

Cutting Tools



ROUND DIES

DIN 223 B
HSS



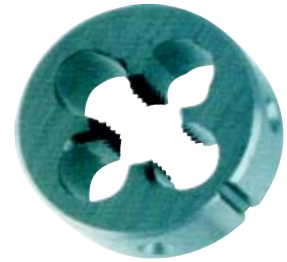
For ISO metric thread as per DIN 13

Thread mm	Pitch mm	Outside	Model No.
M2	.4	16x5mm	314-9001
M2.5	.45	16x5mm	314-9003
M3	.5	20x5mm	314-9005
M3.5	.6	20x5mm	314-9007
M4	.7	20x5mm	314-9009
M5	.8	20x7mm	314-9011
M6	1.0	20x7mm	314-9013
M7	1.0	25x9mm	314-9015
M8	1.25	25x9mm	314-9017
M10	1.5	30x11mm	314-9019
M12	1.75	38x14mm	314-9021
M14	2.0	38x14mm	314-9023
M16	2.0	45x14mm	314-9025

Thread mm	Pitch mm	Outside	Model No.
M18	2.5	45x18mm	314-9027
M20	2.5	45x18mm	314-9029
M22	2.5	55x22mm	314-9031
M24	3.0	55x22mm	314-9033
M27	3.0	65x25mm	314-9035
M30	3.5	65x25mm	314-9037
M33	3.5	65x25mm	314-9039
M36	4.0	65x25mm	314-9041
M39	4.0	75x30mm	314-9043
M42	4.5	75x30mm	314-9045
M45	4.5	90x36mm	314-9047
M48	5.0	90x36mm	314-9049
M52	5.0	90x36mm	314-9051

ROUND DIES

DIN 223 B
HSS



For
DIY-kits,
25mm
outside diameter,
for all sizes of threads

Thread (mm)	Pitch (mm)	Outside (mm)	ModelNo.
M3	0.5	25 x 9	314-9103
M4	0.7	25 x 9	314-9104
M5	0.8	25 x 9	314-9105
M6	1.0	25 x 9	314-9106
M8	1.25	25 x 9	314-9108
M10	1.5	25 x 9	314-9110
M12	1.75	25 x 9	314-9112

ROUND DIES

MF DIN223 B
HSS



For ISO metric fine thread
as per DIN 13

Thread mm	Pitch mm	Outside	Model No.
M3	.35	20x5mm	314-9201
M4	.35	20x5mm	314-9203
M4	.50	20x5mm	314-9205
M5	.50	20x5mm	314-9207
M6	.50	20x5mm	314-9208
M6	.75	25x7mm	314-9209
M8	.50	25x9mm	314-9210
M8	.75	25x9mm	314-9211
M8	1.0	25x9mm	314-9212
M10	1.0	30x11mm	314-9213
M10	.75	30x11mm	314-9214

Thread mm	Pitch mm	Outside	Model No.
M10	1.25	30x11mm	314-9215
M12	1.0	30x11mm	314-9217
M12	1.25	38x11mm	314-9219
M12	1.5	38x10mm	314-9221
M14	1.0	38x10mm	314-9223
M14	1.25	38x10mm	314-9225
M14	1.5	38x10mm	314-9227
M16	1.0	45x14mm	314-9229
M16	1.5	45x14mm	314-9231
M18	1.0	45x14mm	314-9232
M18	1.5	45x14mm	314-9233

Thread mm	Pitch mm	Outside	Model No.
M20	1.0	45x14mm	314-9234
M20	1.5	45x14mm	314-9235
M22	1.0	55x16mm	314-9236
M22	1.5	55x16mm	314-9237
M22	2.0	55x16mm	314-9238
M24	1.5	55x16mm	314-9239
M24	2.0	55x16mm	314-9241
M27	1.5	65x18mm	314-9243
M27	2.0	65x18mm	314-9245
M30	1.5	65x18mm	314-9247
M30	2.0	65x18mm	314-9249



Model No. 318-0007



Model No. 318-0003

HAND TAPPERS

E-Z TAPPER MINITAPPER

Perpendicular tapped holes.

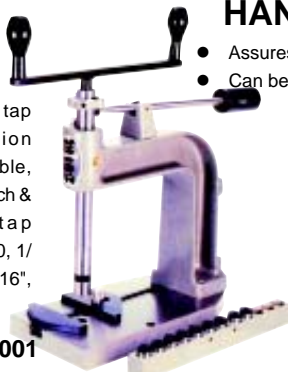
Both units are furnished complete with tap guide, machined work table, tap spindle wrench, and steel tap adapters for use with spiral point taps.

	Model No. 318-0007	Model No. 318-0003
Large Tapper		
Table length	13"	8-1/2"
Table width	8"	6"
Height	14"	9"
Clearance height	7"	3-3/4"
Depth of throat	7-1/2"	4-1/2"
Approx. Weight	35 lbs	12 lbs
Tap Adapters	9 (#8-3/4")	7 (#0-5/16")

HAND TAPPERS

- Equipped with tap guide, precision ground work table, tap spindle, wrench & nine steel tap adapters: 6, 8, 10, 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8".

Model No. 318-0001



- Assures straight perpendicular tapped holes.
- Can be used vertical, horizontal or inverted.

Descriptions	Model No. 318-0001
Table length	12-1/2"
Table width	6-1/2"
Table area	6-1/2" x 10"
Height	13"
Clearance height	7"
Depth of throat	7-1/2"
Weight (Approx.)	37 lbs.

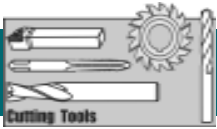


DIE HOLDERS

- Ideal for short or medium run threading at shafts
- Used safely on lathes, milling machines and tapping heads

Die Holders Set
Model No. 318-2333
Set include all three sizes

Body	Shank	Die dia.	Model No.
1- 1/2" D X 1"	1/2" D X 2"	13/16"	318-2031
1- 1/2" D X 1"	1/2" D X 2"	1"	318-2032
2"D X 1-1/4"	3/4" D X 2"	1-1/2"	318-2033



Cutting Tools

TAP WRENCHES

DIN 1814

Adjustable zinc die casting made



Size	Length	For Taps	Model No.
0	130mm	M 1-8	318-0200
1	188mm	M 1-10	318-0215
1-1/2	215mm	M 1-12	318-0220
2	280mm	M 3.5-12	318-0225
3	380mm	M 5-20	318-0230
4	500mm	M 11-27	318-0235
5	700mm	M 13-32	318-0240

DIE STOCKS

DIN 225,

Zinc die casting made



Size	Length	For Taps	Model No.
16 x 5mm	160mm	M 1-2.6	318-2025
20 x 5mm	200mm	M 3-4	318-2030
20 x 7mm	200mm	M 4.5-6	318-2035
25 x 9mm	224mm	M 7-9	318-2040
30 x 11mm	280mm	M 10-11	318-2045
38 x 14mm	315mm	M 12-14	318-2050
45 x 18mm	450mm	M 16-20	318-2055
55 x 22mm	560mm	M 22-24	318-2060
65 x 25mm	630mm	M 27-36	318-2065

SOCKET TAP WRENCHES

DIN 377



Size	Description	Model No.
2.1x60mm	for tap DIN352 M1-2.6	318-5021
2.4x70mm		318-5024
2.7x80mm	for tap DIN352 M3	318-5027
3.0x90mm	for tap DIN352 M3.5	318-5030
3.4x95mm	for tap DIN352 M4	318-5034
3.8x100mm		318-5038
4.3x105mm	for tap DIN351NO.10UNC	318-5043
4.9x110mm	for tap DIN352 M4.5-8	318-5049
5.5x115mm	for tap DIN352 M9-10	318-5055
6.2x120mm	for tap DIN352 M11	318-5062
7.0x125mm	for tap DIN352 M12	318-5070

Size	Description	Model No.
8.0x125mm		318-5080
9.0x130mm	for tap DIN352 M13-16	318-5090
10.0x140mm		318-5100
11.0x150mm	for tap DIN352 M18	318-5110
12.0x155mm	for tap DIN352 M20	318-5120
13.0x160mm		318-5130
14.5x175mm	for tap DIN352 M22-24	318-5145
16.0x180mm	for tap DIN352 M27	318-5160
18.0x200mm	for tap DIN352 M30	318-5180
20.0x220mm	for tap DIN352 M32	318-5200
22.0x230mm	for tap DIN352 M36	318-5220

EXTENSION TAP WRENCHES



- Attractive finish.
- Made of steel.
- Precision tap extension.
- 4 jaw chuck.

Tap Capacity	Length	Model No.
# 0-1/4" (1.5-6mm)	7"/175mm	318-0140
# 12-1/2" (6-12mm)	10-3/4"/273mm	318-0145

MINI TAP HANDLE

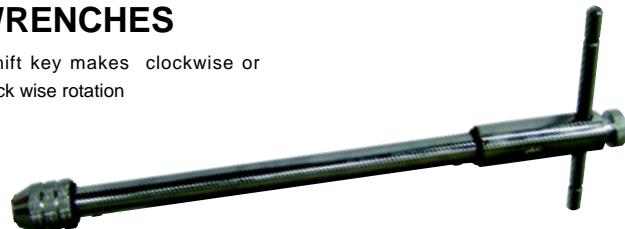


- Handy tapping tool.
- Ideally suitable for jewelers, watch makers, and small tapping application

Tap Capacity	Model No.
1/4" (6mm)	318-0251
1/2" (12mm)	318-0252
2 piece set	318-0254

T- HANDLE TAP WRENCHES

European Style Ratchet shift key makes clockwise or counter clock wise rotation



Description	Plain Model No.	Ratchet Model No.
Length 85mm, for tap DIN M3-10	318-5305	318-5315
Length 110mm, for tap DIN M5-12	318-5310	318-5320
length 250mm, for tap DINM3-10	318-5306	318-5335
length 300mm, for tap DIN M5-12	318-5311	318-5340