006	00472050/151401006
UNF Nr. 6	01704060/150401003	150601003	00175060/150301007	00472060/151401007
UNF Nr. 8	01704080/150401004	150601004	00175080/150301008	00472080/151401008
UNF Nr. 10	01704100/150401005	150601005	00175100/150301009	00472100/151401009
UNF Nr. 12	01704120/150401006	150601006	00175120/150301010	00472120/151401010
UNF 1/4	01704130/150401007	150601007	00175130/150301011	00472130/151401011
UNF 5/16	01704140/150401008	150601008	00175140/150301012	00472140/151401012
UNF 3/8	01704150/150401009	150601009	00175150/150301013	00472150/151401013
UNF 7/16	01704160/150401010	150601010	00175160/150301014	00472160/151401014
UNF 1/2	01704170/150401011	150601011	00175170/150301015	00472170/151401015
UNF 9/16	01704180/150401012	150601012	00175180/150301016	00472180/151401016
UNF 5/8	01704190/150401013	150601013	00175190/150301017	00472190/151401017
UNF 3/4	01704210/150401014	150601014	00175210/150301018	00472210/151401018
UNF 7/8	01704230/150401015	150601015	00175230/150301019	00472230/151401019
UNF 1 (12)	01704250/150401016	150601016	00175260/150301020	00472260/151401020
UNF 1.1/8	01704270		00175270/150301022	00472270/151401022

BSP	מברז מכונה	סט מברזים	מחרוקת
BSP 1/8	02504020/130401001	00155020/130301001	00452020/131401001
BSP 1/4	02504060/130401002	00155060/130301002	00452060/131401002
BSP 3/8	02504080/130401003	00155080/130301003	00452080/131401003
BSP 1/2	02504100/130401004	00155100/130301004	00452100/131401004
BSP 5/8	02504120/130401005	00155120/130301005	00452120/131401005
BSP 3/4	02504130/130401006	00155130/130301006	00452130/131401006
BSP 7/8	02504140/130401007	00155140/130301007	00452140/131401007
BSP 1	02504150/130401008	00155150/130301008	00452150/131401008
BSP 1.1/8	02504160/130401009	00155170/130301009	00452170/131401009
BSP 1.1/4	02504180/130401010	00155180/130301010	00452180/131401010
BSP 1.3/8	02504190/130401011	00155190/130301011	00452190/131401011
BSP 1.1/2	02504200/130401012	00155200/130301012	00452200/131401012
BSP 1.3/4	02504220/130401013	00155220/130301014	00452220/131401014
BSP 2	02504230/130401014	00155230/130301015	00452230/1314010016

BSW	מברז מכונה	סט מברזים	מחרוקת
BSW 1/8	01304030/210401001	00135030/210301003	00436030/211401003
BSW 5/32	01304040/210401002	00135040/210301004	00436040/211401004
BSW 3/16	01304050/210401003	00135050/210301005	00436050/211401005
BSW 1/4	01304070/210401004	00135070/210301007	00436070/211401007
BSW 5/16	01304080/210401005	00135080/210301008	00436080/211401008
BSW 3/8	01304090/210401006	00135090/210301009	00436090/211401009
BSW 7/16	01304100/210401007	00135100/210301010	00436100/211401010
BSW 1/2	01304110/210401008	00135110/210301011	00436110/211401011
BSW 9/16	01304120/210401014	00135120/210301012	00436120/211401012
BSW 5/8	01304130/210401015	00135130/210301013	00436130/211401013
BSW 3/4	01304140/210401016	00135140/210301014	00436140/211401014
BSW 7/8	01304150/210401017	00135150/210301015	00436150/211401015
BSW 1	01304160/210401018	00135160/210301016	00436160/211401016
BSW 1.1/8	01304170	00135170/210301017	00436170/211401017
BSW 1.1/4	01304180	00135180/210301018	00436180/211401018
BSW 1.3/8	01304190	00135190/210301019	00436190/211401019
BSW 1.1/2	01304200	00135200/210301020	00436200/211401020

NPT	מברז מכונה	סט מברזים	מחרוקת
NPT 1/16-27	240101001	00181010	00480010/241401001
NPT 1/8-27	240101002	00181020/S240301002	00480020/241401002
NPT 1/4-18	240101003	00181030/S240301003	00480030/241401003
NPT 3/8-1/8	240101004	00181040/S240301004	00480040/241401004
NPT 1/2-14	240101005	00181050/S240301005	00480050/241401005
NPT 3/4-14	240101006	00181060/S240301006	00480060/241401007
NPT 1-11,5	240101007	00181070/S240301007	00480070/241401009
NPT 1.1/4-11,5	240101008	00181080	00480080/241401010
NPT 1.1/2-11,5	240101009	00181090	00480090/241401011
NPT 2-11,5	240101010	00181100	00480100/241401012



מברזי מכונה, מחרוקות וסטים ידניים MF

MF	מברז מכונה	סט מברזים	מחרוקת
MF 3 x 0,35	002204260/120401001	00115200/120301003	00414200/121401003
MF 4 x 0,5	002204270/120401003	00115240/120301006	00414240/121401006
MF 5 x 0,5	002204280/120401004	00115280/120301008	00414280/121401008
MF 5 x 0,75	002204290/120401005	00115290/120301009	00414290/121401010
MF 6 x 0,5	002204320/120401006	00115320/120301011	00414320/121401011
MF 6 x 0,75	002204330/120401007	00115330/120301012	00414330/121401012
MF 7 x 0,75	002204340/120401008	00115360/120301014	00414360/121401014
MF 8 x 0,5	002204350/120401009	00115380/120301015	00414380/121401015
MF 8 x 0,75	002204390/120401010	00115390/120301016	00414390/121401016
MF 8 x 1	002204400/120401011	00115400/120301017	00414400/121401017
MF 9 x 1	002204440/120401013	00115440/120301020	00414440/121401020
MF 10 x 0,75	002204460/120401014	00115460/120301022	00414460/121401022
MF 10 x 1	002204470/120401015	00115470/120301023	00414470/121401023
MF 10 x 1,25	002204480/120401016	00115480/120301024	00414480/121401024
MF 11 x 1	002204510/120401017	00115510/120301026	00414510/121401025
MF 11 x 1,25	002204520/120401018	00115520/120301027	00414520/121401026
MF 12 x 0,75	002204540/120401019	00115540/120301029	00414540/121401028
MF 12 x 1	002204550/120401020	00115550/120301030	00414550/121401029
MF 12 x 1,25	002204560/120401021	00115560/120301031	00414560/121401030
MF 12 x 1,5	002204570/120401022	00115570/120301032	00414570/121401031
MF 13 x 1	002204600/120401023	00115600/120301035	00414600/121401033
MF 13 x 1,5	002204620/120401024	00115620/120301036	00414620/121401034
MF 14 x 0,75	002204640/120401025	00115640/120301038	00414640/121401036
MF 14 x 1	002204650/120401026	00115650/120301039	00414650/121401037
MF 14 x 1,25	002204660/120401027	00115660/120301040	00414660/121401038
MF 14 x 1,5	002204670/120401028	00115670/120301041	00414670/121401039
MF 15 x 1	002204700/120401029	00115700/120301043	00414700/121401041
MF 15 x 1,5	002204720/120401030	00115720/120301044	00414720/121401042
MF 16 x 1	002204750/120401031	00115750/120301047	00414750/121401045
MF 16 x 1,25	002204760/120401032	00115760/120301048	00414760/121401046
MF 16 x 1,5	002204770/120401033	00115770/120301049	00414770/121401047
MF 18 x 1	002204840/120401034	00115840/120301054	00414840/121401052
MF 18 x 1,25	002204850/120401035	00115850/120301055	00414850/121401053
MF 18 x 1,5	002204860/120401036	00115860/120301056	00414860/121401054
MF 18 x 2	002204870/120401037	00115870/120301057	00414870/121401055
MF 20 x 1	002204930/120401038	00115930/120301062	00414930/121401060
MF 20 x 1,25	002204940/120401039	00115940/120301063	00414940/121401061
MF 20 x 1,5	002204950/120401040	00115950/120301064	00414950/121401062
MF 20 x 2	002204960/120401041	00115960/120301065	00414960/121401063
MF 22 x 1	002206030/120401043	00122030/120301070	00415030/121401068
MF 22 x 1,25	002206040/120401044	00122040/120301071	00415040/121401069
MF 22 x 1,5	02206050/120401045	00122050/120301072	00415050/121401070
MF 22 x 2	02206060/120401046	00122060/120301073	00415060/121401071
MF 24 x 1	02206110/120401048	00122110/120301078	00415110/121401076
MF 24 x 1,25	02206120/120401049	00122120/120301079	00415120/121401077
MF 24 x 1,5	02206130/120401050	00122130/120301080	00415130/121401078
MF 24 x 2	02206140/120401051	00122140/120301081	00415140/121401079
MF 26 x 1	02206200/120401054	00122190/120301084	00415190/121401082
MF 26 x 1,5	02206210/120401055	00122210/120301085	00415210/121401083
MF 26 x 2	02206220/120401056	00122220/120301086	00415220/121401084
MF 27 x 1	02206230/120401057	00122230/120301087	00415230/121401085
MF 27 x 1,5	02206240/120401058	00122240/120301088	00415240/121401086
MF 27 x 2	02206250/120401059	00122250/120301089	00415250/121401087
MF 28 x 1	02206260/120401060	00122260/120301090	00415260/121401088
MF 28 x 1,5	02206270/120401061	00122270/120301091	00415270/121401089
MF 28 x 2	02206280/120401062	00122280/120301092	00415280/121401090
MF 30 x 1	02206290/120401064	00122290/120301094	00415290/121401092
MF 30 x 1,5	02206300/120401065	00122300/120301095	00415300/121401093
MF 30 x 2	02206310/120401066	00122310/120301096	00415310/121401094
MF 30 x 3	02206320/120401068	00122320/120301098	00415320/121401096
MF 32 x 1,5	02206340/120401069	00122340/120301100	00415340/121401097
MF 32 x 2	02206350/120401070	00122350/120301101	00415350/121401099
MF 33 x 1,5	02206380/120401072	00122380/120301103	00415380/121401101
MF 33 x 2	02206390/120401073	00122390/120301104	00415390/121401102
MF 33 x 3	02206400/120401074	00122400/120301105	00415400/121401103
MF 34 x 1,5	02206420/120401075	00122420/120301107	00415420/121401105
MF 34 x 2	02206430/120401076	00122430/120301108	00415430/121401106
MF 35 x 1,5	02206460/120401077	00122460/120301110	00415460/121401108
MF 36 x 1,5	02206500/120401078	00122500/120301113	00415500/121401111
MF 36 x 2	02206510/120401079	00122510/120301114	00415510/121401112
MF 36 x 3	02206520/120401080	00122520/120301115	00415520/121401113
MF 38 x 1,5	02206540/120401081	00122540/120301118	00415540/121401116
MF 39 x 1,5	02206570/120401082	00122570/120301121	00415570/121401119
MF 39 x 2	02206580/120401083	00122580/120301122	00415580/121401120
MF 39 x 3	02206590/120401084	00122590/120301123	00415590/121401121
MF 40 x 1,5	02206610/120401085	00122610/120301125	00415610/121401123
MF 40 x 2	02206620/120401086	00122620/120301126	00415620/121401124
MF 40 x 3	02206630/120401087	00122630/120301127	00415630/121401125
MF 42 x 1,5	02206640/120401088	00122640/120301129	00415640/121401127
MF 42 x 2	02206650/120401089	00122650/120301130	00415650/121401128
MF 42 x 3	02206660/120401090	00122660/120301131	00415660/121401129



מחרוקות וסט מברזים ידני VAP





M	מחרוקת HSSE - VAP	סט ידני HSSE - VAP	מברז שמאלי	מברזי אוברסייז		
				6G	7G	6H+0.1
M3x0.5	00409130	110305001	110402001	110417002	110418001	110419001
M4x0.7	00409150	110305002	110402002	110417003	110418002	110419002
M5x0.8	00409170	110305003	110402003	110417004	110418003	110419003
M6x1.0	00409190	110305004	110402004	110417005	110418004	110419004
M8x1.25	00409210	110305005	110402006	110417006	110418005	110419005
M10x1.5	00409230	110305006	110402007	110417007	110418006	110419006
M12x1.75	00409250	110305007	110402014	110417008	110418007	110419007
M14x2.0	00409260		110402015	110417009		
M16x2.0	00409270		110402016	110417010		
M18x2.5	00409280		110402017	110417011		
M20x2.5	00409290		110402018	110417012		
M22x2.5	00409300		110402019			
M24x3.0	00409310		110402020			
M27x3.0	00409320		110402021			
M30x3.5	00409330		110402022			

מחרוקות לנירוסטה

מחרוקת נירוסטה UNC/UNF	
UNC 4 x 40	14145001
UNC 6 x 32	14145002
UNC 8 x 32	14145003
UNF 10 x 32	151405001
UNC 1/4 x 20	14145004
UNF 1/4 x 28	151405002
UNC 5/16 x 18	14145005
UNF 5/16 x 24	151405003
UNC 3/8 x 16	14145006
UNF 3/8 x 24	151405004
UNF 7/16 x 20	151405005

מחרוקת לנירוסטה BSP	
BSP 1/8x28	131402001
BSP 1/4x19	131402002
BSP 3/8x19	131402003
BSP 1/2x14	131402004
BSP 5/8x14	131402005
BSP 3/4x14	131402006
BSP7/8x14	131402007
BSP 1x11	131402008
BSP 1.1/8x11	131402009
BSP 1.1/4x11	131402010
BSP 1.3/8x11	131402011
BSP 1.1/2x11	131402012
BSP 1.5/8x11	131402013
BSP 1.3/4x11	131402014
BSP 2"x11	131402015

מחרוקת לנירוסטה MF		
MF3x0.35	121405001	
MF4x0.5	121405003	
MF5x0.5	121405004	
MF6x0.75	121405006	
MF8x1.0	121405010	CZO-301-081
MF10x1.0	121405012	CZO-301-102
MF12x1.0	121405014	CZO-301-123
MF12x1.25	121405015	CZO-301-122
MF12x1.5	121405016	CZO-301-121
MF14x1.0	121405017	CZO-301-143
MF14x1.25	121405018	
MF14x1.5	121405019	CZO-301-141
MF16x1.0	121405020	CZO-301-162
MF16x1.5	121405021	CZO-301-161
MF18x1.0	121405022	CZO-301-183
MF18x1.5	121405023	CZO-301-182

מחרוקת לנירוסטה M		
M2x0.4	111405004	CZO-301-020
M2.5x0.45	111405006	CZO-301-025
M3x0.5	111405008	CZO-301-030
M4x0.7	111405010	CZO-301-040
M5x0.8	111405011	CZO-301-050
M6x1.0	111405012	CZO-301-060
M8x1.25	111405014	CZO-301-080
M10x1.5	111405015	CZO-301-100
M12x1.75	111405016	CZO-301-120
M14x2.0	111405017	CZO-301-140
M16x2.0	111405018	CZO-301-160
M18x2.5	111405019	CZO-301-180
M20x2.5	111405020	CZO-301-200
M22x2.5	111405021	CZO-301-220
M24x3.0	111405022	CZO-301-240
M27x3.0	111405023	CZO-301-270
M30x3.5	111405024	CZO-301-300



סט תיקון הברגות

BaerCoil® Thread Repair Kits

M	מקדח	סלילים בסט	מק״ט
M 2 x 0,4	2,1	20	B4001
M 2.5 x 0.45	2,6	20	B4003
M 3 x 0.5	3,2	20	B4005
M 4 x 0.7	4,2	20	B4007
M 5 x 0.8	5,2	20	B4009
M 6 x 1.0	6,3	20	B4010
M 8 x 1.0	8,3	20	B4013
M 8 x 1.25	8,3	20	B4012
M 10 x 1.0	10,3	15	B4018
M 10 x 1.25	10,3	15	B4017
M 10 x 1.5	10,4	15	B4016
M 12 x 1.0	12,3	10	B4024
M 12 x 1.25	12,3	10	B4023
M 12 x 1.5	12,4	10	B4022
M 12 x 1,75	12,4	10	B4021
M 14 x 1.0	14,4	10	B4031
M 14 x 1.25	14,4	10	B4030
M 14 x 1.5	14,5	10	B4029
M 14 x 2.0	14,5	10	B4028
M 16 x 1.5		10	B4033
M 16 x 2.0		10	B4032
M 18 x 1.5		5	B4036
M 18 x 2.0		5	B4035
M 18 x 2.5		5	B4034
M 20 x 1.5		5	B4039
M 20 x 2.0		5	B4038
M 20 x 2.5		5	B4037
M 22 x 1.5		5	B4042
M 22 x 2.0		5	B4041
M 22 x 2.5		5	B4040
M 24 x 1.5		5	B4045
M 24 x 2.0		5	B4044
M 24 x 3.0		5	B4043
M 27 x 1.5		5	B4052
M 27 x 2.0		5	B4051
M 27 x 3.0		5	B4050

UNC	מקדח	סלילים בסט	מק״ט
UNC 2 x 56	2,3	20	B4100
UNC 3 x 48	2,6	10	B4348
UNC 4 x 40	3,0	20	B4101
UNC 5 x 40	3,4	20	B4106
UNC 6 x 32	3,7	20	B4102
UNC 8 x 32	4,5	20	B4103
UNC 10 x 24	5,2	20	B4104
UNC 12 x 24	5,8	10	B4105
UNC 1/4 x 20	6,7	20	B4107
UNC 5/16 x 18	8,3	20	B4108
UNC 3/8 x 16	9,9	15	B4109
UNC 7/16 x 14	11,6	10	B4110
UNC 1/2 x 13	13,0	10	B4111
UNC 9/16 x 12		10	B4112
UNC 5/8 x 11		10	B4113
UNC 11/16x11		5	B4116
UNC 3/4 x 10		5	B4114
UNC 7/8 x 9		5	B4115
UNC 1" x 8		5	B4116
UNC 1.1/8 x 7		10	B4117
UNC 1.1/4 x 7		10	B4118
UNC 1.3/8 x 6		10	B4119
UNC 1.1/2 x 6		10	B4120

UNF	מקדח	סלילים בסט	מק״ט
UNF 2 x 64	2,3	10	B41201
UNF 3 x 56	2,6	10	B4356
UNF 4 x 48	3,0	20	B41202
UNF 6 x 40	3,7	20	B4121
UNF 8 x 36	4,4	20	B4122
UNF 10 x 32	5,1	20	B4123
UNF 1/4 x 28	6,6	20	B4125
UNF 5/16 x 24	8,2	20	B4126
UNF 3/8 x 24	9,8	15	B4127
UNF 7/16 x 20	11,5	10	B4128
UNF 1/2 x 20	13,0	10	B4129
UNF 9/16 x 18	14,8	10	B4130
UNF 5/8 x 18	16,3	10	B4131
UNF 3/4 x 16		5	B4132
UNF 7/8 x 14		5	B4133
UNF 1" x 12		5	B4134
UNF 1.1/8 x 12		5	B4137
UNF 1.1/4 x 12		5	B4138
UNF 1.3/8 x 12		5	B4139
UNF 1.1/2 x 12		5	B4140



M2-M14
UNC 2-1/2
UNF 2-5/8



M16-M27
UNC 9/16-1½
UNF 3/4-1½

סט לחילוץ בורג שבור





29570	29571	29572	29573	29574
סט חילוץ 1/4, M6	סט חילוץ 5/16, M8	סט חילוץ 3/8, M10	סט חילוץ 7/16, M12	סט חילוץ 1/2, M14

סלילי הליקויל (נירוסטה)

M






Diameter x Pitch	pack. unit	1,0 D 1,0 x Diameter Item-No.:	1,5 D 1,5 x Diameter Item-No.:	2,0 D 2,0 x Diameter Item-No.:	2,5 D 2,5 x Diameter Item-No.:
M 2 x 0,4	100	1-B7202-1	1-B7202-15	1-B7202-2	1-B7202-25
M 2,2 x 0,45	100	1-B7203-1	1-B7203-15	1-B7203-2	1-B7203-25
M 2,5 x 0,45	100	1-B7204-1	1-B7204-15	1-B7204-2	1-B7204-25
M 3 x 0,5	100	1-B7205-1	1-B7205-15	1-B7205-2	1-B7205-25
M 3,5 x 0,6	100	1-B7206-1	1-B7206-15	1-B7206-2	1-B7206-25
M 4 x 0,7	100	1-B7207-1	1-B7207-15	1-B7207-2	1-B7207-25
M 4,5 x 0,75	100	1-BE4575-1	1-BE4575-15	1-BE4575-2	1-BE4575-25
M 5 x 0,8	100	1-B7208-1	1-B7208-15	1-B7208-2	1-B7208-25
M 6 x 0,75	100	1-BE675-1	1-BE675-15	1-BE675-2	
M 6 x 1,0	100	1-B7209-1	1-B7209-15	1-B7209-2	1-B7209-25
M 7 x 1,0	100	1-B7210-1	1-B7210-15	1-B7210-2	1-B7210-25
M 8 x 0,75	100	1-BE875-1	1-BE875-15	1-BE875-2	
M 8 x 1,0	100	1-B7212-1	1-B7212-15	1-B7212-2	1-B7212-25
M 8 x 1,25	100	1-B7211-1	1-B7211-15	1-B7211-2	1-B7211-25
M 9 x 1,0	100	1-BE91-1	1-BE91-15	1-BE91-2	
M 9 x 1,25	100	1-B7213-1	1-B7213-15	1-B7213-2	1-B7213-25
M 10 x 1,0	100	1-B7217-1	1-B7217-15	1-B7217-2	1-B7217-25
M 10 x 1,25	100	1-B7216-1	1-B7216-15	1-B7216-2	1-B7216-25
M 10 x 1,5	100	1-B7215-1	1-B7215-15	1-B7215-2	1-B7215-25
M 11 x 1,0	100	1-BE111-1	1-BE111-15	1-BE111-2	
M 11 x 1,25	100		1-BE1125-15	1-BE1125-2	
M 11 x 1,5	100	1-B7219-1	1-B7219-15	1-B7219-2	1-B7219-25
M 12 x 1,0	100	1-B7224-1	1-B7224-15	1-B7224-2	1-B7224-25
M 12 x 1,25	100	1-B7223-1	1-B7223-15	1-B7223-2	1-B7223-25
M 12 x 1,5	100	1-B7222-1	1-B7222-15	1-B7222-2	1-B7222-25
M 12 x 1,75	100	1-B7221-1	1-B7221-15	1-B7221-2	1-B7221-25
M 13 x 1,25	50	1-BE1325-1	1-BE1325-15	1-BE1325-2	
M 13 x 1,5	50	1-BE1315-1	1-BE1315-15	1-BE1315-2	
M 14 x 1,0	50	1-B7228-1	1-B7228-15	1-B7228-2	1-B7228-25
M 14 x 1,25	50	1-B7227-1	1-B7227-15	1-B7227-2	1-B7227-25
M 14 x 1,5	50	1-B7226-1	1-B7226-15	1-B7226-2	1-B7226-25
M 14 x 2,0	50	1-B7225-1	1-B7225-15	1-B7225-2	1-B7225-25
M 15 x 1,5	50	1-BE1515-1	1-BE1515-15	1-BE1515-2	
M 16 x 1,5	50	1-B7235-1	1-B7235-15	1-B7235-2	1-B7235-25
M 16 x 2,0	50	1-B7234-1	1-B7234-15	1-B7234-2	1-B7234-25
M 18 x 1,5	25	1-B7238-1	1-B7238-15	1-B7238-2	1-B7238-25
M 18 x 2,0	25	1-B7237-1	1-B7237-15	1-B7237-2	1-B7237-25
M 18 x 2,5	25	1-B7236-1	1-B7236-15	1-B7236-2	1-B7236-25
M 20 x 1,5	25	1-B7241-1	1-B7241-15	1-B7241-2	1-B7241-25
M 20 x 2,0	25	1-B7240-1	1-B7240-15	1-B7240-2	1-B7240-25
M 20 x 2,5	25	1-B7239-1	1-B7239-15	1-B7239-2	1-B7239-25
M 22 x 2,0	25	1-B7243-1	1-B7243-15	1-B7243-2	1-B7243-25
M 22 x 1,5	25	1-B7244-1	1-B7244-15	1-B7244-2	1-B7244-25
M 22 x 2,5	25	1-B7242-1	1-B7242-15	1-B7242-2	1-B7242-25
M 24 x 1,5	25	1-B7247-1	1-B7247-15	1-B7247-2	1-B7247-25
M 24 x 2,0	25	1-B7246-1	1-B7246-15	1-B7246-2	1-B7246-25
M 24 x 3,0	25	1-B7245-1	1-B7245-15	1-B7245-2	1-B7245-25
M 26 x 1,5	5		1-B7349-15		
M 27 x 1,5	5		1-B7352-15		
M 27 x 2,0	5		1-B7351-15		
M 27 x 3,0	5	1-BE273-1	1-BE273-15	1-BE273-2	
M 28 x 1,5	5	1-B7353-1	1-B7353-15		
M 30 x 1,5	5	1-B7356-1	1-B7356-15		
M 30 x 2,0	5	1-B7355-1	1-B7355-15		
M 30 x 3,5	5	1-B7354-1	1-B7354-15	1-B7354-2	
M 33 x 2,0	5	1-B7358-1	1-B7358-15		
M 33 x 3,5	5	1-B7357-1	1-B7357-15	1-B7357-2	
M 36 x 1,5	5		1-B7363-15		
M 36 x 2,0	5		1-B7362-15		
M 36 x 3,0	5		1-B7361-15		
M 36 x 4,0	5	1-BE364-1	1-BE364-15	1-BE364-2	
M 39 x 2,0	5		1-BE392-15		
M 39 x 4,0	5		1-BE394-15		
M 42 x 2,0	5		1-BE422-15		
M 42 x 3,0	5		1-BE423-15		
M 42 x 4,0	5		1-BE424-15		

UNC

Diameter x Threads per inch	pack. unit	1,0 D 1,0 x Diameter Item-No.:	1,5 D 1,5 x Diameter Item-No.:	2,0 D 2,0 x Diameter Item-No.:	2,5 D 2,5 x Diameter Item-No.:
UNC 2 x 56	100	1-B8200-1	1-B8200-15	1-B8200-2	1-B8200-25
UNC 3 x 48	100	1-B8213-1	1-B8213-15	1-B8213-2	
UNC 4 x 40	100	1-B8201-1	1-B8201-15	1-B8201-2	1-B8201-25
UNC 5 x 40	100	1-B8202-1	1-B8202-15	1-B8202-2	1-B8202-25
UNC 6 x 32	100	1-B8203-1	1-B8203-15	1-B8203-2	1-B8203-25
UNC 8 x 32	100	1-B8204-1	1-B8204-15	1-B8204-2	1-B8204-25
UNC 10 x 24	100	1-B8205-1	1-B8205-15	1-B8205-2	1-B8205-25
UNC 12 x 24	100	1-B8206-1	1-B8206-15	1-B8206-2	1-B8206-25
UNC 1/4 x 20	100	1-B8207-1	1-B8207-15	1-B8207-2	1-B8207-25
UNC 5/16 x 18	100	1-B8208-1	1-B8208-15	1-B8208-2	1-B8208-25
UNC 3/8 x 16	100	1-B8209-1	1-B8209-15	1-B8209-2	1-B8209-25
UNC 7/16 x 14	100	1-B8210-1	1-B8210-15	1-B8210-2	1-B8210-25
UNC 1/2 x 13	100	1-B8211-1	1-B8211-15	1-B8211-2	1-B8211-25
UNC 9/16 x 12	50	1-B8212-1	1-B8212-15	1-B8212-2	1-B8212-25
UNC 5/8 x 11	50	1-B8214-1	1-B8214-15	1-B8214-2	1-B8214-25
UNC 3/4 x 10	25	1-B8215-1	1-B8215-15	1-B8215-2	1-B8215-25
UNC 7/8 x 9	10	1-B8218-1	1-B8218-15	1-B8218-2	1-B8218-25
UNC 1“ x 8	10	1-B8219-1	1-B8219-15	1-B8219-2	1-B8219-25
UNC 1.1/8“ x 7	5		1-B8320-15		
UNC 1.1/4“ x 7	5		1-B8321-15		
UNC 1.3/8“ x 6	5		1-B8322-15		
UNC 1.1/2“ x 6	5		1-B8323-15		

UNF

Diameter x Threads per inch	pack. unit	1,0 D 1,0 x Diameter Item-No.:	1,5 D 1,5 x Diameter Item-No.:	2,0 D 2,0 x Diameter Item-No.:	2,5 D 2,5 x Diameter Item-No.:
UNF 2 x 64	100	1-B8287-1	1-B8287-15	1-B8287-2	1-B8287-25
UNF 3 x 56	100	1-B8288-1	1-B8288-15	1-B8288-2	
UNF 4 x 48	100	1-B8290-1	1-B8290-15	1-B8290-2	1-B8290-25
UNF 5 x 44	100	1-B8289-1	1-B8289-15	1-B8289-2	1-B8289-25
UNF 6 x 40	100	1-B8291-1	1-B8291-15	1-B8291-2	1-B8291-25
UNF 8 x 36	100	1-B8292-1	1-B8292-15	1-B8292-2	1-B8292-25
UNF 10 x 32	100	1-B8293-1	1-B8293-15	1-B8293-2	1-B8293-25
UNF 1/4 x 28	100	1-B8225-1	1-B8225-15	1-B8225-2	1-B8225-25
UNF 5/16 x 24	100	1-B8226-1	1-B8226-15	1-B8226-2	1-B8226-25
UNF 3/8 x 24	100	1-B8227-1	1-B8227-15	1-B8227-2	1-B8227-25
UNF 7/16 x 20	100	1-B8228-1	1-B8228-15	1-B8228-2	1-B8228-25
UNF 1/2 x 20	100	1-B8229-1	1-B8229-15	1-B8229-2	1-B8229-25
UNF 9/16 x 18	50	1-B8230-1	1-B8230-15	1-B8230-2	1-B8230-25
UNF 5/8 x 18	50	1-B8231-1	1-B8231-15	1-B8231-2	1-B8231-25
UNF 3/4 x 16	25	1-B8233-1	1-B8233-15	1-B8233-2	1-B8233-25
UNF 7/8 x 14	10	1-B8235-1	1-B8235-15	1-B8235-2	1-B8235-25
UNF 1“ x 12	10	1-B8237-1	1-B8237-15	1-B8237-2	1-B8237-25
UNF 1.1/8“ x 12	5		1-B8238-15		
UNF 1.1/4“ x 12	5		1-B8239-15		
UNF 1.3/8“ x 12	5		1-B8240-15		
UNF 1.1/2“ x 12	5		1-B8236-15		

G (BSP)

Diameter x Threads per inch	pack. unit	1,0 D 1,0 x Diameter Item-No.:	1,5 D 1,5 x Diameter Item-No.:	2,0 D 2,0 x Diameter Item-No.:	2,5 D 2,5 x Diameter Item-No.:
G 1/8 x 28	100	1-B8380-1	1-B8380-15	1-B8380-2	1-B8380-25
G 1/4 x 19	100	1-B8381-1	1-B8381-15	1-B8381-2	1-B8381-25
G 3/8 x 19	50	1-B8382-1	1-B8382-15	1-B8382-2	1-B8382-25
G 1/2 x 14	25	1-B8383-1	1-B8383-15	1-B8383-2	1-B8383-25
G 5/8 x 14	10	1-B8384-1	1-B8384-15	1-B8384-2	1-B8384-25
G 3/4 x 14	5	1-B8385-1	1-B8385-15	1-B8385-2	1-B8385-25
G 7/8 x 14	5	1-B8386-1	1-B8386-15	1-B8386-2	
G 1“ x 11	5	1-B8387-1	1-B8387-15	1-B8387-2	

מסורים

מסורים לחיתוך עץ

11 1300



✓	Soft wood, hard wood, and exotic wood across the grain
✓	Soft wood, hard wood, and exotic wood along the grain
✓	Bonded wood, blockboard and veneer plywood, laminated wood
✓	Chipboard, hard fibre board, boards without laminate LDF, MDF, HDF
✓	Chipboard, hard fibre board, plastic-coated/veneered, MDF, HDF
✓	Veneers
✓	Profiled wood
✓	Mineral/acrylic bound solid boards/kitchen worktops: Corian®, Noblan®, Hi-Macs®, Staron®, Rausolid®, Varicor®
✓	HPL High-Pressure-Laminate solid boards/façade panels: Trespa®, Resopal®, Duropal®, Formica®, Kronospan®, Decodur®
✓	Plastics, plexiglass, acrylics, duro- and thermoplastics

מקט			H7			
11 1300 250 010	250	3.2/2.2	30	40 WZ	15	UNI
11 1300 250 020	250	3.2/2.2	30	48 WZ	15	UNI
11 1300 250 030	250	3.2/2.2	30	60 WZ	10	UNI
11 1300 250 040	250	3.2/2.2	30	80 WZ	10	UNI
11 1300 300 010	300	3.2/2.2	30	48 WZ	15	UNI
11 1300 300 020	300	3.2/2.2	30	60 WZ	15	UNI
11 1300 300 030	300	3.2/2.2	30	72 WZ	10	UNI
11 1300 300 040	300	3.2/2.2	30	96 WZ	10	UNI
11 1300 350 010	350	3.5/2.5	30	54 WZ	15	UNI
11 1300 350 020	350	3.5/2.5	30	72 WZ	15	UNI
11 1300 350 030	350	3.5/2.5	30	84 WZ	10	UNI
11 1300 350 040	350	3.5/2.5	30	108 WZ	10	UNI

מסורים לחיתוך אלומיניום

11 1100



✓	Non ferrous materials like aluminium, copper, brass
✓	Plastics, plexiglass, acrylics, duro- and thermoplastics

מקט			H7		
11 1100 250 010	250	3.2/2.5	30	60 TFN	UNI 1 + UNI 2
11 1100 250 015	250	3.2/2.5	30	60 TFN	UNI 1 + UNI 2
11 1100 250 017	250	3.2/2.5	30	80 TFN	UNI 1 + UNI 2
11 1100 250 020	250	3.2/2.5	30	80 TFN	UNI 1 + UNI 2
11 1100 250 030	250	2.8/2.2	30	80 TFN	UNI 1 + UNI 2
11 1100 250 040	250	2.8/2.2	30	100 TFN	UNI 1 + UNI 2
11 1100 250 050	250	3.2/2.5	32	60 TFN	UNI 2
11 1100 250 060	250	3.2/2.5	32	80 TFN	UNI 2
11 1100 250 070	250	3.2/2.5	32	100 TFN	UNI 2
11 1100 300 010	300	3.2/2.5	30	72 TFN	UNI 1 + UNI 2
11 1100 300 015	300	3.2/2.5	30	72 TFN	UNI 1 + UNI 2
11 1100 300 017	300	3.2/2.5	30	96 TFN	UNI 1 + UNI 2
11 1100 300 020	300	3.2/2.5	30	96 TFN	UNI 1 + UNI 2
11 1100 300 030	300	2.8/2.2	30	120 TFN	UNI 1 + UNI 2
11 1100 300 040	300	3.2/2.5	32	72 TFN	UNI 2
11 1100 300 050	300	3.2/2.5	32	96 TFN	UNI 2
11 1100 300 060	300	2.8/2.2	32	120 TFN	UNI 2
11 1100 300 070	300	3.2/2.5	40	72 TFN	2-9-55+4-12-64
11 1100 300 080	300	3.2/2.5	40	96 TFN	2-9-55+4-12-64
11 1100 350 010	350	3.4/2.8	30	90 TFN	UNI 1 + UNI 2
11 1100 350 015	350	3.6/2.8	30	84 TFN	UNI 1 + UNI 2
11 1100 350 017	350	3.6/2.8	30	108 TFN	UNI 1 + UNI 2
11 1100 350 020	350	3.4/2.8	30	108 TFN	UNI 1 + UNI 2
11 1100 350 030	350	3.2/2.5	30	140 TFN	UNI 1 + UNI 2
11 1100 350 040	350	3.4/2.8	32	90 TFN	UNI 2
11 1100 350 050	350	3.4/2.8	32	108 TFN	UNI 2
11 1100 350 060	350	3.4/2.8	40	84 TFN	2-9-55+4-12-64
11 1100 350 070	350	3.4/2.8	40	108 TFN	2-9-55+4-12-64
11 1100 350 080	350	3.4/2.8	50	84 TFN	4-15-80
11 1100 350 090	350	3.4/2.8	50	108 TFN	4-15-80

מסורים לחיתוך מתכת

10 7130



✓	Mild steel
✓	Non ferrous materials like aluminium, copper, brass
✓	Thin iron sheets, sandwich material, composites
✓	Plastics, plexiglass, acrylics, duro- and thermoplastics

מקט			H7		
10 7130 305 010	305	2.2/1.8	25.4	60 TFPS	-
10 7130 305 020	305	2.2/1.8	25.4	80 TFPS	-
10 7130 355 020	355	2.4/2.0	25.4	80 TFPS	-
10 7130 355 030	355	2.4/2.0	25.4	90 TFPS	1-12-55.4

מסורים אוניברסלים לחיתוך אלומיניום, פלדה ועץ

10 8055

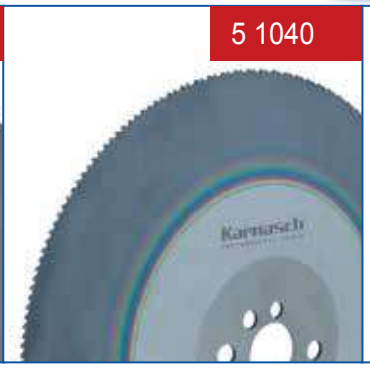


✓	Mild steel
✓	Non ferrous materials like aluminium, copper, brass
✓	Thin iron sheets, sandwich material, composites
✓	Plastics, plexiglass, acrylics, duro- and thermoplastics
✓	Soft wood, hard wood, and exotic wood across the grain
✓	Wood with inclusions like nails, clips, concrete residues

מקט			H7		
10 8055 180 005	180	2.2/1.6	22.22	10 WZ	-
10 8055 180 010	180	2.0/1.4	30/22/20	20 WZ	UNI 1
10 8055 180 020	180	2.0/1.4	30/22/20	34 WZ	UNI 1
10 8055 180 030	180	2.0/1.4	30/22/20	48 WWF	UNI 1
10 8055 185 010	185	2.0/1.4	20/16	20 WZ	2-6-32
10 8055 185 020	185	2.0/1.4	20/16	34 WZ	2-6-32
10 8055 185 030	185	2.0/1.4	20/16	48 WWF	2-6-32
10 8055 190 010	190	2.0/1.4	30	20 WZ	UNI 1
10 8055 190 020	190	2.0/1.4	30	34 WZ	UNI 1
10 8055 190 030	190	2.0/1.4	30	48 WWF	UNI 1
10 8055 210 010	210	2.0/1.4	30	22 WZ	UNI 1
10 8055 210 020	210	2.0/1.4	30	36 WZ	UNI 1
10 8055 210 030	210	2.0/1.4	30	48 WWF	UNI 1
10 8055 216 010	216	2.0/1.4	30	24 WZ	UNI 1
10 8055 216 020	216	2.0/1.4	30	36 WZ	UNI 1
10 8055 216 030	216	2.0/1.4	30	48 WWF	UNI 1
10 8055 225 010	225	2.0/1.4	30	24 WZ	UNI 1
10 8055 225 020	225	2.0/1.4	30	36 WZ	UNI 1
10 8055 225 030	225	2.0/1.4	30	48 WWF	UNI 1
10 8055 230 010	230/235	2.0/1.4	30/22	24 WZ	UNI 1
10 8055 230 020	230/235	2.0/1.4	30/22	36 WZ	UNI 1
10 8055 230 030	230/235	2.0/1.4	30/22	48 WWF	UNI 1
10 8055 250 010	250	2.4/1.8	30/25.4	28 WZ	UNI 1 + UNI 2
10 8055 250 020	250	2.4/1.8	30/25.4	44 WZ	UNI 1 + UNI 2
10 8055 250 030	250	2.4/1.8	30/25.4	60 WWF	UNI 1 + UNI 2
10 8055 260 010	260	2.4/1.8	30	28 WZ	UNI 1 + UNI 2
10 8055 260 020	260	2.4/1.8	30	44 WZ	UNI 1 + UNI 2
10 8055 260 030	260	2.4/1.8	30	60 WWF	UNI 1 + UNI 2
10 8055 270 010	270	2.4/1.8	30	30 WZ	UNI 1 + UNI 2
10 8055 270 020	270	2.4/1.8	30	46 WZ	UNI 1 + UNI 2
10 8055 270 030	270	2.4/1.8	30	60 WWF	UNI 1 + UNI 2
10 8055 280 010	280	2.4/1.8	30	32 WZ	UNI 1 + UNI 2
10 8055 280 020	280	2.4/1.8	30	48 WZ	UNI 1 + UNI 2
10 8055 280 030	280	2.4/1.8	30	60 WWF	UNI 1 + UNI 2
10 8055 300 010	300	2.4/1.8	30	32 WZ	UNI 1 + UNI 2
10 8055 300 020	300	2.4/1.8	30	48 WZ	UNI 1 + UNI 2
10 8055 300 030	300	2.4/1.8	30	60 WWF	UNI 1 + UNI 2



For steels ≤ 800 N/mm²



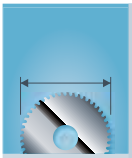
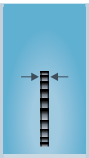
For steel/stainless steel ≤ 800 N/mm²
Aluminium, copper, brass



For steel/stainless steel ≤ 1200 N/mm²
Cast iron, bronze, zinc alloy, inconel



For steel/stainless steel ≤ 1200 N/mm²
Cast iron, bronze, zinc alloy, inconel

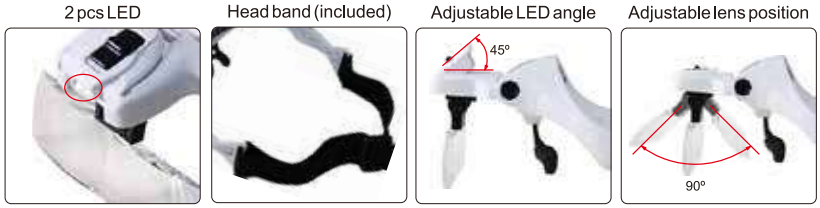
			BW  HZ 		5 1000 HSS-DMo5 Steam treated	5 1040 HSS-DMo5 Kx-coated	5 1300 HSS-Co5 Steam treated	5 1340 HSS-Co5 Kx-coated
					Art.	Art.	Art.	Art.
250	1.2	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 250 010	-	● 5 1300 250 010	-
250	1.2	32	240 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 020	-	-	-
250	1.2	32	200 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 030	-	-	-
250	1.2	32	180 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 040	-	-	-
250	1.2	32	160 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 050	-	-	-
250	1.6	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 250 060	-	● 5 1300 250 060	-
250	1.6	32	240 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 070	-	-	-
250	1.6	32	200 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 080	-	-	-
250	1.6	32	180 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 090	-	-	-
250	1.6	32	160 BW	2-8-45+2-9-50+2-11-63	% 5 1000 250 100	-	-	-
250	1.6	32	128 HZ	2-8-45+2-9-50+2-11-63	● 5 1000 250 110	-	-	-
250	1.6	40	0	2-8-55 + 4-12-64	% 5 1000 250 120	-	-	-
250	2.0	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 250 150	-	● 5 1300 250 150	-
250	2.0	32	240 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 160	● 5 1040 250 160	● 5 1300 250 160	● 5 1340 250 160
250	2.0	32	200 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 170	● 5 1040 250 170	● 5 1300 250 170	● 5 1340 250 170
250	2.0	32	180 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 180	● 5 1040 250 180	● 5 1300 250 180	● 5 1340 250 180
250	2.0	32	160 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 190	● 5 1040 250 190	● 5 1300 250 190	-
250	2.0	32	140 BW	2-8-45+2-9-50+2-11-63	% 5 1000 250 200	-	-	-
250	2.0	32	128 HZ	2-8-45+2-9-50+2-11-63	● 5 1000 250 210	● 5 1040 250 210	● 5 1300 250 210	-
250	2.0	32	100 HZ	2-8-45+2-9-50+2-11-63	● 5 1000 250 220	% 5 1040 250 220	● 5 1300 250 220	-
250	2.0	32	0	4-9-50 + 4-11-63	% 5 1000 250 230	-	% 5 1300 250 230	-
250	2.0	32	200 BW	4-9-50 + 4-11-63	-	-	-	-
250	2.0	32	100 HZ	4-9-50 + 4-11-63	-	-	-	-
250	2.0	40	0	2-8-55 + 4-12-64	● 5 1000 250 280	-	● 5 1300 250 280	-
250	2.0	40	240 BW	2-8-55 + 4-12-64	● 5 1000 250 290	● 5 1040 250 290	● 5 1300 250 290	● 5 1340 250 290
250	2.0	40	200 BW	2-8-55 + 4-12-64	● 5 1000 250 300	● 5 1040 250 300	● 5 1300 250 300	● 5 1340 250 300
250	2.0	40	180 BW	2-8-55 + 4-12-64	% 5 1000 250 310	● 5 1040 250 310	● 5 1300 250 310	● 5 1340 250 310
250	2.0	40	160 BW	2-8-55 + 4-12-64	● 5 1000 250 320	● 5 1040 250 320	● 5 1300 250 320	-
250	2.0	40	128 HZ	2-8-55 + 4-12-64	● 5 1000 250 330	● 5 1040 250 330	● 5 1300 250 330	-
250	2.0	40	100 HZ	2-8-55 + 4-12-64	● 5 1000 250 340	● 5 1040 250 340	● 5 1300 250 340	-
250	2.5	32	0	2-8-45+2-9-50+2-11-63	● 5 1000 250 350	-	● 5 1300 250 350	-
250	2.5	32	240 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 360	% 5 1040 250 360	-	● 5 1340 250 360
250	2.5	32	200 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 370	% 5 1040 250 370	● 5 1300 250 370	● 5 1340 250 370
250	2.5	32	160 BW	2-8-45+2-9-50+2-11-63	● 5 1000 250 380	● 5 1040 250 380	● 5 1300 250 380	● 5 1340 250 380
250	2.5	32	128 HZ	2-8-45+2-9-50+2-11-63	● 5 1000 250 390	● 5 1040 250 390	● 5 1300 250 390	-
250	2.5	32	100 HZ	2-8-45+2-9-50+2-11-63	● 5 1000 250 400	% 5 1040 250 400	● 5 1300 250 400	-
250	2.5	32	0	4-9-50 + 4-11-63	% 5 1000 250 410	-	-	-
250	2.5	32	128 HZ	4-9-50 + 4-11-63	% 5 1000 250 420	-	-	-
250	2.5	32	100 HZ	4-9-50 + 4-11-63	% 5 1000 250 430	-	-	-
250	2.5	40	0	2-8-55 + 4-12-64	● 5 1000 250 440	-	● 5 1300 250 440	-
250	2.5	40	240 BW	2-8-55 + 4-12-64	● 5 1000 250 450	% 5 1040 250 450	% 5 1300 250 450	-
250	2.5	40	200 BW	2-8-55 + 4-12-64	● 5 1000 250 460	% 5 1040 250 460	● 5 1300 250 460	-
250	2.5	40	160 BW	2-8-55 + 4-12-64	● 5 1000 250 470	% 5 1040 250 470	● 5 1300 250 470	-
250	2.5	40	128 HZ	2-8-55 + 4-12-64	● 5 1000 250 480	% 5 1040 250 480	● 5 1300 250 480	-
250	2.5	40	100 HZ	2-8-55 + 4-12-64	% 5 1000 250 490	% 5 1040 250 490	% 5 1300 250 490	-

			BW  HZ 		5 1000 HSS-DMo5 Steam treated Art.	5 1040 HSS-DMo5 Kx-coated Art.	5 1300 HSS-Co5 Steam treated Art.	5 1340 HSS-Co5 Kx-coated Art.
275	3.0	32	220 BW	2-8-45+2-9-50+2-11-63	% 5 1000 275 570	-	-	-
275	3.0	32	140 HZ	2-8-45+2-9-50+2-11-63	-	-	-	-
275	3.0	32	110 HZ	2-8-45+2-9-50+2-11-63	-	-	-	-
275	3.0	32	0	4-9-50 + 4-11-63	% 5 1000 275 600	-	-	-
275	3.0	40	0	2-8-55 + 4-12-64	% 5 1000 275 610	-	-	-
275	3.0	40	220 BW	2-8-55 + 4-12-64	% 5 1000 275 620	-	-	-
300	1.6	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 300 010	-	• 5 1300 300 010	-
300	1.6	32	300 BW	2-8-45+2-9-50+2-11-63	• 5 1000 300 020	-	-	-
300	1.6	32	220 BW	2-8-45+2-9-50+2-11-63	• 5 1000 300 030	-	-	-
300	1.6	32	180 BW	2-8-45+2-9-50+2-11-63	-	-	-	-
300	2.0	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 300 050	-	• 5 1300 300 050	-
300	2.0	32	300 BW	2-8-45+2-9-50+2-11-63	• 5 1000 300 060	-	-	-
300	2.0	32	220 BW	2-8-45+2-9-50+2-11-63	• 5 1000 300 070	-	-	-
300	2.0	32	180 BW	2-8-45+2-9-50+2-11-63	• 5 1000 300 080	-	-	-
300	2.5	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 300 090	-	• 5 1300 300 090	-
300	2.5	32	220 BW	2-8-45+2-9-50+2-11-63	• 5 1000 300 100	• 5 1040 300 100	• 5 1300 300 100	• 5 1340 300 100
300	2.5	32	200 BW	2-8-45+2-9-50+2-11-63	• 5 1000 300 110	% 5 1040 300 110	• 5 1300 300 110	• 5 1340 300 110
300	2.5	32	180 BW	2-8-45+2-9-50+2-11-63	• 5 1000 300 120	• 5 1040 300 120	• 5 1300 300 120	-
300	2.5	32	160 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 300 130	% 5 1040 300 130	• 5 1300 300 130	• 5 1340 300 130
300	2.5	32	120 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 300 140	• 5 1040 300 140	• 5 1300 300 140	-
300	2.5	32	100 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 300 150	-	-	-
300	2.5	32	0	-	% 5 1000 300 160	-	-	-
300	2.5	32	220 BW	-	-	-	-	-
300	2.5	32	200 BW	-	% 5 1000 300 180	-	-	-
300	2.5	32	160 HZ	-	% 5 1000 300 190	-	-	-
300	2.5	32	120 HZ	-	% 5 1000 300 200	-	-	-
300	2.5	40	0	2-8-55 + 4-12-64	• 5 1000 300 210	-	• 5 1300 300 210	-
300	2.5	40	220 BW	2-8-55 + 4-12-64	• 5 1000 300 220	• 5 1040 300 220	• 5 1300 300 220	• 5 1340 300 220
300	2.5	40	200 BW	2-8-55 + 4-12-64	• 5 1000 300 230	% 5 1040 300 230	• 5 1300 300 230	-
300	2.5	40	180 BW	2-8-55 + 4-12-64	• 5 1000 300 240	-	• 5 1300 300 240	% 5 1340 300 240
300	2.5	40	160 HZ	2-8-55 + 4-12-64	• 5 1000 300 250	• 5 1040 300 250	• 5 1300 300 250	• 5 1340 300 250
300	2.5	40	120 HZ	2-8-55 + 4-12-64	• 5 1000 300 260	• 5 1040 300 260	• 5 1300 300 260	-
300	2.5	40	100 HZ	2-8-55 + 4-12-64	• 5 1000 300 270	-	-	-
300	3.0	32	160 HZ	2-8-45+2-9-50+2-11-63	-	-	-	-
300	3.0	32	120 HZ	2-8-45+2-9-50+2-11-63	% 5 1000 300 290	-	-	-
300	3.0	32	0	-	% 5 1000 300 300	-	-	-
300	3.0	40	0	2-8-55 + 4-12-64	% 5 1000 300 310	-	-	-
300	3.0	40	160 HZ	2-8-55 + 4-12-64	-	-	-	-
300	3.0	40	120 HZ	2-8-55 + 4-12-64	-	-	-	-
315	1.6	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 315 010	-	• 5 1300 315 010	-
315	1.6	32	300 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 020	-	-	-
315	1.6	32	240 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 030	-	-	-
315	1.6	32	220 BW	2-8-45+2-9-50+2-11-63	% 5 1000 315 040	-	-	-
315	1.6	32	200 BW	2-8-45+2-9-50+2-11-63	% 5 1000 315 050	-	-	-
315	1.6	40	0	2-8-55 + 4-12-64	• 5 1000 315 060	-	• 5 1300 315 060	-
315	1.6	40	300 BW	2-8-55 + 4-12-64	• 5 1000 315 070	-	-	-
315	1.6	40	240 BW	2-8-55 + 4-12-64	% 5 1000 315 080	-	-	-
315	1.6	40	220 BW	2-8-55 + 4-12-64	% 5 1000 315 090	-	-	-
315	1.6	40	200 BW	2-8-55 + 4-12-64	• 5 1000 315 100	-	-	-
315	2.0	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 315 110	-	• 5 1300 315 110	-
315	2.0	32	300 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 120	-	-	-
315	2.0	32	240 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 130	-	-	-
315	2.0	32	220 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 140	-	-	-
315	2.0	32	200 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 150	-	-	-
315	2.0	32	180 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 160	-	-	-
315	2.0	40	0	2-8-55 + 4-12-64	• 5 1000 315 170	-	• 5 1300 315 170	-

			BW  HZ 		5 1000 HSS-DMo5 Steam treated Art.	5 1040 HSS-DMo5 Kx-coated Art.	5 1300 HSS-Co5 Steam treated Art.	5 1340 HSS-Co5 Kx-coated Art.
315	2.0	40	300 BW	2-8-55 + 4-12-64	-	-	-	-
315	2.0	40	240 BW	2-8-55 + 4-12-64	% 5 1000 315 190	-	-	-
315	2.0	40	220 BW	2-8-55 + 4-12-64	% 5 1000 315 200	-	-	-
315	2.0	40	200 BW	2-8-55 + 4-12-64	• 5 1000 315 210	-	-	-
315	2.0	40	180 BW	2-8-55 + 4-12-64	• 5 1000 315 220	-	-	-
315	2.5	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 315 230	-	• 5 1300 315 230	-
315	2.5	32	240 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 240	• 5 1040 315 240	• 5 1300 315 240	• 5 1340 315 240
315	2.5	32	220 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 250	• 5 1040 315 250	• 5 1300 315 250	• 5 1340 315 250
315	2.5	32	200 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 260	• 5 1040 315 260	• 5 1300 315 260	• 5 1340 315 260
315	2.5	32	180 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 270	-	• 5 1300 315 270	• 5 1340 315 270
315	2.5	32	160 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 315 280	• 5 1040 315 280	• 5 1300 315 280	• 5 1340 315 280
315	2.5	32	120 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 315 290	• 5 1040 315 290	• 5 1300 315 290	• 5 1340 315 290
315	2.5	32	100 HZ	2-8-45+2-9-50+2-11-63	-	-	-	-
315	2.5	40	0	2-8-55 + 4-12-64	• 5 1000 315 300	-	• 5 1300 315 300	-
315	2.5	40	240 BW	2-8-55 + 4-12-64	• 5 1000 315 310	• 5 1040 315 310	• 5 1300 315 310	• 5 1340 315 310
315	2.5	40	220 BW	2-8-55 + 4-12-64	• 5 1000 315 320	• 5 1040 315 320	• 5 1300 315 320	• 5 1340 315 320
315	2.5	40	200 BW	2-8-55 + 4-12-64	• 5 1000 315 330	• 5 1040 315 330	• 5 1300 315 330	• 5 1340 315 330
315	2.5	40	180 BW	2-8-55 + 4-12-64	• 5 1000 315 340	• 5 1040 315 340	• 5 1300 315 340	• 5 1340 315 340
315	2.5	40	160 HZ	2-8-55 + 4-12-64	• 5 1000 315 350	-	• 5 1300 315 350	• 5 1340 315 350
315	2.5	40	120 HZ	2-8-55 + 4-12-64	• 5 1000 315 360	-	• 5 1300 315 360	-
315	2.5	40	100 HZ	2-8-55 + 4-12-64	-	-	-	-
315	2.5	50	0	4-15-80 + 4-14-85	-	-	-	-
315	2.5	50	240 BW	4-15-80 + 4-14-85	% 5 1000 315 390	-	-	-
315	2.5	50	160 HZ	4-15-80 + 4-14-85	-	-	-	-
315	2.5	50	120 HZ	4-15-80 + 4-14-85	-	-	-	-
315	3.0	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 315 420	-	• 5 1300 315 420	-
315	3.0	32	240 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 430	• 5 1040 315 430	% 5 1300 315 430	-
315	3.0	32	200 BW	2-8-45+2-9-50+2-11-63	• 5 1000 315 440	• 5 1040 315 440	• 5 1300 315 440	-
315	3.0	32	160 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 315 450	• 5 1040 315 450	• 5 1300 315 450	-
315	3.0	32	120 HZ	2-8-45+2-9-50+2-11-63	-	-	-	-
315	3.0	32	100 HZ	2-8-45+2-9-50+2-11-63	-	% 5 1040 315 457	% 5 1300 315 457	-
315	3.0	40	0	2-8-55 + 4-12-64	• 5 1000 315 460	-	• 5 1300 315 460	-
315	3.0	40	240 BW	2-8-55 + 4-12-64	• 5 1000 315 470	% 5 1040 315 470	% 5 1300 315 470	-
315	3.0	40	200 BW	2-8-55 + 4-12-64	• 5 1000 315 480	% 5 1040 315 480	• 5 1300 315 480	-
315	3.0	40	160 HZ	2-8-55 + 4-12-64	• 5 1000 315 490	• 5 1040 315 490	• 5 1300 315 490	-
315	3.0	40	120 HZ	2-8-55 + 4-12-64	-	-	% 5 1300 315 500	-
315	3.0	40	100 HZ	2-8-55 + 4-12-64	-	% 5 1040 315 510	-	-
315	3.0	50	0	4-15-80 + 4-14-85	% 5 1000 315 520	-	-	-
315	3.0	50	160 HZ	4-15-80 + 4-14-85	-	-	-	-
315	3.0	50	120 HZ	4-15-80 + 4-14-85	-	-	-	-
350	2.0	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 350 010	-	• 5 1300 350 010	-
350	2.0	32	350 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 020	• 5 1040 350 020	-	• 5 1340 350 020
350	2.0	32	280 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 030	• 5 1040 350 030	• 5 1300 350 030	• 5 1340 350 030
350	2.0	32	240 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 040	• 5 1040 350 040	% 5 1300 350 040	• 5 1340 350 040
350	2.0	32	220 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 050	• 5 1040 350 050	• 5 1300 350 050	• 5 1340 350 050
350	2.5	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 350 060	-	• 5 1300 350 060	-
350	2.5	32	350 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 070	• 5 1040 350 070	• 5 1300 350 070	• 5 1340 350 070
350	2.5	32	280 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 080	• 5 1040 350 080	• 5 1300 350 080	• 5 1340 350 080
350	2.5	32	240 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 090	• 5 1040 350 090	• 5 1300 350 090	• 5 1340 350 090
350	2.5	32	220 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 100	% 5 1040 350 100	• 5 1300 350 100	• 5 1340 350 100
350	2.5	32	180 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 350 110	• 5 1040 350 110	• 5 1300 350 110	• 5 1340 350 110
350	2.5	32	160 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 350 120	• 5 1040 350 120	• 5 1300 350 120	• 5 1340 350 120
350	2.5	32	140 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 350 130	-	-	-
350	2.5	32	120 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 350 140	-	-	-
350	2.5	40	0	2-8-55+4-12-64	• 5 1000 350 150	-	• 5 1300 350 150	-
350	2.5	40	350 BW	2-8-55+4-12-64	% 5 1000 350 160	% 5 1040 350 160	• 5 1300 350 160	• 5 1340 350 160

		H7	BW / HZ		5 1000 HSS-DMo5 Steam treated Art.	5 1040 HSS-DMo5 Kx-coated Art.	5 1300 HSS-Co5 Steam treated Art.	5 1340 HSS-Co5 Kx-coated Art.
350	2.5	40	280 BW	2-8-55+4-12-64	• 5 1000 350 170	% 5 1040 350 170	• 5 1300 350 170	• 5 1340 350 170
350	2.5	40	240 BW	2-8-55+4-12-64	• 5 1000 350 180	• 5 1040 350 180	• 5 1300 350 180	• 5 1340 350 180
350	2.5	40	220 BW	2-8-55+4-12-64	• 5 1000 350 190	• 5 1040 350 190	• 5 1300 350 190	• 5 1340 350 190
350	2.5	40	180 HZ	2-8-55+4-12-64	• 5 1000 350 200	• 5 1040 350 200	• 5 1300 350 200	-
350	2.5	40	160 HZ	2-8-55+4-12-64	• 5 1000 350 205	• 5 1040 350 205	• 5 1300 350 205	• 5 1340 350 205
350	2.5	40	120 HZ	2-8-55 + 4-12-64	-	-	-	-
350	2.5	50	0	4-15-80 + 4-14-85	% 5 1000 350 210	-	-	-
350	2.5	50	220 BW	4-15-80 + 4-14-85	% 5 1000 350 220	-	-	-
350	2.5	50	160 HZ	4-15-80 + 4-14-85	-	-	-	-
350	2.5	50	120 HZ	4-15-80 + 4-14-85	% 5 1000 350 240	-	-	-
350	2.5	50	100 HZ	4-15-80 + 4-14-85	% 5 1000 350 250	-	-	-
350	3.0	32	0	2-8-45+2-9-50+2-11-63	• 5 1000 350 260	-	• 5 1300 350 260	-
350	3.0	32	280 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 270	% 5 1040 350 270	• 5 1300 350 270	• 5 1340 350 270
350	3.0	32	240 BW	2-8-45+2-9-50+2-11-63	% 5 1000 350 280	% 5 1040 350 280	% 5 1300 350 280	% 5 1340 350 280
350	3.0	32	220 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 290	• 5 1040 350 290	• 5 1300 350 290	• 5 1340 350 290
350	3.0	32	200 BW	2-8-45+2-9-50+2-11-63	• 5 1000 350 300	% 5 1040 350 300	• 5 1300 350 300	% 5 1340 350 300
350	3.0	32	180 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 350 310	• 5 1040 350 310	• 5 1300 350 310	• 5 1340 350 310
350	3.0	32	160 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 350 320	% 5 1040 350 320	• 5 1300 350 320	% 5 1340 350 320
350	3.0	32	140 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 350 330	• 5 1040 350 330	% 5 1300 350 330	-
350	3.0	32	120 HZ	2-8-45+2-9-50+2-11-63	• 5 1000 350 340	% 5 1040 350 340	% 5 1300 350 340	-
350	3.0	40	0	2-8-55+4-12-64	• 5 1000 350 350	-	• 5 1300 350 350	-
350	3.0	40	280 BW	2-8-55+4-12-64	• 5 1000 350 360	• 5 1040 350 360	• 5 1300 350 360	• 5 1340 350 360
350	3.0	40	240 BW	2-8-55+4-12-64	% 5 1000 350 370	% 5 1040 350 370	% 5 1300 350 370	• 5 1340 350 370
350	3.0	40	220 BW	2-8-55+4-12-64	• 5 1000 350 380	% 5 1040 350 380	• 5 1300 350 380	• 5 1340 350 380
350	3.0	40	200 BW	2-8-55+4-12-64	• 5 1000 350 390	% 5 1040 350 390	• 5 1300 350 390	• 5 1340 350 390
350	3.0	40	180 HZ	2-8-55+4-12-64	• 5 1000 350 400	• 5 1040 350 400	• 5 1300 350 400	• 5 1340 350 400
350	3.0	40	160 HZ	2-8-55+4-12-64	• 5 1000 350 410	% 5 1040 350 410	• 5 1300 350 410	• 5 1340 350 410
350	3.0	40	140 HZ	2-8-55+4-12-64	• 5 1000 350 420	• 5 1040 350 420	• 5 1300 350 420	• 5 1340 350 420
350	3.0	40	120 HZ	2-8-55+4-12-64	• 5 1000 350 430	-	• 5 1300 350 430	-
350	3.0	40	110 HZ	2-8-55+4-12-64	• 5 1000 350 440	• 5 1040 350 440	-	-
350	3.0	40	90 HZ	2-8-55+4-12-64	• 5 1000 350 450	• 5 1040 350 450	• 5 1300 350 450	-
350	3.0	50	0	4-15-80 + 4-14-85	• 5 1000 350 460	-	• 5 1300 350 460	-
350	3.0	50	220 BW	4-15-80 + 4-14-85	• 5 1000 350 470	-	• 5 1300 350 470	-
350	3.0	50	180 HZ	4-15-80 + 4-14-85	% 5 1000 350 480	-	% 5 1300 350 480	-
350	3.0	50	160 HZ	4-15-80 + 4-14-85	• 5 1000 350 490	% 5 1040 350 490	• 5 1300 350 490	-
350	3.0	50	140 HZ	4-15-80 + 4-14-85	• 5 1000 350 500	-	% 5 1300 350 500	-
350	3.0	50	120 HZ	4-15-80 + 4-14-85	• 5 1000 350 510	% 5 1040 350 510	• 5 1300 350 510	-
350	3.0	50	100 HZ	4-15-80 + 4-14-85	% 5 1000 350 520	% 5 1040 350 520	-	-

SERIES MG305 אופטויזור + תאורה וסט מגדלות להחלפה





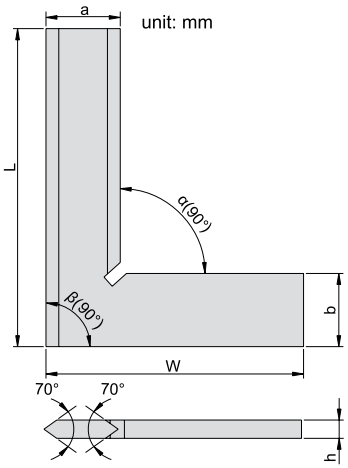
הגדלה	1X, 1.5X, 2X, 2.5X, 3.5X
מספר זכוכיות מגדלת	5 pcs


ACCUD
כלי מדידה
mm/inch
ON
OFF
ACCUD
10mm
LEVELED
0.01mm

SERIES 832 זויתן שערה

- Two beveled measuring faces
- Made of hardened stainless steel





Grade 00

מק"ט	מידה (LxW)	Squareness(α)	Squareness(β)	Chrome plating	a	b	h
832-002-00	50x40mm	2.4µm	2.5µm	With	13	13	4
832-003-00	75x50mm	2.6µm	2.8µm	With	15	15	4
832-004-00	100x70mm	2.8µm	3.0µm	With	20	20	5
832-006-00	150x100mm	3.2µm	3.5µm	With	30	30	6
832-008-00	200x130mm	3.7µm	4.0µm	With	34	34	7
832-010-00	250x165mm	4.2µm	4.5µm	Without	35	35	7
832-012-00	300x200mm	4.6µm	5.0µm	Without	40	40	8

Grade 0

מק"ט	מידה (LxW)	Squareness(α)	Squareness(β)	Chrome plating	a	b	h
832-002-10	50x40mm	6µm	6µm	With	13	13	4
832-003-10	75x50mm	6µm	7µm	With	15	15	4
832-004-10	100x70mm	7µm	7µm	With	20	20	5
832-006-10	150x100mm	7µm	8µm	With	30	30	6
832-008-10	200x130mm	8µm	9µm	With	34	34	7
832-010-10	250x165mm	9µm	10µm	Without	35	35	7
832-012-10	300x200mm	10µm	11µm	Without	40	40	8

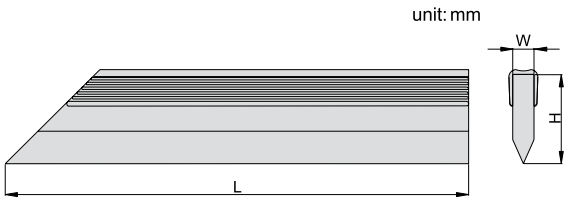
SERIES 994 סרגל שערה

- Beveled edge to check the flatness
- DIN874
- Made of stainless steel
- Stain chrome plating



994-004-01

מק"ט	מידה (L)	Straightness	W	H
994-002-01	50mm	2.2µm	5	20
994-003-01	75mm	2.3µm	5	25
994-004-01	100mm	2.4µm	5	25
994-005-01	125mm	2.5µm	5	25
994-006-01	150mm	2.6µm	6	30
994-008-01	200mm	2.8µm	6	30
994-010-01	250mm	3.0µm	8	40
994-012-01	300mm	3.2µm	8	40
994-016-01	400mm	3.6µm	10	50
994-020-01	500mm	4.0µm	10	50



SERIES 713 פלס מכונה

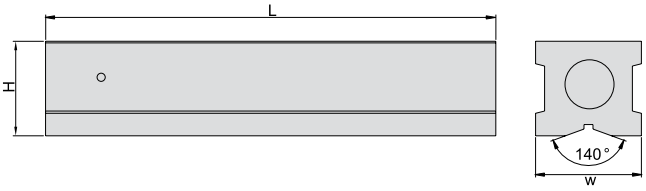
- For use in setting machined surfaces precisely horizontal
- Sensibility: 0.02mm/m per division
- Vee angle : 140°



713-006-02

unit: mm

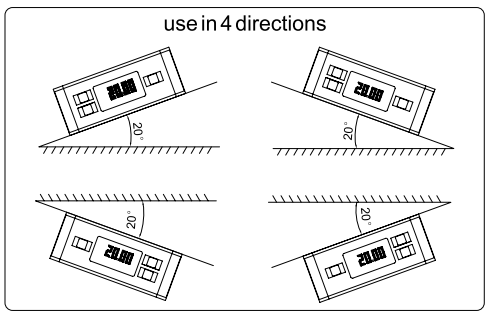
מק"ט	מידה (L)	H	W
713-006-02	150mm	40	45
713-008-02	200mm	42	47
713-012-02	300mm	45	50



SERIES 722 פלס מד מעלות דיגיטלי

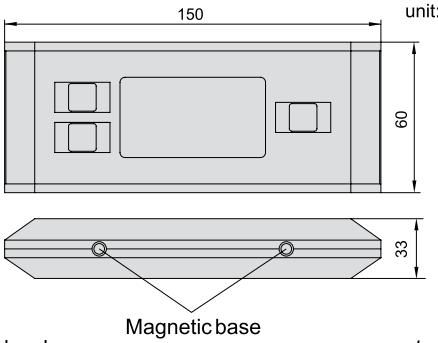
- Use as level or protractor
- Resolution: 0.05°
- Accuracy : ±0.1°(vertical and horizontal), ±0.2°(other direction)
- Magnetic base, with groove
- Aluminum frame provides with high rigidity and low weight
- Absolute horizontion reference can save in memory for ever



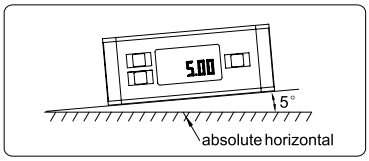


מק"ט	טווח	מידה (LxWx H)
722-360-01	0 - 360° (90°x4)	150x60x33mm

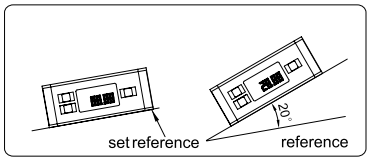
unit: mm



use as level



use as protractor



SERIES 111 קליבר דיגיטלי



מק"ט	טווח	דיוק
111-006-12	0-150mm/0-6"	±0.03mm
111-008-12	0-200mm/0-8"	±0.03mm
111-012-12	0-300mm/0-12"	±0.03mm

SERIES 111 קליבר דיגיטלי מוט עגול



מק"ט	טווח	דיוק
111-006-12R	0-150mm/0-6"	±0.03mm

SERIES 112 קליבר דיגיטלי IP67



מק"ט	טווח	דיוק
112-006-12	0-150mm/0-6"	±0.03mm
112-008-12	0-200mm/0-8"	±0.03mm
112-012-12	0-300mm/0-12"	±0.03mm

SERIES 112 קליבר דיגיטלי IP67



מק"ט	טווח	דיוק
112-006-11H	0-150mm/0-6"	±0.02mm
112-008-11H	0-200mm/0-8"	±0.02mm
112-012-11H	0-300mm/0-12"	±0.02mm

SERIES 115 קליבר דיגיטלי שפתיים קרמיות



מק"ט	טווח	דיוק
115-006-12	0-150mm/0-6"	±0.03mm
115-008-12	0-200mm/0-8"	±0.03mm
115-012-12	0-300mm/0-12"	±0.03mm

SERIES 114 קליבר דיגיטלי מיני



מק"ט	טווח	דיוק
114-004-11	0-100mm/0-4"	±0.02mm

SERIES 101 קליבר שעון



קריאה כל 0.01 מ״מ

מק״ט	טווח	דיוק
101-006-11	0-150mm	±0.03mm
101-008-11	0-200mm	±0.03mm
101-012-11	0-300mm	±0.03mm

קריאה כל 0.02 מ״מ

מק״ט	טווח	דיוק
101-006-21	0-150mm	±0.03mm
101-008-21	0-200mm	±0.03mm
101-012-21	0-300mm	±0.03mm

SERIES 101 קליבר שעון אינצ׳



מק״ט	טווח	קריאה	דיוק
101-006-21I	0-6"	0.001in	±0.0015in
101-008-21I	0-8"	0.001in	±0.0020in
101-012-21I	0-12"	0.001in	±0.0020in

SERIES 103 קליבר שעון



קריאה כל 0.01 מ״מ

מק״ט	טווח	דיוק
103-006-11	0-150mm	±0.03mm
103-008-11	0-200mm	±0.03mm
103-012-11	0-300mm	±0.03mm

קריאה כל 0.02 מ״מ

מק״ט	טווח	דיוק
103-006-21	0-150mm	±0.03mm
103-008-21	0-200mm	±0.03mm
103-012-21	0-300mm	±0.03mm

SERIES 116 קליבר דיגיטלי שפתיים מוידיה



מק״ט	טווח	דיוק
116-006-11	0-150mm/0-6"	±0.03mm
116-008-11	0-200mm/0-8"	±0.03mm
116-012-11	0-300mm/0-12"	±0.03mm

SERIES 155 קליבר סימון דיגיטלי



מק״ט	טווח	דיוק
155-006-11	0-150mm/0-6"	±0.03mm
155-008-11	0-200mm/0-8"	±0.03mm
155-012-11	0-300mm/0-12"	±0.03mm

SERIES 900 קליבר סימון מכני



מק״ט	טווח	דיוק
900-008-11	0-200mm/0-8"	±0.1mm

SERIES 117 קליבר דיגיטלי מפלסטיק



מק״ט	טווח	דיוק
117-006-11	0-150mm/0-6"	±0.1mm

SERIES 120 קליבר מכני



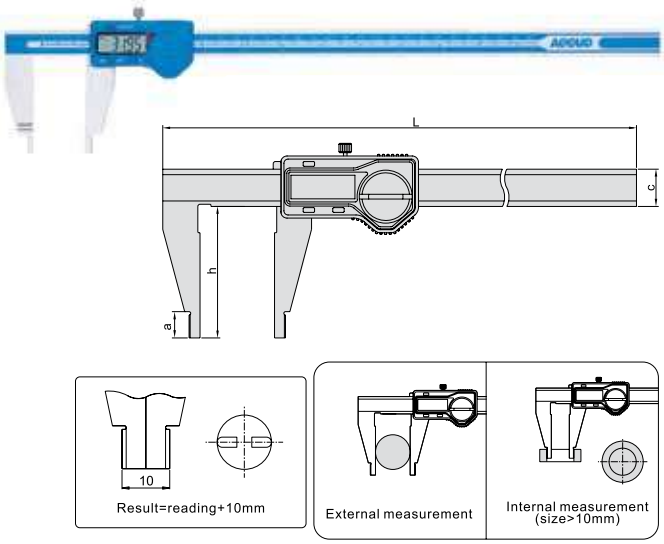
קריאה כל 0.02mm/0.001"

מק"ט	טווח	דיוק
120-006-12	0-150mm/0-6"	±0.03mm
120-008-12	0-200mm/0-8"	±0.03mm
120-012-12	0-300mm/0-12"	±0.03mm

קריאה כל 0.05mm/1/128"

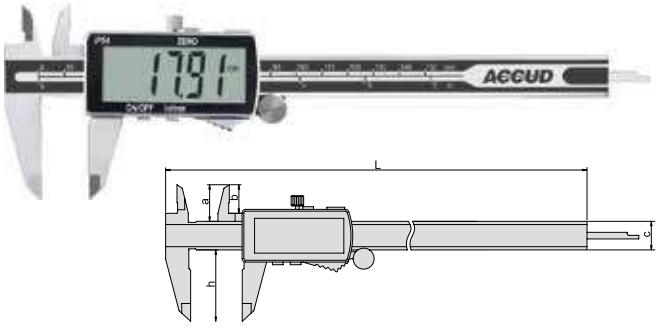
מק"ט	טווח	דיוק
120-006-14	0-150mm/0-6"	±0.05mm
120-008-14	0-200mm/0-8"	±0.05mm
120-012-14	0-300mm/0-12"	±0.05mm

SERIES 118 קליבר דיגיטלי ללא עוקצים חיצוניים



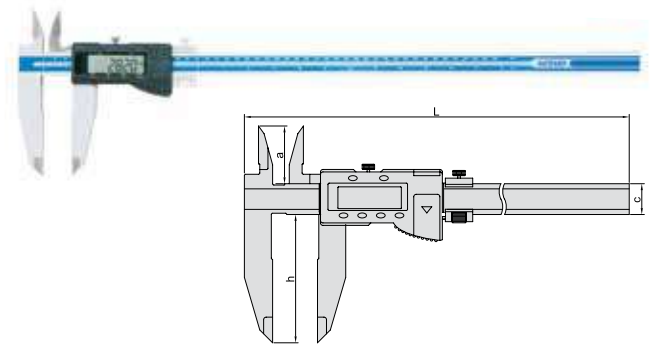
מק"ט	טווח	דיוק	a	c	h	L
118-008-11	0-200mm/0-8"	±0.03mm	12	17	60	320
118-012-14	0-300mm/0-12"	±0.04mm	12	17	60	420
118-012-15	0-300mm/0-12"	±0.06mm	12	17	90	420

SERIES 106 קליבר דיגיטלי צג גדול



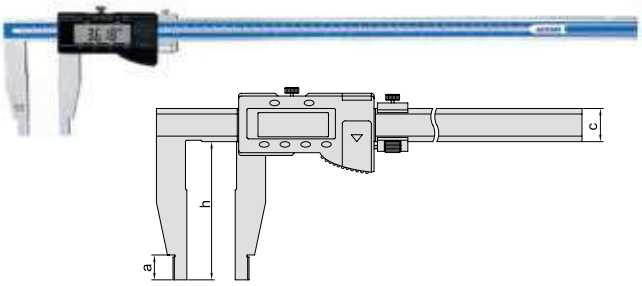
מק"ט	טווח	דיוק	a	b	c	h	L
106-006-11	0-150mm/0-6"	±0.03mm	24	16	16	40	236
106-008-11	0-200mm/0-8"	±0.03mm	25	19	16	50	286
106-012-11	0-300mm/0-12"	±0.03mm	21	20.5	16	60	400

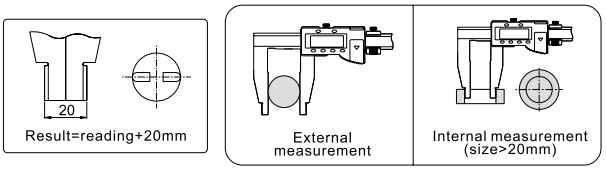
SERIES 150 קליבר דיגיטלי ארוך



מק"ט	טווח	דיוק	a	c	h	L
150-018-11	0-450mm/0-18"	±0.05mm	45	24	100	610
150-024-11	0-600mm/0-24"	±0.05mm	45	24	100	770
150-040-11	0-1000mm/0-40"	±0.08mm	60	31	150	1220

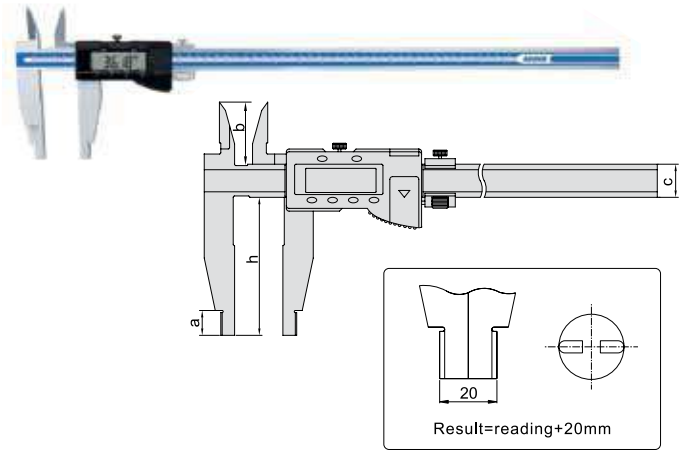
SERIES 118 קליבר דיגיטלי ארוך ללא עוקצים חיצוניים





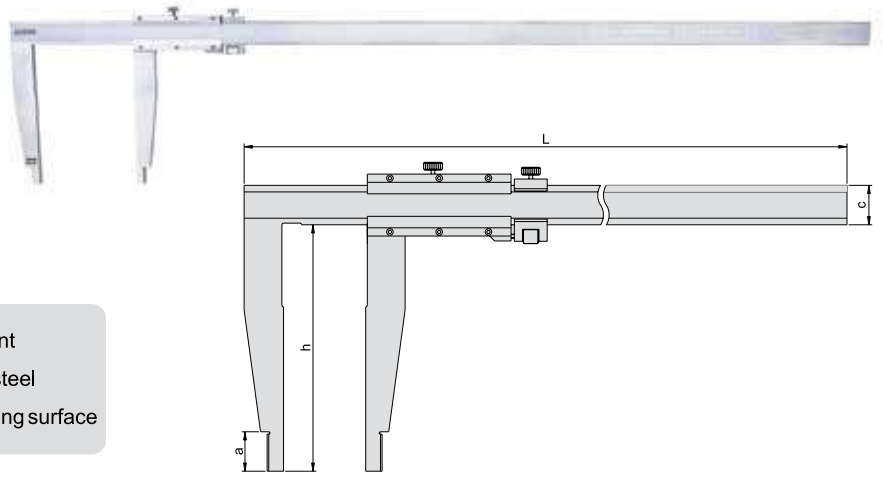
מק"ט	טווח	דיוק	a	c	L
118-012-11	0-300mm/0-12"	±0.04mm	18	24	100
118-012-12	0-300mm/0-12"	±0.05mm	18	24	150
118-012-13	0-300mm/0-12"	±0.05mm	18	24	200
118-020-11	0-500mm/0-20"	±0.05mm	18	24	100
118-020-12	0-500mm/0-20"	±0.06mm	18	24	150
118-020-13	0-500mm/0-20"	±0.06mm	24	32	200
118-020-14	0-500mm/0-20"	±0.08mm	24	42	300
118-024-11	0-600mm/0-24"	±0.05mm	18	24	100
118-024-12	0-600mm/0-24"	±0.06mm	18	24	150
118-024-13	0-600mm/0-24"	±0.06mm	24	32	200
118-024-15	0-600mm/0-24"	±0.08mm	24	42	300
118-040-11	0-1000mm/0-40"	±0.08mm	24	32	150
118-040-12	0-1000mm/0-40"	±0.08mm	24	32	200
118-040-13	0-1000mm/0-40"	±0.10mm	24	42	300
118-060-11	0-1500mm/0-60"	±0.11mm	24	42	150
118-080-11	0-2000mm/0-80"	±0.14mm	24	42	150

SERIES 119 קליבר דיגיטלי ארוך

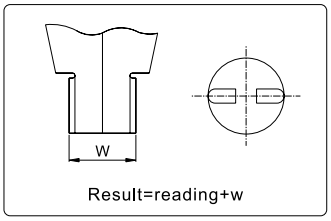


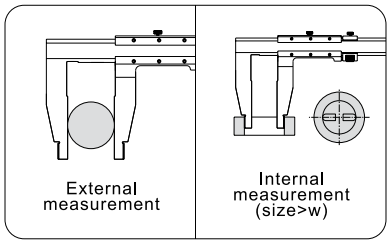
מק"ט	טווח	דיוק	a	b	c	h
119-012-12	0-300mm/0-12"	±0.05mm	45	45	24	100
119-020-11	0-500mm/0-20"	±0.05mm	45	45	24	100
119-020-12	0-500mm/0-20"	±0.06mm	45	45	24	150
119-020-13	0-500mm/0-20"	±0.06mm	45	45	32	200
119-024-11	0-600mm/0-24"	±0.05mm	45	45	24	100
119-024-12	0-600mm/0-24"	±0.06mm	45	45	24	150
119-024-14	0-600mm/0-24"	±0.06mm	45	45	32	200
119-040-11	0-1000mm/0-40"	±0.08mm	60	60	32	150
119-040-12	0-1000mm/0-40"	±0.08mm	60	60	32	200
119-060-11	0-1500mm/0-60"	±0.11mm	60	60	42	150
119-060-12	0-1500mm/0-60"	±0.12mm	60	60	42	200

SERIES 126 קליבר מכני ארוך ללא עוקצים חיצוניים



- With fine adjustment
- Made of stainless steel
- Satin chrome reading surface





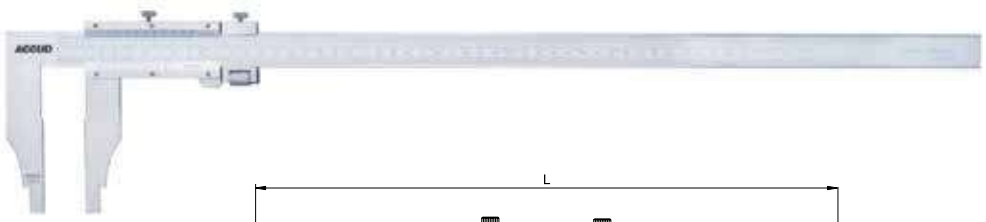
קריאה כל 0.02mm/0.001"

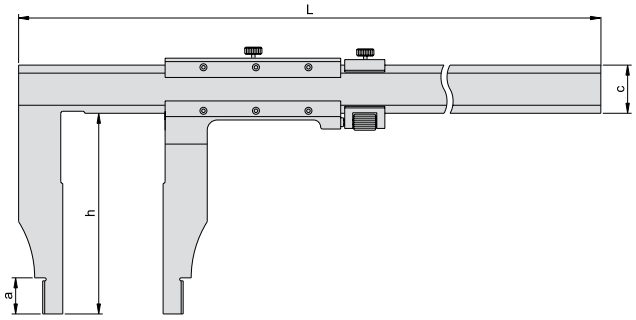
מק"ט	טווח	דיוק	a	c	h	w	L
126-012-11	0-300mm/0-12"	±0.05mm	12	17	90	10	410
126-012-12	0-300mm/0-12"	±0.05mm	18	24	150	20	470
126-020-11	0-500mm/0-20"	±0.06mm	18	24	150	20	670
126-020-12	0-500mm/0-20"	±0.06mm	18	24	200	20	670
126-024-11	0-600mm/0-24"	±0.06mm	18	24	150	20	770
126-024-12	0-600mm/0-24"	±0.08mm	24	32	250	20	770
126-040-11	0-1000mm/0-40"	±0.08mm	24	32	200	20	1220
126-040-12	0-1000mm/0-40"	±0.11mm	24	32	300	20	1330
126-120-12	0-3000mm/0-120"	±0.26mm	24	50	300	20	3360

קריאה כל 0.05mm/1/128"

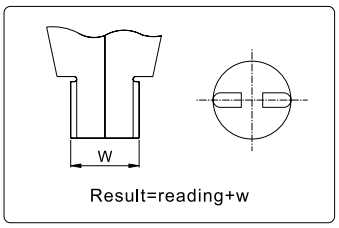
מק"ט	טווח	דיוק	a	c	h	w	L
126-012-51	0-300mm/0-12"	±0.07mm	12	17	90	10	410
126-012-52	0-300mm/0-12"	±0.07mm	18	24	150	20	470
126-020-51	0-500mm/0-20"	±0.08mm	18	24	150	20	670
126-020-52	0-500mm/0-20"	±0.08mm	18	24	200	20	670
126-024-51	0-600mm/0-24"	±0.08mm	18	24	150	20	770
126-024-52	0-600mm/0-24"	±0.08mm	24	32	250	20	770
126-040-51	0-1000mm/0-40"	±0.12mm	24	32	200	20	1220
126-040-52	0-1000mm/0-40"	±0.12mm	24	32	300	20	1330
126-120-52	0-3000mm/0-120"	±0.31mm	24	50	300	20	3360

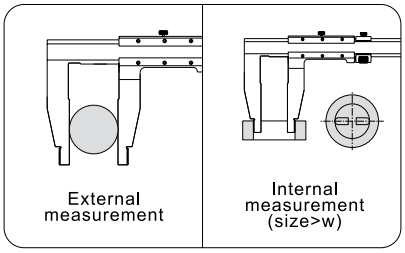
SERIES 127 קליבר מכני ארוך ללא עוקצים חיצוניים





- With fine adjustment
- Made of stainless steel
- Satin chrome reading surface





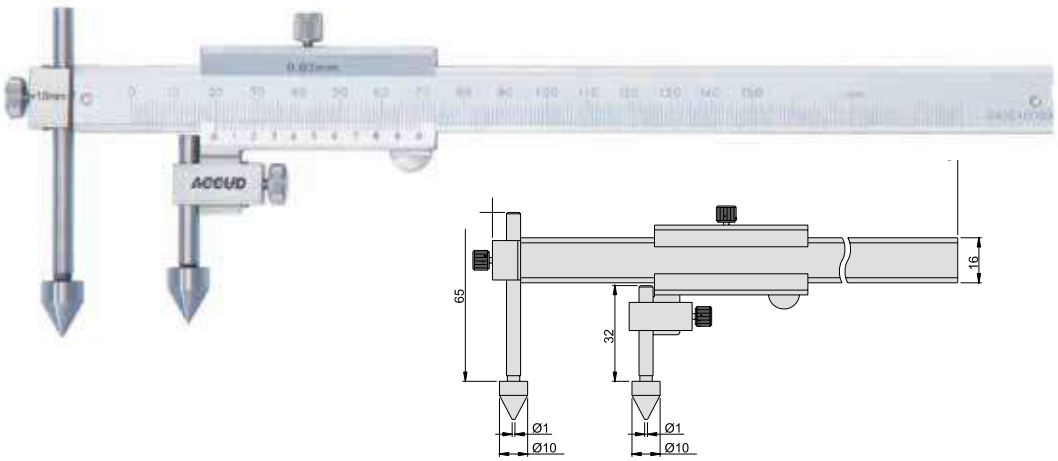
קריאה כל 0.02mm/0.001"

מק"ט	טווח	דיוק	a	c	h	w	L
127-012-11	0-300mm/0-12"	±0.05mm	10	20	75	10	410
127-020-11	0-500mm/0-20"	±0.05mm	18	24	100	20	670
127-024-11	0-600mm/0-24"	±0.05mm	18	24	100	20	770
127-032-11	0-800mm/0-32"	±0.08mm	24	32	150	20	1020
127-040-11	0-1000mm/0-40"	±0.08mm	24	32	140	20	1216
127-060-11	0-1500mm/0-60"	±0.11mm	24	42	180	20	1830
127-080-11	0-2000mm/0-80"	±0.14mm	24	42	200	20	2320

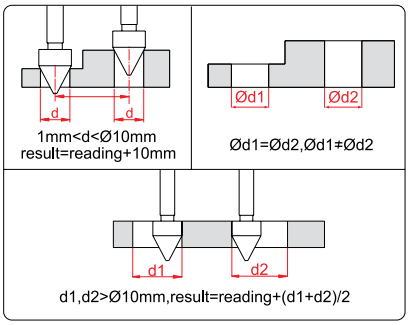
קריאה כל 0.05mm/1/128"

מק"ט	טווח	דיוק	a	c	h	w	L
127-012-51	0-300mm/0-12"	±0.05mm	10	20	75	10	410
127-020-51	0-500mm/0-20"	±0.08mm	18	24	100	20	670
127-024-51	0-600mm/0-24"	±0.08mm	18	24	100	20	770
127-040-51	0-1000mm/0-40"	±0.10mm	24	32	150	20	1216
127-060-51	0-1500mm/0-60"	±0.15mm	24	32	140	20	1830
127-080-51	0-2000mm/0-80"	±0.20mm	24	42	180	20	2320
127-080-11	0-2000mm/0-80"	±0.14mm	24	42	200	20	2320

SERIES 161 קליבר מרכוז מכני



- Measure the hole center-to-center distance in same plane, or between offset planes
- Made of stainless steel
- Satin chrome plated reading surface



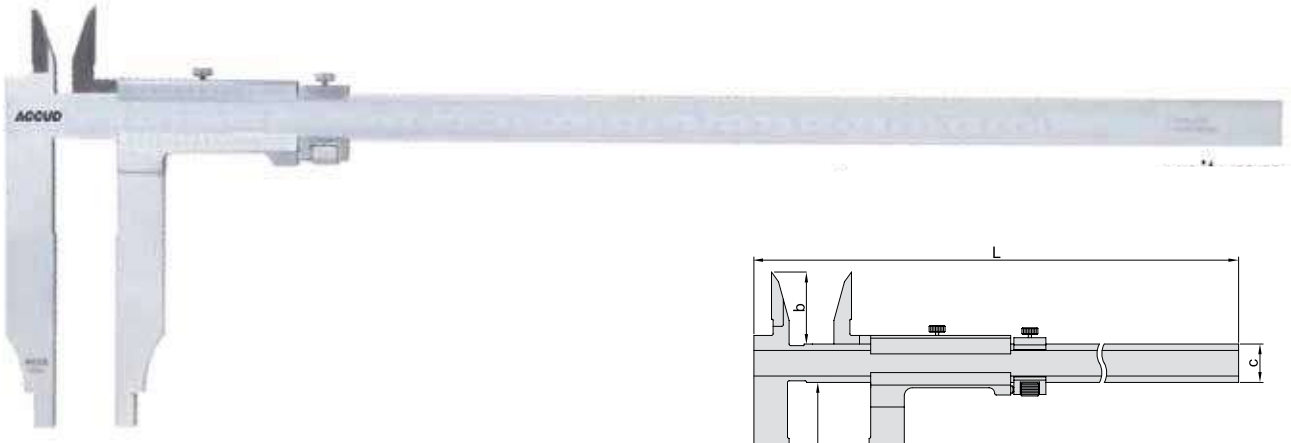
קריאה כל 0.02 מ״מ

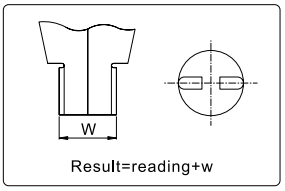
מק״ט	טווח	דיוק	L
161-006-11	10-150mm	±0.05mm	236
161-008-11	10-200mm	±0.07mm	306
161-012-11	10-300mm	±0.09mm	396

קריאה כל 0.05 מ״מ

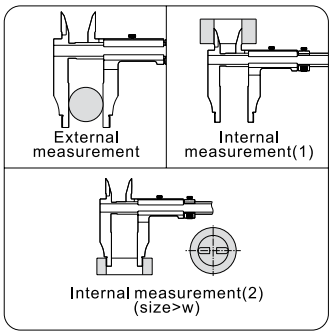
מק״ט	טווח	דיוק	L
161-006-13	10-150mm	±0.05mm	236
161-008-13	10-200mm	±0.07mm	306
161-012-13	10-300mm	±0.09mm	396

SERIES 129 קליבר מכני ארוך עם עוקצים





- Made of stainless steel
- With fine adjustment
- Satin chrome plated reading surface



קריאה כל 0.02mm/0.001"

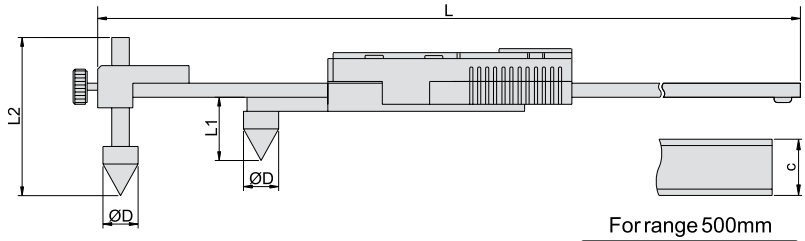
מק"ט	טווח	דיוק	a	b	c	h	w	L
129-020-11	0-300mm/0-12"	±0.05mm	18	45	24	100	20	670
129-020-12	0-300mm/0-12"	±0.06mm	18	45	24	150	20	670
129-024-11	0-500mm/0-20"	±0.06mm	18	45	24	100	20	770
129-040-11	0-500mm/0-20"	±0.08mm	24	60	31	150	20	1230

קריאה כל 0.05mm/1/128"

מק"ט	טווח	דיוק	a	b	c	h	w	L
129-020-51	0-500mm/0-20"	±0.07mm	18	45	24	100	20	670
129-020-52	0-500mm/0-20"	±0.08mm	18	45	24	150	20	670
129-024-51	0-600mm/0-24"	±0.08mm	18	45	24	100	20	770
129-040-51	0-1000mm/0-40"	±0.12mm	24	60	31	150	20	1230

SERIES 141 קליבר מרכוז דיגיטלי



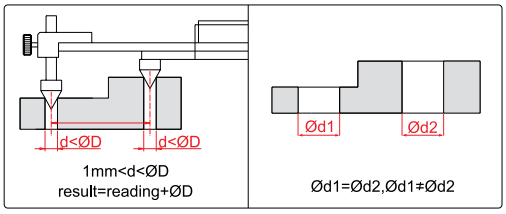


- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Data output
- Automatic power on/off
- Made of stainless steel

For range 500mm

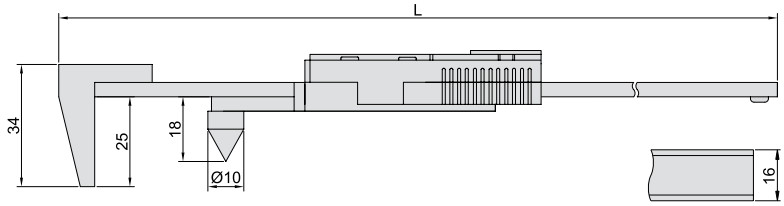


מק"ט	טווח	דיוק	ØD	c	L1	L2	L
141-008-11	10-200mm/0.4-8"	±0.01mm	10	16	18	45	310
141-012-11	10-300mm/0.4-12"	±0.01mm	10	16	18	45	410
141-020-11	20-500mm/0.8-20"	±0.01mm	20	24	26	70	692
141-040-11	30-1000mm/1.2-40"	±0.12mm	30	31	39	70	1242
141-060-11	30-1500mm/1.2-60"	±0.15mm	30	31	39	70	1745



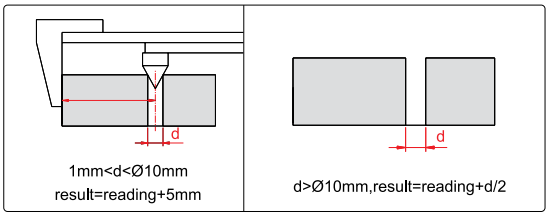
SERIES 147 קליבר דיגיטלי למדידת מרחק ממרכז חור לקצה חלק





- Measure edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Data output(cable code: 100-11 or 100-12)
- Automatic power on/off
- Made of stainless steel

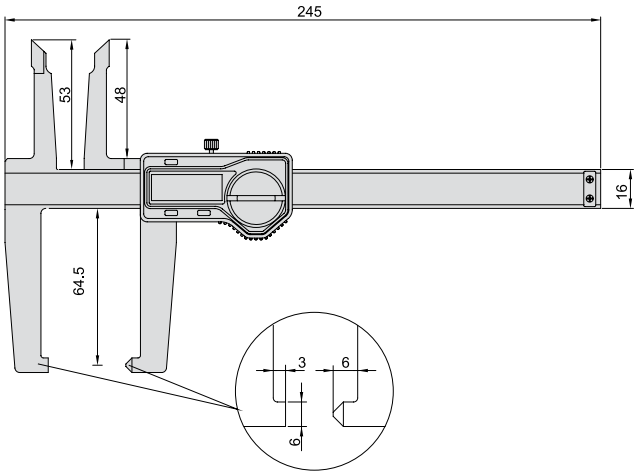
Measure edge to hole center distance



מק"ט	טווח	דיוק	L
147-008-11	5-200mm/0.2-8"	±0.01mm	310mm
147-012-11	5-300mm/0.2-12"	±0.01mm	410mm

SERIES 165 קליבר דיגיטלי למדידת בלמים

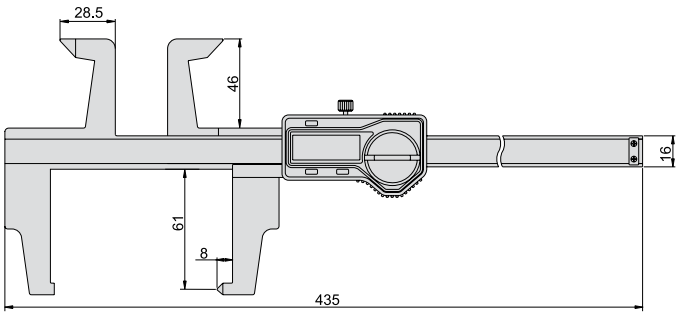




מק"ט	טווח	דיוק
165-006-11	0-150mm/0-6"	±0.07mm

SERIES 158 קליבר דיגיטלי למדידת בלמים





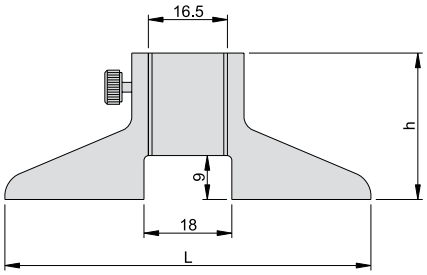
מק"ט	טווח	דיוק
158-012-11	0-300mm/0-12"	±0.07mm

SERIES 179 בסיס לקליבר



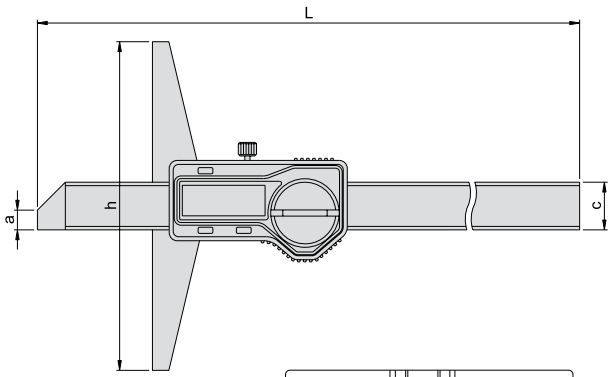


מק"ט	h	L
179-000-00	30mm	75mm
179-000-01	32mm	100mm



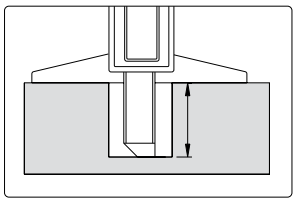
SERIES 171 מד עומק דיגיטלי





- Resolution: 0.01mm/0.0005"
- Automatic power on/off
- Buttons: on/off, zero, mm/inch
- Data output(cable code:100-11 or 100-12)
- Made of stainless steel

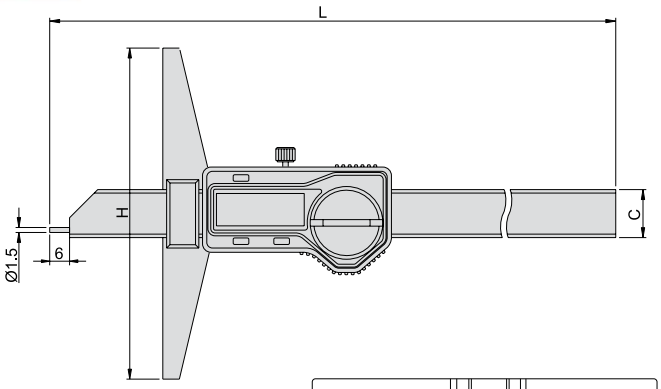
מק"ט	טווח	דיוק	a	c	h	L
171-006-11	0-150mm/0-6"	±0.03mm	6	14.5	100	230
171-008-11	0-200mm/0-8"	±0.03mm	6	14.5	100	280
171-012-11	0-300mm/0-12"	±0.04mm	6	14.5	150	380
171-020-11	0-500mm/0-20"	±0.05mm	7	15	150	585

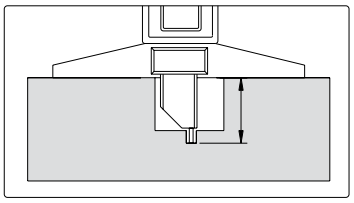


SERIES 172 מד עומק דיגיטלי עם פין



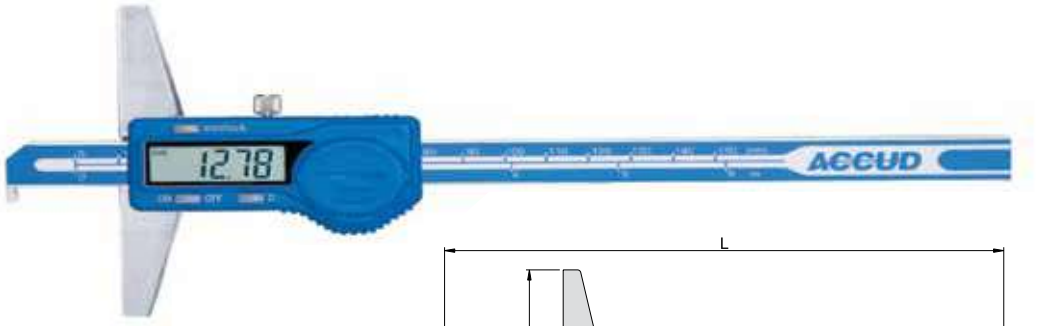
- Measure the depth of small holes or grooves
- Resolution: 0.01mm/0.0005"
- Automatic power on/off
- Buttons: on/off, zero, mm/inch
- Data output(cable code:100-11 or 100-12)
- Made of stainless steel

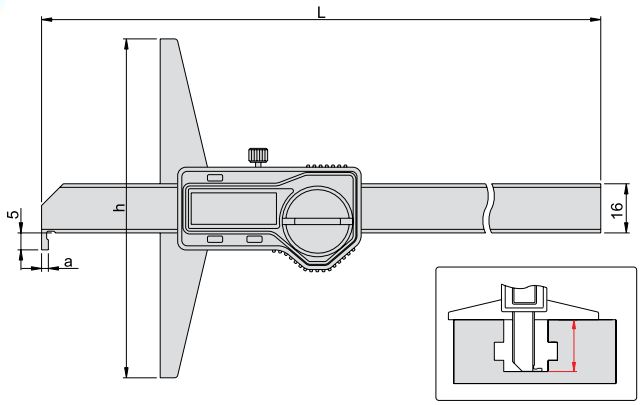


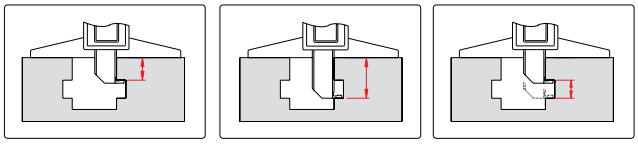


מק"ט	טווח	דיוק	H	L	c
172-008-11	0-200mm/0-8"	±0.03mm	100	291	14.5
172-012-11	0-300mm/0-12"	±0.04mm	150	395	15

SERIES 173 מד עומק דיגיטלי עם כתף

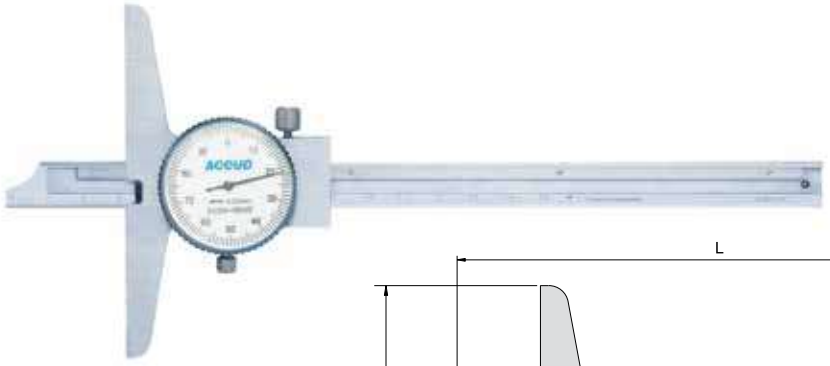


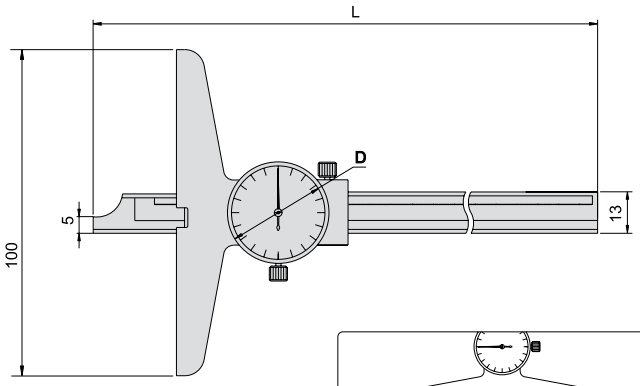




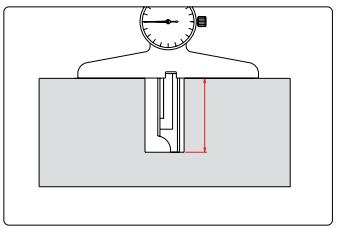
מק"ט	טווח	דיוק	a	h	L
173-006-11	0-150mm/0-6"	±0.04mm	2	100	230
173-008-11	0-200mm/0-8"	±0.04mm	2	100	280
173-012-11	0-300mm/0-12"	±0.05mm	2	150	380
173-020-11	0-500mm/0-20"	±0.05mm	3	150	585
173-006-21	0-150mm/0-6"	±0.04mm	1	100	230
173-008-21	0-200mm/0-8"	±0.04mm	1	100	280
173-012-21	0-300mm/0-12"	±0.05mm	1	150	380
173-020-21	0-500mm/0-20"	±0.05mm	3	200	585

SERIES 179 מד עומק שעון



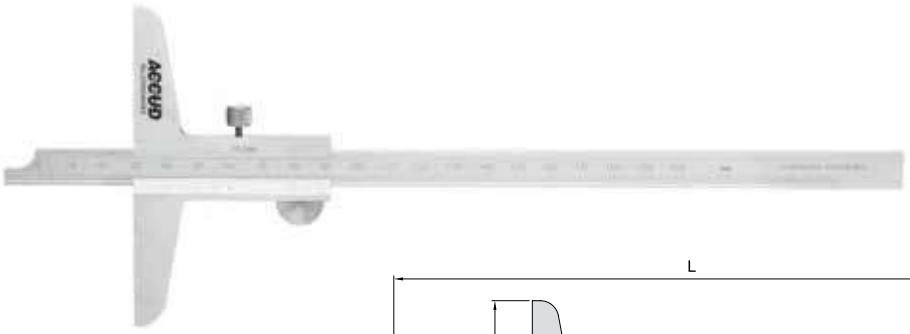


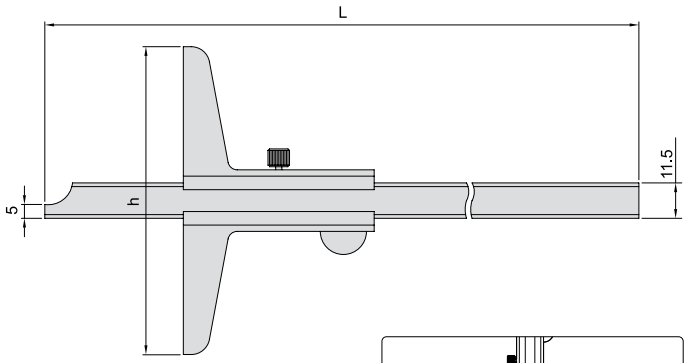
- Shockproof dial indicator
- Graduation: 0.02mm
- Made of stainless steel



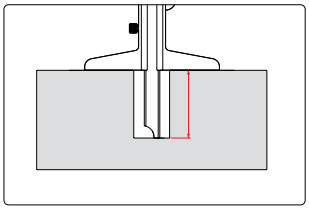
מק"ט	טווח	דיוק	D	L
179-006-21	0-150mm	±0.03mm	Ø39	235
179-008-21	0-300mm	±0.03mm	Ø39	285
179-012-21	0-200mm	±0.04mm	Ø39	308

SERIES 177 מד עומק מכני





- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface



מק"ט	טווח	דיוק	h	L
177-006-11	0-150mm	±0.03mm	100	245
177-008-11	0-200mm	±0.03mm	100	282
177-012-11	0-300mm	±0.04mm	100	382
177-020-11	0-500mm	±0.05mm	150	585

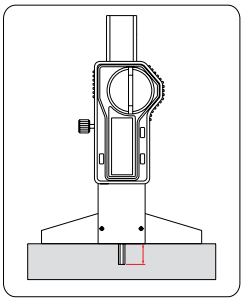
SERIES 176 מד עומק דיגיטלי

- Measure depth of small groove and hole
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch
- Automatic power off
- Data output (cable code: 100-11 or 100-12)
- Made of stainless steel

מק"ט	טווח	דיוק
176-001-21	0-25mm/0-1.2"	±0.03mm

Set zero







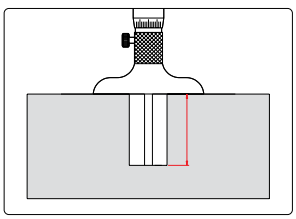
SERIES 395 מיקרומטר עומק דיגיטלי

- Resolution: 0.001mm/0.00005"
- Micrometer head accuracy: +/-3μm
  Rod accuracy: +/-(2+L/75)μm, L is the measuring range in mm
- Button: on/off, set, mm/inch, ABS/INC, data output
- IP65 protection leve
- Data output
- Automatic power off
- Rods with flat end
- Ratchet stop

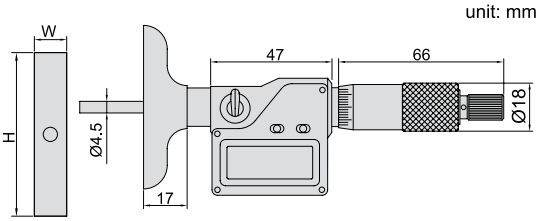


395-002-01

מק"ט	טווח	Base(HxW)	Rod
395-001-01	0-25mm/0-1"	101x17mm	1pc
395-002-01	0-50mm/0-2"	101x17mm	2pcs
395-004-01	0-100mm/0-4"	101x17mm	4pcs
395-006-01	0-150mm/0-6"	101x17mm	6pcs
395-008-01	0-200mm/0-8"	101x17mm	8pcs
395-012-01	0-300mm/0-12"	101x17mm	12pcs
395-001-02	0-25mm/0-1"	63x17mm	1pc
395-002-02	0-50mm/0-2"	63x17mm	2pcs
395-004-02	0-100mm/0-4"	63x17mm	4pcs
395-006-02	0-150mm/0-6"	63x17mm	6pcs
395-008-02	0-200mm/0-8"	63x17mm	8pcs
395-012-02	0-300mm/0-12"	63x17mm	12pcs



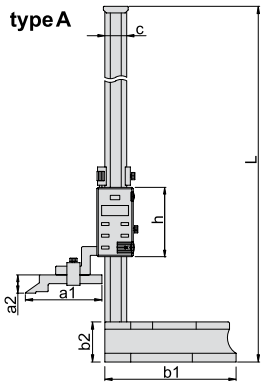
unit: mm

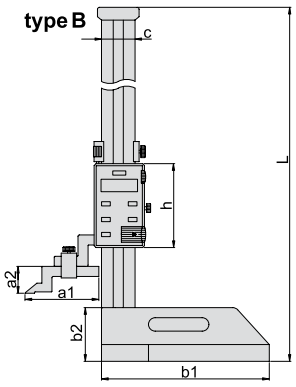


SERIES 181 מד גובה דיגיטלי

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, inch/mm,ABS/INC ,data hold, tolerance measurement, data preset, set data
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Data output(cable code:500-01)
- With clamps (Ø8mm holder)







Clamp **(included)**



Carbide tipped jaws



Application with clamps(optional)



מק"ט	טווח	Type	דיוק	a1	a2	b1	b2	c	h	L
181-012-11	0-300mm/0-12"	A	±0.04mm	76	25	135	45	23	80	470
181-024-11	0-600mm/0-24"	A	±0.05mm	103	25	180	55	30	95	820
181-060-11	0-1500mm/0-60"	B	±0.07mm	110	39	250	80	50	125	1275
181-040-11	0-1000mm/0-40"	B	±0.11mm	110	39	280	80	50	125	1790
181-080-11	0-2000mm/0-80"	B	±0.15mm	110	39	280	80	50	125	2290

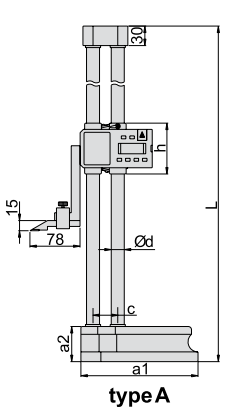
SERIES 182 מד גובה דיגיטלי

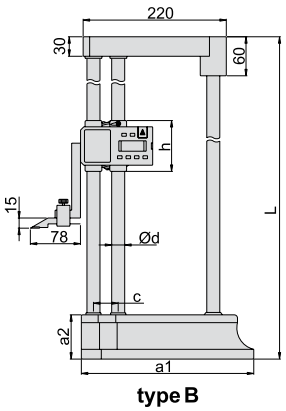
- Resolution: 0.01mm/0.001"
- Buttons: on/off, inch/mm, ABS/INC , data preset, set data
- Carbide tipped scriber
- Made of stainless steel beam
- With driving wheel
- Optional accessory: 267 series clamps

Application with clamps(optional)





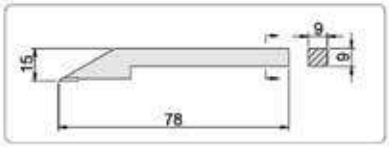




Carbide tipped jaws



Scriber **(included)**



driving wheel



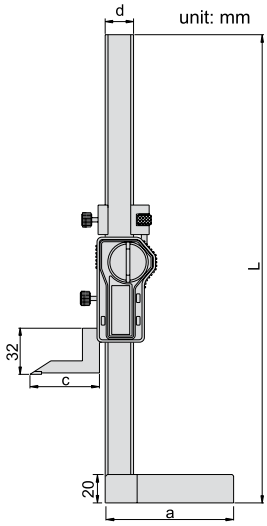
מק"ט	טווח	Type	דיוק	a1	a2	c	Ød	h	L
182-012-11	0-300mm/0-12"	A	±0.04mm	135	43	33	15	84	475
182-024-11	0-600mm/0-24"	A	±0.05mm	180	54	38	20	88	810
182-040-11	0-1000mm/0-40"	B	±0.05mm	265	68	38	20	88	1230

SERIES 183 מד גובה דיגיטלי מיני

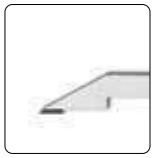
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, inch/mm, zero
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Data output(cable code:100-11 or 100-12)
- Automatic power off



183-006-11



Carbide tipped jaws



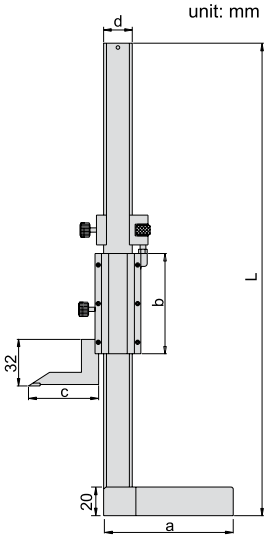
מק"ט	טווח	דיוק	a	c	d	L
183-006-11	0-150mm/0-6"	±0.03mm	75	43	16	475
183-008-11	0-200mm/0-8"	±0.03mm	90	49	16	660
183-010-11	0-250mm/0-10"	±0.03mm	90	49	16	710

SERIES 187 מד גובה מכני מיני

- Graduation 0.02mm/0.001"
- Carbide tipped scriber
- Made of stainless steel (except the base)
- Satin chrome plated scale



187-008-11



Carbide tipped jaws



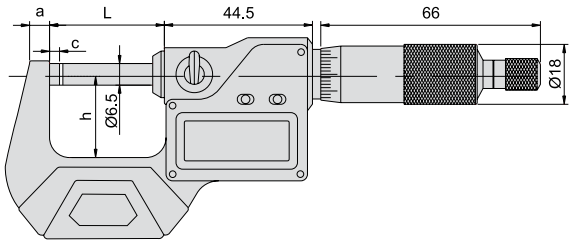
מק"ט	טווח	דיוק	a	b	c	d	L
187-006-11	0-150mm/0-6"	±0.03mm	75	57	43	16	475
187-008-11	0-200mm/0-8"	±0.03mm	90	70	49	20	660
187-010-11	0-250mm/0-10"	±0.03mm	90	70	49	20	710

SERIES 313 מיקרומטר דיגיטלי חיצוני IP65



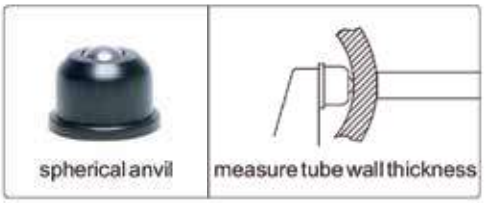
313-001-01

- Resolution: 0.001mm/0.00005"
- IP65 protection level
- Button: on/off, mm/inch,set, zero
- Automatic power off
- Carbide measuring faces, ratchet stop
- Setting standards are included (except **313-001-01**)



Setting standards (included)





מק"ט	טווח	דיוק	a	c	h	L	Setting standards(included)
313-001-01*	0-25mm/0-1"	±2	6	3	25	34.5	-
313-002-01*	25-50mm/1-2"	±2	8	3	32	59.5	25mm
313-003-01*	50-75mm/2-3"	±3	8	3	44.5	84.5	50mm
313-004-01*	75-100mm/3-4"	±3	8	3	57	109.5	75mm
313-005-01	100-125mm/4-5"	±3	10	3	70	135	100mm
313-006-01	125-150mm/5-6"	±3	10	3	82	160.5	125mm
313-007-01	150-175mm/6-7"	±4	12	5.5	94.5	186	150mm
313-008-01	175-200mm/7-8"	±4	12	5.5	107	211.5	175mm

סטים

מק"ט	טווח	כמות בסט	מידות בסט
313-003-03*	0-75mm/0-3"	3pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3"
313-004-04*	0-100mm/0-4"	4pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3", 75-100mm/3-4"
313-006-06	0-150mm/0-6"	6pcs	0-25mm/0-1", 25-50mm/1-2", 50-75mm/2-3", 75-100mm/3-4", 100-125mm/4-5", 125-150mm/5-6"

* **עם תעודת כיול**

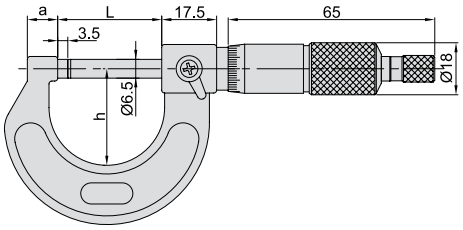
SERIES 321 מיקרומטר מכני חיצוני

- Graduation: 0.01mm
- Carbide measuring faces
- Ratchet stop
- Setting standards are included (except **321-001-01**)



321-001-01

מק"ט	טווח	דיוק	a	h	L	Setting standards (included)
321-001-01*	0-25mm	4µm	9	29	32	-
321-002-01*	25-50mm	4µm	9	39	58	25mm
321-003-01*	50-75mm	5µm	10	53	83	50mm
321-004-01*	75-100mm	5µm	10	65	109	75mm
321-005-01	100-125mm	6µm	11.5	76	133	100mm
321-006-01	125-150mm	6µm	11.5	88	159	125mm
321-007-01	150-175mm	7µm	11.5	101	185	150mm
321-008-01	175-200mm	7µm	11.5	114	210	175mm
321-009-01	200-225mm	8µm	11.5	126	235	200mm
321-010-01	225-250mm	8µm	12	139	260	225mm
321-011-01	250-275mm	9µm	12.5	151	286	250mm
321-012-01	275-300mm	9µm	12.5	164	311	275mm



Setting standards(included)



* עם תעודת כיול

SERIES 321 סט מיקרומטרים מכני חיצוני

- Consist of series 321 outside micrometer

Setting standards(included)




321-006-06

Aluminum box



מק"ט	טווח	כמות בסט	מידות בסט	Setting standards(included)
321-003-03*	0-75mm	3pcs	0-25, 25-50, 50-75mm	25, 50mm
321-004-04*	0-100mm	4pcs	0-25, 25-50, 50-75, 75-100mm	25, 50, 75mm
321-006-06	0-150mm	6pcs	0-25, 25-50, 50-75,75-100, 100-125, 125-150mm	25, 50, 75, 100, 125mm
321-012-06	150-300mm	6pcs	150-175, 175-200, 200-225, 225-250, 250-275, 275-300mm	150,1 75, 225, 250, 275mm
321-012-12	0-300mm	12pcs	0-25, 25-50, 50-75,75-100, 100-125, 125-150, 150-175, 175-200, 200-225, 225-250, 250-275, 275-300mm	25, 50, 75, 100, 125,150, 1 75, 200, 225, 250, 275mm

* עם תעודת כיול

SERIES 325 מיקרומטר מכני משולב מוטות

- Graduation: 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



325-006-01

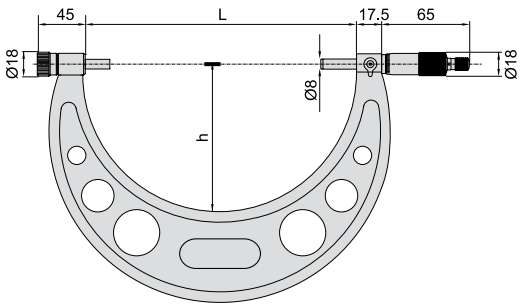
Setting standards **(included)**



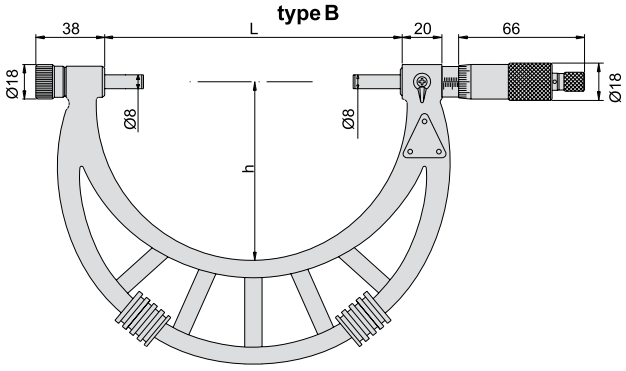
interchangeable anvils **(included)**



type A



type B



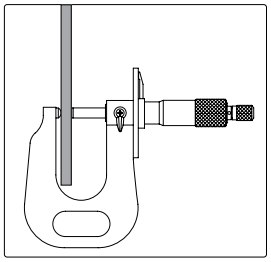
מק"ט	טווח	Type	דיוק	L	h	Setting standards(included)
325-002-01	0-50mm	A	4µm	58	35	25mm
325-004-01	0-100mm	A	5µm	108	57	25,50,75mm
325-006-01	0-150mm	A	6µm	158	82	25,50,75,100,125mm
325-008-01	100-200mm	A	7µm	208	114	100,125,150,175mm
325-012-01	150-300mm	A	9µm	308	165	150,175,200,225,250,275mm
325-006-02	50-150mm	A	6µm	158	82	50,75,100,125mm
325-012-02	200-300mm	A	9µm	308	165	200,225,250,275mm
325-016-02	300-400mm	B	11µm	409	224	325,375mm
325-020-02	400-500mm	B	13µm	509	275	425,475mm
325-024-02	500-600mm	B	14µm	609	321	525,575mm
325-028-02	600-700mm	B	16µm	709	371	625,675mm
325-032-02	700-800mm	B	18µm	809	426	725,775mm
325-036-02	800-900mm	B	20µm	909	476	825,875mm
325-040-02	900-1000mm	B	22µm	1009	576	925,975mm

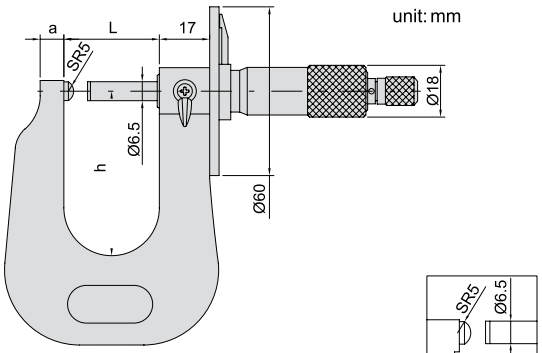
SERIES 347 מיקרומטר למדידת עובי פח

- Measure thickness of sheet metal, paper, plastic and rubber parts
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces



Application



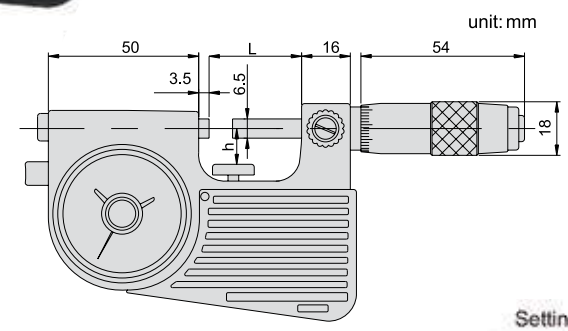


מק"ט	טווח	דיוק	a	h	L
347-015-01	0-15mm	4µm	8	50	22
347-001-01	0-25mm	4µm	8	50	32
347-002-01	0-50mm	5µm	12	100	57

SERIES 349 פסומטר



349-001-01



- Micrometer head graduation: 0.01mm
- Dial indicator: graduation 0.001mm, accuracy 0.001mm
- Carbide measuring faces
- Supplied with setting standards (except 0-25mm)

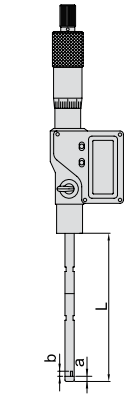
Setting standards(included)



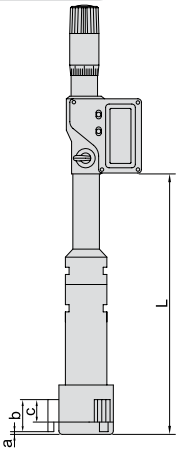
מק"ט	טווח	דיוק	Indicator range	L	h	Setting standards (included)
349-001-01	0-25mm	±3µm	60µm	28.5	19	-
349-002-01	25-50mm	±3µm	60µm	53.5	30	25mm
349-003-01	50-75mm	±4µm	60µm	78.5	45	50mm
349-004-01	75-100mm	±4µm	60µm	103.5	57	75mm

SERIES 361 מיקרומטר פנימי 3 נקודות דיגיטלי

- Resolution: 0.001mm/0.00005"
- IP65 protection level
- Button: on/off, set, mm/inch, ABS/INC, data output
- Automatic power off
- Data output
- Ratchet stop
- Carbide measuring faces (over 12mm series)
- Extension rod are included
- Setting rings are included (Range<100mm)



Range 6-20mm



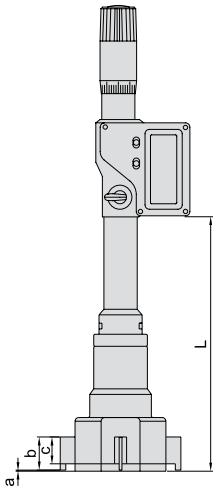
Range 20-50mm



361-002-01



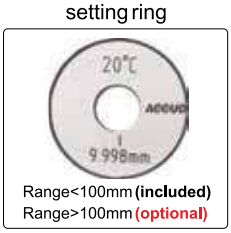
361-007-01



Range 50-300mm

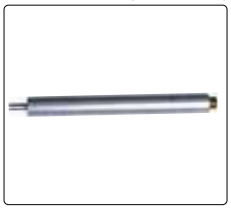
מק"ט	טווח	דיוק	טבעת כיול	מוט מאריך	a	b	c	L
361-001-01	8-10mm/0.31-0.4"	4µm	Ø6mm(included)	100mm	1.5	2.5	/	54.5
361-002-01	10-12mm/0.4-0.47"	4µm	Ø8mm(included)	100mm	1.5	2.5	/	63
361-003-01	12-16mm/0.47-0.63"	4µm	Ø10mm(included)	100mm	1.5	2.5	/	63
361-004-01	16-20mm/0.63-0.8"	4µm	Ø16mm(included)	150mm	0.5	6	4.5	80
361-005-01	20-25mm/0.8-1"	4µm	Ø16mm(included)	150mm	0.5	6	4.5	80
361-006-01	25-30mm/1-1.2"	4µm	Ø25mm(included)	150mm	0.5	8	6	105
361-007-01	30-40mm/1.2-1.6"	4µm	Ø25mm(included)	150mm	0.5	8	6	105
361-008-01	40-50mm/1.6-2"	4µm	Ø40mm(included)	150mm	0.5	14	12	110
361-009-01	50-63mm/2-2.5"	5µm	Ø40mm(included)	150mm	0.5	14	12	110
361-010-01	62-75mm/2.5-3"	5µm	Ø62mm(included)	150mm	0.5	17.5	14.5	114
361-011-01	75-88mm/3-3.5"	5µm	Ø62mm(included)	150mm	0.5	17.5	14.5	114
361-012-01	87-100mm/3.5-4"	5µm	Ø87mm(included)	150mm	0.5	17.5	14.5	114
361-013-01	6-8mm/0.24-0.31"	5µm	Ø87mm(included)	150mm	0.5	17.5	14.5	114
361-014-01	100-125mm/3.94-4.92"	6µm	optional	150mm	0.9	29	25	175
361-015-01	125-150mm/4.92-5.91"	6µm	optional	150mm	0.9	29	25	175
361-016-01	150-175mm/5.91-6.89"	7µm	optional	150mm	0.9	29	25	175
361-017-01	175-200mm/6.89-7.87"	7µm	optional	150mm	0.9	29	25	175
361-018-01	200-225mm/7.87-8.86"	8µm	optional	150mm	0.9	29	25	175
361-019-01	225-250mm/8.86-9.84"	8µm	optional	150mm	0.9	29	25	175
361-020-01	250-275mm/9.84-10.83"	9µm	optional	150mm	0.9	29	25	175
361-024-01	275-300mm/10.83-11.81"	9µm	optional	150mm	0.9	29	25	175

setting ring



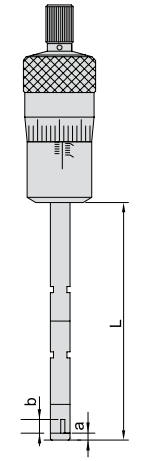
Range<100mm **(included)**
Range>100mm **(optional)**

extension rod**(included)**



SERIES 362 מיקרומטר פנימי 3 נקודות

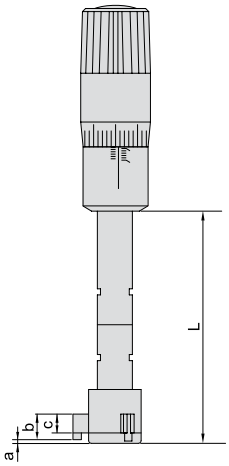
- **6-12mm** graduation: 0.001mm
  Steel measuring faces
  12-300mm graduation: 0.005mm
  Carbide measuring faces
- Ratchet stop
- Extension rod are included
- Setting rings are included (Range<100mm)



Range 6-12mm



362-003-01



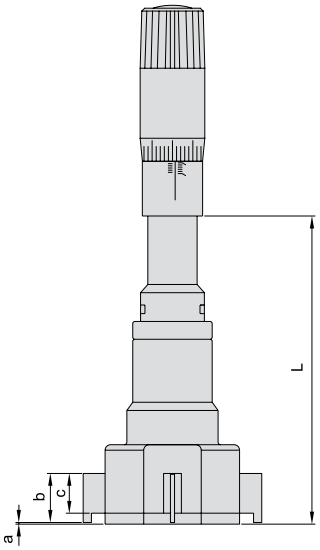
Range 12-50mm



362-008-01



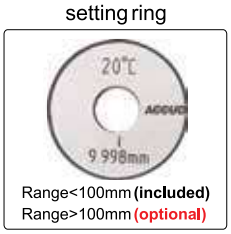
362-014-01



Range 50-300mm

מק"ט	טווח	דיוק	טבעת כיול	מוט מאריך	a	b	c	L
362-001-01*	6-8mm	4µm	Ø6mm(included)	100mm	1.5	2.5	/	54.5
362-002-01*	8-10mm	4µm	Ø8mm(included)	100mm	1.5	2.5	/	54.5
362-003-01*	10-12mm	4µm	Ø10mm(included)	100mm	1.5	2.5	/	54.5
362-004-01*	12-16mm	4µm	Ø16mm(included)	150mm	0.5	6	4.5	80
362-005-01*	16-20mm	4µm	Ø16mm(included)	150mm	0.5	6	4.5	80
362-006-01*	20-25mm	4µm	Ø25mm(included)	150mm	0.5	8	6	90
362-007-01*	25-30mm	4µm	Ø25mm(included)	150mm	0.5	8	6	90
362-008-01*	30-40mm	4µm	Ø40mm(included)	150mm	0.5	14	12	97
362-009-01*	40-50mm	5µm	Ø40mm(included)	150mm	0.5	14	12	97
362-010-01*	50-63mm	5µm	Ø62mm(included)	150mm	0.5	17.5	14.5	114
362-011-01*	62-75mm	5µm	Ø62mm(included)	150mm	0.5	17.5	14.5	114
362-012-01*	75-88mm	5µm	Ø87mm(included)	150mm	0.5	17.5	14.5	114
362-013-01*	87-100mm	5µm	Ø87mm(included)	150mm	0.5	17.5	14.5	114
362-014-01	100-125mm	6µm	optional	150mm	0.9	29	25	140
362-015-01	125-150mm	6µm	optional	150mm	0.9	29	25	140
362-016-01	150-175mm	7µm	optional	150mm	0.9	29	25	140
362-017-01	175-200mm	7µm	optional	150mm	0.9	29	25	140
362-018-01	200-225mm	8µm	optional	150mm	0.9	29	25	140
362-019-01	225-250mm	8µm	optional	150mm	0.9	29	25	140
362-020-01	250-275mm	9µm	optional	150mm	0.9	29	25	140
362-024-01	275-300mm	9µm	optional	150mm	0.9	29	25	140

setting ring



Range<100mm **(included)**
Range>100mm **(optional)**

extension rod**(included)**



SERIES 362 מיקרומטר פנימי לטווח גדול

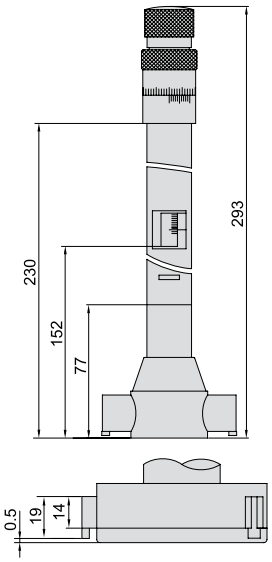
- Graduation 0.001mm
- Ratchet stop
- Carbide measuring faces
- Setting rings are included(except 200-300mm)

setting ring





363-003-01



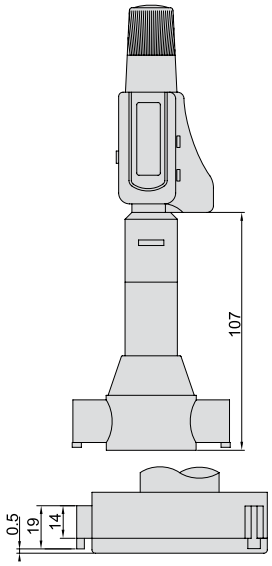
מק"ט	טווח	דיוק	טבעת כיול
363-003-01	50-70mm	5µm	Ø50mm(included)
363-004-01	70-100mm	5µm	Ø70mm(included)
363-006-01	100-150mm	6µm	Ø100mm(included)
363-010-01	150-250mm	8µm	Ø150mm(included)
363-012-01	200-300mm	9µm	Ø200mm(optional)

SERIES 354 מיקרומטר פנימי דיגיטלי לטווח גדול

- Resolution: 0.001mm/0.00005"
- IP54 protection level
- Buttons: on/off, set, mm/inch, ABS/INC
- Data output
- Automatic power off
- Carbide measuring faces
- Ratchet stop
- Supplied with extension rods
- Setting rings are included(except 200-300mm)



364-003-01



מק"ט	טווח	דיוק	טבעת כיול	מוט מאריך
364-003-01	50-70mm/1.97-2.76"	5µm	Ø50mm(included)	150mm
364-004-01	70-100mm/2.76-3.94"	5µm	Ø70mm(included)	150mm
364-006-01	100-150mm/3.94-5.91"	6µm	Ø100mm(included)	150mm
364-010-01	150-250mm/5.91-9.84"	8µm	Ø150mm(included)	150mm
364-012-01	200-300mm/7.87-11.81"	9µm	Ø200mm(optional)	150mm

extension rod**(included)**



setting ring

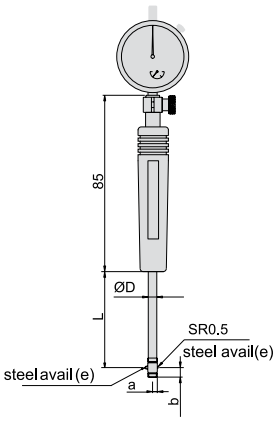


SERIES 251 מד קדח עם שעון

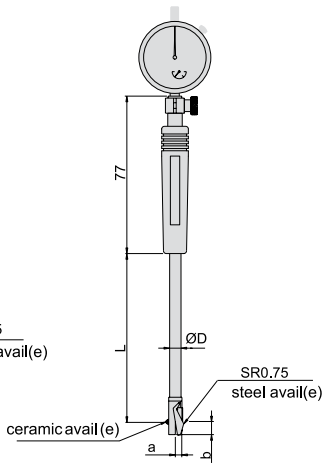




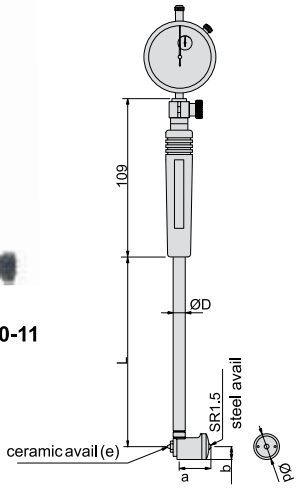
251-160-11



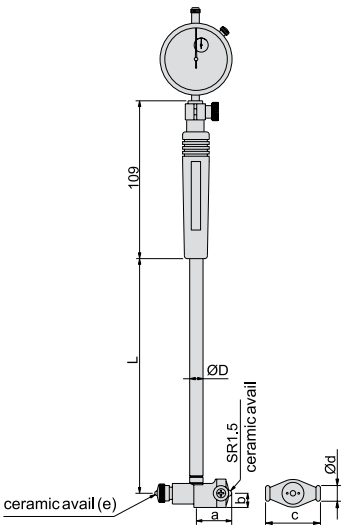
Range: 6-10mm



Range: 10-18mm



Range: 18-35mm



Range: 35-450mm

Bore gauge setter for setting zero**(optional)**



Setting ring**(optional)**



Measuring tips**(included)**



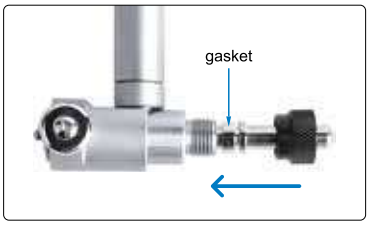
gasket**(included)**



series 215**(optional)**



Install tips

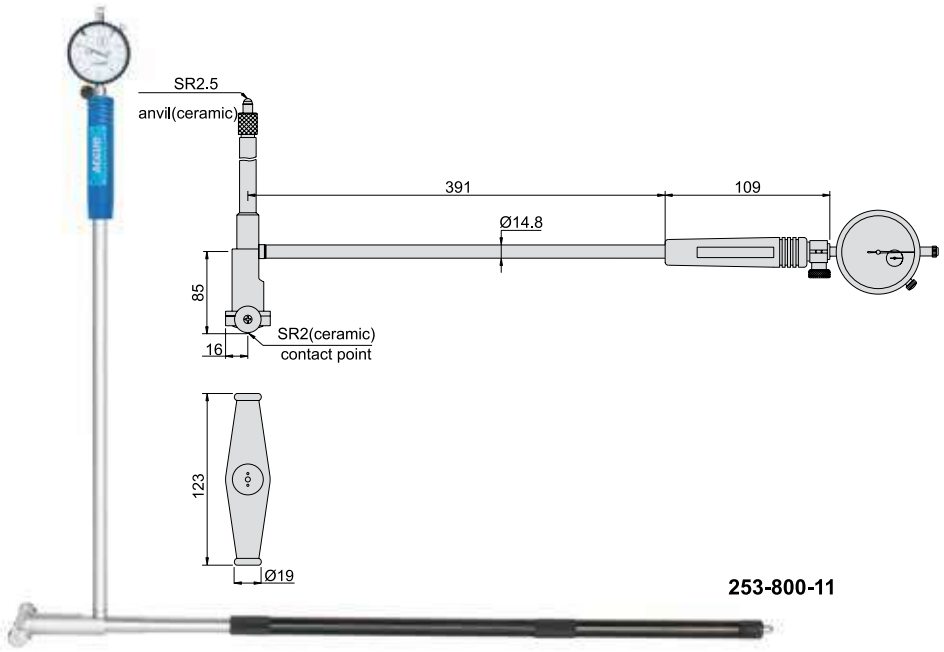


מק"ט	טווח	Dial indicator	Tips	Gasket	דיוק	Repeatability	a	b	c	Ød	ØD	e	L
251-010-11	6-10mm	Range:3mm graduation: 0.01mm	9pcs	2pcs	±0.012mm	3µm	3.6	5.7	/	/	4.5	SR1	48
251-018-11	10-18mm		9pcs	2pcs	±0.012mm	3µm	5.6	7.8	/	/	6	SR1	105
251-035-11	18-35mm	Range:10mm graduation: 0.01mm	9pcs	2pcs	±0.015mm	3µm	12.2	6.4	/	12.7	9	SR1	141
251-060-11	35-60mm		6pcs	4pcs	±0.018mm	3µm	26	9	27	13	12.8	SR2	141
251-100-11	50-100mm		11pcs	4pcs	±0.018mm	3µm	26	9	35	13	12.8	SR2	141
251-160-11	50-160mm		12pcs	4pcs	±0.018mm	3µm	26	9	35	13	12.8	SR2	141
251-160-12	100-160mm		12pcs	4pcs	±0.018mm	3µm	26	9	35	13	12.8	SR2	141
251-250-11	160-250mm		5pcs	5pcs	±0.018mm	3µm	56.5	13	74.5	15	14.5	SR3.5	400
251-450-11	250-450mm		5pcs	5pcs	±0.018mm	3µm	86.5	15	101.5	15	14.5	SR3.5	400

SERIES 243/253 מד קדח עם שעון למידות גדולות

Digital indicator for
243-800-11





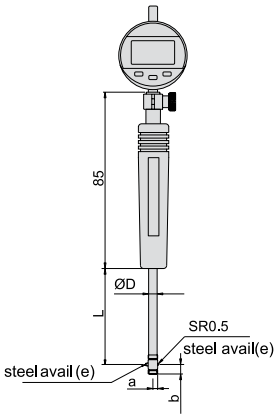
מק"ט	טווח	דיוק	Repeatability	Indicator
253-800-11	400-800mm	±0.025mm	0.003mm	dial indicator (Code: 222-010-12) range 10mm, graduation 0.01mm
243-800-11	400-800mm	±0.025mm	0.003mm	digital indicator (Code: 215-010-12) range 12.7mm, resolution 0.002mm/0.0001"

SERIES 251 מד קדח דיגיטלי

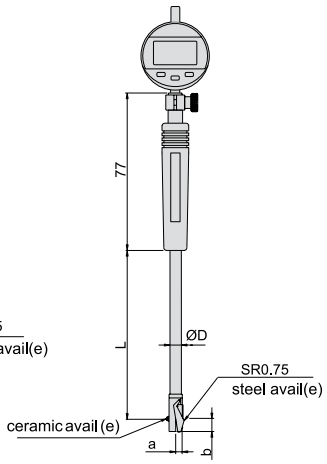




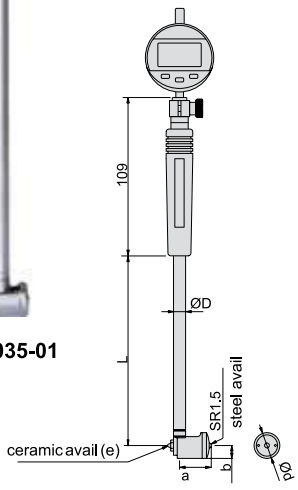
241-035-01



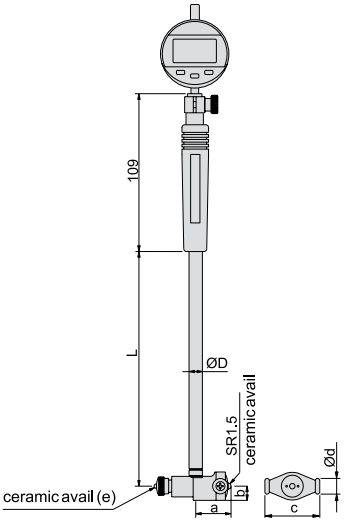
Range: 6-10mm



Range: 10-18mm



Range: 18-35mm



Range: 35-450mm

Bore gauge setter for setting zero**(optional)**



Setting ring**(optional)**



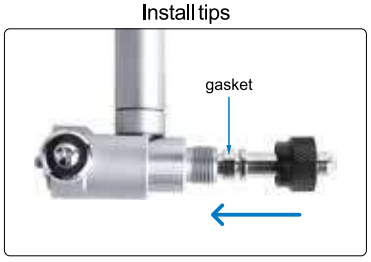
Measuring tips**(included)**



Gasket**(included)**



Install tips



מק"ט	טווח	Digital indicator	Tips	Gasket	דיוק	Repeatability	a	b	c	Ød	ØD	e	L
241-010-01	6-10mm	Range:12.7mm resolution: 0.001mm	9pcs	2pcs	±0.005mm	2μm	3.6	5.7	/	/	4.5	SR1	48
241-018-01	10-18mm		9pcs	2pcs	±0.005mm	2μm	5.6	7.8	/	/	6	SR1	105
241-035-01	18-35mm		9pcs	2pcs	±0.006mm	2μm	12.2	6.4	/	12.7	9	SR1	141
241-060-01	35-60mm		6pcs	4pcs	±0.007mm	2μm	26	9	27	13	12.8	SR2	141
241-100-01	50-100mm		11pcs	4pcs	±0.007mm	2μm	26	9	35	13	12.8	SR2	141
241-160-01	50-160mm		12pcs	4pcs	±0.007mm	2μm	26	9	35	13	12.8	SR2	141
241-160-02	100-160mm		12pcs	4pcs	±0.007mm	2μm	26	9	35	13	12.8	SR2	141
241-250-01	160-250mm		5pcs	5pcs	±0.007mm	2μm	56.5	13	74.5	15	14.5	SR3.5	400
241-450-01	250-450mm		5pcs	5pcs	±0.007mm	2μm	86.5	15	101.5	15	14.5	SR3.5	400

SERIES 511 סט בלוק מדידה קרמי

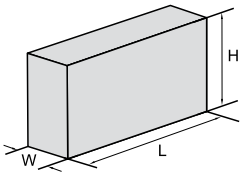
- Made of ceramic
- Meet ISO 3650
- With calibration certificate
- Code explanation

511-□□□-□X
→0: grade0
→1: grade1



511-087-00

Size (L)	W	H
0.5mm≤L≤10mm	9mm	30mm
L>10mm	9mm	35mm



Example:

מק"ט	Quantity	Grade ring
511-112-00	112	0
511-112-01	112	1

מק"ט	Blocks per set	Block allocation		
		Size(mm)	Step(mm)	Quantity
511-122-0X	122	1.0005		1
		1.001-1.009	0.001	9
		1.01-1.49	0.01	49
		1.6-1.9	0.1	4
		0.5-24.5	0.5	49
		30-100	10	8
		25-75		2
511-112-0X	112	1.0005		1
		1.001-1.009	0.001	9
		1.01-1.49	0.01	49
		0.5-24.5	0.5	49
		25-100	25	4
511-103-0X	103	1.005		1
		1.01-1.49	0.01	49
		0.5-24.5	0.5	49
		25-100	25	4
511-088-0X	88	1.0005		1
		1.001-1.009	0.001	9
		1.01-1.49	0.01	49
		0.5-9.5	0.5	19
		10-100	10	10
511-087-0X	87	1.001-1.009	0.001	9
		1.01-1.49	0.01	49
		0.5-9.5	0.5	19
		10-100	10	10
511-076-0X	76	1.005		1
		1.01-1.49	0.01	49
		0.5-9.5	0.5	19
		10-40	10	4
		50-100	25	3

מק"ט	Blocks per set	Block allocation		
		Size(mm)	Step(mm)	Quantity
511-056-0X	56	0.5		1
		1.001-1.009	0.001	9
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-24	1	24
		25-100	25	4
511-047-0X	47	1.005		1
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-24	1	24
		25-100	25	4
511-047-1X	47	1.005		1
		1.01-1.19	0.01	19
		1.2-1.9	0.1	8
		1-9	1	9
		10-100	10	10
511-046-0X	46	1.001-1.009	0.001	9
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-9	1	9
		10-100	10	10
511-034-0X	34	1.0005		1
		1.001-1.009	0.001	9
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-5	1	5
		10		1
511-032-0X	32	1.005		1
		1.01-1.09		9
		1.1-1.9	0.01	9
		1-9	0.1	9
		10-30	1	3
		60	10	1

SERIES 512 סט בלוק מדידה מפלדה

- Made of steel
- Meet ISO 3650
- With calibration certificate
- Code explanation

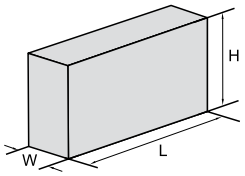
512-□□□-□X
- →0: grade0
- →1: grade1
- →2: grade2



512-087-02

Plastic box





Example:

מק"ט	Grade	Quantity
512-112-00	0	112
512-112-01	1	112
512-112-02	2	112

Size (L)	W	H
0.5mm≤L≤10mm	9mm	30mm
L>10mm	9mm	35mm

מק"ט	Blocks per set	Block allocation		
		Size (mm)	Step (mm)	Quantity
512-122-0X	122	1.0005		1
		1.001-1.009	0.001	9
		1.01-1.49	0.01	49
		1.6-1.9	0.1	4
		0.5-24.5	0.5	49
		30-100	10	8
		25-75	50	2
512-112-0X	112	1.0005		1
		1.001-1.009	0.001	9
		1.01-1.49	0.01	49
		0.5-24.5	0.5	49
		25-100	25	4
512-103-0X	103	1.005		1
		1.01-1.49	0.01	49
		0.5-24.5	0.5	49
		25-100	25	4
512-088-0X	88	1.0005		1
		1.001-1.009	0.001	9
		1.01-1.49	0.01	49
		0.5-9.5	0.5	19
		10-100	10	10
512-087-0X	87	1.001-1.009	0.001	9
		1.01-1.49	0.01	49
		0.5-9.5	0.5	19
		10-100	10	10

מק"ט	Blocks per set	Block allocation		
		Size (mm)	Step (mm)	Quantity
512-083-0X	83	0.5		1
		1		1
		1.005		1
		1.01-1.49	0.01	49
		1.5-1.9	0.1	5
		2-9.5	0.5	16
		10-100	10	10
512-076-0X	76	1.005		1
		1.01-1.49	0.01	49
		0.5-9.5	0.5	19
		10-40	10	4
		50-100	25	3
512-056-0X	56	0.5		1
		1.001-1.009	0.001	9
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-24	1	24
		25-100	25	4
512-047-0X	47	1.005		1
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-24	1	24
		25-100	25	4
512-047-1X	47	1.005		1
		1.01-1.19	0.01	19
		1.2-1.9	0.1	8
		1-9	1	9
		10-100	10	10

מק"ט	Blocks per set	Block allocation		
		Size (mm)	Step (mm)	Quantity
512-046-0X	46	1.001-1.009	0.001	9
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-9	1	9
		10-100	10	10
512-038-0X	38	1.005		1
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-9	1	9
		10-100	10	10
512-034-0X	34	1.0005		1
		1.001-1.009	0.001	9
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-5	1	5
		10		1
512-032-0X	32	1.005		1
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-9	1	9
		10-30	10	3
		50		1
512-032-1X	32	1.005		1
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-9	1	9
		10-30	10	3
		60		1
512-008-0X	8	125-175	25	3
		200-250	50	2
		300-500	100	3

SERIES 512 סט בלוק מדידה מתק"ש

- Made of carbide
- Meet ISO 3650
- With calibration certificate
- Code explanation

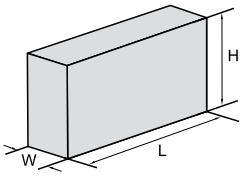
512-□□□-□XT
→0: grade0
→1: grade1



512-087-01T

Plastic box





Size (L)	W	H
0.5mm≤L≤10mm	9mm	30mm
L>10mm	9mm	35mm

Example:

מק"ט	Grade	Quantity
512-112-00T	0	112
512-112-01T	1	112

מק"ט	Blocks per set	Block allocation		
		Size(mm)	Step(mm)	Quantity
512-122-0XT	122	1.0005		1
		1.001-1.009	0.001	9
		1.01-1.49	0.01	49
		1.6-1.9	0.1	4
		0.5-24.5	0.5	49
		30-100	10	8
		25-75	50	2
512-112-0XT	112	1.0005		1
		1.001-1.009	0.001	9
		1.01-1.49	0.01	49
		0.5-24.5	0.5	49
		25-100	25	4
512-103-0XT	103	1.005		1
		1.01-1.49	0.01	49
		0.5-24.5	0.5	49
		25-100	25	4
512-087-0XT	87	1.001-1.009	0.001	9
		1.01-1.49	0.01	49
		0.5-9.5	0.5	19
		10-100	10	10
512-083-0XT	83	0.5		1
		1		1
		1.005		1
		1.01-1.49	0.01	49
		1.5-1.9	0.1	5
		2-9.5	0.5	16
		10-100	10	10
512-076-0XT	76	1.005		1
		1.01-1.49	0.01	49
		0.5-9.5	0.5	19
		10-40	10	4
		50-100	25	3

מק"ט	Blocks per set	Block allocation		
		Size(mm)	Step(mm)	Quantity
512-047-0XT	47	1.005		1
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-24	1	24
		25-100	25	4
512-047-1XT	47	1.005		1
		1.01-1.19	0.01	19
		1.2-1.9	0.1	8
		1-9	1	9
		10-100	10	10
512-046-0XT	46	1.001-1.009	0.001	9
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-9	1	9
		10-100	10	10
512-034-0XT	34	1.0005		1
		1.001-1.009	0.001	9
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-5	1	5
		10		1
512-032-0XT	32	1.005		1
		1.01-1.09	0.01	9
		1.1-1.9	0.1	9
		1-9	1	9
		10-30	10	3
		50		1

SERIES 523 סט פיני מדידה מפלדה

- Made of alloy steel
- Hardness HRC62-65
- Accuracy:
  ±1µm (range:0.1-13mm)
  ±2µm (range:13-40mm)



523-650-51



523-300-101

מק"ט	קוטר	קפיצה	כמות
523-100-091	0.1-1.00	0.01mm	91
523-200-101	1.00-2.00	0.01mm	101
523-300-101	2.00-3.00	0.01mm	101
523-400-101	3.00-4.00	0.01mm	101
523-500-101	4.00-5.00	0.01mm	101
523-600-101	5.00-6.00	0.01mm	101
523-700-101	6.00-7.00	0.01mm	101
523-800-101	7.00-8.00	0.01mm	101
523-900-101	8.00-9.00	0.01mm	101
523-1000-101	9.00-10.00	0.01mm	101

מק"ט	קוטר	קפיצה	כמות
523-0110-100	0.1-10.00	0.1mm	100
523-500-41	1.0-5.0	0.1mm	41
523-500-51	5.0-10.0	0.1mm	51
523-1000-01	10.0-15.0	0.1mm	51
523-1500-01	15.0-20.0	0.1mm	51

מק"ט	קוטר	קפיצה	כמות
523-010-41	0.10-0.50	0.01mm	41
523-020-31	0.20-0.50	0.01mm	31
523-050-51	0.50-1.00	0.01mm	51
523-100-51	1.00-1.50	0.01mm	51
523-150-51	1.50-2.00	0.01mm	51
523-200-51	2.00-2.50	0.01mm	51
523-250-51	2.50-3.00	0.01mm	51
523-300-51	3.00-3.50	0.01mm	51
523-350-51	3.50-4.00	0.01mm	51
523-400-51	4.00-4.50	0.01mm	51
523-450-51	4.50-5.00	0.01mm	51
523-500-01	5.00- 5.50	0.01mm	51
523-550-51	5.50-6.00	0.01mm	51
523-600-51	6.00-6.50	0.01mm	51
523-650-51	6.50-7.00	0.01mm	51
523-700-51	7.00-7.50	0.01mm	51
523-750-51	7.50-8.00	0.01mm	51
523-800-51	8.00-8.50	0.01mm	51
523-850-51	8.50- 9.00	0.01mm	51
523-900-51	9.00- 9.50	0.01mm	51
523-950-51	9.50-10.00	0.01mm	51

מק"ט	קוטר	קפיצה	כמות
523-1000-51	10.00-10.50	0.01mm	51
523-1050-51	10.50-11.00	0.01mm	51
523-1100-51	11.00-11.50	0.01mm	51
523-1150-51	11.50-12.00	0.01mm	51
523-1200-51	12.00-12.50	0.01mm	51
523-1250-51	12.50-13.00	0.01mm	51
523-1300-51	13.00-13.50	0.01mm	51
523-1350-51	13.50-14.00	0.01mm	51
523-1400-51	14.00-14.50	0.01mm	51
523-1450-51	14.50-15.00	0.01mm	51
523-1500-51	15.00-15.50	0.01mm	51
523-1550-51	15.50-16.00	0.01mm	51
523-1600-51	16.00-16.50	0.01mm	51
523-1650-51	16.50-17.00	0.01mm	51
523-1700-51	17.00-17.50	0.01mm	51
523-1750-51	17.50-18.00	0.01mm	51
523-1800-51	18.00-18.50	0.01mm	51
523-1850-51	18.50-19.00	0.01mm	51
523-1900-51	19.00-19.50	0.01mm	51
523-1950-51	19.50-20.00	0.01mm	51

SERIES 523 סט פיני מדידה מתק"ש

- Meet DIN2269, grade 1
- Made of carbide
- Hardness HRA90-90.5
- Diameter accuracy:±1μm



523-1000-51T



523-300-101T

מק"ט	קוטר	קפיצה	כמות
523-100-091T	0.10-1.00	0.01mm	91
523-200-101T	1.00-2.00	0.01mm	101
523-300-101T	2.00-3.00	0.01mm	101
523-400-101T	3.00-4.00	0.01mm	101
523-500-101T	4.00-5.00	0.01mm	101
523-600-101T	5.00-6.00	0.01mm	101
523-700-101T	6.00-7.00	0.01mm	101
523-800-101T	7.00-8.00	0.01mm	101
523-900-101T	8.00-9.00	0.01mm	101
523-1000-101T	9.00-10.00	0.01mm	101

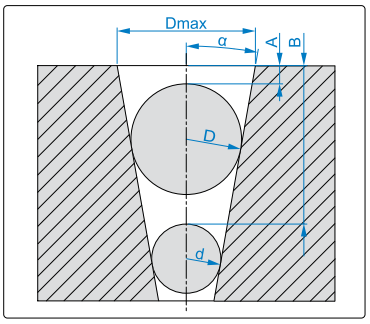
מק"ט	קוטר	קפיצה	כמות
523-1000-51T	10.00-10.50	0.01mm	51
523-1050-51T	10.50-11.00	0.01mm	51
523-1100-51T	11.00-11.50	0.01mm	51
523-1150-51T	11.50-12.00	0.01mm	51
523-1200-51T	12.00-12.50	0.01mm	51
523-1250-51T	12.50-13.00	0.01mm	51
523-1300-51T	13.00-13.50	0.01mm	51
523-1350-51T	13.50-14.00	0.01mm	51
523-1400-51T	14.00-14.50	0.01mm	51
523-1450-51T	14.50-15.00	0.01mm	51

526 סט כדורי מדידה מפלדה

- To measure diameter and angle of taper holes
- Each size has a pair of steel ball
- Material: tool steel
- Hardness: HRC63
- Diameter accuracy: ±2μm
- Roundness: 0.6μm



Calculate angle (α) and
diameter (Dmax) according to the
ball diameter (D, d), height (A) and depth(B)



מק"ט	כמות בסט	קטרים
526-025-01	25 pairs	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 , 16, 17, 18, 19, 20, 21, 22, 23, 24, 25

SERIES 532/533/534/535 מדיד הברגות נקבה טבעת M/MF

- Grade 6g
- Meet ISO1502
- Hardness HRC60-62



532-020-01



533-020-01

STANDARD THREAD

Code(GO)	Code(NOGO)	Size(mm)
532-002-01	533-002-01	M2x0.4
532-002-21	533-002-21	M2.2x0.45
532-002-51	533-002-51	M2.5x0.45
532-003-01	533-003-01	M3x0.5
532-003-51	533-003-51	M3.5x0.6
532-004-01	533-004-01	M4x0.7
532-005-01	533-005-01	M5x0.8
532-006-01	533-006-01	M6x1
532-008-01	533-008-01	M8x1.25

Code(GO)	Code(NOGO)	Size(mm)
532-010-01	533-010-01	M10x1.5
532-012-01	533-012-01	M12x1.75
532-014-01	533-014-01	M14x2
532-016-01	533-016-01	M16x2
532-018-01	533-018-01	M18x2.5
532-020-01	533-020-01	M20x2.5
532-022-01	533-022-01	M22x2.5
532-024-01	533-024-01	M24x3
532-027-01	533-027-01	M27x3

Code(GO)	Code(NOGO)	Size(mm)
532-030-01	533-030-01	M30x3.5
532-033-01	533-033-01	M33x3.5
532-036-01	533-036-01	M36x4
532-042-01	533-042-01	M42x4.5
532-048-01	533-048-01	M48x5
532-052-01	533-052-01	M52x5
532-060-01	533-060-01	M60x5.5

FINE THREAD

Code(GO)	Code(NOGO)	Size(mm)
534-002-01	535-002-01	M2x0.25
534-002-21	535-002-21	M2.2x0.25
534-002-51	535-002-51	M2.5x0.35
534-003-01	535-003-01	M3x0.35
534-003-51	535-003-51	M3.5x0.35
534-004-01	535-004-01	M4x0.5
534-005-01	535-005-01	M5x0.5
534-006-01	535-006-01	M6x0.5
534-006-02	535-006-02	M6x0.75
534-007-01	535-007-01	M7x0.5
534-007-02	535-007-02	M7x0.75
534-008-01	535-008-01	M8x0.5
534-008-02	535-008-02	M8x0.75
534-008-03	535-008-03	M8x1
534-009-01	535-009-01	M9x0.5
534-009-02	535-009-02	M9x0.75
534-009-03	535-009-03	M9x1
534-010-01	535-010-01	M10x0.5
534-010-02	535-010-02	M10x0.75
534-010-03	535-010-03	M10x1
534-010-04	535-010-04	M10x1.25
534-011-02	535-011-02	M11x0.75
534-011-03	535-011-03	M11x1
534-012-01	535-012-01	M12x0.5
534-012-02	535-012-02	M12x0.75
534-012-03	535-012-03	M12x1
534-012-04	535-012-04	M12x1.25
534-012-05	535-012-05	M12x1.5
534-014-01	535-014-01	M14x0.5
534-014-02	535-014-02	M14x0.75
534-014-03	535-014-03	M14x1
534-014-04	535-014-04	M14x1.25
534-014-05	535-014-05	M14x1.5
534-016-01	535-016-01	M16x0.5
534-016-02	535-016-02	M16x0.75
534-016-03	535-016-03	M16x1
534-016-04	535-016-04	M16x1.5

Code(GO)	Code(NOGO)	Size(mm)
534-018-01	535-018-01	M18x0.5
534-018-02	535-018-02	M18x0.75
534-018-03	535-018-03	M18x1
534-018-04	535-018-04	M18x1.5
534-018-05	535-018-05	M18x2
534-020-01	535-020-01	M20x0.5
534-020-02	535-020-02	M20x0.75
534-020-03	535-020-03	M20x1
534-020-04	535-020-04	M20x1.5
534-020-05	535-020-05	M20x2
534-022-01	535-022-01	M22x0.5
534-022-02	535-022-02	M22x0.75
534-022-03	535-022-03	M22x1
534-022-04	535-022-04	M22x1.5
534-022-05	535-022-05	M22x2
534-024-01	535-024-01	M24x0.75
534-024-02	535-024-02	M24x1
534-024-03	535-024-03	M24x1.5
534-024-04	535-024-04	M24x2
534-027-01	535-027-01	M27x0.75
534-027-02	535-027-02	M27x1
534-027-03	535-027-03	M27x1.5
534-027-04	535-027-04	M27x2
534-030-01	535-030-01	M30x0.75
534-030-02	535-030-02	M30x1
534-030-03	535-030-03	M30x1.5
534-030-04	535-030-04	M30x2
534-030-05	535-030-05	M30x3
534-033-01	535-033-01	M33x0.75
534-033-02	535-033-02	M33x1
534-033-03	535-033-03	M33x1.5
534-033-04	535-033-04	M33x2
534-033-05	535-033-05	M33x3
534-036-01	535-036-01	M36x1
534-036-02	535-036-02	M36x1.5
534-036-03	535-036-03	M36x2
534-036-04	535-036-04	M36x3

Code(GO)	Code(NOGO)	Size(mm)
534-039-01	535-039-01	M39x1
534-039-02	535-039-02	M39x1.5
534-039-03	535-039-03	M39x2
534-039-04	535-039-04	M39x3
534-042-01	535-042-01	M42x1
534-042-02	535-042-02	M42x1.5
534-042-03	535-042-03	M42x2
534-042-04	535-042-04	M42x3
534-042-05	535-042-05	M42x4
534-045-01	535-045-01	M45x1
534-045-02	535-045-02	M45x1.5
534-045-03	535-045-03	M45x2
534-045-04	535-045-04	M45x3
534-045-05	535-045-05	M45x4
534-048-01	535-048-01	M48x1
534-048-02	535-048-02	M48x1.5
534-048-03	535-048-03	M48x2
534-048-04	535-048-04	M48x3
534-048-05	535-048-05	M48x4
534-052-01	535-052-01	M52x1
534-052-02	535-052-02	M52x1.5
534-052-03	535-052-03	M52x2
534-052-04	535-052-04	M52x3
534-052-05	535-052-05	M52x4
534-056-01	535-056-01	M56x1
534-056-02	535-056-02	M56x1.5
534-056-03	535-056-03	M56x2
534-056-04	535-056-04	M56x3
534-056-05	535-056-05	M56x4
534-060-01	535-060-01	M60x1
534-060-02	535-060-02	M60x1.5
534-060-03	535-060-03	M60x2
534-060-04	535-060-04	M60x3
534-060-05	535-060-05	M60x4

SERIES 542 מדיד הברגות זכר פלאג M

- Grade 6H
- Meet ISO1502
- Hardness HRC60-62



542-024-01

Code	Size(mm)
542-002-01	M2x0.4
542-002-21	M2.2x0.45
542-002-51	M2.5x0.45
542-003-01	M3x0.5
542-003-02	M3.5x0.6
542-004-01	M4x0.7
542-005-01	M5x0.8
542-006-01	M6x1

Code	Size(mm)
542-007-01	M7x1
542-008-01	M8x1.25
542-009-01	M9x1.25
542-010-01	M10x1.5
542-011-01	M11x1.5
542-012-01	M12x1.75
542-014-01	M14x2
542-016-01	M16x2

Code	Size(mm)
542-018-01	M18x2.5
542-020-01	M20x2.5
542-022-01	M22x2.5
542-024-01	M24x3
542-027-01	M27x3
542-030-01	M30x3.5
542-033-01	M33x3.5
542-036-01	M36x4

Code	Size(mm)
542-039-01	M39x4
542-042-01	M42x4.5
542-045-01	M45x4.5
542-048-01	M48x5
542-052-01	M52x5
542-056-01	M56x5.5
542-060-01	M60x5.5

SERIES 543 מדיד הברגות זכר פלאג MF

- Grade 6H
- Meet ISO1502
- Hardness HRC60-62 , good wear resistance



543-020-01

Code	Size(mm)
543-002-01	M2x0.25
543-002-21	M2.2x0.25
543-002-31	M2.5x0.35
543-003-01	M3x0.35
543-003-02	M3.5x0.35
543-004-01	M4x0.5
543-005-01	M5x0.5
543-006-01	M6x0.5
543-006-02	M6x0.75
543-007-01	M7x0.5
543-007-02	M7x0.75
543-008-01	M8x0.5
543-008-02	M8x0.75
543-008-03	M8x1
543-009-01	M9x0.5
543-009-02	M9x0.75
543-009-03	M9x1
543-010-01	M10x0.5
543-010-02	M10x0.75
543-010-03	M10x1
543-010-04	M10x1.25
543-011-01	M11x0.5

Code	Size(mm)
543-011-02	M11x0.75
543-011-03	M11x1
543-012-01	M12x0.5
543-012-02	M12x0.75
543-012-03	M12x1
543-012-04	M12x1.25
543-012-05	M12x1.5
543-014-01	M14x0.5
543-014-02	M14x0.75
543-014-03	M14x1
543-014-04	M14x1.25
543-014-05	M14x1.5
543-016-01	M16x0.5
543-016-02	M16x0.75
543-016-03	M16x1
543-016-04	M16x1.5
543-018-01	M18x0.5
543-018-02	M18x0.75
543-018-03	M18x1
543-018-04	M18x1.5
543-018-05	M18x2
543-020-01	M20x0.5

Code	Size(mm)
543-020-02	M20x0.75
543-020-03	M20x1
543-020-04	M20x1.5
543-020-05	M20x2
543-022-01	M22x0.5
543-022-02	M22x0.75
543-022-03	M22x1
543-022-04	M22x1.5
543-022-05	M22x2
543-024-01	M24x0.75
543-024-02	M24x1
543-024-03	M24x1.5
543-024-04	M24x2
543-027-01	M27x0.75
543-027-02	M27x1
543-027-03	M27x1.5
543-027-04	M27x2
543-030-01	M30x0.75
543-030-02	M30x1
543-030-03	M30x1.5
543-030-04	M30x2
543-030-05	M30x3

Code	Size(mm)
543-033-01	M33x0.75
543-033-02	M33x1
543-033-03	M33x1.5
543-033-04	M33x2
543-033-05	M33x3
543-036-01	M36x1
543-036-02	M36x1.5
543-036-03	M36x2
543-036-04	M36x3
543-039-01	M39x1
543-039-02	M39x1.5
543-039-03	M39x2
543-039-04	M39x3
543-042-01	M42x1
543-042-02	M42x1.5
543-042-03	M42x2
543-042-04	M42x3
543-042-05	M42x4
543-045-01	M45x1
543-045-02	M45x1.5
543-045-03	M45x2
543-045-04	M45x3

Code	Size(mm)
543-045-05	M45x4
543-048-01	M48x1
543-048-02	M48x1.5
543-048-03	M48x2
543-048-04	M48x3
543-048-05	M48x4
543-052-01	M52x1
543-052-02	M52x1.5
543-052-03	M52x2
543-052-04	M52x3
543-052-05	M52x4
543-056-01	M56x1
543-056-02	M56x1.5
543-056-03	M56x2
543-056-04	M56x3
543-056-05	M56x4
543-060-01	M60x1
543-060-02	M60x1.5
543-060-03	M60x2
543-060-04	M60x3
543-060-05	M60x4

SERIES 537/538 מדיד הברגות נקבה טבעת UNC/UNF

- Class 2A
- Conforms to standard ANSI B1.2
- Made of Oil Hardened Non-shringking steel
- Hardness HRC60-62



537-71620-UNF

Code(GO)	Code(NOGO)	Size
537-00440-UNC	538-00440-UNC	4-40UNC
537-04048-UNF	538-04048-UNF	4-48UNF
537-00632-UNC	538-00632-UNC	6-32UNC
537-06040-UNF	538-06040-UNF	6-40UNF
537-00832-UNC	538-00832-UNC	8-32UNC
537-08036-UNF	538-08036-UNF	8-36UNF
537-01024-UNC	538-01024-UNC	10-24UNC
537-01032-UNF	538-01032-UNF	10-32UNF
537-01420-UNC	538-01420-UNC	1/4-20UNC
537-01428-UNF	538-01428-UNF	1/4-28UNF
537-51618-UNC	538-51618-UNC	5/16-18UNC
537-51624-UNF	538-51624-UNF	5/16-24UNF
537-03816-UNC	538-03816-UNC	3/8-16UNC
537-03824-UNF	538-03824-UNF	3/8-24UNF

Code(GO)	Code(NOGO)	Size
537-71614-UNC	538-71614-UNC	7/16-14UNC
537-71620-UNF	538-71620-UNF	7/16-20 UNF
537-01213-UNC	538-01213-UNC	1/2-13 UNC
537-01220-UNF	538-01220-UNF	1/2-20 UNF
537-91612-UNC	538-91612-UNC	9/16-12UNC
537-91618-UNF	538-91618-UNF	9/16-18UNF
537-05811-UNC	538-05811-UNC	5/8-11UNC
537-05818-UNF	538-05818-UNF	5/8-18UNF
537-03410-UNC	538-03410-UNC	3/4-10UNC
537-03416-UNF	538-03416-UNF	3/4-16UNF
537-07809-UNC	538-07809-UNC	7/8-9UNC
537-07814-UNF	538-07814-UNF	7/8-14UNF
537-01080-UNC	538-01080-UNC	1-8 UNC
537-01012-UNF	538-01012-UNF	1-12UNF

SERIES 547 מדיד הברגות זכר פלאג UNC/UNF

- Class 2B
- Conforms to standard ANSI B1.2
- Made of Oil Hardened Non-shringking steel
- Hardness HRC60-62



547-71620-UNF

Code(GO)	Size
547-00440-UNC	4-40UNC
547-04048-UNF	4-48UNF
547-00632-UNC	6-32UNC
547-06040-UNF	6-40UNF
547-00832-UNC	8-32UNC
547-08036-UNF	8-36UNF
547-01024-UNC	10-24UNC
547-01032-UNF	10-32UNF
547-01420-UNC	1/4-20UNC
547-01428-UNF	1/4-28UNF

Code(GO)	Size
547-51618-UNC	5/16-18UNC
547-51624-UNF	5/16-24UNF
547-03816-UNC	3/8-16UNC
547-03824-UNF	3/8-24UNF
547-71614-UNC	7/16-14UNC
547-71620-UNF	7/16-20 UNF
547-01213-UNC	1/2-13 UNC
547-01220-UNF	1/2-20 UNF
547-91612-UNC	9/16-12UNC
547-91618-UNF	9/16-18UNF

Code(GO)	Size
547-05811-UNC	5/8-11UNC
547-05818-UNF	5/8-18UNF
547-03410-UNC	3/4-10UNC
547-03416-UNF	3/4-16UNF
547-07809-UNC	7/8-9UNC
547-07814-UNF	7/8-14UNF
547-01080-UNC	1-8 UNC
547-01012-UNF	1-12UNF

SERIES 544 מדיד הברגות זכר פלאג NPT

PLUG GAUGE

- Conforms to standard ANSI/ASME B1.20.1
- Taper: 1:16
- Made of Oil Hardened Non-shringking steel



544-014-01

Code	Size	Code	Size
544-027-04	NPT 1/16" x 27	544-11D5-12	NPT1-1/4"x11.5
544-027-03	NPT 1/8" x 27	544-11D5-11	NPT1-1/2"x11.5
544-018-02	NPT1/4" x 18	544-11D5-20	NPT2"X11.5
544-018-33	NPT3/8"x18	544-008-21	NPT2-1/2"X8
544-014-01	NPT1/2" x 14	544-008-30	NPT3"X8
544-014-32	NPT3/4"x14	544-008-32	NPT3-1/2"X8
544-11D5-10	NPT1"x11.5	544-008-40	NPT4"X8

SERIES 544 מדיד הברגות נקבה טבעת NPT

RING GAUGE

- Conforms to standard ANSI/ASME B1.20.1
- Taper: 1:16
- Made of Oil Hardened Non-shringking steel



Front **544-014-01R** Back

Code	Size	Code	Size
544-027-04R	NPT 1/16" x 27	544-11D5-12R	NPT1-1/4"x11.5
544-027-03R	NPT 1/8" x 27	544-11D5-11R	NPT1-1/2"x11.5
544-018-02R	NPT1/4" x 18	544-11D5-20R	NPT2"X11.5
544-018-33R	NPT3/8"x18	544-008-21R	NPT2-1/2"X8
544-014-01R	NPT1/2" x 14	544-008-30R	NPT3"X8
544-014-32R	NPT3/4"x14	544-008-32R	NPT3-1/2"X8
544-11D5-10R	NPT1"x11.5	544-008-40R	NPT4"X8

SERIES 545 מדיד הברגות זכר פלאג G/BSP

PLUG GAUGE

- Conforms to standard ISO228



545-0500-01

Code	Size
545-0125-01	G1/8-28
545-0250-01	G1/4-19
545-0375-01	G3/8-19
545-0500-01	G1/2-14
545-0625-01	G5/8-14
545-0750-01	G3/4-14

Code	Size
545-0875-01	G7/8-14
545-1000-01	G1-11
545-1125-01	G1-1/8-11
545-1250-01	G1-1/4-11
545-1500-01	G1-1/2-11
545-1750-01	G1-3/4-11

Code	Size
545-2000-01	G2-11
545-2500-01	G2-1/2-11
545-3000-01	G3-11
545-4000-01	G4-11

SERIES 535/536 מדיד הברגות נקבה טבעת G/BSP

RING GAUGE

- Conforms to standard ISO228
- Class B



535-0250-01



536-0250-01

Code(GO)	Code(NOGO)	Size
535-0125-01	536-0125-01	G1/8-28
535-0250-01	536-0250-01	G1/4-19
535-0375-01	536-0375-01	G3/8-19
535-0500-01	536-0500-01	G1/2-14
535-0625-01	536-0625-01	G5/8-14
535-0750-01	536-0750-01	G3/4-14
535-0875-01	536-0875-01	G7/8-14
535-1000-01	536-1000-01	G1-11

Code(GO)	Code(NOGO)	Size
535-1125-01	536-1125-01	G1-1/8-11
535-1250-01	536-1250-01	G1-1/4-11
535-1500-01	536-1500-01	G1-1/2-11
535-1750-01	536-1750-01	G1-3/4-11
535-2000-01	536-2000-01	G2-11
535-2500-01	536-2500-01	G2-1/2-11
535-3000-01	536-3000-01	G3-11
535-4000-01	536-4000-01	G4-11

SERIES 531 מדידי טבעת

- For inside micrometer and bore gage setting
- Deviation (difference between the order size and the size marked on supplied setting ring)
  Ø2-100: ±3.0µm Ø100-300: ±5.0µm
- Accuracy: Ø2-100: ±1.0µm
  Ø100-250: ±2.0µm Ø250-300: ±2.5µm
- Range: Ø2-300mm



531-040-01



מק"ט	קוטר פנימי
531-002-01	Ø2
531-003-01	Ø3
531-004-01	Ø4
531-005-01	Ø5
531-006-01	Ø6
531-007-01	Ø7
531-008-01	Ø8
531-009-01	Ø9
531-010-01	Ø10
531-011-01	Ø11
531-012-01	Ø12
531-013-01	Ø13
531-014-01	Ø14
531-015-01	Ø15

מק"ט	קוטר פנימי
531-016-01	Ø16
531-017-01	Ø17
531-018-01	Ø18
531-019-01	Ø19
531-020-01	Ø20
531-021-01	Ø21
531-022-01	Ø22
531-023-01	Ø23
531-024-01	Ø24
531-025-01	Ø25
531-026-01	Ø26
531-027-01	Ø27
531-028-01	Ø28
531-029-01	Ø29

מק"ט	קוטר פנימי
531-030-01	Ø30
531-031-01	Ø31
531-032-01	Ø32
531-033-01	Ø33
531-034-01	Ø34
531-035-01	Ø35
531-036-01	Ø36
531-037-01	Ø37
531-038-01	Ø38
531-039-01	Ø39
531-040-01	Ø40
531-041-01	Ø41
531-042-01	Ø42
531-043-01	Ø43

מק"ט	קוטר פנימי
531-044-01	Ø44
531-045-01	Ø45
531-046-01	Ø46
531-047-01	Ø47
531-048-01	Ø48
531-049-01	Ø49
531-050-01	Ø50
531-055-01	Ø55
531-060-01	Ø60
531-062-01	Ø62
531-065-01	Ø65
531-070-01	Ø70
531-075-01	Ø75
531-080-01	Ø80

מק"ט	קוטר פנימי
531-085-01	Ø85
531-087-01	Ø87
531-090-01	Ø90
531-095-01	Ø95
531-100-01	Ø100
531-125-01	Ø125
531-150-01	Ø150
531-175-01	Ø175
531-200-01	Ø200
531-225-01	Ø225
531-250-01	Ø250
531-275-01	Ø275
531-300-01	Ø300

SERIES 916 שימסים מפלדה

- Used to check the spacing thickness
- Made of hardened alloy steel
- Length 5m
- Width 13mm



916-010-01

מק"ט	עובי	דיוק
916-001-01	0.01mm	±3µm
916-002-01	0.02mm	±4µm
916-003-01	0.03mm	±4µm
916-004-01	0.04mm	±4µm
916-005-01	0.05mm	±4µm
916-006-01	0.06mm	±4µm
916-007-01	0.07mm	±5µm
916-008-01	0.08mm	±5µm
916-009-01	0.09mm	±5µm
916-010-01	0.10mm	±5µm

מק"ט	עובי	דיוק
916-015-01	0.15mm	±5µm
916-020-01	0.20mm	±8µm
916-025-01	0.25mm	±9µm
916-030-01	0.30mm	±9µm
916-035-01	0.35mm	±11µm
916-040-01	0.40mm	±12µm
916-045-01	0.45mm	±12µm
916-050-01	0.50mm	±14µm
916-055-01	0.55mm	±14µm
916-060-01	0.60mm	±14µm

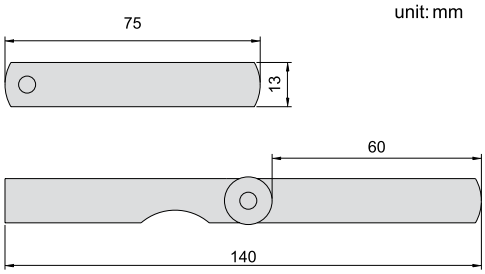
מק"ט	עובי	דיוק
916-065-01	0.65mm	±14µm
916-070-01	0.70mm	±17µm
916-075-01	0.75mm	±17µm
916-080-01	0.80mm	±19µm
916-085-01	0.85mm	±19µm
916-090-01	0.90mm	±22µm
916-095-01	0.95mm	±22µm
916-100-01	1.00mm	±24µm

SERIES 911 מד מרווח מילימטרי

- Meets DIN2275
- Accuracy: ±(3+T/80)μm, T is the thickness of leaves , unit: μm
- Made of hardened spring steel



unit: mm

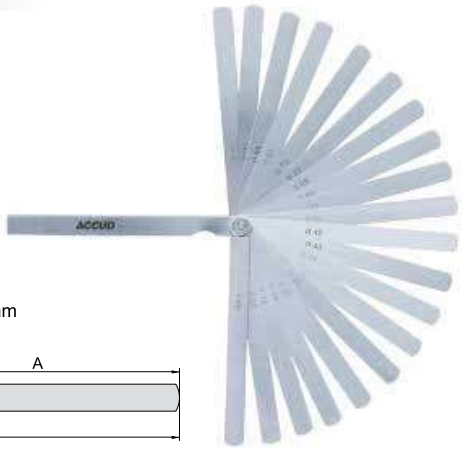


מק"ט	טווח	מספר עלים	עובי עלים (ממ)
911-100-25	0.04 - 1.00mm	25	0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00

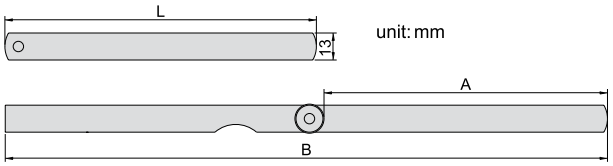
SERIES 913/914/915 מד מרווח מילימטרי ארוך

- Meets DIN2275
- Accuracy: ±(3+T/80)μm, T is the thickness of leaves , unit: μm
- Made of hardened spring steel

913-100-20



L	A	B
150	135	295
200	185	395
300	285	590



unit: mm

מק"ט	טווח	מספר עלים	עובי עלים (ממ)	L
913-100-13	0.05 - 1.00mm	13	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.60, 0.70, 0.80, 0.90, 1.00	150
914-100-13	0.05 - 1.00mm	13		200
915-100-13	0.05 - 1.00mm	13		300
913-100-17	0.02 - 1.00mm	17	0.02, 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09, 0.10, 0.15, 0.20, 0.25, 0.30, 0.40, 0.50, 0.75, 1.00	150
914-100-17	0.02 - 1.00mm	17		200
915-100-17	0.02 - 1.00mm	17		300
913-100-20	0.05 - 1.00mm	20	0.05, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40, 0.45, 0.50, 0.55, 0.60, 0.65, 0.70, 0.75, 0.80, 0.85, 0.90, 0.95, 1.00	150
914-100-20	0.05 - 1.00mm	20		200
915-100-20	0.05 - 1.00mm	20		300

SERIES 917 מד מרווח אינצ'י

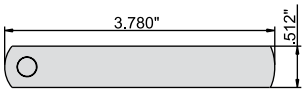
- .010" is made of brass, others are made of hardened alloy steel
- Each blade is marked with inch/metric size



מק"ט	טווח	מספר עלים
917-035-31	.0015"~.035"	32

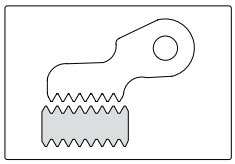
עובי עלים	דיוק
.010" (brass)	±.00039"
.0015", .002"	±.0002"
.0025"~ .007"	±.00028"
.008", .009"	±.00035"
.010", .011"	±.00039"
.012", .013"	±.00047"
.014", .015"	±.00051"
.016", .017"	±.00055"
.018", .019"	±.00059"
.020", .021"	±.00067"
.022", .023"	±.00071"
.024", .025", .026"	±.00075"
.028"	±.00091"
.030"	±.00094"
.032", .035"	±.00102"

unit: mm



922/923/924/925 מסרק הברגות

- Measure the pitch of thread
- Accuracy: ±0.07mm
- Made of medium carbon steel





METRIC 60° SCREW

מק"ט	טווח	מספר עלים	פסיעות
922-007-22	0.4-7.0mm	22	0.4, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm
922-007-24	0.25-7.0mm	24	0.25, 0.3, 0.35, 0.4, 0.5, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7mm
922-006-24	0.25-6.0mm	24	0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.6, 0.7, 0.75, 0.8, 0.9, 1, 1.25, 1.5, 1.75, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6mm
922-025-28	0.25-2.5mm	28	0.25, 0.3, 0.35, 0.4, 0.45, 0.5, 0.55, 0.6, 0.65, 0.7, 0.75, 0.8, 0.85, 0.9, 1.0, 1.1, 1.2, 1.25, 1.3, 1.4, 1.5, 1.6, 1.7, 1.75, 1.8, 1.9, 2.0, 2.5mm

UNIFIED 60° SCREW

מק"ט	טווח	מספר עלים	פסיעות
923-042-30	4-42TPI	30	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 11-1/2, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI

WHITWORTH 55° SCREW

מק"ט	טווח	מספר עלים	פסיעות
924-042-30	4-42TPI	30	4, 4-1/2, 5, 5-1/2, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 19, 20, 22, 24, 26, 27, 28, 30, 32, 34, 36, 38, 40, 42TPI
924-062-28	4-62TPI	28	4, 4-1/2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 22, 24, 25, 26, 28, 30, 32, 36, 40, 48, 60, 62TPI

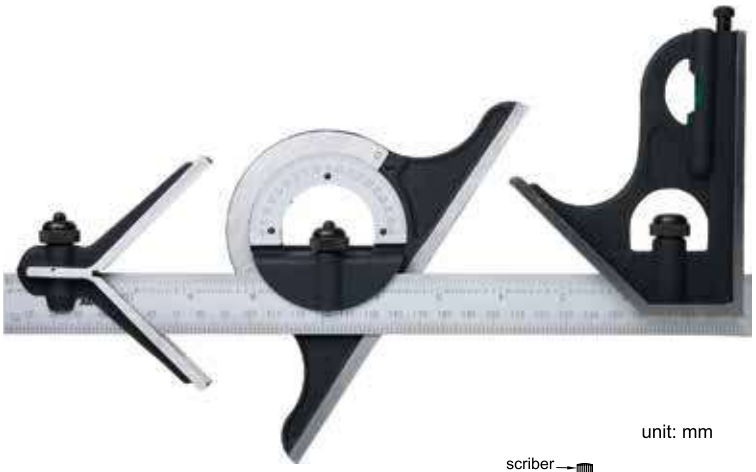
METRIC 60° AND WHITWORTH 55° SCREW

מק"ט	טווח	מספר עלים	פסיעות
925-062-52	0.25-6.0mm and 4-62TPI	52	pitch of **922-006-24** and **924-062-28**

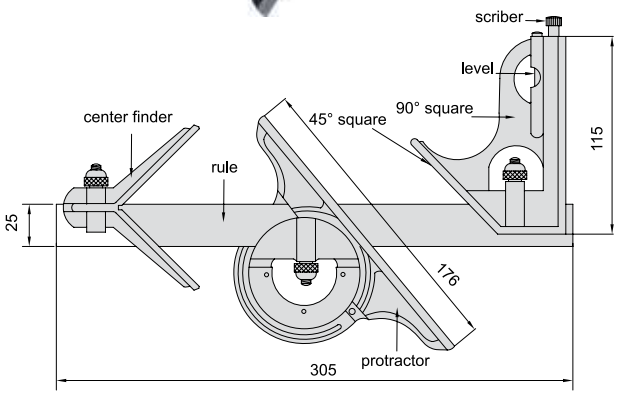
SERIES 817 סט קומביניישן

- Protractor:
  Used to set an angle or angle measurement,
  measuring range: 0-180°, accuracy: ±7'
- Square:
  Used as 90° square or 45° square
  accuracy of 90° square: ±8',
  accuracy of 45° square: ±10'
- Rule:
  Used as rule , measuring range: 300mm/12"
  front side graduation: 0.5mm and 1/32"
  reverse side graduation: 1mm and 1/64"
- Center finder:
  Used to find the cylinder center,
  accuracy: ±0.15mm

מק"ט
817-180-02

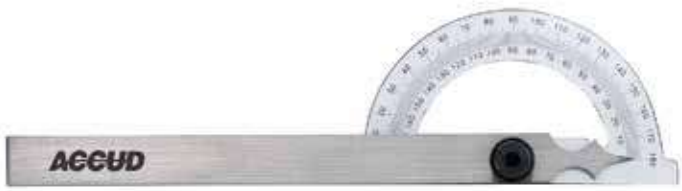


unit: mm



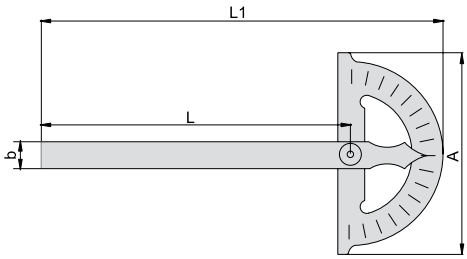
SERIES 812 מד מעלות

- Graduation : 1°
- Made of stainless steel
- Satin chrome plated scale
- With locking screw



812-003-01

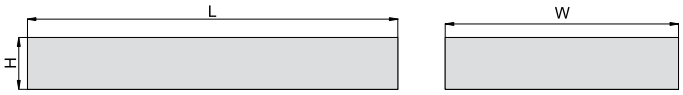
unit: mm



מק"ט	מידה (AxL)	טווח	דיוק	b	L1
812-003-01	80x120mm	0 - 180°	±0.3°	11	165
812-005-01	120x150mm	0 - 180°	±0.3°	13	215
812-006-01	150x200mm	0 - 180°	±0.3°	16	280
812-008-01	200x300mm	0 - 180°	±0.3°	20	410
812-012-01	300x500mm	0 - 180°	±0.3°	30	675

SERIES 611 פלטת גרניט

- Made of fine-grained granite
- With calibration certificate
- Customized size can be ordered





611-032-00

Grade 00

מק"ט	מידות	מישוריות	משקל
611-032-00	300x200x60mm	2.7µm	11
611-042-00	400x250x60mm	2.9µm	18
611-044-00	400x400x60mm	3.1µm	29
611-053-00	500x315x70mm	3.2µm	33
611-064-00	630x400x80mm	3.5µm	60
611-066-00	630x630x100mm	3.8µm	119
611-085-00	800x500x100mm	3.9µm	120
611-106-00	1000x630x140mm	4.4µm	265
611-107-00	1000x750x150mm	4.5µm	337
611-101-00	1000x1000x150mm	4.8µm	450
611-121-00	1200x800x160mm	4.9µm	461
611-161-00	1600x1000x180mm	5.8µm	864
611-201-00	2000x1000x220mm	6.5µm	1320
611-215-00	2000x1500x250mm	7.0µm	2250

Grade 0

מק"ט	מידות	מישוריות	משקל
611-032-10	300x200x60mm	5.4µm	11
611-042-10	400x250x60mm	5.9µm	18
611-044-10	400x400x60mm	6.3µm	29
611-053-10	500x315x70mm	6.4µm	33
611-064-10	630x400x80mm	7.0µm	60
611-066-10	630x630x100mm	7.6µm	119
611-085-10	800x500x100mm	7.8µm	120
611-106-10	1000x630x140mm	8.7µm	265
611-107-10	1000x750x150mm	9.0µm	337
611-101-10	1000x1000x150mm	9.7µm	450
611-121-10	1200x800x160mm	9.8µm	461
611-161-10	1600x1000x180mm	11.5µm	864
611-201-10	2000x1000x220mm	12.9µm	1320
611-215-10	2000x1500x250mm	14.0µm	2250

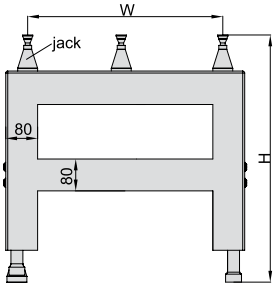
SERIES 621 מעמד לפלטת גרניט

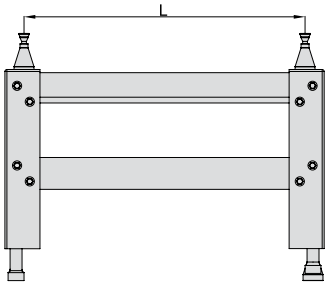
- For medium size granite surface plates
- Adjusting range of jacks: 10mm
- One foot on the bottom is adjustable
- The height can be made under customer requirement

מק"ט	L	W	H	תואם לפלטה במידות
621-064-01	352	224	700-710	630x400x80mm
621-066-01	352	352	700-710	630x630x100mm
621-085-01	448	280	700-710	800x500x100mm
621-106-01	560	352	685-695	1000x630x140mm
621-107-01	560	416	685-695	1000x750x150mm
621-101-01	560	560	685-695	1000x1000x150mm
621-121-01	672	448	685-695	1200x800x160mm
621-161-01	896	560	585-595	1600x1000x180mm



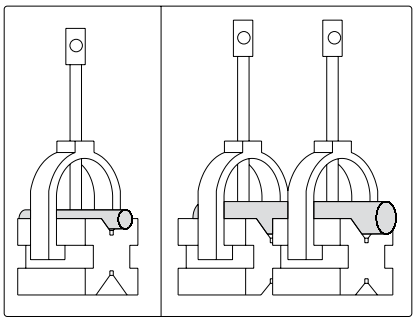
621-064-01





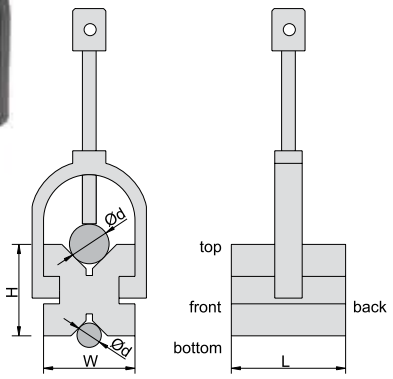
SERIES 636 סט V-BLOCK

- Hold cylindrical workpieces for inspection and machining
- Two V-blocks per set
- V groove on the top for large shafts
- V groove on the bottom for small shafts





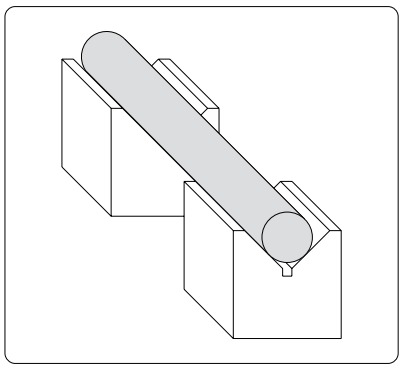
636-045-01



מק"ט	מידות (LxWxH)	For shaft range(Ød)	V grooves to top and bottom sides parallelism	V grooves to front and back sides squareness	Height difference of a matched pair
636-045-01	45x41x35mm	5 - 40mm	5µm	5µm	5µm
636-070-01	70x63x44mm	7 - 60mm	5µm	5µm	5µm
636-125-01	125x90x70mm	7 - 90mm	5µm	5µm	5µm

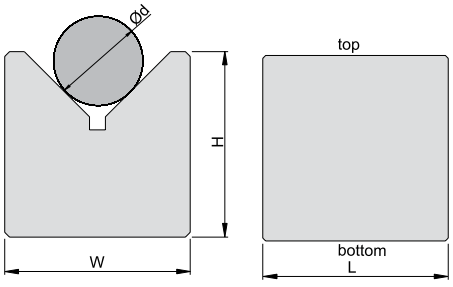
SERIES 631 גרניט V-BLOCK

- Supplied a pair, for holding long cylindrical workpiece





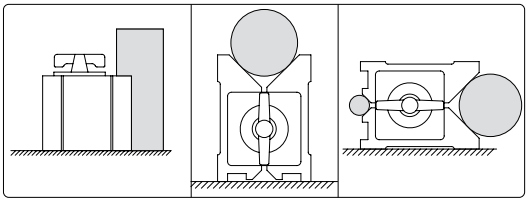
631-075-01



מק"ט	מידות (LxWxH)	For shaft range(Ød)	Parallelism between top and bottom, left and right	Height difference between a pair
631-075-01	50x70x70mm	6 - 75mm	5µm	5µm
631-099-01	50x100x70mm	6 - 99mm	5µm	5µm

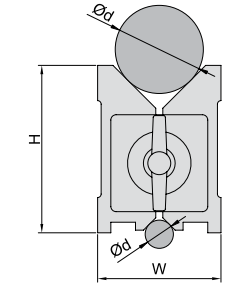
SERIES 634 מגנטי V-BLOCK

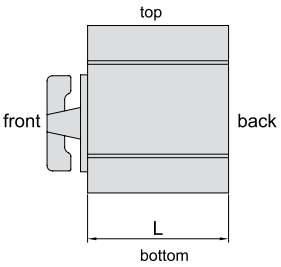
- Hold cylindrical workpiece for inspection and machining
- Top groove for large shafts
- Bottom grooves for small shafts





634-067-01





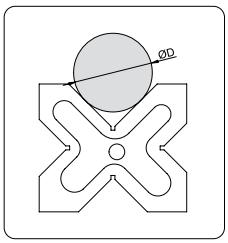
מק"ט	Size(LxWxH)	For shaft range(Ød)	Magnetic force	V-grooves and back side squareness	Top side and bottom side parallelism
634-067-01	80x70x95mm	6 - 67mm	64kgf	10μm	10μm
634-067-02	100x70x95mm	6 - 67mm	80kgf	10μm	10μm
634-067-03	120x70x95mm	6 - 67mm	96kgf	10μm	10μm

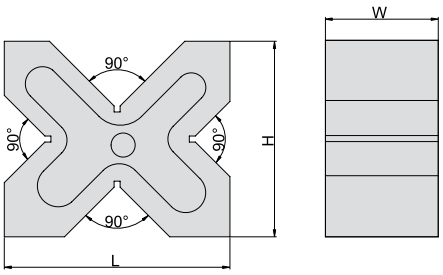
SERIES 630 סט V-BLOCK

- For positioning cylindrical workpieces
- Two V-blocks per set
- Each V-block has four 90° V-grooves
- Hardness HB 170-241



630-006-11

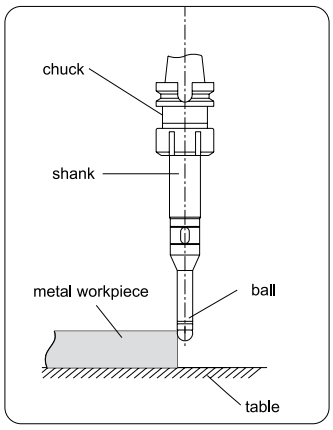


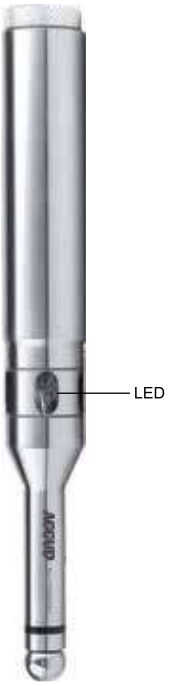


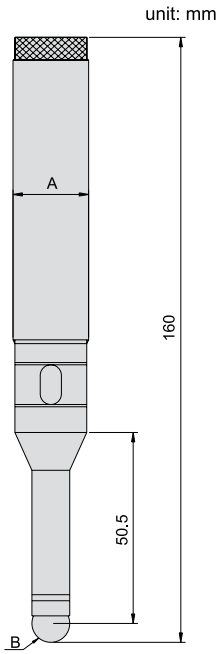
מק"ט	Size(LxHxW)	Range of shafts(Ød)	Parallelism of four grooves to all sides	Height difference of a matched pair
630-006-11	150×130×75mm	8-120mm	15μm	20μm
630-008-11	200×170×90mm	12-180mm	15μm	20μm

SERIES 692 מוצא פינה אלקטרוני

- The LED will be light when the ball contacts the workpiece
- Not suitable for rotating use



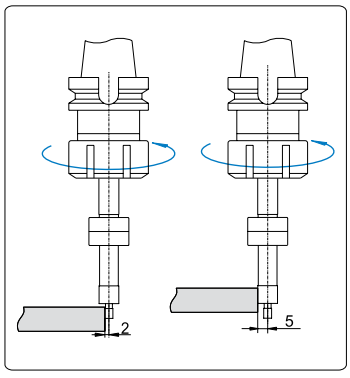




מק"ט	קנה	Contact point (B)	דיוק
692-010-03N	Ø20mm	SØ10mm	5µm
692-010-32	Ø32mm	SØ10mm	5µm

SERIES 694 מוצא פינה מכני

- Non-magnetic
- TIALN coating, hardness HV3500; TIN coating, hardness Hv2300, extremely wear resistance
- Suitable for machine speed 400~600rpm





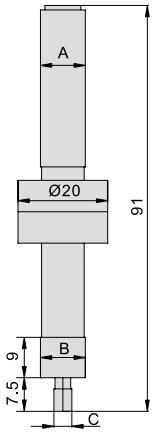
694-020-01N



694-020-02



694-020-03

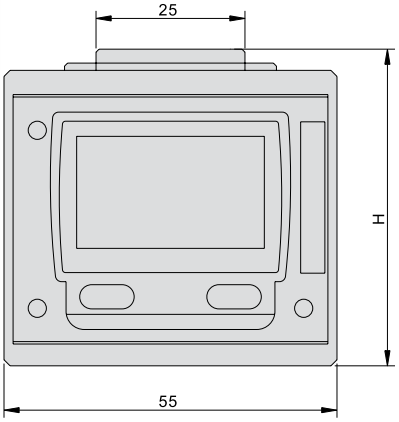


מק"ט	קנה	Contact point (B)	Contact point (C)	דיוק
694-020-01N	Ø10mm	Ø10mm	Ø4mm	5µm
694-020-02	Ø10mm	Ø10mm	Ø4mm	5µm
694-020-03	Ø10mm	Ø10mm	Ø4mm	5µm

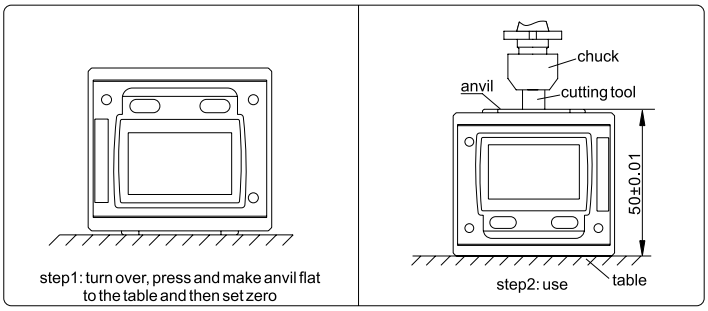
SERIES 697 מאפס גובה דיגיטלי

- IP65 protection level
- Magnetic base
- With backlight, will turn on automatically when close to zero (±0.002mm)
- Turn off automatically





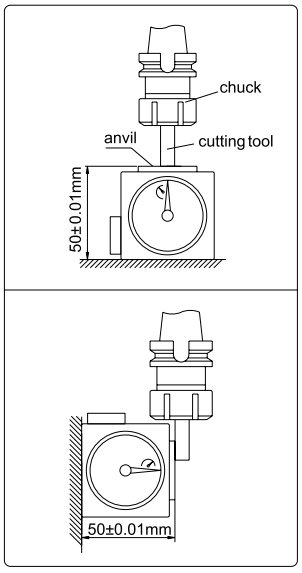
Application



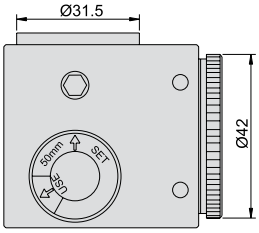
מק"ט	דיוק
697-050-01	±10µm

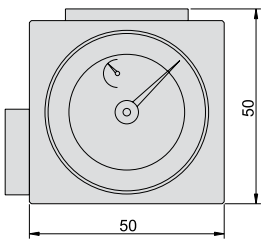
SERIES 695 מאפס גובה מכני

- Magnetic base









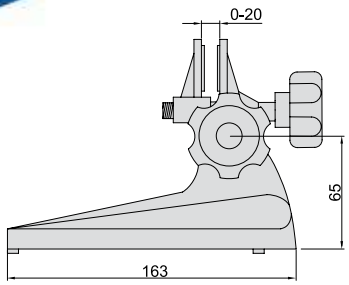
מק"ט	דיוק
695-050-01	±10µm

SERIES 381 בסיס למיקרומטר

- For micrometers which measuring range is less than 100mm







מק"ט
381-000-00

SERIES RC30 מד טיב שטח

- For checking, identifying and specifying the roughness by symbol
- Accuracy: -17% ~ +12%



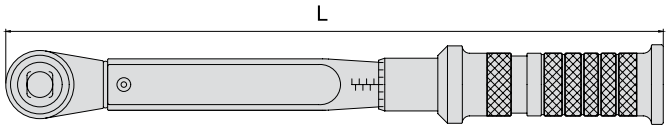
Machining method	Quantity	Roughness (Ra)
Flat lapping	2	0.1, 0.05μm
External grinding	4	0.2, 0.4, 0.8, 1.6μm
Plain grinding	6	0.05, 0.1, 0.2, 0.4, 0.8, 1.6μm
Horizontal milling	6	0.4, 0.8, 1.6, 3.2, 6.3, 12.5μm
Vertical milling	6	0.4, 0.8, 1.6, 3.2, 6.3, 12.5μm
Turning	6	0.4, 0.8, 1.6, 3.2, 6.3, 12.5μm

SERIES TWM ידיות טורק

- Easy to set the torque value
- Accuracy: ± 4%
- According to ISO6789, ASMEB107. 14



TWM25



TWM340	TWM200	TWM100	TWM50	TWM25	מק"ט
70 ~ 340N.m	40 ~ 200N.m	20 ~ 100N.m	10 ~ 50N.m	5 ~ 25N.m	טווח
1/2"	1/2"	3/8"	3/8"	3/8"	הינע
695mm	505mm	380mm	275mm	275mm	אורך
1.9kg	1.3kg	580g	420g	420g	משקל

SERIES TWM-B ידיות טורק דגם אקו

- Economic type
- Easy to set the torque value
- Accuracy: ±4%(clockwise)
- According to ISO6789, ASMEB107. 14



TWM25B

TWM330B	TWM210B	TWM110C	TWM110B	TWM60D	TWM60B	TWM25B	מק"ט
66 ~ 330	42 ~ 210	22 ~ 110	22 ~ 110	12 ~ 60	12 ~ 60	5 ~ 25	טווח
1/2"	1/2"	1/2"	3/8"	1/2"	3/8"	1/4"	הינע
565mm	490mm	470mm	460mm	425mm	415mm	250mm	אורך
1.34kg	1.26kg	1.17kg	1.06kg	980g	920g	350g	משקל

TWM3000B	TWM2000B	TWM1500B	TWM1000B	TWM800B	TWM550B	מק"ט
600 ~ 3000	400 ~ 2000	300 ~ 1500	200 ~ 1000	160 ~ 800	110 ~ 550	טווח
1"	1"	1"	3/4"	3/4"	3/4"	הינע
1260mm	1260mm	1260mm	1200mm	1200mm	900mm	אורך
10.5kg	9.2kg	9.2kg	5.6kg	5.6kg	4.3kg	משקל

SERIES TWD ידיות טורק שעון

- Clockwise and counter-clockwise operation
- Comforms to DIN ISO 6789, ASME B107.300



TWD70

TWD350	TWD240	TWD140	TWD70	TWD35	TWD18	TWD9	TWD3	מק"ט
"70~350N.m 50~250ft.lb"	"48~240N.m 35~175ft.lb"	"28~140N.m 20~100ft.lb"	"14~70N.m 120~600in.lb"	"7~35N.m 60~300in.lb"	"3.6~18N.m 30~150in.lb"	"1.8~9N.m 15~75in.lb"	"0.7~3.5N.m 6~30in.lb"	טווח
±3%	±3%	±3%	±3%	±3%	±3%	±3%	±3%	קריאה
"2.5N.m 2.5ft.lb"	"3N.m 2.5ft.lb"	"2N.m 1ft.lb"	"1N.m 10in.lb"	"0.5N.m 5in.lb"	"0.2N.m 2in.lb"	"0.1N.m 1in.lb"	"0.05N.m 0.5in.lb"	דיוק
1/2"	1/2"	1/2"	3/8"	3/8"	3/8"	1/4"	1/4"	הינע
546mm	546mm	546mm	378mm	254mm	254mm	254mm	254mm	אורך
1300g	1300g	1300g	820g	480g	480g	480g	480g	משקל

SERIES TWI/TWF ידיות טורק

- Easy to set the torque value
- According to ISO6789, ASMEB107.300
- Metal construction

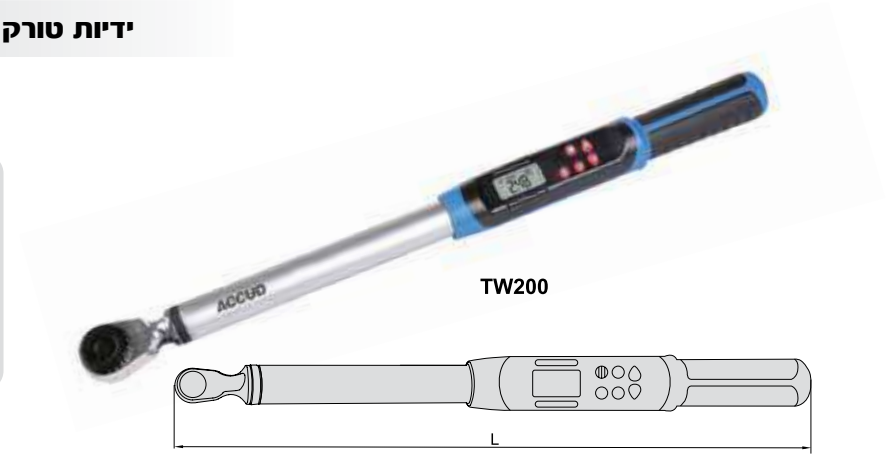


TWF150

TWF600	TWF250	TWF150	TWF100	TWI250	TWI200	מק"ט
100 ~ 600lb.ft	50 ~ 250lb.ft	30 ~ 150lb.ft	20 ~ 100lb.ft	50 ~ 250lb.in	40 ~ 200lb.in	טווח
2.5lb.ft	1lb.ft	0.5lb.ft	0.5lb.ft	1lb.in	1lb.in	קריאה
±4%	±3%	±3%	±3%	±3%	±3%	דיוק
3/4"	1/2"	1/2"	3/8"	3/8"	1/4"	הינע
41.5"	26.7"	20"	16.7"	12.4"	11"	אורך
13lb	2.9lb	2.6lb	2.3lb	1.8lb	1.5lb	משקל

SERIES TW ידיות טורק דיגיטליות

- Clockwise or anti-clockwise operation
- Unit: N.m, in.lb, ft.lb, kg.cm
- Peak or real-time working mode
- Automatic power off
- With calibration certificate



TW200

מק"ט		TW12	TW20	TW30	TW135	TW200	TW340	TW550	TW850	TW1500	TW2000
טווח		2.4 ~ 12	4 ~ 20	6 ~ 30	27 ~ 135	40 ~ 200	68 ~ 340	110 ~ 550	170 ~ 850	300 ~ 1500	400 ~ 2000
קריאה		0.01N.m	0.01N.m	0.1N.m	0.1N.m	1N.m	1N.m	1N.m	1N.m	1N.m	1N.m
דיוק	Clockwise	±3%	±3%	±2%	±2%	±2%	±2%	±2.5%	±2.5%	±2.5%	±2.5%
	Anti-clockwise	±4%	±4%	±3%	±3%	±3%	±3%	±3.5%	±3.5%	±3.5%	±3.5%
הינע		1/4"	1/4"	1/4"	3/8"	1/2"	1/2"	3/4"	3/4"	1"	1"
אורך		390mm	390mm	390mm	415mm	530mm	650mm	950mm	1220mm	1800mm	1800mm
משקל		900g	900g	900g	950g	1400g	1800g	3400g	4400g	13kg	14kg
בטריה		2xAA									

SERIES STWM ידיות טורק + אביזרים במזוודה

- Accuracy: ± 4%(clockwise)



STWM25



STWM110

SPECIFICATION

	STWM25	STWM110	STWM210
מק"ט	TWM25B	TWM110C	TWM210B
טווח	5~25N.m	22~110N.m	42~210N.m
הינע	1/4"	½"	½"
אביזרים במזוודה	ביט משושה: H2-H2.5-H3-H4-H5-H6-H8 ביט טורקס: T10-T15-T20-T25-T27-T30 מאריך: 100mm	בוקסה משושה: 17-19-21-22-23mm מאריך: 125mm	
אורך ידית	250mm	460mm	490mm
משקל	790g	2200g	2300g

SERIES TWS ידיות טורק עם סקאלה N.m + Lbf.ft

- Accuracy: ±4%(clockwise)
- According to ISO6789
- Unit: N.m; Lbf.ft
- With manufacturer inspection certificate





TWS60

מק"ט	טווח (N.m)	הינע	אורך	משקל
TWS12	2.4~12	1/4"	300mm	0.58kg
TWS20	4~20	1/4"	300mm	0.58kg
TWS20B	4~20	3/8"	300mm	0.60kg
TWS30	6~30	3/8"	315mm	0.68kg
TWS60	12~60	3/8"	400mm	0.86kg
TWS60B	12~60	1/2"	415mm	0.90kg
TWS100B	20~100	1/2"	470mm	1.12kg
TWS200	40~200	1/2"	495mm	1.18kg

מק"ט	טווח (N.m)	הינע	אורך	משקל
TWS330	66~330	1/2"	555mm	1.28kg
TWS400	80~400	1/2"	725mm	1.90kg
TWS400B	80~400	3/4"	825mm	3.05kg
TWS550	110~550	3/4"	825mm	3.93kg
TWS1000	200~1000	3/4"	1115mm	5.28kg
TWS1500	300~1500	1"	1250mm	8.20kg
TWS2000	400~2000	1"	1250mm	8.20kg
TWS3000	600~3000	1"	1250mm	9.50kg

SERIES TQM מברג טורק

- Clockwise operation
- When achieving the setting target, there is "chatter"



TQM300

TQM600	TQM300	TQM120	TQM60	מק"ט
1.2 ~ 6N.m	0.6 ~ 3N.m	0.24 ~ 1.2N.m	0.12 ~ 0.6N.m	**טווח**
±6%	±6%	±6%	±6%	**דיוק**
0.1N.m	0.05N.m	0.02N.m	0.01N.m	**קריאה**
1/4"	1/4"	1/4"	1/4"	**Size of shank**
186mm	186mm	161mm	161mm	**אורך**
400g	400g	300g	300g	**משקל**

SERIES 261 פופיטסט

- Jeweled bearing
- Double scale spacing
- Anti-magnetic copper body
- With two clamps: Ø4mm and Ø8mm

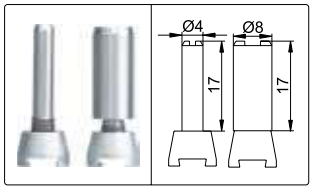


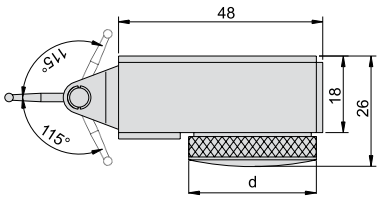
261-008-12

Application

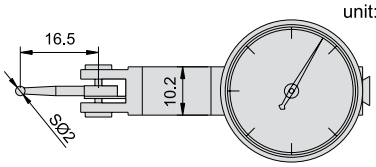


Clamps **(included)**





unit: mm



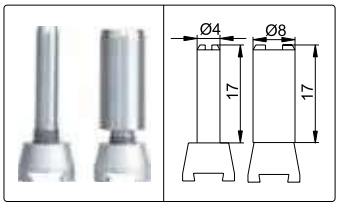
מק"ט	טווח	קוטר	קריאה	מחט	דיוק	Hysteresis	סקאלה
261-008-11	0.8mm	Ø30mm	0.01mm	carbide	13µm	3µm	0-40-0
261-008-12	0.8mm	Ø37.5mm	0.01mm	carbide	13µm	3µm	0-40-0

SERIES 266 פופיטסט

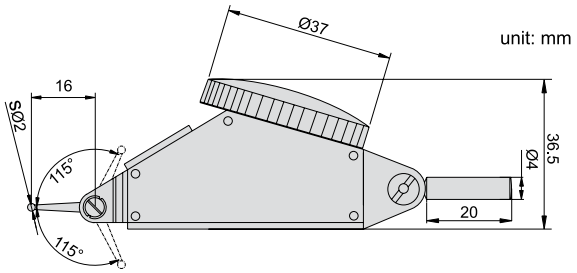
- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli



Clamps **(included)**



unit: mm



מק"ט	טווח	קריאה	דיוק	Hysteresis	סקאלה
266-016-11	1.6mm	0.01mm	25µm	8µm	0-40-0

SERIES 263 פופיטסט מחט ארוכה

- Jeweled bearing
- Double scale spacing
- Anti-magnetic copper body
- With two clamps: Ø4mm and Ø8mm

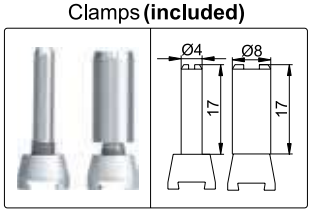


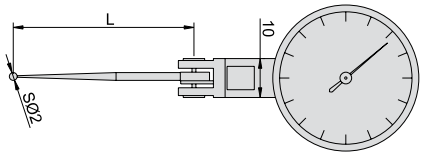
263-008-11L

Application

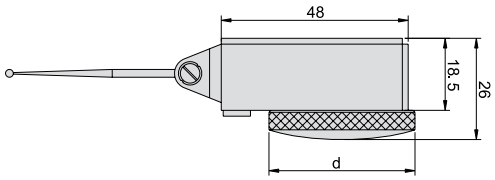


Clamps **(included)**





unit: mm

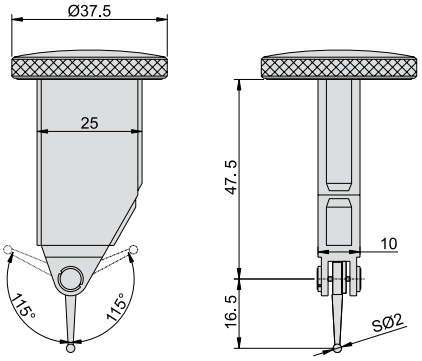


מק"ט	טווח	קוטר	קריאה	מחט	דיוק	Hysteresis	סקאלה	L
263-008-11	0.8mm	Ø37.5mm	0.01mm	carbide	13µm	3µm	0-40-0	30.5
263-008-11L	0.8mm	Ø37.5mm	0.01mm	ruby	13µm	3µm	0-40-0	46.4

SERIES 264 פופיטסט ניצב

- Jeweled bearing
- Carbide contact point
- Two measuring directions
- Anti magnetic body
- Supplied with two clamps: diameter Ø4mm and Ø8mm
- Optional accessory: styli

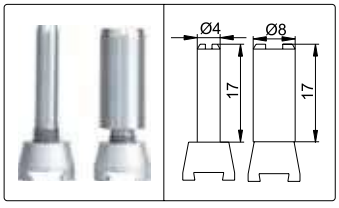




Application



Clamps **(included)**



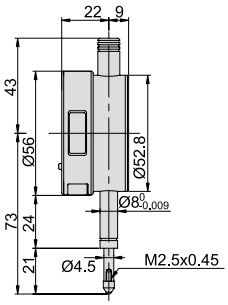
מק"ט	טווח	קריאה	דיוק	Hysteresis	סקאלה
264-008-11	0.8mm	0.01mm	13µm	3µm	0-40-0

SERIES 212 שעון אינדקטור דיגיטלי

- Button: on/off, zero, inch/mm conversion, measuring direction set, data preset absolute/incremental measurement
- Data output(cable code:200-03 or 200-04)
- Automatic power off
- Supplied with flat and lug back



212-010-13



Range: 0-12.7mm

Resolution 0.001mm/0.00005"

Code	Range	Accuracy	Hysteresis
212-010-03	12.7mm/0.5"	5μm	2μm
212-025-03	25.4mm/1"	5μm	3μm
212-050-03	50.8mm/2"	6μm	3μm

Resolution 0.01mm/0.0005"

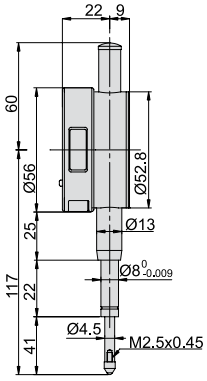
Code	Range	Accuracy	Hysteresis
212-010-13	12.7mm/0.5"	20μm	10μm
212-025-13	25.4mm/1"	20μm	10μm
212-050-13	50.8mm/2"	30μm	10μm

Styli(optional)

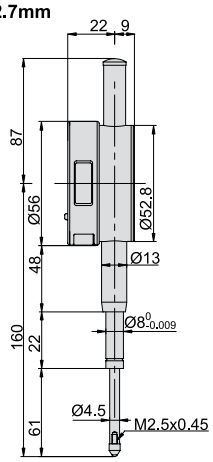


Application





Range: 0-25.4mm



Range: 0-50.8mm

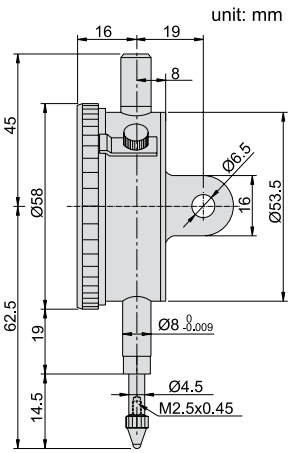
SERIES 222 שעון אינדקטור

- Graduation: 0.001mm
- With limit hands
- Jeweled bearing
- Rang per revolution: 0.2mm
- With lock screw



222-001-01

unit: mm



Styli(optional)



Application



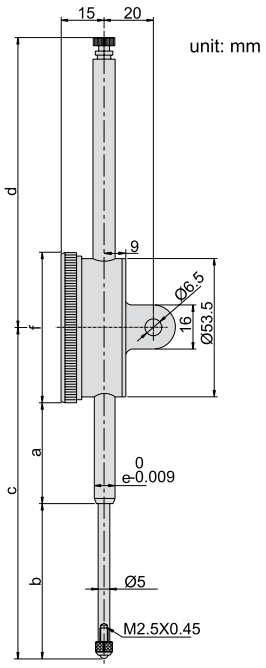
Code	Range	Back	Scale	Accuracy	Hysteresis
222-001-01	1mm	lug	0-100-0	5μm	2μm
222-001-02	1mm	flat	0-100-0	5μm	2μm

SERIES 229 שעון אינדקטור עמוק

- Graduation: 0.01mm
- With limit hands
- Rang per revolution: 1mm
- Supplied with lug and flat back



229-050-21



Styli(optional)



Application



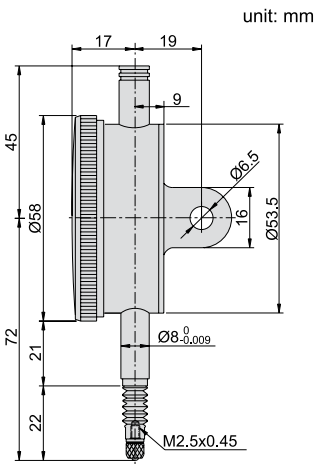
Code	Range	Accuracy	Hysteresis	Scale	a	b	c	d	e	f
229-050-21*	50mm	40µm	8µm	0-100	40mm	58mm	127mm	108mm	Ø8mm	Ø58mm
229-100-21	100mm	50µm	9µm	0-100	60mm	108mm	207mm	168mm	Ø10mm	Ø78mm

*with calibration certificate

SERIES 231 שעון אינדקטור מוגן מים

- IP54 dust/waterproof
- Graduation:0.01mm
- Jeweled bearing





Styli(optional)



Application



Code	Range	Accuracy(f_{ges})	Hysteresis(f_u)	Range/rev	Dial reading
231-010-11	10mm	17µm	3µm	1mm	0-100

SERIES 267 מחזיק לאינדקטור

- Use as holder for dial/digital indicators, dial test indicators and height gages



267-100-01

Application(optional)

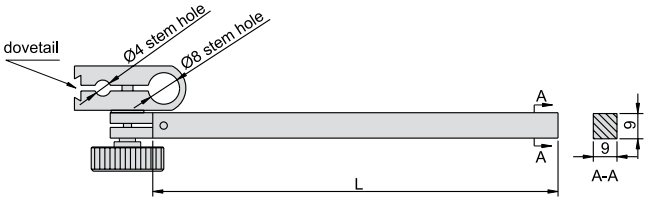


For series 261/267

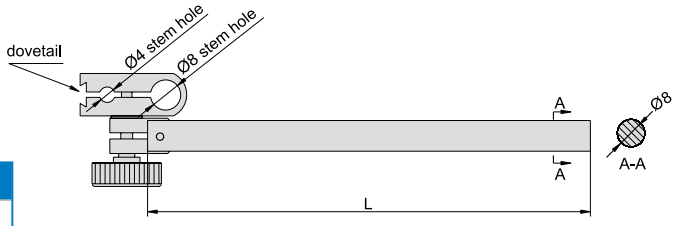


For series 267/222

unit: mm



267-050-01 and 267-100-01



267-115-02

Code	Section size	Size(L)
267-050-01	9x9mm	50mm
267-100-01	9x9mm	100mm
267-115-02	Ø8mm	115mm

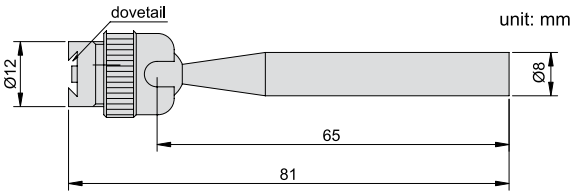
SERIES 268 מחזיק אוניברסלי לאינדקטור

- Universal head



Application





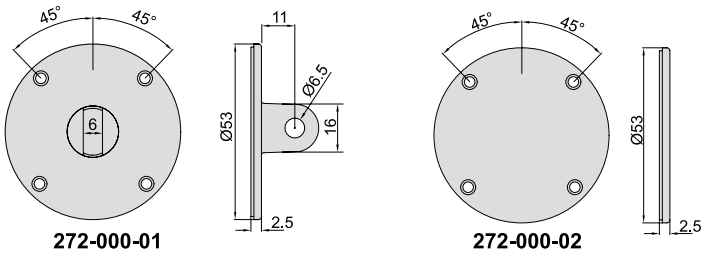
Code	Section size
268-055-01	Ø8mm

SERIES 272 גב לאינדקטור



272-000-01

unit: mm



Code	Tpye	Material
272-000-01	lug	metal
272-000-02	flat	plastic
272-000-03	lug	metal
272-000-04	flat	plastic

SERIES 269 מחזיק לפופיטסט

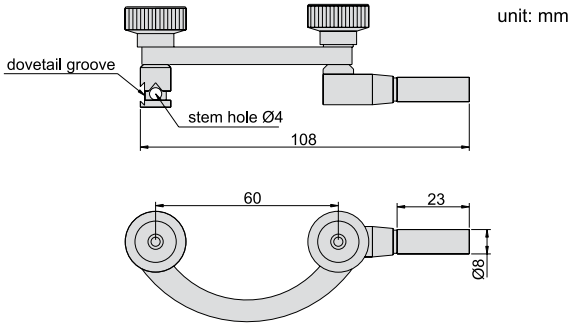
- Center cylinders or holes on a machine tool



Application



unit: mm



Code
269-060-01

SERIES 685 מחזיק לפופיטסט

- Center cylinders or holes on machine tools
- Can be used with dial test indicators

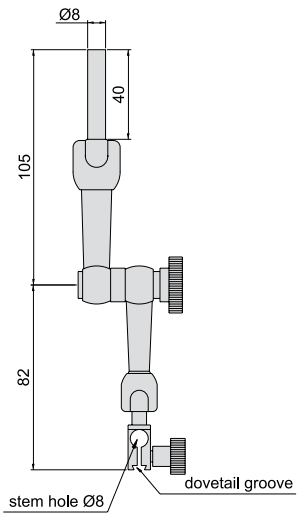
Application



Code
685-040-01



unit: mm



SERIES 686 מחזיק לאינדיקטור

- Center cylinders or holes on machine tools
- Can be used with dial test indicators or dial indicators

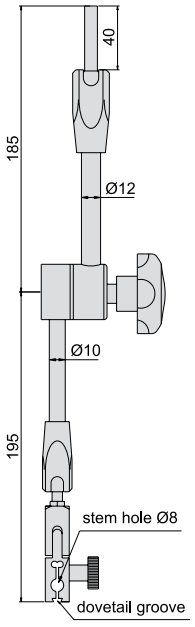
Application



Code
686-080-01



unit: mm



felo UNIOR®

כלי עבודה



מטרסו הפצה WIDIA ישראל

מברגי טורק פלו גרמניה עם מומנט מותאם לסגירת לוחיות בכלי חיתוך



100 



סט 14 חלקים טווח:
0,6 - 1,5 Nm.

		מק"ט
		100 991 16
(11 x)	Torx® 6 / Torx® 7 / Torx® 8	
	6 IP/ 7 IP / 8 IP / 9 IP	
	3,0 x 0,5 / 3,5 x 0,6	
	PH 0	
	PZ 0	
	מתאם לביטים	
	0,6 Nm - 1,5 Nm ידית	
	מפתח אלן	





טווח					מק"ט לידית בלבד
0,6 - 1,5 Nm		105	32	1	**100 001 06**

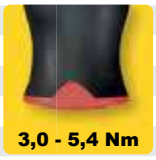
סט 14 חלקים טווח:
1,5 - 3,0 Nm.

		מק"ט
		100 992 16
(11 x)	Torx® 9 / Torx® 10 / Torx® 15	
	4,0 x 0,8	
	PH 1 / PH 2	
	PZ 1 / PZ 2	
	PZ 0	
	מתאם לביטים	
	1,5 Nm – 3,0 Nm ידית	
	מפתח אלן	



סט 14 חלקים טווח:
3,0 - 5,4 Nm.

		מק"ט
		100 993 16
(11 x)	Torx® 15 / Torx® 20 / Torx® 25	
	9 IP / 10 IP / 15 IP	
	4,0 x 0,8	
	PH 1 / PH 2	
	PZ 1 / PZ 2	
	מתאם לביטים	
	3,0 Nm - 5,4 Nm ידית	
	מפתח אלן	





טווח					מק"ט לידית בלבד
1,5 - 3,0 Nm		105	32	1	**100 002 06**



טווח					מק"ט לידית בלבד
3,0 - 5,4 Nm		105	32	1	**100 003 06**









סדרה
590
פלייר

מק"ט	
590 018 40	180 mm





סדרה
591
קטר

מק"ט	
591 018 40	180 mm





PIANO
קטר H.D

מק"ט	
591 118 40	180 mm





סדרה
592
פלייר אף
ארוך ישר

מק"ט	
592 020 40	205 mm





סדרה
592
פלייר אף
ארוך מכווץ
45°

מק"ט	
592 220 40	205 mm



סדרה
593
חיצוני ישר

מק"ט	
593 010 40	10 - 25 mm
593 019 40	19 - 60 mm
593 040 40	40 - 100 mm
593 085 40	85 - 140 mm



סדרה
593
פנימי מכופף
90°

מק"ט	
593 210 40	10 - 25 mm
593 219 40	19 - 60 mm
593 240 40	40 - 100 mm
593 285 40	85 - 140 mm



סדרה
594
פנימי ישר

מק"ט	
594 008 40	8 - 13 mm
594 012 40	12 - 25 mm
594 019 40	19 - 60 mm
594 040 40	40 - 100 mm
594 085 40	85 - 140 mm



סדרה
594
פנימי מכופף
90°

מק"ט	
594 212 40	12 - 25 mm
594 219 40	19 - 60 mm
594 240 40	40 - 100 mm
594 285 40	85 - 140 mm

felo Innovations

סט מברג ראצ׳ט זוית משתנה עד 90°

060 720 06

	Ergonic K Box 20-pcs.
(12 x)	**Bits** E6,3 x 50 mm
	6,5 x 1,2
	PZ 1 / PZ 2 / PZ 3
	PH 0 / PH 1 / PH 2 / PH 3
	Torx® 15 / Torx® 20 / Torx® 25 / Torx® 30
(5 x)	**Sockets**
	7 / 8 / 10 / 12 / 13 mm
	Ergonic K Handle 181 x 38,5 mm
	Adapter E6,3 – 1/4" (50 mm)
	Bitholder E6,3 x 150 mm
	StrongBox 230 x 130 x 56 mm







felo Innovations

סט מברג ידית T, זוית משתנה עד 90°

060 813 06

Felo-SMART	**Box 13-pcs.**
(12 x)	**Blade**
	PZ 1 – 5,0 x 0,8 / PZ 2 – 6,0 x 1,0 / PZ 3 – 7,0 x 1,2 / PH 1 – 4,0 x 0,8 / PH 2 – PH 3
	3 mm – 4 mm / 5 mm – 6 mm
	Torx® 6 – Torx® 7 / Torx® 8 – Torx® 9 / Torx® 10 – Torx® 15 / Torx® 20 – Torx® 25 / Torx® 30 – Torx® 40
	Handle 105 x 39 mm
	StrongBox 230 x 130 x 56 mm





felo Innovations

סט מברג מתחלף 14 - 1000V יח׳

063 913 16

Felo E-SMART Industry	**Box 14-pcs.**
(10 x)	**Blade**
	2,5 x 0,4 / 3,0 x 0,5 / 3,5 x 0,6 / 4,0 x 0,8 / 5,5 x 1,0 / 6,5 x 1,2
	PZ 2
	PH 1 / 2
	Z 2
	Bit: Spanner 10 x 25
	Universal Cabinet key
	Handle 95 x 32 mm
	Precision Cap
	StrongBox 230 x 130 x 56 mm









AC 1000V
IEC 60900 : 2012

felo Innovations

020 730 06 — סט מברג מתחלף - 30 יח׳

Bits 30	**30-pcs.**
(28 x)	**Bits** C6,3 x 25 mm
	3,0 x 0,5 / 4,5 x 0,6 / 5,5 x 0,8 / 6,5 x 1,2
	2 mm / 3 mm / 4 mm / 5 mm / 6 mm
	PZ 1 / PZ 2 / PZ 3
	PH 0 / PH 1 / PH 2 / PH 3
	Torx® 5 / Torx® 6 / Torx® 7 / Torx® 8/ Torx® 10 / Torx® 15 / Torx® 20 / Torx® 25 / Torx® 30 / Torx® 40
	Spanner 6 / Spanner 8
	ERGONIC Stubby 1/4"
	Bitholder E6,3 x 58 mm



felo Innovations

057 733 06 — סט מיני ראצ׳ט דרייב 1/4 - 33 יח׳

XS 33	**33-pcs.**
	Mini Ratchet 1/4"
(30 x)	**Bits** (C6,3 x 25 mm)
	3,0 x 0,5 / 5,0 x 0,8 / 6,5 x 1,2
	2 / 2,5 / 3 / 4 / 5 / 6 / 8 mm
	PH 0 / PH 1 / 2 x PH 2 / PH 3
	PZ 1 / 2 x PZ 2 / PZ 3
	Torx® 6 / Torx® 7 / Torx® 8 / Torx® 9
	Torx® TR 10 / Torx® TR 15 / Torx® TR 20 / Torx® TR 25 / Torx® TR 27 / Torx® TR 30 / Torx® TR 40
	Adapter C 6,3 - 1/4" (25 mm)





felo Innovations

057 836 16 — סט בוקסות דרייב 1/4 - 36 יח׳

R-GO XL	**Box, 36-pcs.**
	ERGONIC Ratchet 1/4"
(13 x)	**ERGONIC Stubby 1/4"**
	Sockets
(15 x)	4 / 4,5 / 5 / 5,5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 mm
	Bits (C6,3 x 25 mm)
	4,5 x 0,6 / 5,5 x 1,0
	4 / 5 / 6 mm
	PH 1 / 2 / 3
	PZ 1 / 2
	Torx® 10 / 15/ 20/ 25/ 30
	Extension (100 mm) 1/4" - 1/4"
	Extension (50 mm) 1/4" - 1/4"

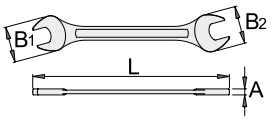


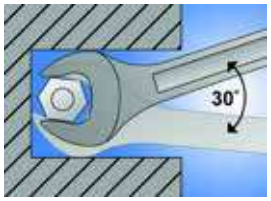


110/1

מפתח פתוח פתוח אינצ'י ומילימטרי







מק"ט	⬡	L	B1	B2	A	🔒
603316	4 x 4.5	100	14	14	3.4	10
603317	4 x 5	100	14	14	3.4	10
603318	5 x 5.5	100	14	14	3.4	10
600060	5.5 x 7	121	14.4	16.4	3.4	15
600061	6 x 7	121	14.4	16.4	3.4	15
600062	7 x 8	140	18.4	22.9	3.7	24
600064	8 x 9	140	18.4	22.9	3.7	24
600065	8 x 10	140	18.4	22.9	3.7	23
600066	9 x 10	159	22.7	24.2	4.5	43
600067	9 x 11	159	22.7	24.2	4.5	40
600068	10 x 11	159	22.7	24.2	4.5	40
600069	10 x 12	172	26.2	29.2	4.9	58
600070	10 x 13	172	26.2	29.2	4.9	59
600072	11 x 13	172	26.2	29.2	4.9	58
600074	12 x 13	172	26.2	29.2	4.9	58
600075	12 x 14	172	26.2	29.2	4.9	58
600076	13 x 14	192	31.2	33.2	5.4	81
600077	13 x 15	192	31.2	33.2	5.4	84
600078	13 x 17	200	31.2	37.7	5.7	101
600079	14 x 15	192	31.2	33.2	5.4	83

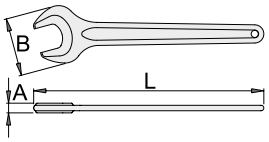
מק"ט	⬡	L	B1	B2	A	🔒
600080	14 x 17	200	31.2	37.7	5.7	101
600081	15 x 17	206	35.7	37.7	5.7	108
600082	16 x 17	206	35.7	37,7	5.7	108
600083	17 x 19	223	39.5	41.5	6.2	143
600084	17 x 22	232	43,5	46	6.2	193
600085	18 x 19	223	39.5	41.5	6.2	148
600086	19 x 22	232	43.5	46	6.7	183
600088	20 x 22	232	43.5	46	6.7	180
600089	21 x 23	249	46	52	7.2	235
600090	22 x 24	249	46	52	7.2	237
600091	22 x 27	265	51,8	55,3	7.2	301
600092	24 x 26	265	51.8	55.3	7.7	289
600093	24 x 27	265	53.8	51,8	7.7	289
600095	25 x 28	279	62.8	53,8	8.2	344
600096	27 x 29	309	62.8	67.3	9.2	535
600097	27 x 30	309	62.8	67.3	9.2	527
600098	27 x 32	309	62.8	67.3	9.2	541
600099	30 x 32	309	62.8	67.3	9.2	532
603848	30 x 34	315	62.8	68.8	9.6	568
602593	30 x 36	319	62.8	78.8	9.6	591

מק"ט	⬡	L	B1	B2	A	🔒
600100	32 x 36	327	68.8	78.8	9.6	653
600101	34 x 36	327	68.8	78.8	9.6	628
600102	36 x 41	360	78.8	86.8	9.6	823
605549	38 x 42	360	78.8	86.8	9.6	822
602594	41 x 46	410	86.8	94.8	14.6	1735
602595	46 x 50	460	94.8	103.9	15.6	2365
605348	1/4" x 5/16"	121	14.4	16.4	3.4	15
605349	5/16" x 3/8"	140	18.4	22.9	3.7	24
605350	3/8" x 7/16"	159	22.7	24.2	4.5	40
605351	7/16" x 1/2"	172	26.3	29.2	4.9	58
605352	1/2" x 9/16"	192	31.2	33.2	5.4	81
605353	9/16" x 5/8"	192	31.2	33.2	5.4	83
605354	5/8" x 11/16"	206	35.7	37.7	5.7	108
605355	11/16" x 3/4"	223	39.5	41.5	6.2	143
605356	13/16" x 7/8"	249	46	52	7.2	237
605357	15/16" x 1"	265	51.8	55.3	7.7	301
605358	1" x 1.1/8	279	53.8	58.8	8.2	344
605359	1.1/16" x 1.1/4"	309	62.8	67.3	9.2	527

117/4

מפתח פתוח צד אחד מילימטרי





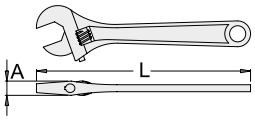
מק"ט	⬡	L	A	B	🔒
615262	10	104	4.5	22	21
620207	12	123	5	26	29
615263	13	132	5.4	28	35
615264	17	157	6,5	36	68
615265	19	170	6.9	40	78
615267	22	195	7.9	46	106
615268	24	218	9,2	50	147
615269	27	240	9.7	56	192
615270	30	267	11,1	63	297
615271	32	267	11.7	66	297
615272	34	295	12,5	74	399
615273	36	295	12.5	74	438

מק"ט	⬡	L	A	B	🔒
615274	38	295	12.5	74	390
615275	41	335	13.5	84	537
615276	46	365	14.5	94	747
615277	50	400	15.5	102	890
615278	55	475	16	110	1170
615279	60	475	17	120	1365
615280	65	550	18	130	1665
615281	70	550	19	140	1995
615282	75	620	20	150	2995
615283	80	665	21	160	3895
615285	90	740	23	190	4795

250/1

מפתח שוודי כרום



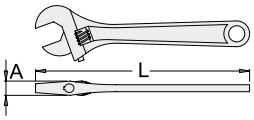


מק"ט		L	A		
611917	100	110	9.8	17	61
611918	150	155.5	11.5	23	133
601016	200	205	12,6	28	243
601017	250	254	16	32	439
601018	300	305	19	38	702
601019	380	380	25	50	1315
605113	450	458	26.3	60	1730
615148	600	610	30	70	3240

251/4

מפתח שוודי שחור



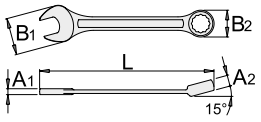


מק"ט		L	A		
612870	150	155.7	11.7	20	137
612871	200	204.3	14.4	25	257
612872	250	254	16.9	30	447
612873	300	303.5	19.1	36	700

120/1

מפתח רינג פתוח ארוך אינצ'י ומילימטרי





מק"ט		L	B2	B1	A2	A1	
616745	3.2	105	8	14	4	3.2	11
616746	4	105	8	14	4	3.2	11
616747	4.5	105	8	14	4	3.2	7
616748	5	119	10.4	14.5	5	3.5	7
616749	5.5	119	10.4	14.5	5	3.5	15
600357	6	119	10.4	14.5	5	3.5	14
600358	7	129	11.5	16.5	5.8	3.9	15
600359	8	141	13.2	18.5	6.9	3.9	23
600360	9	152	14.3	21	7.3	4	27
600361	10	163	15.9	23	7.5	4.2	37
600362	11	176	17.8	24.5	8	4.5	45
600363	12	186	19.4	26.5	8.5	4.7	55
600364	13	199	20.4	29.5	8.5	5.2	68
600365	14	210	22	31.5	9	5.2	82
600366	15	222	23.2	33.5	9.5	5.7	96
600367	16	234	24.8	36	10.5	6.2	121
600368	17	245	26.1	38	10.5	6.7	144
600369	18	257	27.7	40	11	7.2	165
600370	19	268	29.3	42	12	7.2	186
600371	20	280	31	44	12.5	7.7	225
600372	21	291	32.6	45.5	13	8.2	251
600373	22	303	34.1	46.5	13	8.2	266
600374	23	314	35.7	50.5	13	8.2	300

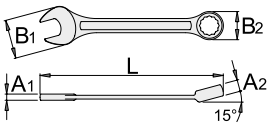
מק"ט		L	B2	B1	A2	A1	
600375	24	330	37.3	52.5	14	8.5	382
600376	25	337	39	54.5	14.5	8.5	377
600377	26	349	40.1	56	15	8.5	422
600378	27	360	41.6	57.5	15	9	453
600379	28	373	43.2	59.5	15.5	9	532
600380	29	383	44.9	61.5	16	9.5	567
600381	30	395	46.5	63.5	16	10	632
600382	32	416	49	68	16.5	10.5	719
607019	35	500	53.5	78.8	20	13.6	1405
602601	36	500	53.5	78.8	20	13.6	1415
605838	38	515	58	82.8	20.5	14.1	1310
602602	41	540	62	86.8	21	14.6	1984
618514	46	560	69	94	23	16	2445
618517	50	580	75	103	24	17	1955
616752	55	600	83	112	26	18	3395
616753	60	620	91	120	28	20	4120
616754	65	640	100	130	30	21	5205
616755	70	660	108	140	32	23	5995
616756	75	680	116	150	34	24	6995
616757	80	700	124	160	36	26	8595
618491	1/4"	119	10.4	14.5	5	3.5	14
618492	5/16"	142	13.2	18.5	6.9	3.9	23
618493	3/8"	153	14.3	21	7.3	4	27

מק"ט		L	B2	B1	A2	A1	
618494	7/16"	176	17.8	24.5	8	4.5	45
618495	1/2"	199	20.4	29.5	8.5	5.2	68
618496	9/16"	211	22	31.5	9	5.2	82
618497	5/8"	234	24.8	36	10.5	6.2	121
618498	11/16"	245	26.1	38	10.5	6.7	144
618499	3/4"	268	29.3	42	12	7.2	186
618500	13/16"	291	32.6	45.5	13	8.2	251
618501	7/8"	303	34.1	46.5	13	8.2	266
618502	15/16"	330	37.3	52.5	14	8.5	382
618503	1"	337	39	54.5	14.5	8.5	377
618504	1.1/16"	360	41.6	57.5	15	9	453
618505	1.1/8"	372	43.2	59.5	15.5	9	532
618506	1.1/4"	417	49	68	16.5	10.5	719
618507	1.5/16"	417	49	68	16.5	10.5	732
618508	1.3/8"	500	53.5	78.8	20	13.6	1425
618509	1.7/16"	500	53.5	78.8	20	13.6	1395
618510	1.1/2"	500	53.5	78.8	20	13.6	1335
618511	1.5/8"	540	62	86.8	21	14.6	2000
618512	1.11/16"	540	62	86.8	21	14.6	1960
618513	1.3/4"	560	69	94	23	16	2435
618515	1.13/16"	560	69	94	23	16	2495
618516	1.7/8"	560	69	94	23	16	2445
618518	2"	580	75	103	24	17	2985

125/1

מפתח רינג פתוח קצר



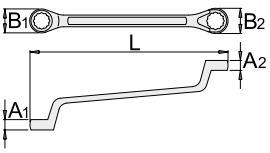


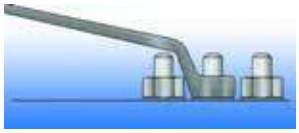
מק"ט	⬡	L	B2	B1	A2	A1	
618651	5	84	5.8	12	3	3	9
618652	5.5	84	5.8	12	3	3	9
600414	6	100	10.4	14.5	5	3.5	11
600415	7	109	11.5	16.5	5.8	3.9	15
600416	8	119	13.2	18.5	6.9	3.9	20
600417	9	123	14.3	21	7.3	4	25
600418	10	128	15.9	23	7.5	4.2	29
600419	11	135	17.8	24.5	8	4.5	35
600420	12	139	19.4	26.5	8.5	4.7	45
600421	13	150	20.4	29.5	8.5	5.2	54
600422	14	160	22	31.5	9	5.2	63
600423	15	170	23.2	33.5	9.5	5.7	78
600424	16	180	24.8	36	10.5	6.2	95
600425	17	190	26.1	38	10.5	6.7	121
600426	18	200	27.7	40	11	7.2	135
600427	19	210	29.3	42	12	7.2	157
600428	20	220	31	44	12.5	7.7	186
600429	21	230	32.6	45.5	13	8.2	198
600430	22	247	34.1	46.5	13	8.2	230
602089	23	250	35.7	50.5	13	8.2	254
602090	24	266	37.3	52.5	14	8.5	300
602091	25	270	39	54.5	14.5	8.5	330
602092	26	275	40.1	56	15	8.5	342
602093	27	292	41.6	57.5	15	9	365
602094	28	296	43.2	59.5	15.5	9	432
602095	29	300	44.9	61.5	16	9.5	455
602096	30	323	46.5	63.5	16	10	522
602097	32	343	49	68	16.5	10.5	602
603332	36	400	54.5	79.5	20	13.5	1115
618566	41	420	62	86.8	21	14.6	1575
618570	46	440	69	94	23	16	1985

180/1

מפתח רינג רינג







מק"ט	⬡	L	B1	B2	A1	A2	
600511	6 x 7	178	10.3	11.8	5.5	6.1	48
600512	8 x 9	190	14	15,5	6.7	7.3	60
600513	8 x 10	166	12,9	15,5	6	8	50
602663	9 x 11	205	15,5	18,5	7,3	8,4	65
600514	10 x 11	205	17	18,5	7.9	8.4	81
602997	10 x 12	210	17	20	7.9	9	86
600516	12 x 13	220	20	21,5	9	9.5	108
600517	12 x 14	205	17.7	20.3	9	10	95
600518	13 x 15	235	21,5	24	9.5	10.5	144
600519	13 x 17	258	21,5	27	9.5	11.5	172
600520	14 x 15	235	23	24	10	10.5	140
600521	14 x 17	257	19,8	23,6	10	12	173
600522	16 x 17	258	26	27	11	11.4	187
603123	16 x 18	259	22,9	25,4	11	12	205
600523	17 x 19	270	27	30	11.4	12.4	233
600524	18 x 19	270	29	30	11.9	12.4	230
600525	19 x 22	295	30	35	12.4	13.7	308
600526	20 x 22	295	32	35	12.8	13.7	320
600527	21 x 23	305	33	37	13.3	14,1	336
600528	22 x 24	315	35	38	13.7	14,6	368
600529	24 x 26	325	38	41	14.6	15,4	459
600530	24 x 27	325	38	42	14.6	15,8	453
600531	25 x 28	335	40	44	15	16,2	522
600532	27 x 29	335	42	45	15.8	16,6	589
600533	27 x 30	360	38,5	42,7	15	16	647
600534	27 x 32	360	42	49	15.8	17,8	672
600535	30 x 32	370	46	49	17	17,8	680
603124	30 x 36	395	43	48	15	18	845
600536	32 x 36	410	48.2	54.2	17.8	19.4	915
600537	36 x 41	450	48	56	19	21	945
602664	41 x 46	472	56	61	21	23	1430

182/2A

מפתח רינג רינג שטוח



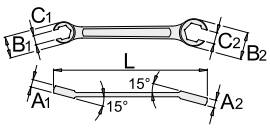


מק"ט		L	B1	B2	A	
612004	6 x 7	97	10	11.3	4.6	11
612005	8 x 9	112	12.7	14	5.6	19
612006	10 x 11	132	15.6	16.5	6.6	29
612007	12 x 13	147	18	19	7.6	44
612008	14 x 15	162	20.5	21.5	7.6	59
612009	16 x 17	172	23.2	24.2	8.6	90
612010	18 x 19	186	25.9	27.4	9.6	112
612011	20 x 22	206	28.9	31.8	11	161
612013	24 x 26	258	34.8	37.3	11.5	289
612015	27 x 29	298	38.3	41.8	13	378
612016	30 x 32	318	42.7	45.2	13.5	467

183/2

מפתח רינג חתוך



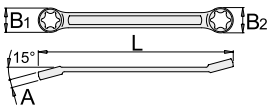


מק"ט		L	A1	A2	B1	B2	C1	C2	
612701	8 x 10	145	7	8.5	18	20	6	7	48
612702	10 x 11	152	8.5	9	20	22	7	8.5	64
612703	11 x 13	165	9	11	22	26	8.5	10	88
612704	12 x 14	178	10	12	24	28	9	11	125
615147	16 x 18	196	12	12.5	30.5	33.5	13	14	203
612705	17 x 19	210	13	14	32	35	14	15	204
612706	19 x 22	233	14	16	35	41	15	17	242
612707	22 x 24	265	16	17	41	45	17	18	297
612708	24 x 27	265	17	17	45	48	18	20	367
612709	30 x 32	285	21	23	50	52	22	24	552

182/2BTX

מפתח רינג E-TORX



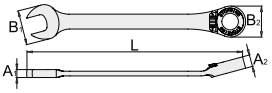


מק"ט		L	B1	B2	A	
612892	E6 x E8	97	10	11.3	4.6	13
612893	E10 x E12	112	12.7	14	5.6	20
612894	E14 x E18	137	16.5	21	6.6	38
612895	E20 x E24	174	23	27.3	8.6	100

160/2

מפתח רינג ראצ׳ט פתוח





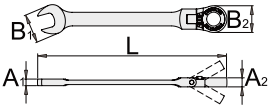


מק"ט	⬡	L	B2	B1	A2	A1	🔒
622818	8	134	17,1	16,7	8,4	4,7	40
622819	9	158	21	21	8,4	5,5	55
622820	10	158	21	21	8,4	5,5	60
622821	11	164	22,6	23	9,7	6	70
622822	12	167	23,8	25	9,7	6,2	80
622823	13	177	24,9	27,5	9,7	6,0	96
622824	14	189	27	29	10,1	7	125
622825	15	198	28,1	31,5	11,7	7,2	150
622826	16	204	29,9	33	11,7	7,5	165
622827	17	224	31,9	34,9	11,7	8	183
622828	18	245	34,4	38,9	12	8,8	210
622829	19	245	34,4	38,9	19	12	230
622831	21	280	45,7	42,6	14,2	9,5	358
622832	22	280	45,7	42,6	14,2	9,5	378
622834	24	310	51,7	46,5	14,7	10	480

161/2

מפתח רינג ראצ׳ט מפרקי + פתוח



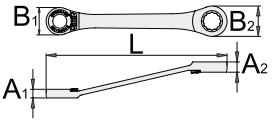


מק"ט	⬡	L	B2	B1	A2	A1	🔒
622837	6	136	17,4	16,9	8,4	4,9	50
622839	8	136	17,4	16,9	8,4	4,9	50
622841	10	160	20,9	20,8	8,4	3,8	72
622842	11	177,5	23,4	25,1	9,7	6,2	95
622843	12	177,5	23,4	25,1	9,7	6,2	95
622844	13	187,3	24,9	27,2	9,7	6,4	124
622845	14	194,7	27,4	29,3	10,1	7	144
622846	15	218	30,4	33	11,7	7,4	207
622847	16	218	30,4	33	11,7	7,4	207
622848	17	234,8	31,9	35,2	11,7	8,2	236
622849	18	251,3	34,5	39,4	12	9	290
622850	19	251,3	34,5	39,4	12	9	280

170/2

מפתח רינג ראצ׳ט כפול



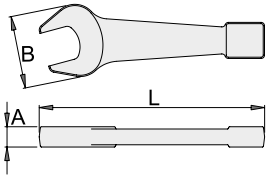


מק"ט	⬡	L	B2	B1	A2	A1	🔒
622851	6 x 8	114,2	17,4	17,4	8,4	8,4	40
622852	8 x 9	130,4	20,9	17,4	8,4	8,4	55
622853	8 x 10	130,4	20,9	17,4	8,4	8,4	55
622854	10 x 11	144,4	22,9	20,9	9,7	8,4	72
622856	12 x 13	166	24,9	23,4	9,7	9,7	97
622857	14 x 15	181,4	30,4	27,4	11,7	10,1	142
622858	16 x 18	205,9	33,9	30,4	12	11,7	198
622859	17 x 19	224,4	34,4	31,9	12	11,7	211

118/7

מפתח דפיקה פתוח



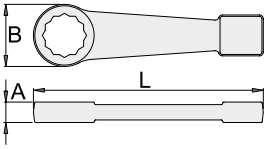


מק"ט		L	B	A	
620466	24	170	56	15	489
620467	27	170	56	15	477
620468	30	200	70	18	863
620469	32	200	70	18	863
620470	36	200	70	18	834
620471	41	240	88	20	1490
620472	46	240	88	20	1450
620473	50	265	102	20	1790
620474	55	305	112	24	2700
620475	60	305	112	24	2615
620476	65	335	123	27	3645
620477	70	370	143	30	2200
620478	75	370	143	30	4865
620479	80	400	175	33	6450
620480	85	400	175	33	5775
620481	90	450	192	38	7620
620482	95	450	192	38	9400
620485	110	515	235	48	12400
620486	115	515	235	52	15800
620487	120	535	260	53	20000
620488	125	535	260	53	19200
620490	135	565	285	53	23400
620491	140	635	307	58	28800
620492	145	635	307	58	28800
620493	150	635	307	58	28200

184/7

מפתח דפיקה רינג אינצ'י ומילימטרי



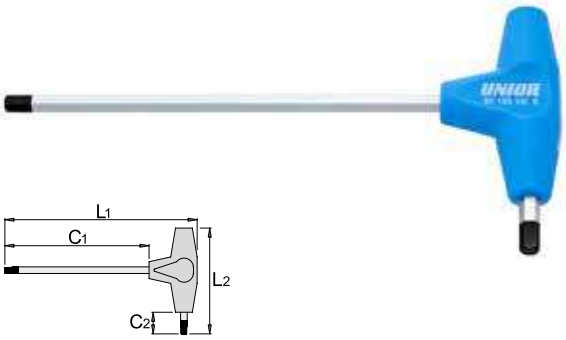


מק"ט		L	B	A	
620494	24	180	48.6	16	534
620495	27	180	48.6	16	514
620496	30	180	48.6	16	488
620497	32	190	58.4	18	739
620498	36	190	58.4	18	694
620499	41	235	74	22	1425
620500	46	235	74	22	1360
620501	50	235	74	22	1272
620502	55	275	97.6	27	2800
620503	60	275	97.6	27	2710
620504	65	275	97.6	27	2580
620505	70	335	117	35	4685
620506	75	335	117	35	4570
620507	80	350	124	35	4305
620508	85	358	130	39	4220
620509	90	395	144	41	5335
620510	95	395	144	39	5090
620511	100	420	155	43	6800
620512	105	420	155	42	5930
620513	110	451	170	46	8200
620515	120	500	190	52	11400
620516	125	500	190	53	10800
620518	135	520	200	60	13800
620519	140	574	220	61	17000
620520	145	574	220	60	16600

מק"ט		L	B	A	
620521	150	574	220	61	17000
620522	1.1/16"	180	49	16	512
620523	1.1/8"	180	49	16	511
620525	1.1/4"	190	58	18	740
620526	1.5/16"	190	58	18	708
620527	1.3/8"	190	58	18	700
620528	1.7/16"	190	58	18	687
620529	1.1/2"	235	74	22	1470
620530	1.5/8"	235	74	22	1425
620531	1.11/16"	235	74	22	1440
620533	1.13/16"	235	74	22	1360
620534	1.7/8"	235	74	22	1350
620535	2"	235	74	22	1335
620536	2.1/16"	275	98	27	2831
620537	2.1/8"	275	98	27	2840
620538	2.3/16"	275	98	27	2800
620539	2.1/4"	275	98	27	2730
620541	2.3/8"	275	98	27	2710
620542	2.1/2"	275	98	27	2580
620543	2.9/16"	275	98	27	2580
620544	2.5/8"	335	117	28.5	4685
620545	2.3/4"	335	117	35	4685
620546	2.15/16"	335	117	35	4520
620547	3"	335	117	35	4570
620548	3.1/8"	350	124	35	4305

193HX

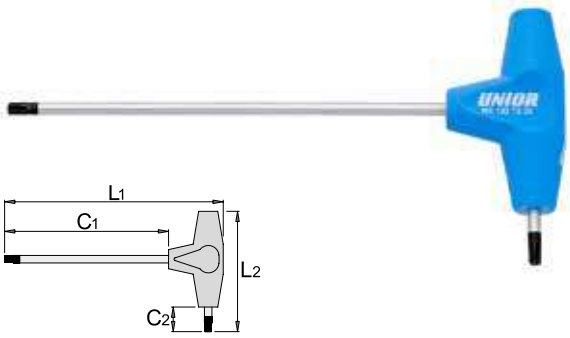
ידית T אלן



מק"ט	⬢	L1	C1	C2	L2	
623238	2	155	125	15	61	12
607161	2.5	155	125	15	61	13
607162	3	155	125	15	61	16
607163	3.5	155	125	15	61	20
607164	4	155	125	15	61	24
607165	4.5	188	150	20	88	57
607166	5	188	150	20	88	56
607167	6	188	150	20	88	74
607168	7	223	175	25	113	128
607169	8	223	175	25	113	155
607170	10	248	200	25	113	233

193TX

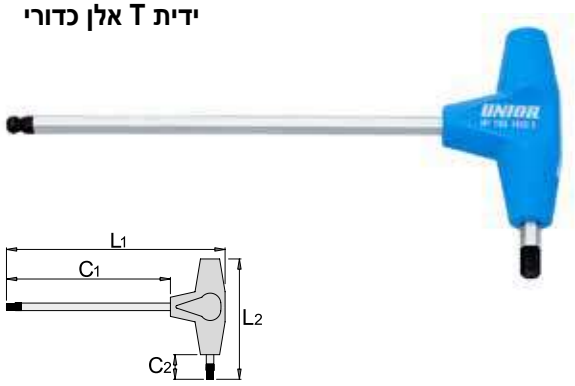
ידית T - TORX



מק"ט	✶	L1	C1	C2	L2	
607171	TX 6	155	125	15	61	15
607172	TX 7	155	125	15	61	15
607173	TX 8	155	125	15	61	15
607174	TX 9	155	125	15	61	15
607175	TX 10	155	125	15	61	15
607176	TX 15	155	125	15	61	19
607177	TX 20	155	125	15	61	22
607178	TX 25	188	150	20	88	46
607179	TX 27	188	150	20	88	58
607180	TX 30	188	150	20	88	67
607181	TX 40	223	175	25	113	118
607182	TX 45	223	175	25	113	142

193HXS

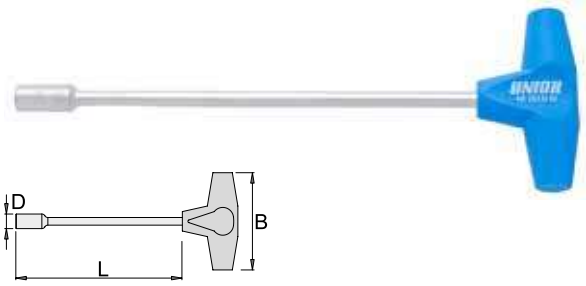
ידית T אלן כדורי



מק"ט	⬢	L1	C1	C2	L2	
608276	2.5	155	125	15	61	13
608277	3	155	125	15	61	16
608278	4	155	125	15	61	25
608279	5	188	150	20	88	56
608280	6	188	150	20	88	72
608281	8	223	175	25	113	153
608282	10	248	200	25	113	234

193N

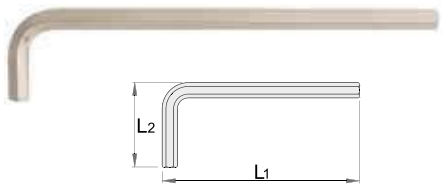
ידית T בוקסה



מק"ט	⬣	D	L	B	
608283	5.5	8.8	230	88	106
608284	6	9	230	88	107
608285	7	11	230	88	112
608286	8	12	230	88	135
608287	9	13	230	88	160
608288	10	14	230	88	161
608289	11	16	230	88	169
608290	12	17.5	230	88	196
608291	13	18	230	88	199
608292	14	20	230	88	208
608293	15	22	230	88	212
608295	17	23	230	88	223

220/3L

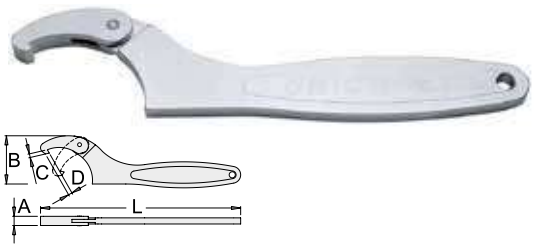
מפתח אלן ארוך אינצ'י ומילימטרי



מק"ט	⬣	L1	L2	
608510	1.5	91.5	15.5	1
608511	2	102	18	7
608512	2.5	114.5	20.5	10
608513	3	129	23	14
608514	4	144	29	22
608515	5	165	33	35
608516	6	186	38	55
608517	7	197	41	78
608518	8	208	44	105
608519	10	234	50	105
608520	12	262	57	105
608521	14	294	70	437
608522	17	337	80	753
608523	19	379	89	1026
616975	1/16"	92	16	6
616976	5/64"	102	18	7
616977	3/32"	114	20	10
616978	1/8"	129	23	14
616979	9/64"	140	26	22
616980	5/32"	144	29	22
616981	3/16"	165	33	35
616982	7/32"	176	36	55
616983	1/4"	186	38	55
616984	5/16"	208	44	105
616985	3/8"	234	50	105
616986	7/16"	261	53	105
616987	1/2"	293	63	105
616988	9/16"	294	69	437
616989	5/8"	336	76	753
616990	3/4"	379	89	1026

255/2F

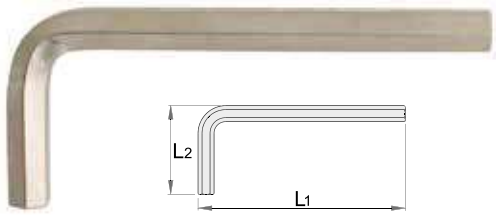
מפתח שן משתנה



מק"ט	○	L	C	D	A	B	
615027	15 - 35	140	2,5	2.5	7	25	83
615028	35 - 50	201	4	4	10	41.5	196
615029	50 - 80	262	5	5	12	68	455
615030	80 - 120	320	5.5	5.5	14	86	829
615031	120 - 180	418	7.5	9	16	134	1768

220/3

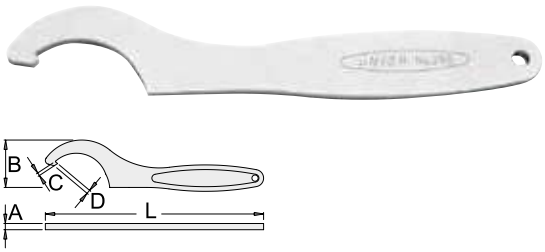
מפתח אלן



מק"ט	⬣	L1	L2	
607823	1.5	46.5	15.5	2.8
607824	2	52	18	1.72
607825	2.5	58.5	20.5	3
601036	3	66	23	5
601037	4	74	29	9.85
601038	5	85	33	18
601040	6	96	38	35
601041	7	102	41	47
601042	8	108	44	65
601044	10	122	50	108
601045	12	137	57	163
601046	14	154	70	258
601047	17	177	80	433
601048	19	199	89	603
616967	3/64"	41	13	5
616966	1/20"	41	13	5
611905	1/16"	47	16	5

255/2

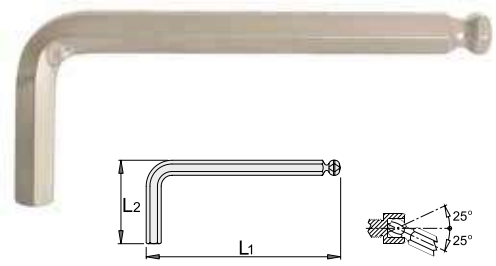
מפתח שן קבועה



מק"ט	○	L	C	D	A	B	
613050	12 - 14	109	1.2	1.5	3	12	27
613051	16 - 20	109	1.5	2	3	12	28
613052	25 - 28	136	2	2.5	4	21	56
613053	30 - 32	136	2	2.5	4	21	55
613054	34 - 36	171	2.5	3	5	28.5	114
613055	40 - 42	171	2.5	3	5	28.5	111
613056	45 - 50	207	3	3.5	6	37	206
613057	52 - 55	207	3	3.5	6	37	209
613058	58 - 62	242	3.5	4	7	46	320
613059	68 - 75	242	3.5	4	7	46	303
613060	80 - 90	281	4	5	8	61	472
613061	95 - 100	281	4	5	8	61	436
613062	110 - 115	334	4	5	10	81	805
613063	120 - 130	334	4	5	10	81	829

220/3S

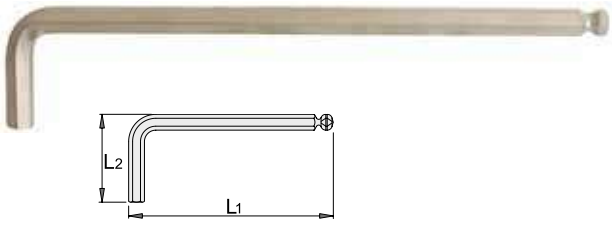
מפתח אלן כדורי



מק"ט	⬣	L1	L2	
607826	1.5	46.5	15.5	5
607827	2	52	18	6
607828	2.5	58.5	20.5	7
607829	3	66	23	10
607830	4	74	29	15
607831	5	85	33	23
607832	6	96	38	35
607834	8	108	44	65
607835	10	122	50	108

220/3SL

מפתח אלן כדורי ארוך



מק"ט	⬣	L1	L2	
608524	1.5	91.5	15.5	6
608525	2	102	18	7
608526	2.5	114.5	20.5	10
608527	3	129	23	14
608528	4	144	29	22
608529	5	165	33	35
608530	6	186	38	55
608531	8	208	44	105
608532	10	234	50	105

220/3LPH

סט מפתחות אלן ארוך



Set includes:
› 9x hex wrench, long type (article 220/3L) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

מק"ט	⟷	
608533	1.5 - 10	9

220/3LPH

סט מפתחות אלן ארוך מורחב



Set includes:
› 10x hex wrench, long type (article 220/3L) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10, 12

מק"ט	⟷	
617080	1.5 - 12	10

220/3LPH

סט מפתחות אלן ארוך אינצ'י

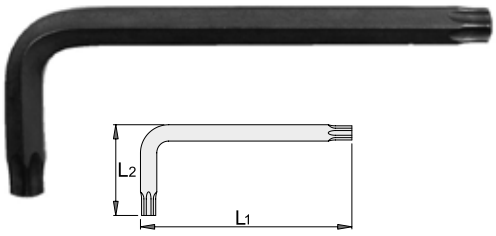


Set includes:
› 9x hex wrench, long type (article 220/3L) dim.

מק"ט	⟷	
617082	1/16" - 3/8"	9

220/7TX

מפתח אלן TORX עם חור



מק"ט		L1	L2	
616296	TR 9	59	19	4
609173	TR 10	65	20	5
609174	TR 15	75.5	20.5	6
609175	TR 20	87	22	10
609176	TR 25	97.5	22.5	16
609177	TR 27	105.5	25.5	18
609178	TR 30	111	30	26
609179	TR 40	119	33	36

220/7TXPH

סט מפתח אלן TORX עם חור



Set includes:
› 9x wrench with TX pro
220/7TX) dim. TR 8, TR 9, TR 10, TR 15, TR 20, TR 25, TR 27, TR 30, TR 40 on plastic clip

מק"ט		
613089	TR 8 - TR 40	9

220/3SLPH

סט אלן כדורי ארוך

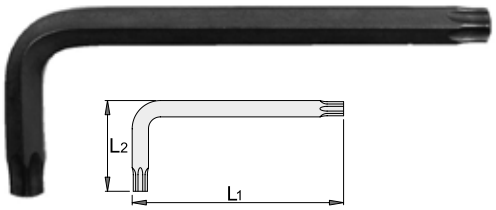


Set includes:
› 9x ball-end hex wrench, long type (article 220/3SL) dim. 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 on plastic clip

מק"ט		
608534	1.5 - 10	9

220/7TXN

מפתח אלן TORX



מק"ט		L1	L2	
616991	TX 6	46,5	19,5	2
616992	TX 7	52.5	19.5	3
616993	TX 8	53	20	4
616994	TX 9	53	20	4
616995	TX 10	56	21	4
616996	TX 15	59.5	22.5	5
616997	TX 20	63	24	8
616998	TX 25	66.5	25.5	12
616999	TX 27	71.5	27.5	13
617000	TX 30	78	31	20
617001	TX 40	85	34	28
617004	TX 55	122	48	126

220/7TXNPH

סט מפתח אלן TORX



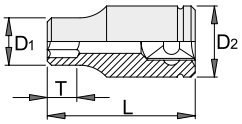
Set includes:
› 9x wrench with TX profile (article 220/7TXN) dim. TX 8, TX 9, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40 on plastic clip

מק"ט		
617077	TX 8 - TX 40	9

188/2 12p

בוקסה 12 צלעות דרייב 1/4



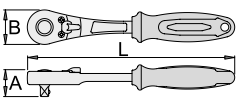


מק"ט	⬣	L	D1	D2	T	
616857	4	25	6.8	11.9	5	15
616858	4.5	25	7.1	11.9	5	15
616859	5	25	8	11.9	5	15
616860	5.5	25	8.3	11.9	5	15
616861	6	25	9.3	11.9	5	15
616862	7	25	10.5	11.9	5	15
616863	8	25	10.5	11.9	5	15
616864	9	25	10.5	13.1	8	15
616865	10	25	10.5	14.5	8	39
616866	11	25	10.5	15.8	8	39
616867	12	25	10.5	16.8	8	39
616868	13	25	10.5	17.8	10	39
616869	14	25	10.5	19.6	10	39
616870	3/16"	25	8	11.9	5	15
616871	7/32"	25	8.3	11.9	5	15
616872	1/4"	25	9.3	11.9	5	15
616873	9/32"	25	10.5	11.9	5	15
616874	5/16"	25	10.5	11.9	5	15
616875	11/32"	25	10.5	12.9	5	15
616876	3/8"	25	10.5	13.9	8	39
616877	13/32"	25	10.5	14	8	39
616878	7/16"	25	10.5	15.8	8	39
616879	1/2"	25	10.5	17.8	10	39
616880	9/16"	25	10.5	19.6	10	39

188.1/1ABI

ראצ'ט דרייב 1/4



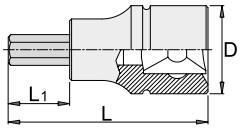


מק"ט	■	L	A	B	
611901	1/4"	157	24.5	25	111

187/2HX

בוקסה אלן מילימטרי דרייב 1/4



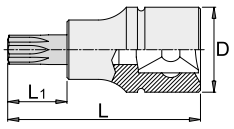


מק"ט	⬣	L	L1	D	
625741	2,5	32	13	12	15
607898	3	32	13	12	18
607899	4	32	13	12	18
607900	5	32	13	12	18
607901	6	32	13	12	18
607902	7	32	13	12	18

187/2TX

בוקסה אלן TORX דרייב 1/4



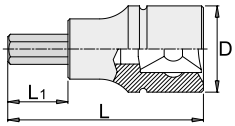


מק"ט	✱	L	L1	D	
607903	TX 8	32	13	12	15
607904	TX 10	32	13	12	15
607905	TX 15	32	13	12	15
607906	TX 20	32	13	12	15
607907	TX 25	32	13	12	15
607908	TX 27	32	13	12	15
607909	TX 30	32	13	12	15
607910	TX 40	32	13	12	17

236/2HX

בוקסה אלן דרייב 3/8



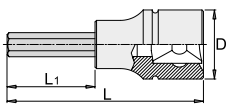


מק"ט	⬣	L	L1	D	
612082	4	48	22	18	39
612083	5	48	22	18	39
612084	6	48	22	18	41
612085	8	48	22	18	45
612086	10	48	22	18	56
617662	1/8"	48	22	18	39
617663	9/64"	48	22	18	39
617664	5/32"	48	22	18	39
617665	3/16"	48	22	18	39
617666	7/32"	48	22	18	41
617667	1/4"	48	22	18	41
617668	5/16"	48	22	18	45
617669	3/8"	48	22	18	56

236/2HXL

בוקסה אלן ארוך דרייב 3/8



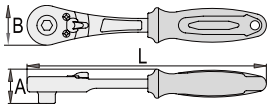


מק"ט	⬣	L	L1	D	
612087	4	92	66	18	65
612088	5	92	66	18	65
612089	6	92	66	18	65
612090	8	92	66	18	65
612091	10	92	66	18	65

188.1/1BBI

ראצ'ט לביט 1/4



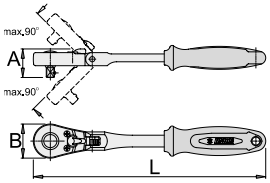


מק"ט	⬣	L	A	B	
625355	6,3	157	17,5	25	114

188.1/1FBI

ראצ'ט מפרקי דרייב 1/4



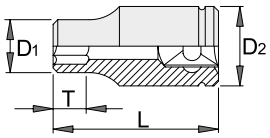


מק"ט	■	L	A	B	
618367	1/4"	180	22	25	127

238/1 12p

בוקסה 12 צלעות דרייב 3/8



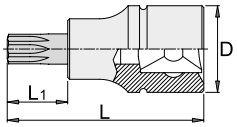


מק"ט	⬡	L	D1	D2	T	
617122	6	28	10.2	16.9	8	28
616905	7	28	10.6	16.9	8	28
616906	8	28	11.8	16.9	8	29
616907	9	28	13.2	16.9	8	29
616908	10	28	14.5	16.9	8	30
616909	11	28	15.7	16.9	8	29
616910	12	28	16.9	16.9	8	28
616911	13	28	17.9	17.9	8	32
616912	14	28	19.6	17,9	12	39
616913	15	28	20,9	20,9	12	46
616914	16	30	21.9	21.9	12	48
616915	17	30	23.5	23.5	12	49
616916	18	30	24.7	21	12	65
616917	19	30	25.9	23	14	73
616918	20	32	27.2	24	14	86
616919	21	32	27.9	25	14	88
616920	22	32	29.7	26	14	105
616921	23	32	31.7	27	14	120
616922	24	32	31.9	28	16	112
616923	1/4"	28	10.2	16.9	8	28
616924	5/16"	28	11.8	16.9	8	29
616925	3/8"	28	14.5	16.9	8	30
616926	7/16"	28	15.7	16.9	8	29
616927	1/2"	28	17,9	17,9	8	32
616928	9/16"	28	19,7	19.7	12	39
616929	5/8"	30	21,9	21.9	12	48
616930	11/16"	30	23,5	23.5	12	59
616931	3/4"	30	25.9	23	14	73
616932	13/16"	32	27.9	25	14	88
616933	7/8"	32	29.5	26	14	105
616934	15/16"	32	31.9	28	14	112
616935	1"	32	33.9	30	14	132

236/2TX

בוקסה TORX דרייב 3/8



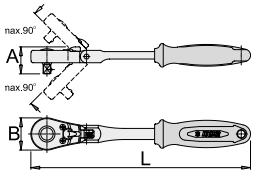


מק"ט	✸	D	L	L1	
612101	TX 15	18	48	22	39
612102	TX 20	18	48	22	39
612103	TX 25	18	48	22	39
612104	TX 27	18	48	22	39
612105	TX 30	18	48	22	39
612106	TX 40	18	48	22	40

238.1/1FBI

ראצ'ט מפרקי דרייב 3/8



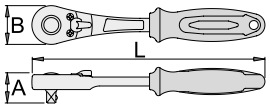


מק"ט	■	L	A	B	
618368	3/8"	260	30	35	322

238.1/1ABI

ידית ראצ'ט דרייב 3/8



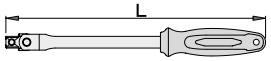


מק"ט	■	L	A	B	
612501	3/8"	200	30	35	239

238.2/1BI

ידית ברך דרייב 3/8



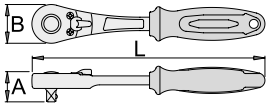


מק"ט	■	L	
612502	3/8"	210	188

238.1/1ALBI

ראצ'ט ארוך דרייב 3/8



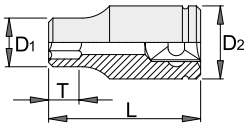


מק"ט	■	L	A	B	
617631	3/8"	260	30	35	274

190/1 12p

בוקסה 12 צלעות דרייב 1/2 אינצ׳ ומילימטרי



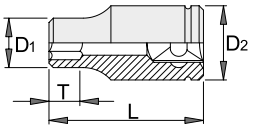


מק"ט	⬡	L	D1	D2	T	
603812	10	15	22.9	38	12	55
603813	11	16.3	22.9	38	12	55
603814	12	17.9	22.9	38	12	65
603815	13	18.8	22.9	38	12	65
603816	14	19.7	22.9	38	12	65
603817	15	20.4	22.9	38	12	65
603818	16	22.9	21.5	38	12	65
603819	17	24.3	22	38	12	65
603820	18	25.5	23	38	12	100
603821	19	26.8	24	38	14	105
603822	20	28.1	24	38	14	115
603823	21	29.3	25	38	14	128
603824	22	30.4	25	38	14	142
603825	23	31.7	26	40	14	147
603826	24	33.1	28	42	16	165
603827	27	37	30	43	18	180
603828	30	40.7	34	46	22	195
603829	32	43.2	36	46	22	237
621722	36	47,9	37,8	46	22	245
609366	3/8"	15	21,8	38	12	55
609367	7/16"	16.3	21,8	38	12	55
609368	1/2"	18.8	21,8	38	12	65
609369	9/16"	20.4	21,8	38	12	65
609370	19/32"	21,7	20.7	38	12	65
609371	5/8"	22.9	21.5	38	12	65
609372	11/16"	23,9	22	38	12	65
609373	3/4"	25,9	23	38	14	105
609374	25/32"	27.9	24	38	14	115
609375	13/16"	27,9	25	38	14	128
609376	7/8"	29,9	26	40	14	142
609377	15/16"	31,9	28	42	16	165
609378	1"	33,9	30	42	16	170
609379	1.1/16"	35,9	30	43	18	180
609380	1.1/8"	37,9	32	43	20	190
609381	1.3/16"	39,9	34	46	22	195
609382	1.1/4"	41,9	36	46	22	237

190/1 6p

בוקסה משושה דרייב 1/2 אינצ׳ ומילימטרי



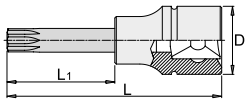


מק"ט	⬡	L	D1	D2	T	
605307	8	38	13.2	22.9	12	55
610155	9	38	13.9	22.9	12	55
600851	10	38	15	22.9	12	55
600852	11	38	16.3	22.9	12	55
600853	12	38	17.9	22.9	12	65
600854	13	38	18.8	22.9	12	65
600855	14	38	19.7	22.9	12	65
600856	15	38	20.4	22.9	12	65
600857	16	38	22.9	21.5	12	85
600858	17	38	24.3	22	12	95
600859	18	38	25.5	23	12	100
600860	19	38	26.8	24	14	105
600861	20	38	28.1	24	14	115
600862	21	38	29.3	25	14	128
600863	22	38	30.4	25	14	142
600864	23	40	31.7	26	14	147
600865	24	42	33.1	28	16	165
600866	25	42	34.2	29	16	126
600867	26	42	35.3	30	16	126
600868	27	43	37	30	18	180
600869	28	43	38	31	20	185
610156	29	43	39	32	20	185
600871	30	46	40.7	34	22	195
600872	32	46	43.2	36	22	237
610105	5/16"	38	13.2	22.9	12	55
610106	3/8"	38	15	22.9	12	55
610107	7/16"	38	16.3	22.9	12	55
610108	1/2"	38	18.8	22.9	12	65
610109	9/16"	38	20.4	22.9	12	65
610110	5/8"	38	22.9	21.5	12	85
610111	11/16"	38	25.5	23	12	95
610112	3/4"	38	26.8	24	14	105
610113	13/16"	38	29.3	25	14	128
610114	7/8"	40	31.7	26	14	142
610115	15/16"	42	33.1	28	16	165
610116	1"	42	35.3	30	16	126
610117	1.1/16"	43	37	30	18	180
610118	1.1/8"	43	39	32	20	185
610119	1.3/16"	46	40.7	34	22	237
610120	1.1/4"	46	43.2	36	22	55

192/2TXL

בוקסה אלן TORX דרייב 1/2



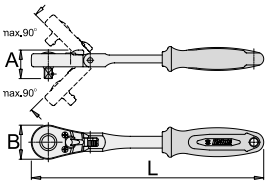


מק"ט	✱	D	L	L1	
612422	TX 20	22.9	100	64	76
612423	TX 25	22.9	100	64	86
612424	TX 27	22.9	100	64	86
612425	TX 30	22.9	100	64	86
612426	TX 40	22.9	100	64	90
612427	TX 45	22.9	100	64	92
612428	TX 50	22.9	100	64	94
612429	TX 55	22.9	100	64	100
612430	TX 60	22.9	100	64	110
619857	TX 70	24.3	105	65	253

190.1/1FBI

ראצ'ט מפרקי דרייב 1/2





מק"ט	■	L	A	B	
618369	1/2"	320	36	40	598

192/2HX

בוקסה אלן דרייב 1/2 אינצ'י ומילימטרי

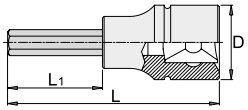


מק"ט	⬢	D	L	L1	
600978	4	23	60	24	60
603420	5	23	60	24	60
603421	6	23	60	24	60
603422	7	23	60	24	75
603423	8	23	60	24	81
605923	9	23	60	24	85
603424	10	23	60	24	95
603425	12	23	60	24	116
624033	13	23	60	24	100
603426	14	23	60	24	168
624034	15	23	60	24	115
603427	17	24	60	20	187
603428	19	26.5	60	20	195
623141	22	26,5	60	20	196
623142	24	26,5	60	20	210
619894	3/16"	22.9	40	24	60
619895	7/32"	22.9	40	24	60
619896	1/4"	22.9	40	24	60
619899	3/8"	22.9	40	24	95
619900	1/2"	22.9	40	24	116
619901	9/16"	22.9	40	24	168
619902	5/8"	22.9	40	24	187
619904	3/4"	26.8	40	21	195

192/2HXL

בוקסה אלן ארוך דרייב 1/2



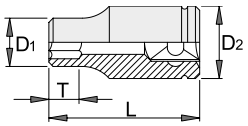


מק"ט	⬢	D	L	L1	
603380	5	22.9	100	64	67
603381	6	22.9	100	64	67
619805	6	22.9	183	147	95
603383	7	22.9	100	64	67
603384	8	22.9	100	64	67
619806	8	22.9	143	107	115
603386	10	22.9	100	64	117
619807	10	22.9	163	127	163
603455	12	22.9	100	64	139
619415	14	22.9	100	64	165

197/1 6p

בוקסה משושה דרייב 1/2



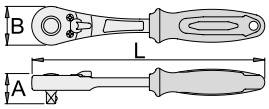


מק"ט		D1	D2	L	T	
619698	19	29,2	33	50	14	175
602723	22	32.2	36	50	14	220
602724	23	33.2	36	50	14	221
602725	24	34.2	36	51	16	230
602726	26	37	36	52	16,5	230
602727	27	38	36	52	22	239
602728	28	39,5	36	52	22	242
619702	29	40,5	36	52	22	270
602729	30	42	36	54	24	273
602730	32	44	36	56	26	295
602731	34	47	36	56	26	347
619701	35	48	38	58	26	401
602732	36	50	38	58	28	400
602733	38	52	38	60	28	488
602734	41	56	40	64	30	502
602735	46	62	42	66	32	621
602736	50	68	42	70	34	708
617527	55	74	45	76	38	914
603135	60	80	45	78	42	1105
609383	7/8"	32.2	36	50	14	220
609384	15/16"	34.2	36.2	51	16.5	231
609385	1"	37	36	52	16	234
609386	1.1/16"	38	36	52	22	224
609387	1.1/8"	40	38	52	22	265
609388	1.1/4"	44	38	56	24	313
609390	1.3/8"	48	42	58	26	406
609391	1.7/16"	50	42	58	28	415
609392	1.1/2"	52	45	60	28	414
609393	1.5/8"	56	45	64	30	572
609394	1.11/16"	58	45	65	32	595
609396	1.7/8"	64	48	70	34	741
609397	2"	68	48	72	36	842

190.1/1ABI

ראצ'ט דרייב 1/2



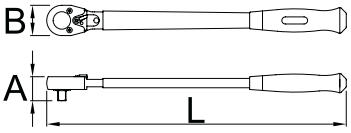


מק"ט	■	L	A	B	
611782	1/2"	260	36	45	423

190.1/1LG

ראצ'ט דרייב 1/2 ארוך



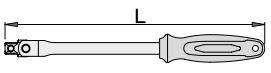


מק"ט	■	L	A	B	
627200	1/2"	465	37.5	47	1240

190.2/1BI

ידית ברך דרייב 1/2



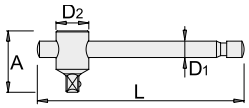


מק"ט	■	L	
611899	1/2"	380	572
611900	1/2"	450	671

197.3/1

ידית T החלקה דרייב 3/4





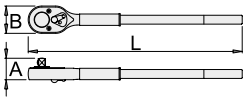
3/4"

מק"ט	■	A	D1	D2	L	
602738	3/4"	60	20	37	455	1400

199.1/1

ידית ראצ'ט דרייב "1





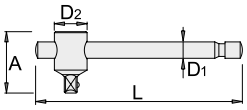
1"

מק"ט	■	A	B	L	
603104	1"	71	71.5	665	4655

199.3/1

ידית T החלקה דרייב "1





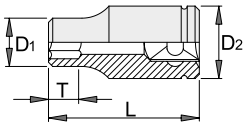
1"

מק"ט	■	A	D1	D2	L	
603105	1"	80	28	49	560	3330

197/1 12p

בוקסה 12 צלעות דרייב 3/4



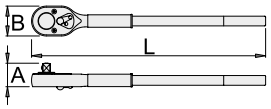


מק"ט		D1	D2	L	T	
618666	22	32.2	36	50	14	215
618667	23	33.2	36	50	14	216
618668	24	34.2	36	51	16	224
618669	26	37	36	52	16	220
618670	27	38	36	52	22	224
618671	28	39.5	36	52	22	234
618672	30	42	36	54	24	254
618673	32	44	36	56	26	282
618674	34	47	36	56	26	329
618675	36	50	38	58	28	372
618676	38	52	38	60	28	473
618677	41	56	40	64	30	487
618678	46	62	42	66	32	566
618679	50	68	42	70	34	683
618680	55	74	45	76	38	828
618681	60	80	45	78	42	993

197.1/1

ידית ראצ'ט דרייב 3/4





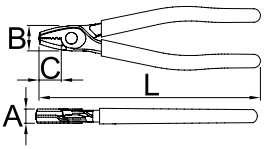
מק"ט	■	A	B	L	
602737	3/4"	58	63.5	500	2950

מטרסו הפצה WIDIA ישראל
WWW.MATARASO.CO.IL

407/4DP

פלייר לפתיחת ברגים





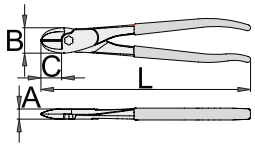
מק"ט	L	B	C	A	
628800	170	19.2	25	11	149

467SHARK/4DP

קאטר HD

PIANO





מק"ט	L	B	A	C	
626490	250	30	12	24	389

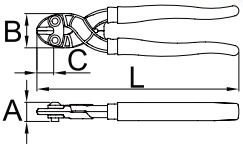
cutting capacity (10N=1kg)

מק"ט	L	max 2150 N/mm² øī	max 1600 N/mm² øī	max 650 N/mm² øī
626490	250	3	3,5	6

469SHARK/4ADP

קאטר HD דגם BOLTSHARK





מק"ט	L	B	A	C	
627533	200	34,8	19,5	16,5	354

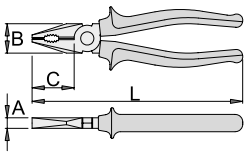
cutting capacity (10N=1kg)

מק"ט	L	max 2150 N/mm² øī	max 1600 N/mm² øī	max 650 N/mm² øī
627533	200	3	3,5	6

406/4G

פלייר ידית פלסטיק





מק"ט	L	B	C	A	
608673	140	23	32	8 1	57
608674	160	24	35	9.5	224
608675	180	27	38	10	274
608676	200	29	41	10.5	341
608677	220	32	47	11	421

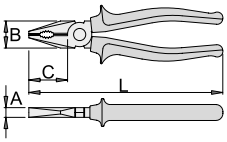
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² øī	max 650 N/mm² øī
608673	140	1,6	2,0
608674	160	1,6	2,0
608675	180	1,8	2,5
608676	200	2,0	2,5
608677	220	2,0	3,0

406/1BI

פלייר





מק"ט	L	B	C	A	
607870	160	24	35	9.5	224
607871	180	27	38	10	274
607872	200	29	41	10.5	341
608354	220	32	47	11	421

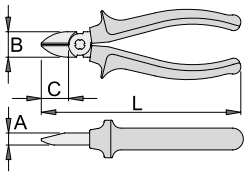
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² øī	max 650 N/mm² øī
607870	160	1,6	2,0
607871	180	1,8	2,5
607872	200	2,0	2,5
608354	220	2,0	3,0

461/1BI

חותך צד





מק"ט	L	B	A	C	
607883	140	19	9.5	18	169
607884	160	22.5	10	22	214

cutting capacity (10N=1kg)

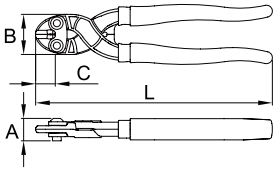
מק"ט	L	max 1600 N/mm² ø	max 650 N/mm² ø
607883	140	1,6	2,0
607884	160	1,6	2,5

469SHARK/4DP

קאטר HD דגם BOLTSHARK

PIANO





מק"ט	L	B	A	C	
626500	200	34,8	19,5	16,5	347

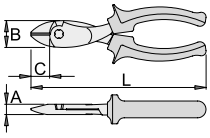
cutting capacity (10N=1kg)

מק"ט	L	max 2150 N/mm² ø	max 1600 N/mm² ø	max 650 N/mm² ø
626500	200	3,6	4,0	6

466/1BI

חותך צד HD





מק"ט	L	B	A	C	
617686	160	23.5	10	20.5	214
608850	180	28	11	20	313
608837	200	27	11	21	344

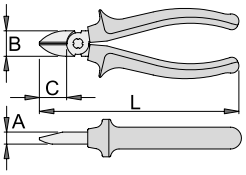
cutting capacity (10N=1kg)

מק"ט	L	max 2150 N/mm² ø	max 650 N/mm² ø
617686	160	1,6	2,5
608850	180	1,8	3,0
608837	200	2,0	3,5

461/4G

חותך צד ידית פלסטיק





מק"ט	L	B	A	C	
608697	140	19	9.5	18	169
608698	160	22.5	10	22	214

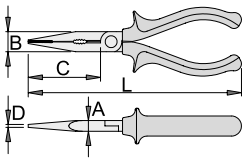
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² ø	max 650 N/mm² ø
608697	140	1,6	2,0
608698	160	1,6	2,5

506/4G

פלייר אף ארוך ידית פלסטיק עם חותך צד





מק"ט	L	B	D	A	C	
608712	140	15	2	8	39	115
608713	160	16	2.5	9	49	137

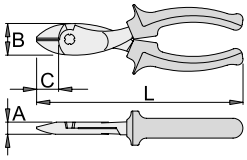
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² ø	max 650 N/mm² ø
608712	140	1,6	2,0
608713	160	1,6	2,0

466/4G

חותך צד HD ידית פלסטיק





מק"ט	L	B	A	C	
617687	160	23.5	10	20.5	214
608700	180	28	11	20	313
609190	200	27	11	21	344

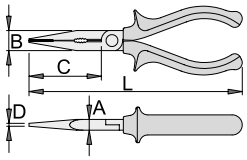
cutting capacity (10N=1kg)

מק"ט	L	max 2150 N/mm² ø	max 650 N/mm² ø
617687	160	1,6	2,5
608700	180	1,8	3,0
609190	200	2,0	3,5

508/1BI

פלייר אף ארוך





מק"ט	L	B	D	A	C	
607876	170	17	2.5	9	61	156
607877	200	17	2.5	9	77	191

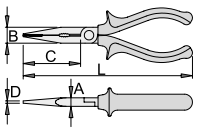
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² ø	max 650 N/mm² ø
607876	170	1,6	2,0
607877	200	1,8	2,5

506/1BI

פלייר אף ארוך עם חותך צד





מק"ט	L	B	D	A	C	
607874	140	15	2	8	39	115
607875	160	16	2.5	9	49	137

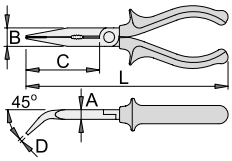
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² ø	max 650 N/mm² ø
607874	140	1,6	2,0
607875	160	1,6	2,0

512/1BI

פלייר אף ארוך מכופף





מק"ט	L	B	D	A	C	
607966	170	17	2.5	9	61	152
607967	200	17	2.5	9	77	204

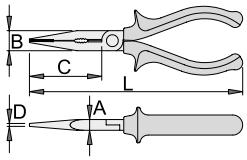
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² ø	max 650 N/mm² ø
607966	170	1,6	2,0
607967	200	1,8	2,5

508/4G

פלייר אף ארוך ידית פלסטיק





מק"ט	L	B	D	A	C	
608710	170	17	2.5	9	61	156
608711	200	17	2.5	9	77	191

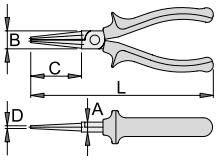
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² ø	max 650 N/mm² ø
608710	170	1,6	2,0
608711	200	1,8	2,5

476/1BI

פלייר אף ארוך פרופיל עגול



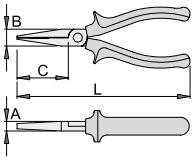


מק"ט	L	B	A	C	D	
607880	140	15	9	39	2	116
607881	160	16	10	49	2.5	126

472/1BI

פלייר אף ארוך חלק



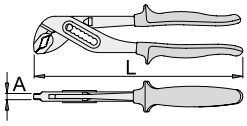


מק"ט	L	B	C	A	
607878	140	15	39	8	120
607879	160	16	49	9	146

447/1BI

פלייר משאבות



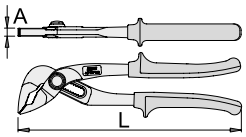


מק"ט	L	A	Omax	
610984	240	6.5	35	367

447/1HPP

פלייר משאבות



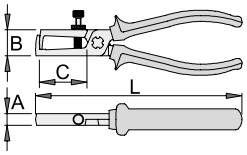


מק"ט	L	A	Omax	
620172	240	8.5	40	392

478/1BI

פלייר להסרת בידוד



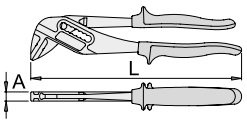


מק"ט	L		B	A	C	
607882	160	0.6 - 10	18	9	40	178

449/1PYTHON

פלייר משאבות



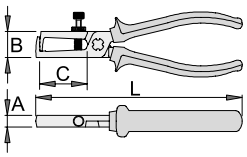


מק"ט	L	A	Omax	
615032	240	11	42	420

478/4G

פלייר להסרת בידוד ידית פלסטיק



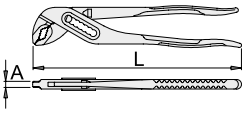


מק"ט	L		B	A	C	
608701	160	0.6 - 10	18	9	40	178

447/6

פלייר משאבות



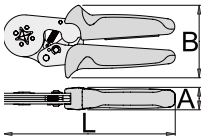


מק"ט	L	A	Omax	
607348	175	6.5	26.5	154
603160	240	7.5	35	312
605006	300	8.5	42	464

427/4AG

לוחץ סופיות ראצ'ט מרובע



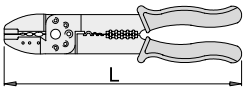


מק"ט	L	B	A	
621550	180	76	20	433

425/4A

לוחץ נעלי כבל





מק"ט		L	
601136	1.5 - 6	240	320

427/4CG

לוחץ סופיות עם מסיר בידוד

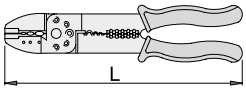


מק"ט	
621552	320

425/4AB

לוחץ נעלי כבל





מק"ט		L	
605806	1.5 - 6	240	320

427/4DG

לוחץ סופיות טלפון

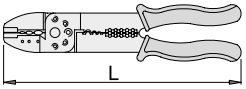


מק"ט	
621553	401

425/4B

לוחץ נעלי כבל



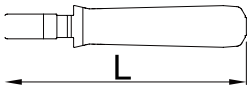


מק"ט		L	
601137	1.5 - 6	240	320

385H

מסיר בידוד להב קרס





מק"ט		L	
610930	4 - 28	170	91

427/2FG

לוחץ סופיות

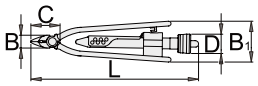


מק"ט		
621555	6 - 50	1350

516/4

פלייר אבטחות



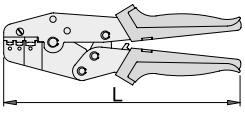


מק"ט	L	B	B1	C	D	
627530	213	19	49	40	24	250

428/4

לוחץ סופיות



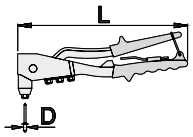


מק"ט		L	
602327	0.5 - 6	226	575

1300/6

מושך ניטים מקצועי





מק"ט	L	D1	D2	D3	D4	
615454	270	2.4 (3/32")	3.2 (1/8")	4.0 (5/32")	4.8 (3/16")	567

380

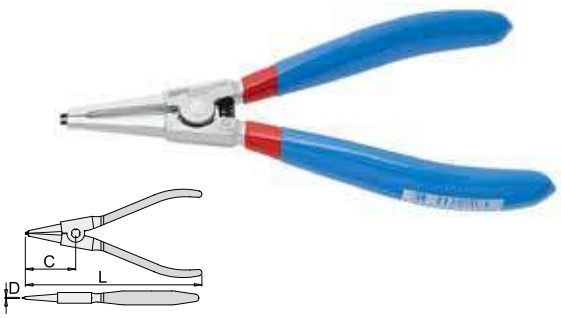
מקלף חוטים



מק"ט		
610925	0.2 - 6	117

532PLUS/1DP

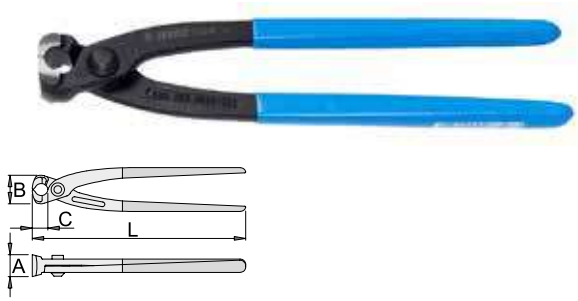
פלייר טבעות ישר חיצוני



מק"ט	L		D	C	
621187	140	3 - 10	0.9	40	127
621188	140	10-25	1.3	40	131
621189	180	19 - 60	1.8	52	209
621190	220	40 - 100	2.2	63	276

531/4P

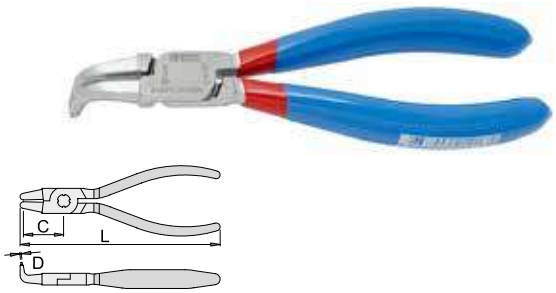
צבת



מק"ט	L	B	A	C	
608727	190	26	22	15	214
608728	224	30	23	17	333
608729	250	36	25	18	424
608730	280	36	25	18	455

538PLUS/1DP

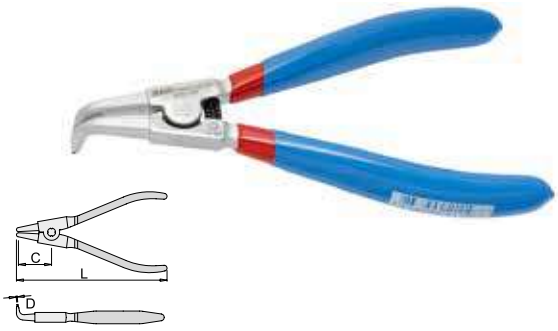
פלייר טבעות מכופף פנימי



מק"ט			L	D	C	
621211	140	8 - 13	128	0.9	28	114
621212	140	12 - 25	128	1.3	28	114
621213	180	19 - 60	166	1.8	38	194
621214	220	40 - 100	202	2.3	48	244

534PLUS/1DP

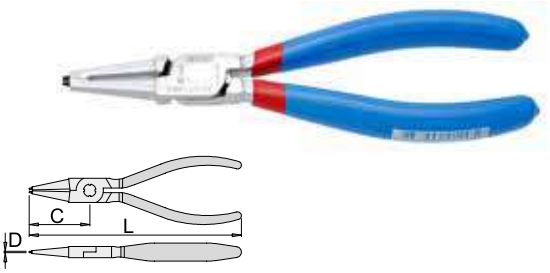
פלייר טבעות מכופף חיצוני



מק"ט			L	D	C	
621195	140	3 - 10	128	0.9	28	134
621196	140	10-25	128	1.3	28	124
621197	180	19 - 60	166	1.8	38	204
621198	220	40 - 100	201	2.3	48	274

536PLUS/1DP

פלייר טבעות ישר פנימי

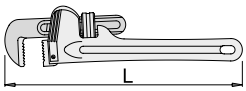


מק"ט	L		D	C	
621203	140	8 - 13	0.9	40	111
621204	140	12 - 25	1.3	40	115
621205	180	19 - 60	1.8	52	192
621206	220	40 - 100	2.2	63	251

492/6

פלייר משאבות HD



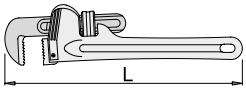


מק"ט	L"		Omax	L	
601544	8"	1"	34	200	375
601545	10"	1.1/2"	49	250	760
618893	12"	1.3/4"	55	300	1100
601546	14"	2"	60	350	1520
601547	18"	2.1/2"	76	450	2360
601548	24"	3"	89	600	4126
601549	36"	5"	140	900	7200
618894	48"	6"	165	1200	14800

492AL

פלייר משאבות HD מאלומיניום



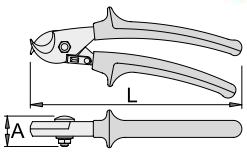


מק"ט	L"		Omax	L	
602719	14"	2"	60	325	960
602720	18"	2.1/2"	76	410	1560
602721	24"	3"	89	555	2450
602722	36"	5"	140	790	4600

580/1BI

חותך כבלים



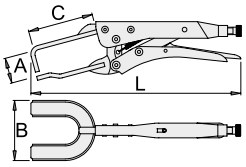


מק"ט	L	A	Øî	
609238	170	22	10	339
609239	230	22	17	444

432/3A

פלייר ריתוך



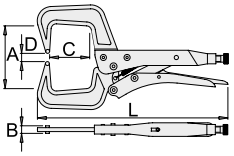


מק"ט	L	A	B	C	D1	
601142	280	30	76	75	45	466

432/3C

פלייר ריתוך



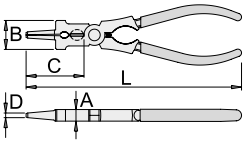


מק"ט	L	A	B	C	D1	
601144	280	82	10	55	50	717

436/4P

פלייר רתכים



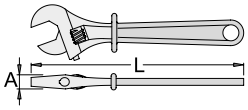


מק"ט	L	B	D	A	C	
616493	180	25	3	10	59	212
616494	210	34	3.5	11	80	306

250/1VDP

מפתח שבדי מבודד 1000V



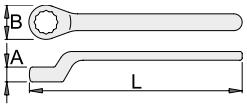


מק"ט	⟷	L	A	⬡	
621917	150	165	35	23	182
616849	200	215	35	28	355
616850	250	265	35	32	579
616851	300	310	36	38	871
622065	380	390	35	50	1505

180/2VDEDP

מפתח רינג מבודד 1000V



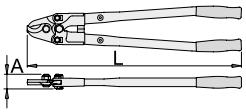


מק"ט	⬡	L	B	A	
621580	6	155	13.5	8.5	51
621581	7	155	15	9	57
621582	8	160	16.5	9.5	62
621583	9	160	17.5	10	72
612185	10	162	19.5	11	81
612186	11	175	20	11.5	97
612187	12	185	21.5	11.5	112
612188	13	185	23	12.5	113
612189	14	190	25.5	13	136
612190	15	195	27	13.5	146
621584	16	190	27.5	14.5	175
612191	17	208	30.5	15.5	185
621585	18	195	30	15.5	210
612192	19	227	33	15.5	233
621586	20	245	34.5	16.2	273
619202	21	244	36.4	13.2	307
612193	22	250	37.5	17.5	300
621587	23	250	39.8	16.8	333
612194	24	255	42	18.5	428
621588	26	265	44	18	450
621589	27	270	44.8	18	411
621590	28	280	36.5	18.5	488
621591	30	310	47	19	574
621592	32	325	51.5	19.5	647

585/6

חותך כבל גדול



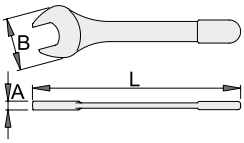


מק"ט	L	A	⌀max	
615226	550	38	23	2080
616732	800	42	39	3660

110/2VDEDP

מפתח פתוח צד אחד מבודד 1000V



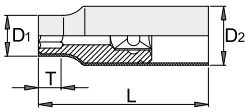


מק"ט	⬡	L	B	A	
618370	6	72	16	6.9	19
618331	7	82	16.1	6.9	26
617801	8	95	21	7	30
621575	9	100	24.5	7.5	35
612175	10	105	24.5	7.5	42
612176	11	112	26	7.5	51
612177	12	125	28	8	65
612178	13	132	30.5	8.5	76
612179	14	140	33	8.5	84
612180	15	150	35	9	96
621576	16	154	40	10	118
612181	17	157	40	10	137
621577	18	165	44	11	151
612182	19	170	44	11	170
618333	20	175	46.4	12.2	184
619201	21	180	48.8	12.5	213
612183	22	195	49	13	234
618335	23	210	52.8	13.1	251
612184	24	220	56	14	311
621578	26	235	59	15	361
617802	27	240	59	15	387
621579	28	245	66	15.8	440
618336	30	260	66.1	15.8	518
618337	32	275	71.4	17.6	620

190/2VDEDP

בוקסה משושה דרייב 1/2 מבודד 1000V





מק"ט	⬣	D1	D2	L	T	
617803	8	18	27	54	12	65
612195	10	19,5	27	54	12	72
612196	11	20,7	27	54	12	75
612197	12	22	27	54	12	74
612198	13	23,2	27	54	12	77
612199	14	24,5	27	54	12	72
621594	15	25,7	27	54	12	78
621595	16	27	27	54	12	82
612200	17	28,1	27	54	12	83
621596	18	29,5	27	54	12	94
612201	19	30,7	27	54	14	96
621597	20	32	27	54	14	106
621598	21	33,2	27	54	14	115
612202	22	34,5	27	54	14	108
612203	24	37	27	58	16	158
617804	27	41	27	59	18	176
621602	30	44,5	27	62	22	247
621603	32	47	27	62	22	284

190.1AVDEDP

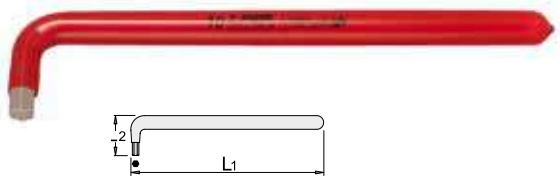
ראצ'ט דרייב 1/2 מבודד 1000V



מק"ט	■	L	B	A	
619119	1/2"	245	50	80	667

220/3LVDEDP

מפתח אלן מבודד 1000V



מק"ט	⬣	L1	L2	
619136	3	130	26	20
619137	4	145	31	31
619138	5	165	36	53
619139	6	188	40	73
619140	8	206	49	135
619141	10	234	55	221
619142	12	262	58	346

220TV

ידית TORX T מבודד 1000V

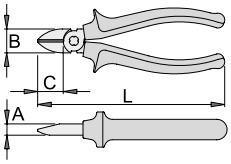


מק"ט	⬣	L	L1	B	
619132	4	109.5	75	80	43
619133	5	109.5	75	80	50
619134	6	143	100	100	94
619135	8	143	100	100	123

461/1VDEBI

חותך צד מבודד 1000V





מק"ט	L	B	C	A	
610426	140	19	9.5	18	169
610427	160	22.5	10	22	214

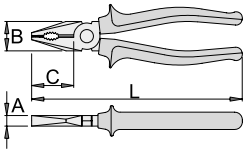
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² ø	max 650 N/mm² ø
610426	140	1,6	2,0
610427	160	1,6	2,5

406/1VDEBI

פלייר מבודד 1000V





מק"ט	L	B	C	A	
610421	160	24	35	9.5	224
610422	180	27	38	10	274
610423	200	29	41	10.5	344
610424	220	32	47	11	424

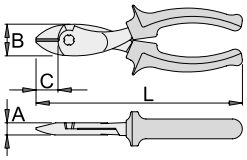
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² ø	max 650 N/mm² ø
610421	160	1,6	2,0
610422	180	1,8	2,5
610423	200	2,0	2,5
610424	220	2,0	3,0

466/1VDEBI

חותך כבל HD מבודד 1000V





מק"ט	L	B	A	C	
610428	180	28	11	20	316
611756	200	27	11	21	344

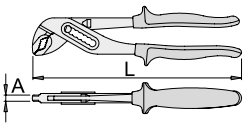
cutting capacity (10N=1kg)

מק"ט	L	max 2150 N/mm² ø	max 650 N/mm² ø
610428	180	1,8	3,0
611756	200	2,0	3,5

447/1VDEBI

פלייר משאבות מבודד 1000V

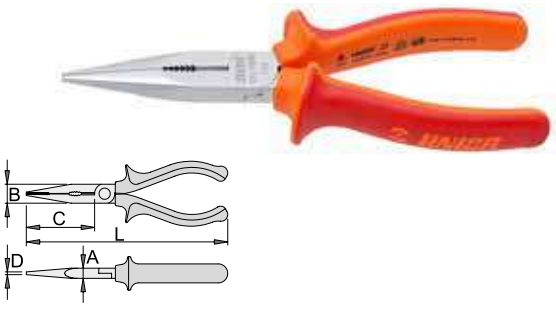




מק"ט	L	A	max	
611993	240	6.5	35	367

508/1VDEBI

פלייר אף ארוך מבודד 1000V



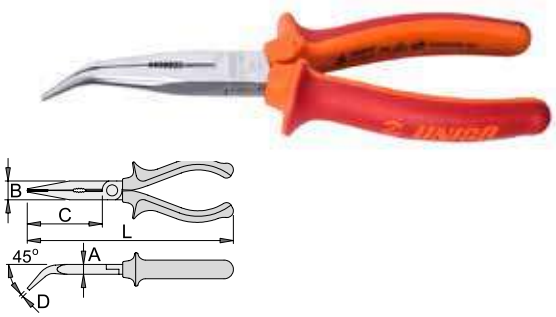
מק"ט	L	B	D	A	C	
610436	170	17	2.5	9	61	156
610437	200	17	2.5	9	77	191

cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² øī	max 650 N/mm² øī
610436	170	1,6	3,0
610437	200	1,8	3,0

512/1VDEBI

פלייר אף ארוך מכופף מבודד 1000V



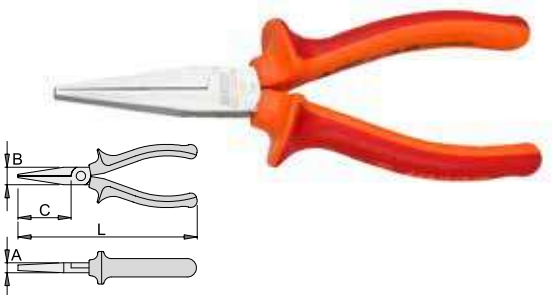
מק"ט	L	B	D	A	C	
610438	170	17	2.5	9	61	152
610439	200	17	2.5	9	77	204

cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² øī	max 650 N/mm² øī
610438	170	1,6	2,0
610439	200	1,8	2,5

472/1VDEBI

פלייר אף ארוך שטוח מבודד 1000V



מק"ט	L	B	C	A	
610430	160	16	49	9	146

476/1VDEBI

פלייר אף ארוך פרופיל עגול מבודד 1000V



מק"ט	L	B	A	C	D	
610431	140	15	9	39	2	116
610432	160	16	10	49	2.5	126

506/1VDEBI

פלייר אף ארוך עם חותך צד מבודד 1000V



מק"ט	L	B	D	A	C	
610434	140	15	2	8	39	115
610435	160	16	2.5	9	49	137

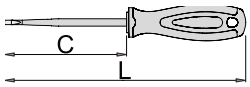
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² øī	max 650 N/mm² øī
610434	140	1,6	2,0
610435	160	1,6	2,0

611VDETBI

מברג פיליפס צר מבודד 1000V



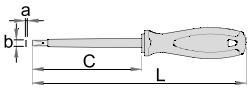


מק"ט	+	C	L	
624071	SLPH 1	80	180	56
624072	SLPH 2	100	210	88

603VDETBI

מברג שטוח מבודד 1000V



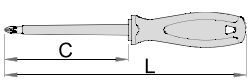


מק"ט	axb	C	L	
616436	0.4 x 2.5	75	160	33
616437	0.5 x 3.0	100	185	37
616438	0.6 x 3.5	100	185	39
616439	0.8 x 4.0	100	185	43
621247	1.0 x 4.5	125	225	75
616440	1.0 x 5.5	125	225	75
616441	1.2 x 6.5	150	260	113
616442	1.2 x 8.0	175	295	163
621248	1.6 x 10.0	20	32	115

613VDETBI

מברג פיליפס מבודד 1000V



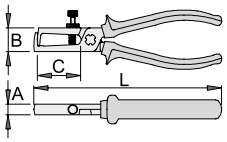


מק"ט	+	C	L	
616443	PH0	60	145	34
616444	PH1	80	180	60
616445	PH2	100	210	94
616446	PH3	150	270	104
616447	PH4	200	320	230

478/1VDEBI

מסיר בידוד מבודד 1000V



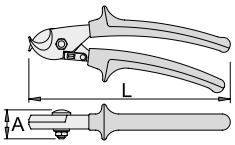


מק"ט	L		B	A	C	
610433	160	0.6 - 10	18	9	40	178

580/1VDEBI

חותך כבל מבודד 1000V



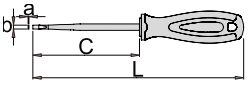


מק"ט	L	A	max	
610440	170	18	10	339
610441	230	22	17	444

604VDETBI

מברג שטוח צד מבודד 1000V



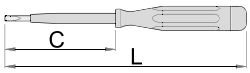


מק"ט	axb	C	L	
624063	0.6 x 3.5	100	185	37
624064	0.8 x 4.0	100	185	39
624065	1.0 x 5.5	125	225	74

630VDE

טסטר מבודד 1000V



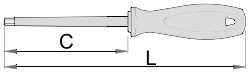


מק"ט	axb	C	L	
617659	0.5 x 3.0	60	140	13
617660	0.6 x 3.5	90	180	24

620VDETBI

מברג אלן מבודד 1000V



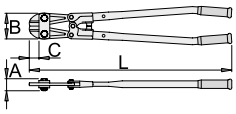


מק"ט	⬣	C	L	
616448	2.5	75	160	34
616449	3	75	175	37
616450	4	75	175	68
616451	5	75	185	93
616452	6	100	210	128
616453	8	100	210	203

596/6A

מספרי ברזל





מק"ט	L	A	B	C	
610963	300	26	40	16	737
610964	350	26	55	24	805
610965	450	34	70	36	1500
610966	600	38	84	40	2600
610967	750	43	96	46	3950
610968	900	47	109	50	6300
612984	1050	48	120	46	6900

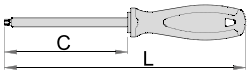
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² ø	max 650 N/mm² ø
610963	300	3	5
610964	350	3,5	5
610965	450	5	8
610966	600	7	10
610967	750	8	13
610968	900	9	16
612984	1050	10	19

621VDETBI

מברג TORX מבודד 1000V



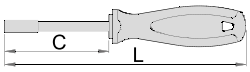


מק"ט	✸	C	L	
616454	TX 10	60	140	35
616455	TX 15	80	180	37
616456	TX 20	80	180	43
616457	TX 25	80	180	63
616458	TX 27	100	210	76
616459	TX 30	100	210	98

629VDETBI

מברג בוקסה מבודד 1000V



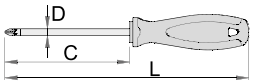


מק"ט	⬡	C	L	
616464	5.5	125	225	103
616465	6	125	225	103
616466	7	125	235	123
616467	8	125	235	140
623341	9	125	235	124
616468	10	125	235	157
623342	11	125	235	159
616469	13	125	245	186
623445	14	125	245	166

615TBI

מברג פיליפס



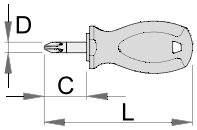


מק"ט	+	C	L	D	
611701	PH 0	60	145	3	34
611702	PH 1	80	180	4.5	60
611703	PH 1	200	300	4.5	74
611704	PH 2	100	210	6	94
611705	PH 2	150	260	6	104
611706	PH 2	200	310	6	114
611707	PH 3	150	270	8	154
611708	PH 4	200	320	10	230

626TBI

מברג בולדוג פיליפס



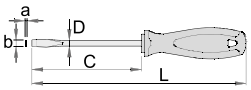


מק"ט	+	C	L	D	
612830	PH 1	25	87	4.5	37
612831	PH 2	25	87	6	41
617088	PH 2	35	97	6.0	43

605TBI

מברג שטוח



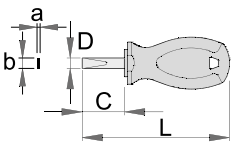


מק"ט	axb	C	L	D	
612810	0.4 x 2.5	60	145	2.5	33
611687	0.4 x 2.5	75	160	2.5	34
611688	0.5 x 3.0	80	165	3	35
612811	0.5 x 3.0	100	185	3	37
611689	0.5 x 3.0	125	210	3	37
612812	0.5 x 3.0	150	235	3	39
612813	0.6 x 3.5	75	160	3.5	37
611690	0.6 x 3.5	100	185	3.5	39
611691	0.6 x 3.5	125	210	3.5	40
611692	0.8 x 4.0	100	185	4	41
612814	0.8 x 4.0	125	210	4	44
611693	0.8 x 4.0	150	235	4	46
612815	0.8 x 4.0	200	285	4	53
612816	1.0 x 5.5	100	200	5	68
611694	1.0 x 5.5	125	225	5	70
611695	1.0 x 5.5	150	250	5	74
612817	1.2 x 6.5	100	210	6	93
612818	1.2 x 6.5	125	235	6	98
611696	1.2 x 6.5	150	260	6	103
611697	1.2 x 6.5	200	310	6	115
611698	1.2 x 8.0	175	295	7	143
612819	1.6 x 8.0	175	295	7	143
611699	1.6 x 10.0	200	320	8	173
611700	2.0 x 12.0	250	370	9	223

627TBI

מברג בולדוג שטוח



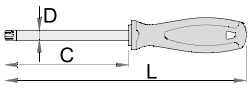


מק"ט	axb	C	L	D	
612832	0.6 x 3.5	25	87	3.5	33
612833	0.8 x 4.0	25	87	4	41
612834	1.0 x 5.5	25	87	5.5	40
612835	1.2 x 6.5	25	87	6.5	34
617092	1.2 x 6.5	35	97	6.5	36

621/1TBI

מברג אלן TORX עם חור



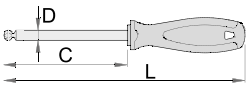


מק"ט	☼	C	L	D	
611734	TR 10	80	165	3	35
611735	TR 15	80	165	3.5	37
611736	TR 20	100	185	4	43
611737	TR 25	100	200	4.5	63
611738	TR 27	115	215	5.5	76
611739	TR 30	115	225	6	98
611740	TR 40	130	250	7	130

620TBI

מברג אלן כדורי



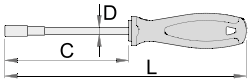


מק"ט	⬣	C	L	D	
611715	2	65	150	3	31
611716	2.5	75	160	3	34
611717	3	75	160	3.5	37
611718	4	100	200	5	68
611719	5	100	210	6	93
611720	6	125	245	7	128
611721	8	150	270	10	203

629TBI

מברג בוקסה



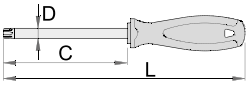


מק"ט	⬣	C	L	D	
611746	5	125	235	5,2	92
612672	5.5	125	235	5,2	103
611747	6	125	235	5,2	103
611748	7	125	245	6,2	123
611749	8	125	245	6,2	140
611750	9	125	245	6,2	155
611751	10	125	245	8,2	157
611752	11	125	245	8,2	166
611753	12	125	245	9,2	184
611754	13	125	245	9,2	186

621TBI

מברג אלן TORX



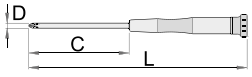


מק"ט	✸	C	L	D	
611722	TX 6	60	145	3	34
611723	TX 7	60	145	3	34
611724	TX 8	60	145	3	34
611725	TX 9	60	145	3	34
611726	TX 10	80	165	3	35
611727	TX 15	80	165	3,5	37
611728	TX 20	100	185	4	43
611729	TX 25	100	200	4.5	63
611730	TX 27	115	215	5.5	76
611731	TX 30	115	225	6	98
611732	TX 40	130	250	7	130
611733	TX 45	130	250	8	148

615E

מברג פיליפס לאלקטרוניקה

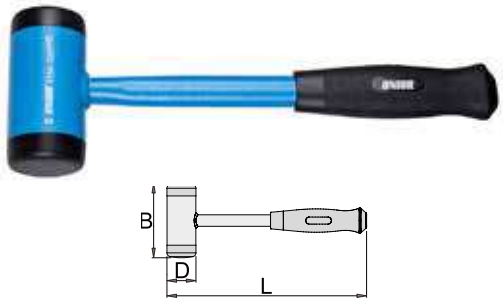




מק"ט	+	C	L	D	
608304	PH 000	60	153	2.5	12
608305	PH 00	60	153	2.5	12
608306	PH 0	60	153	3	14
608307	PH 1	80	173	4.5	22

819A

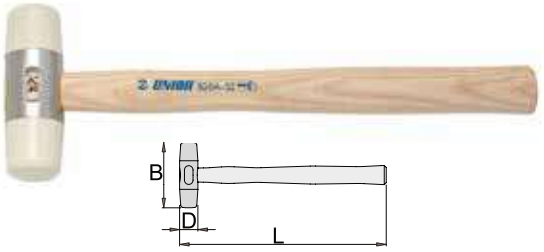
פטיש ללא רתע



מק"ט	D	L	B	
615034	45	315	116	866
628815	55	345	114	1250

820A

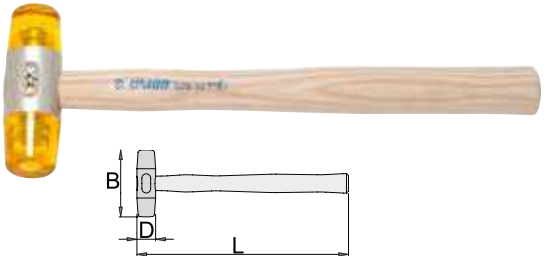
פטיש פלסטיק



מק"ט	D	L	B	
605491	22	260	80	160
605492	27	280	90	230
605493	32	300	100	335
605494	40	320	112	535
605495	50	360	120	870

820

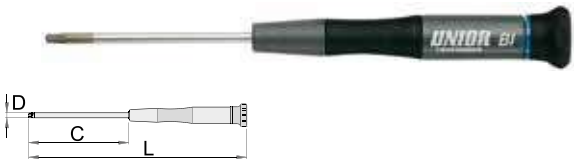
פטיש פלסטיק



מק"ט	D	L	B	
601832	22	260	80	165
601833	27	280	90	245
601834	32	300	100	321
601835	40	320	112	565
601836	50	360	120	830

621E

מברג TORX לאלקטרוניקה



מק"ט	✱	C	L	D	
604546	TX 4	60	153	3	12
604547	TX 5	60	153	3	12
608310	TX 6	60	153	3	13
608311	TX 7	60	153	3	14
608312	TX 8	60	153	3	12
608313	TX 9	60	153	3	15
608314	TX 10	60	153	3	14
608315	TX 15	60	153	3.5	17
608316	TX 20	80	173	4	19

605E

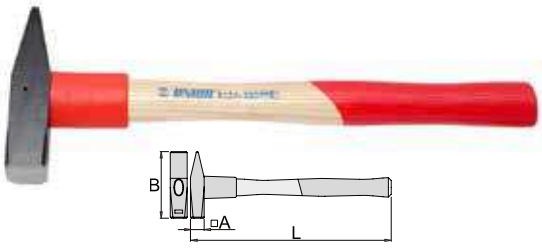
מברג אלקטרוניקה שטוח



מק"ט	axb	C	L	D	
608296	0.25 x 1.2	60	153	2.5	10
608297	0.23 x 1.5	60	153	2.5	11
608298	0.3 x 1.8	60	153	2.5	12
608299	0.4 x 2.5	75	168	2.5	12
608300	0.5 x 3.0	100	193	3	13
608301	0.5 x 3.0	150	243	3	18
608302	0.8 x 4.0	100	193	4	23
608303	0.8 x 4.0	150	243	4	28

812A

פטיש ברזל עם מגן



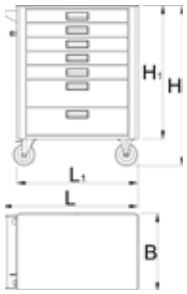
מק"ט	gr	A	L	B	
602537	300	22,5	300	105	380
602538	500	27,5	320	118	646
602539	800	33	350	130	960
603164	1000	36	360	135	1170

940EM1

דגם יורומוישן - חדש

- 7 מגירות
- כושר נשיאה למגירה: עד 45 ק"ג
- כושר נשיאה כללי: עד 500 ק"ג





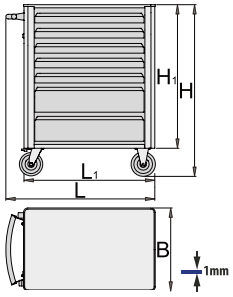
מק"ט	L	B	H	L1	H1	
629589	780	440	923	700	768	53600

940EV4

עגלת כלים

- 7 מגירות
- כושר נשיאה למגירה: עד 45 ק"ג





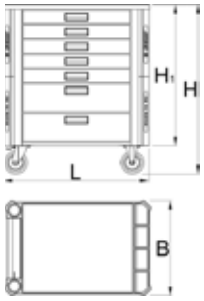
מק"ט	L	B	H	L1	H1	
619885	800	440	923	700	768	57000

940OPLUS3

דגם יורופלוס - חדש

- 7 מגירות
- כושר נשיאה למגירה: עד 45 ק"ג
- כושר נשיאה כללי: עד 500 ק"ג





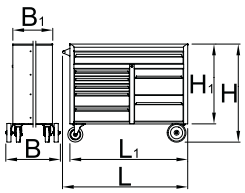
מק"ט	L	B	H	H1	
629590	801	524	931	778	61600

940JUMBO2

דגם ג'מבו 2

- 8 מגירות
- כושר נשיאה: עד 600 ק"ג





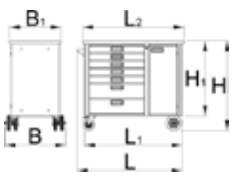
מק"ט	L	L1	L2	B	B1	H	H1	
628932	1337	1258	1080	825	680	1047	856	140400

940H4

דגם הרקולס - חדש

- 7 מגירות וארונית
- כושר נשיאה למגירה: עד 45 ק"ג
- כושר נשיאה כללי: עד 550 ק"ג





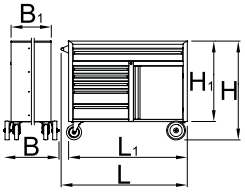
מק"ט	L	L1	L2	B	B1	H	H1	
629591	1182	1040	1080	640	550	955	800	90800

940JUMBO3

דגם ג'מבו 3

- כושר נשיאה למגירה: עד 90 ק"ג
- כושר נשיאה כללי: עד 600 ק"ג





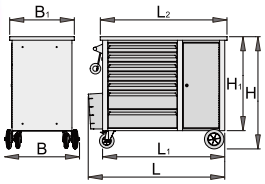
מק"ט	L	L1	L2	B	B1	H	H1	
626250	1337	1258	1080	825	680	1047	856	156000

940H2BLOCK

עגלת כלים דגם הרקולס



- 7 מגירות וארונית
- כושר נשיאה למגירה: עד 45 ק"ג
- כושר נשיאה כללי: עד 550 ק"ג



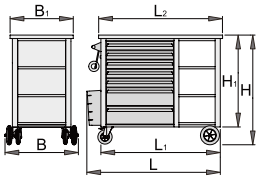
מק"ט	L	L1	L2	B	B1	H	H1	
626800	1182	1040	1080	640	550	955	800	96200

940H3

עגלת כלים דגם הרקולס



- 7 מגירות ומדפים
- כושר נשיאה למגירה: עד 45 ק"ג
- כושר נשיאה כללי: עד 550 ק"ג



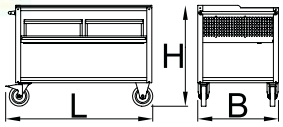
מק"ט	L	L1	L2	B	B1	H	H1	
615512	1182	1040	1080	640	550	955	800	94200

991LMS.T1

עגלת עבודה מעמס גבוה



- כושר נשיאה: עד 300 ק"ג

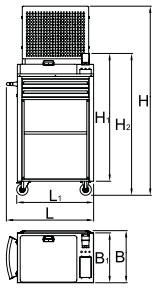


מק"ט	L	B	H	L1	H1	
628540	1350	800	1000	1423	767	123000

994W

עמדת מחשב ניידת דגם W



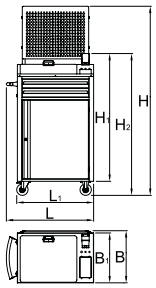


מק"ט	L	L1	B	B1	H	H1	H2	
628371	770	673	460.5	440	1669	1125	1252	45000

994WD

עמדת מחשב ניידת דגם WD





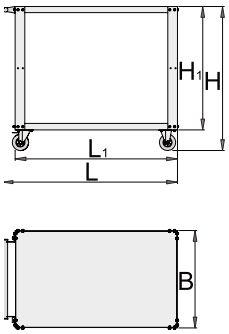
מק"ט	L	L1	B	B1	H	H1	H2	
628372	770	673	460.5	440	1669	1125	1252	50000

940T

עגלת שירות

› כושר נשיאה למדף:
עד 100 ק"ג



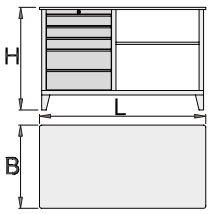


מק"ט	L	B	H	L1	H1	
627351	1072	600	887	1000	760	30000

946A

שולחן עבודה





מק"ט	L	B	H	
612328	1500	750	925	116000

990MA3

עמדת עבודה

› שולחן בגודל 200x750 מ"מ
› ניתן לקבוע את גובה הרגליים
› הכנות חשמל



מק"ט		
625753	2 m	13

900LA (100x650x690x1110 (2x)), **990C** (2000), **990TW** (2000x750x40), 990SL (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990HPC** (983x73x131 2x)), **990B** (952x1018 (2x)), **997.1** (50 (2x))

990MA7

שולחן עבודה



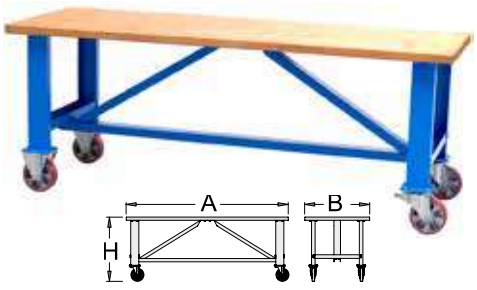
מק"ט		
625757	1,5 m	6

900LA (100x650x690x1110 (2x)), **990TW** (1500x750x40), **990NDH4** (475x650x430), **990NDH** (475x650x430), **990C** (1500)

990T

שולחן עבודה נייד

› כושר נשיאה עד 1 טון

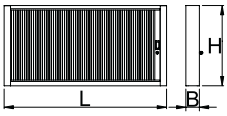


מק"ט	A	B	H	
621448	2000	750	795	90000

990CA

ארון תריס עם מנעול



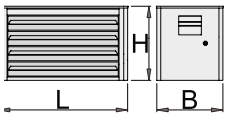


מק"ט	L	B	B1	H	
625668	1000	125	157	740	27600
612330	1500	125	157	740	30000

939/4EV

ארון מגירות קטן





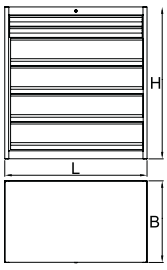
מק"ט	L	B	H	
620420	690	355	394	24800

991HD

ארון מגירות מעמס גבוה



- 6 מגירות
- 2 מגירות עליונות: עד 90 ק"ג
- 4 מגירות: עד 180 ק"ג



מק"ט	L	B	H	
628257	1121	700	1304	215000

990MA1

עמדות עבודה דגם A1



מק"ט		
625751	2 m	20

900WD6 (663x650x870), **990ND6** (475x650x870), **990TW** (2000x750x40), **990SL** (32x45x1155), **990SR** (32x45x1155), **990SM** (32x45x1155), **990HPC** (983x73x131 2x)), **990B** (952x1018 (2x)), **990HL** (999 (2x)), **990LIGHT** (900 (2x)), **990HPB** (1000), PB.**990HPB** (235X155X125 (2x)), **990SHELF** (1000), 997.1 (50 (2x))

990MA15

שולחן עבודה דגם A15

- שולחן בגודל 200x750 מ"מ



מק"ט		
627545	2 m	4

900LA (100x650x690x1100 (2x)), **990C** (2000), **990TW** (2000x750x40)

1112

תיק נשיאה



מק"ט	L	B	H	
628162	510	280	310	1604

949

ארון מגירות



מק"ט	L	B	H	
622671	695	660	2030	135000

1113

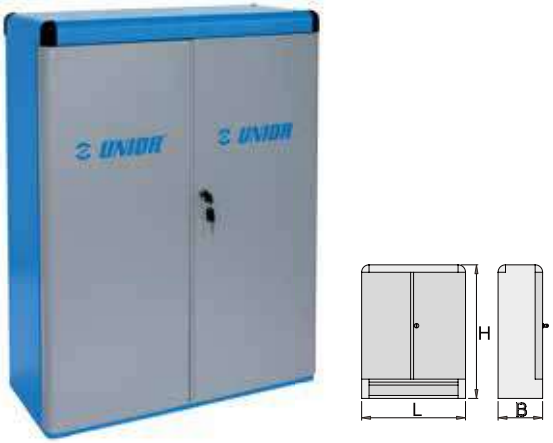
תיק מזוודה טרולי



מק"ט	L	B	H	H1	
628163	460	270	400	1050	4525

948E2

ארון תליה

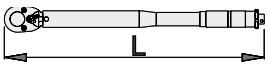


מק"ט	L	B	H	
612216	700	300	900	26000

264

ידית מומנט



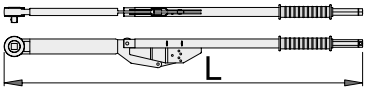


מק"ט	■	Nm	L	
615485	1/4"	2 - 24	270	686
615486	3/8"	5 - 110	360	1100
615487	1/2"	28 - 210	465	1680
615488	1/2"	35 - 350	640	2930
615489	3/4"	70 - 560	840	5600
615490	3/4"	140 - 700	1070	8200
615491	1"	140 - 980	1220	8800

265

ידית מומנט נשברת



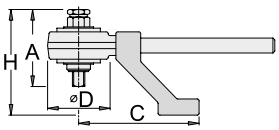


מק"ט	■	Nm	Nm	L	
616802	3/4"	200 - 800	150 - 600	1140	9000
616803	3/4"	300 - 1000	200 - 750	1470	11000

280

מכפיל כוח



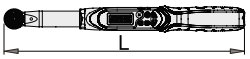


מק"ט	⬡	■	Nm	Nm	⇩⇧	D	A	C	H	
616804	1/2" (32mm)	3/4"	1300	960	5 : 1	108	126	210	180	7000
616805	3/4" (36mm)	1" 2	2700	2000	5 : 1	108	128	210	186	7000

266

ידית מומנט אלקטרונית

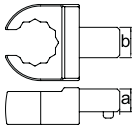




מק"ט	■	Nm	L	axb	
627575	1/4"	1,5 - 30	390	9 x 12	1395
627576	1/2"	6,8 - 135	410	9 x 12	1619
627577	1/2"	10 - 200	545	14 x 18	2268

266INS.3

רינג חתוך לידית מומנט אלקטרונית



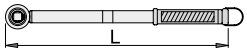


מק"ט	⟷	⬡	axb	
628105	10 (9x12)	10	9 x 12	53
628106	11 (9x12)	11	9 x 12	55
628107	12 (9x12)	12	9 x 12	55
628108	13 (9x12)	13	9 x 12	55
628109	14 (9x12)	14	9 x 12	59
628110	16 (9x12)	16	9 x 12	61
628111	17 (9x12)	17	9 x 12	63
628112	18 (9x12)	18	9 x 12	69
628113	19 (9x12)	19	9 x 12	71
628114	21 (9x12)	21	9 x 12	74
628115	22 (9x12)	22	9 x 12	76
628116	24 (14x18)	24	14 x 18	139

263

ידית מומנט

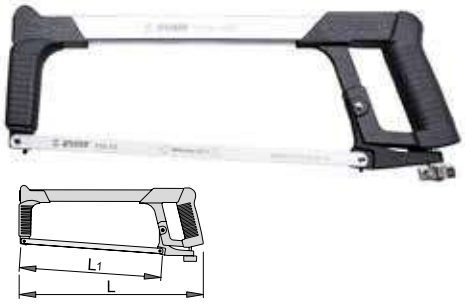




מק"ט	■	Nm	Nm	L	
626765	3/8"	12 - 60	10 - 45	328	700
626766	1/2"	40 - 200	30 - 150	459	1000
626767	1/2"	60 - 340	50 - 250	679	1550

750B

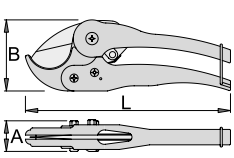
מסור מתכת מקצועי



מק"ט	L	L1	
621531	400	300	731

583/6

חותך צינורות PVC





מק"ט	L		
605418	195	1	295
609405	210	1.5	385

639PB

סט חולצי או-רינג



מק"ט	
617777	4

1375/6

משמנת

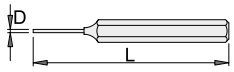


מק"ט	V	
619935	0.5 l	210

641/6

מקב מקביל



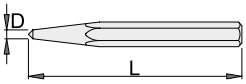


מק"ט	D	L		
601711	2	150	10	65
601712	3	150	10	44
601713	4	150	10	73
601714	5	150	10	73
601715	6	150	10	78
601716	7	150	12	108
601717	8	150	12	115
601719	10	150	12	126

642/6

מדגש



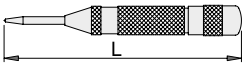


מק"ט	D	L		
601724	3	100	8	38
601725	4	120	10	70
601726	5	120	10	93

642A

מדגש אוטומטי



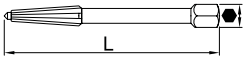


מק"ט		L	
616810	60 - 130	125	70

778/4APB

סט חולצים מקצועי 1-5

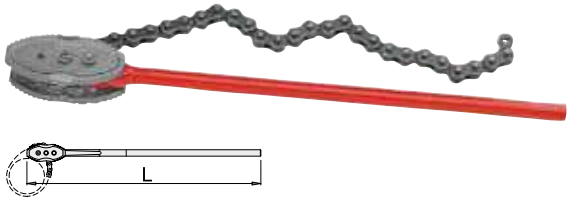




מק"ט		
616830	1 - 5	5

484/6

מפתח שרשרת



מק"ט		Omax	L	
601530	4	160	815	6735
601531	6	200	965	9238
601532	8	300	1130	13000
601533	12	400	1290	18000

300/6B

לום



מק"ט	L	L1		
608815	500	120	18	1180
608816	600	120	18	1385
608817	800	120	18	2190
608821	1000	120	20	2715

2091A

פנס לד נטען



מק"ט	L	A	
627201	170	22	115

2091

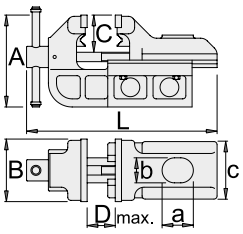
פנס לד מתמגנט



מק"ט	L	A	
620237	250	55	512

721/6

מלחצי שולחן מקצועיים

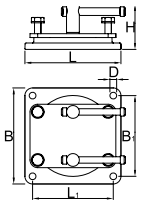




מק"ט	B	L1	L	D	H1	a	b	H	L1	B1	
621564	80	100	215	11 - 35	46	42	28	113	70.4	48	3500
621481	125	160	336	17 - 62	73	66	44	176	110	75	14400
621567	150	190	400	20 - 66	88	80	53	211	132	90	24200
621570	200	220	461	24 - 80	103	93	62	265	154	105	37800

721.1/6

בסיס מסתובב למלחצי שולחן





מק"ט			L	B	H	B1	L1	D
621566	80	2570	96	96	47	81	81	6.5
621483	125	2590	149.9	149.9	70	126	126	10.5
621569	150	5190	190	190	87.5	160	160	13
621572	200	6600	210	210	93.5	176	176	13

722.1/7

בקים מתחלפים למלחציים



מק"ט	B	
623083	80	138
619020	125	378
619021	150	1030
619023	200	1365

722.1AL

בקים אלומיניום מתחלפים למלחציים



מק"ט	B	
623084	80	60
619026	125	156
619027	150	400
619029	200	541

964/28SOS



מק"ט	
621387	52

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), **120/1** (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 26, 25 x 28, 27 x 32), **220/3SPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/7TXPH** (TR8 - TR40x9), **VL964/28SOS** (564x364x30)

964/31SOS



מק"ט	
621390	79

192/2TX (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **192/2TXL** (TX 20, TX 25, TX 27, TX 30, TX 40, TX 45, TX 50, TX 55, TX 60), **191/1** (E 10, E 11, E 12, E 14, E 16, E 18, E 20, E 22, E 24), **192/2ZX** (M 5, M 6, M 8, M 10, M 12, M 14), **192/2ZXL** (M 6, M 8, M 10, M 12, M 14), **192/2HX** (5, 6, 7, 8, 9, 10, 12, 14), **192/2HXL** (5x100, 6x100, 7x100, 8x100, 10x100, 12x100), **190/1 12P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27, 30, 32), **186.4/2** (16, 19, 21), **641/6** (2, 3, 4, 5, 6, 8), **263** (1/2"/40-200 Nm), **VL964/31SOS** (564x364x30)

964/34SOS



מק"ט	
621393	18

193HXS (2.5, 3, 4, 5, 6, 8, 10), **193TX** (TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40, TX 45), **760H1/2S** (200), **764H1/2S** (200), **556B** (160x18), **VL964/34SOS** (564x364x30)

964/37SOS



מק"ט	
621396	28

605TBI (0.5 x 3.0x80, 0.8 x 4.0x100, 1.0 x 5.5x125, 1.2 x 6.5x150, 1.6 x 8.0x175), **615TBI** (PH 0x60, PH 1x80, PH 2x100, PH 3x150), **626TBI** (PH 1x25, PH 2x25), **627TBI** (1.0 x 5.5x25, 1.2 x 6.5x25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **193HXS** (3, 4, 5, 6, 8, 10), **VL964/37SOS** (564x364x30)

964/29ASOS



מק"ט	
623932	28

215/2 (6 x 7, 8 x 10, 13 x 17, 19 x 22, 24 x 27, 30 x 32), **215.1/2** (6 - 17, 18 - 32), **182/2BTX** (E6 x E8, E10 x E12, E14 x E18, E20 x E24), **183/2** (8 x 10, 10 x 11, 11 x 13, 12 x 14, 16 x 18, 17 x 19, 19 x 22, 22 x 24, 24 x 27, 30 x 32), **202/1** (8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19), **VL964/29ASOS** (564x364x30)

964/32ASOS



מק"ט	
623936	14

406/1BI (180), **430/3** (250), **447/1HPP** (240), **466/1BI** (180), **514/1BI** (160), **512/1BI** (200), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **642/6** (5), **660/6** (200), **812** (400), **820A** (40), **VL964/32ASOS** (564x364x30)

964/35SOS



מק"ט	
621394	54

110/1 (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22, 21 x 23, 24 x 27, 25 x 28, 30 x 32), **120/1** (6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 24, 27), **180/1** (6 x 7, 8 x 9, 10 x 11, 12 x 13, 14 x 15, 16 x 17, 18 x 19, 20 x 22), **183/2** (8 x 10, 10 x 11, 11 x 13, 12 x 14, 17 x 19, 19 x 22), **220/3SPH** (1.5, 2, 2.5, 3, 4, 5, 6, 8, 10), **220/7TXPH** (TR8 - TR40x9), **VL964/28SOS** (564x364x30)

964/48SOS



מק"ט	
623989	11

405/1BI (180), **430/3** (250), **447/1HPP** (240), **466/1BI** (180), **508/1BI** (170), **532PLUS/1DP** (180x19 - 60), **534PLUS/1DP** (180x19 - 60), **536PLUS/1DP** (180x19 - 60), **538PLUS/1DP** (180x19 - 60), **582/3P** (145), **819A** (45), **VL964/48SOS** (564x364x30)

964/30SOS



מק"ט	
621389	96

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2PH** (PH 1, PH 2, PH 3), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **238/1 6P** (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22), **238.1/1FBI** (3/8"), **238.2/1BI** (3/8"), **238.3/1** (3/8"), **238.4/2** (3/8"x45, 3/8"x75), **238.4/1** (3/8"x125, 3/8"x250), **238.6/1** (3/8"), **238.7/1** (3/8" - 1/2"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x250, 1/2"x125), **190.6/2** (1/2"), **VL964/29ASOS** (564x364x30)

964/33SOS



מק"ט	
621392	30

605TBI (0.5x3.0x80, 0.8x4.0x100, 1.0x5.5x125, 1.2x 6.5x150, 1.6x8.0x175), **615TBI** (PH 0x60, PH 1x80, PH 2x100, PH 3x150), **626TBI** (PH 1x25, PH 2x25), **627TBI** (1.0 x 5.5x25, 1.2 x 6.5x25), **621TBI** (TX 6, TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **629TBI** (6, 7, 8, 9, 10, 11, 12, 13), **VL964/33SOS** (564x364x30)

964/36SOS

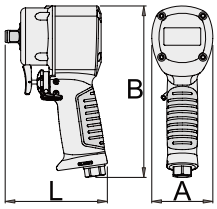


מק"ט	
621395	88

188/2 6P (4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13), **189/2** (E 4, E 5, E 6, E 7, E 8, E 10, E 11), **187/2HX** (3, 4, 5, 6, 7), **187/2TX** (TX 8, TX 10, TX 15, TX 20, TX 25, TX 27, TX 30, TX 40), **187/2SL** (0.8 x 4, 1.0 x 5.5, 1.2 x 7), **187/2PH** (PH 1, PH 2, PH 3), **188.1/1ABI** (1/4"), **188.2/2BI** (1/4"), **188.3/2** (1/4"), **188.4/2** (1/4"x55, 1/4"x150), **188.6/2** (1/4"), **188.7/2** (1/4" - 3/8"), **188.8** (1/4"), **190/1 6P** (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32), **191/1** (E 10, E 11, E 12, E 14), **192/2HX** (6, 7, 8, 9, 10, 12), **192/2TX** (TX 30, TX 40, TX 45, TX 50), **192/2ZXL** (M 6, M 8, M 10, M 12), **190.1/1ABI** (1/2"), **190.2/1BI** (1/2"x380), **190.3/1** (1/2"), **190.4/1** (1/2"x250, 1/2"x125), **190.6/2** (1/2") **VL964/36SOS** (564x364x30)

1563

מפתח אימפקט פנאומטי הינע 1/2

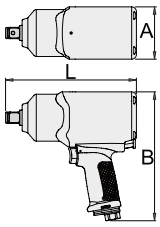




מק"ט	■	L	A	B	Nm	
627568	1/2"	105,4	63	177	745	1329

1573

מפתח אימפקט פנאומטי הינע 3/4

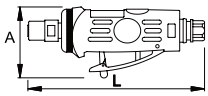




מק"ט	■	L	A	B	Nm	
627571	3/4"	220	88	217	2034	3764

1516

משחזת ציר ישרה

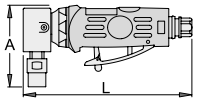




מק"ט	L	A	
617731	155	60	390

1516A

משחזת ציר זויתית



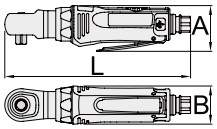


מק"ט	L	A	
617732	162	76	740

1522

ראצ'ט פנאומטי הינע 1/4



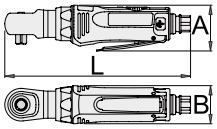


מק"ט	■	L	A	B	Nm	
627565	1/4"	196	49	40,8	41	749

1532

ראצ'ט פנאומטי הינע 3/8



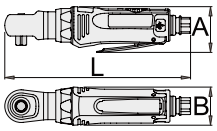


מק"ט	■	L	A	B	Nm	
627566	3/8"	196	49	40,8	54	748

1552

ראצ'ט פנאומטי הינע 1/2

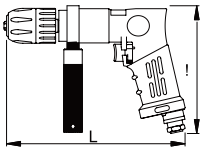




מק"ט	■	L	A	B	Nm	
627567	1/2"	256	56	47,8	90	1332

1515H

מקדחה פנאומטית פוטר אוטומטי - 1800 סל"ד

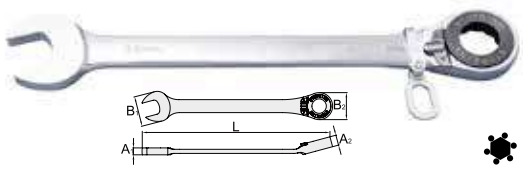




מק"ט	L	B	
617727	220	150	1570

160/2-H

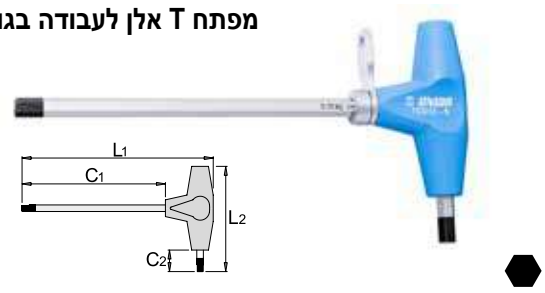
מפתח רינג ראצ'ט פתוח לעבודה בגובה



מק"ט		L	B2	B1	A2	A1	
626389	8	134	17,1	16,7	8,4	4,7	18
626390	9	158	21	21	8,4	5,5	22
626391	10	158	21	21	8,4	5,5	28
626392	11	164	22,6	23	9,7	6	36
626393	12	167	23,8	25	9,7	6,2	43
626394	13	177	24,9	27,5	9,7	6	54
626395	14	189	27	29	10,1	7	64
626396	15	198	28,1	31,5	11,7	7,2	72
626397	16	204	29,9	33	11,7	7,5	86
626398	17	224	31,9	34,9	11,7	8	101
626399	18	245	34,4	38,9	12	8,8	136
626400	19	245	34,4	38,9	19	12	155
626401	21	280	45,7	42,6	14,2	9,5	173
626402	22	280	45,7	42,6	14,2	9,5	198
626403	24	310	51,7	46,5	14,7	10	224

193HX-H

מפתח T אלן לעבודה בגובה



מק"ט		L1	C1	C2	L2	
626177	2,5	132	100	15	61	13
626178	3	132	100	15	61	16
626180	4	155	125	15	61	24
626182	5	188	150	20	88	56
626183	6	188	150	20	88	74
626184	7	223	175	25	113	128
626185	8	223	175	25	113	198
626186	10	248	200	25	113	233

250/1-H

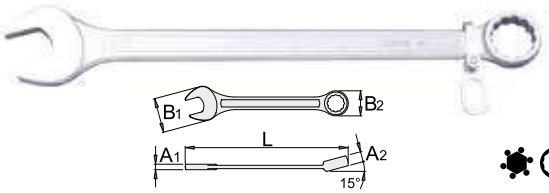
מפתח שבדי לעבודה בגובה



מק"ט		L	A		
626106	200	205	14,4	28	272
626107	250	254	16,9	32	458
626108	300	303,5	19,1	38	709
626109	380	375	23,8	50	1309
626162	450	458,5	26,3	60	1725

120/1-H

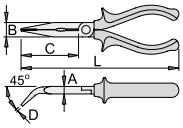
מפתח רינג פתוח לעבודה בגובה



מק"ט		L	B2	B1	A2	A1	
626076	6	119	10,4	14,5	5	3,5	18
626077	7	129	11,5	16,5	5,8	3,9	22
626078	8	141	13,2	18,5	6,9	3,9	28
626079	9	152	14,	321	7,3	4	36
626080	10	163	15,9	23	7,5	4,2	43
626081	11	176	17,8	24,5	8	4,5	54
626082	12	186	19,4	26,5	8,5	4,7	64
626083	13	199	20,4	29,5	8,5	5,2	72
626084	14	210	22	31,5	9	5,2	86
626085	15	222	23,5	33,5	9,5	5,7	101
626086	16	234	24,8	36	10,5	6,2	136
626087	17	245	16,1	38	10,5	6,7	155
626088	18	257	27,7	40	11	7,2	173
626089	19	268	29,3	42	12	7,2	198
626090	20	280	31	44	12,5	7,7	224
626091	21	291	32,6	45,5	13	8,2	255
626092	22	303	34,1	46,5	13	8,2	273
626093	23	314	35,7	50,5	13	8,2	316
626094	24	330	37,3	52,5	14	8,5	361
626095	25	337	39	54,5	14,5	8,5	384
626096	26	349	40,1	56	15	8,5	424
626097	27	360	41,6	57,5	15	9	481
626098	28	373	43,2	59,5	15,1	9	542
626099	29	383	44,9	61,5	16	9,5	573
626100	30	395	46,5	63,5	16	10	627
626101	32	416	49	68	16,5	10,5	744
626176	35	500	53,5	78,8	20	13,6	1540
626117	36	500	53,5	78,8	20	13,6	1485
626174	38	515	58	82,8	20,5	14,1	1458
626118	41	540	62	86,8	21	14,6	2113
626295	1/4"	119	10,4	14,5	5	3,5	18
626296	5/16"	142	13,2	18,5	6,9	3,9	28
626297	3/8"	153	14,3	21	7,3	4	33
626298	7/16"	176	17,8	24,5	8	4,5	53
626299	1/2"	199	20,4	29,5	8,5	5,2	74
626300	9/16"	211	22	31,5	9	5,2	83
626301	5/8"	234	24,8	36	10,5	6,2	135
626302	11/16"	245	26,1	38	10,5	6,7	153
626303	3/4"	268	29,3	42	12	7,2	200
626304	13/16"	291	32,6	45,5	13	8,2	258
626305	7/8"	303	34,1	46,5	13	8,2	274
626306	15/16"	330	37,3	52,5	14	8,5	358
626307	1"	337	39	54,4	14,5	8,5	389
626308	1.1/16"	360	41,6	57,5	15	9	477
626309	1.1/8"	372	43,2	59,5	15,5	9	535
626310	1.1/4"	417	49	68	16,5	10,5	748
626311	1.5/16"	417	49	68	16,5	10,5	740
626312	1.3/8"	500	53,5	78,8	20	13,6	1529
626313	1.7/16"	500	53,5	78,8	20	13,6	1489
626314	1.1/2"	500	53,5	78,8	20	13,6	1473
626315	1.5/8"	540	62	86,8	21	14,6	2132
626316	1.11/16"	540	62	86,8	21	14,6	2096

512/1BI-H

פלייר שפיץ אף עקום לעבודה בגובה





מק"ט	L	A	B	C	D	
626962	170	9	17	61	2,5	156
626192	200	9	17	77	2,5	205

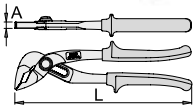
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² Øī	max 650 N/mm² Øī
626962	170	1,6	2,0
626192	200	1,8	2,5

447/1HPP-H

פלייר משאבות לעבודה בגובה



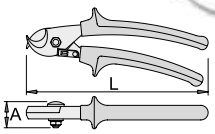


מק"ט	L	A	Omax	
626343	240	8,5	40	406

580/1BI-H

חותך כבל לעבודה בגובה

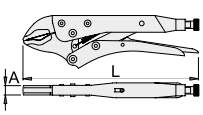




מק"ט	L	A	Øī	
626202	230	22	17	458

429/3-H

פלייר פטנט לעבודה בגובה

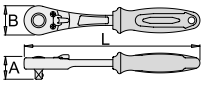




מק"ט	L	A	Omax	
626163	160	10	20,5	230
626263	180	11	20	323

190.1/1ABI-H

ידית ראצ'ט הינע 1/2 לעבודה בגובה

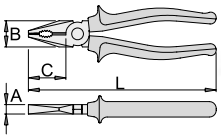




מק"ט	■	L	A	B	
626245	1/2"	260	36	45	456

405/1BI-H

פלייר לעבודה בגובה





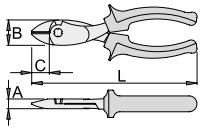
מק"ט	L	B	C	A	
626958	160	24	25	9,5	223
626959	180	27	38	10	274

cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² Øī	max 650 N/mm² Øī
626958	160	1,6	2,0
626959	180	1,8	2,5

466/1BI-H

חותך צד לעבודה בגובה





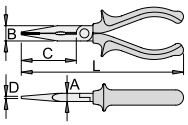
מק"ט	L	B	A	C	
626960	160	23,5	10	20,5	230
626961	180	28	11	20	323

cutting capacity (10N=1kg)

מק"ט	L	max 2150 N/mm² Øī	max 650 N/mm² Øī
626960	160	1,6	2,0
626961	180	1,8	2,5

508/1BI-H

שפיץ פלייר לעבודה בגובה





מק"ט	L	A	B	C	D	
626189	200	9	17	77	2,5	205

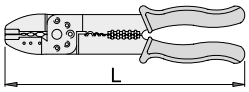
cutting capacity (10N=1kg)

מק"ט	L	max 1600 N/mm² Øī	max 650 N/mm² Øī
626189	200	1,6	2,0

425/4B-H

מסיר בידוד לעבודה בגובה



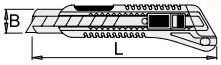


מק"ט	mm²	L	gr
626110	1,5 - 6	240	312

556A-H

סכין יפני לעבודה בגובה



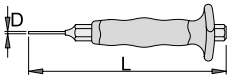


מק"ט	L	B	gr
626289	160	18	99

641/6HS-H

מקב מקביל לעבודה בגובה



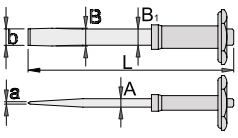


מק"ט	D	L	⬣	gr
626327	2	150	10	81
626328	3	150	10	76
626329	4	150	10	79
626330	5	150	10	83
626331	6	150	10	86
626332	8	150	12	99

660/6HS-H

איזמל שטוח לעבודה בגובה





מק"ט	L	axb	B	gr
626195	250	4 x 26	24	615

605TBI-H

מברג שטוח לעבודה בגובה

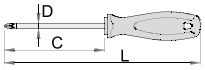


מק"ט	axb	C	L	D	gr
626233	0,4 x 2,5	75	160	2,5	34
626234	0,5 x 3,0	80	165	3	40
626235	0,8 x 4,0	100	185	4	41
626236	1,0 x 5,5	125	225	5,5	79
626237	1,2 x 6,5	150	260	6	103
626238	1,2 x 8,0	175	295	7	164
626239	1,6 x 10,0	200	320	8	195

615TBI-H

מברג פיליפס לעבודה בגובה



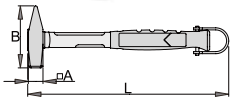


מק"ט	+	C	L	D	gr
626241	PH 1	80	180	4	65
626242	PH 2	100	210	6	94
626243	PH 3	150	270	8	176

812-H

פטיש לעבודה בגובה





מק"ט	gr	A	L	B	gr
627543	500	28	330	118	950

220/3MH-H

אלן אולר לעבודה בגובה



מק"ט	⟷	gr
626232	2.5, 3, 4, 5, 6, 8, 10	341

1107

חגורה עם 6 טבעות עגינה
(עד 30 ק"ג)



מק"ט	L	
627332	114	225

1108DS

רצועה אלסטית למניעת נפילת ציוד מגובה
(טבעת מסתובבת)



מק"ט	⟷	L	L1	
627333	1 m/5 kg	1000	1900	132

1108DD

רצועה אלסטית למניעת נפילת ציוד מגובה
(2 טבעות סטטיות)



מק"ט	⟷	L	L1	
627335	1 m/5 kg	1000	1900	108

1108DB

רצועה אלסטית למניעת נפילת ציוד מגובה
טבעת אחת - מתאים לכלי עבודה מבודדים

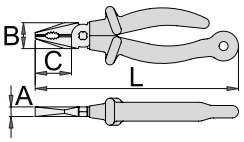


מק"ט	⟷	L	L1	
627334	1 m/5 kg	1000	1900	107

406/1VDP-H

פלייר מבודד לעבודב בגובה





מק"ט	⟷	L	B	C	A	
626963	180	215	27	38	10	276

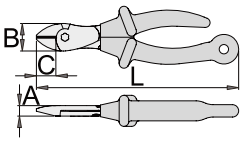
cutting capacity (10N=1kg)

מק"ט	⟷	max 1600 N/mm² Ø	max 650 N/mm² Ø
626963	180	1,8	2,5

466/1VDP-H

חותך צד מבודד לעבודה בגובה





מק"ט	⟷	L	B	A	C	
626964	180	215	28	11	21	276

cutting capacity (10N=1kg)

מק"ט	⟷	max 2150 N/mm² Ø	max 650 N/mm² Ø
626964	180	1,8	3,0

1109

קרבינה עם הברגה



מק"ט	⟷	
627336	6 x 60	29
627337	8 x 80	66





מטרסו
מאז 1964

טל': 03-6822084, 03-6820720
פקס: 03-6819088.
info@mataraso.co.il
WWW.MATARASO.CO.IL

המחירים מומלצים לא כוללים מע"מ | ט.ל.ח

משווק על ידי:

ISO 9001:2015 IQC

IQ418 ספק תע"א

ספק משהב"ט