

1-800-GRAINGER (472-4643)

For more information on taps, see page 2159.

IRWIN
HANSON.

BOSCH

GEARWRENCH®

WESTWARD

GREENLEE
THREADING

CLE-LINE.

CLEVELAND

High-Speed Steel Taps & High-Speed Steel Dies 1PZ44



Tap and Die Sets

Sets contain multiple taps and dies for threading tasks. Taps create internal threads in holes, and dies create or repair external threads on parts that will be installed in the holes.

No. of Pieces	Min. Tap Thread Size	Max. Tap Thread Size	Max. Die Thread Size	Brand	Item No.
Carbon Steel Taps & Carbon Steel Die Sets					
Plug, Taper Tap Chamfer & Hex Die Shape					
40	1/8"-27	1/2"-13, 1/2"-20	1/2"-20	Irwin Hanson	40L827
40	#4-40	1/2"-20	1/2"-20	Bosch	55HY18
40	M3x0.5	M12x1.75	M12x1.75	Bosch	55HY19
41	M3x0.5	M12x1.50, M12x1.75	M12x1.75	Irwin Hanson	8ANC7
42	#4-40	1/2"-20	1/2"-20	Gearwrench	3KLR5
42	M3x0.5	M12x1.75	M12x1.75	Gearwrench	3KLR4
66	M3x0.5	M24x3.00	M24x3	Irwin Hanson	2ETL6
77	M3x0.5	12x1.75	M12x1.75	Gearwrench	3KLR3
114	M3x0.5	M18x2.50	M18x2.5	Gearwrench	3KLR6
116	#4-40	1/2"-13, 1/2"-20	1/2"-20	Irwin Hanson	40L824
Plug, Taper Tap Chamfer & Round Die Shape					
39	#4-40	1/2"-13	1/2"-13	Westward	1PZ49
41	1/4"-20	3/4"-16	3/4"-16	Westward	1PZ51
64	#4-40	1 in	1"-14	Westward	1PZ53
110	#4-40	M18	3/4"-16	Westward	1PZ54
Plug Tap Chamfer & Hex Die Shape					
12	#10-32	1/4"-20	1/4"-20	Irwin Hanson	2ETL2
24	1/8"-27	1/2"-20	1/2"-20	Irwin Hanson	5VUC7
40	1/8"-28	M12x1.75	M12x1.75	Irwin Hanson	40L829
41	1/8"-20	1/2"-13, 1/2"-20	1/2"-20	Irwin Hanson	2ETL3
53	1/8"-27	3/4"-16	3/4"-16	Irwin Hanson	9K174
53	M3x0.5	M18x2.50	M18x2.5	Irwin Hanson	9K175
75	1/4"-20	1/2"-20	1/2"-20	Irwin Hanson	40L825
76	#4-40	1/2"-20	1/2"-20	Irwin Hanson	2ETL4
Plug Tap Chamfer & Round Die Shape					
12	1/4"-20	1/2"-13	1/2"-13	Westward	1PZ39
16	1/4"-20	3/4"-10	3/4"-10	Westward	1PZ40
21	1/4"-20	3/4"-10	3/4"-10	Westward	1PZ41
22	1/4"-20	1/2"-20	1/2"-20	Westward	1PZ48
30	1/4"-20	3/4"-16	3/4"-16	Westward	1PZ42
45	1/4"-20	1 in	1"-14	Westward	1PZ43
High-Speed Steel Taps & Carbon Steel Die Sets					
Plug, Taper Tap Chamfer & Round Die Shape					
41	M3x0.5	1/2"-13, 1/2"-20	1 1/2 in	Irwin Hanson	40L831
Plug Tap Chamfer & Round Adjustable Die Shape					
13	1/4"-20	1/2"-13	1/2"-13	Greenfield Threading	445M58
16	M6x1	M18x2.50	M18x2.5	Greenfield Threading	445M61
18	#4-40	1/4"-20	1/4"-20	Greenfield Threading	53PR87
23	1/4"-20	1/2"-20	1/2"-20	Greenfield Threading	445M59
44	1/4"-20	1"-14	1"-14	Greenfield Threading	445M62
45	1/4"-20	1"-14	1"-14	Greenfield Threading	445M60
Plug Tap Chamfer & Round Die Shape					
10	#12-24	#12-24	#12-24	Greenfield Threading	445M46
10	#2-56	#12-24	#12-24	Cle-Line	50CA41
13	M6x1	M12x1.75	M12x1.75	Greenfield Threading	445M50
13	1/4"-20	1/2"-13	1/2"-13	Greenfield Threading	445M53
13	1/4"-20	1/2"-13	1/2"-13	Cleveland	4ALH0
16	M6x1	M14x2	M16x2	Cleveland	4ALF7
17	#4-40	1/4"-20	1/4"-20	Cleveland	4ALF8
17	#4-40	1/4"-20	1/4"-20	Greenfield Threading	445M52
19	#0-80	#10-24	#10-24	Greenfield Threading	445M54
23	#4-40	#12-28	#12-24	Cleveland	4ALF9
25	1/8"-27	1/2"-20	1/2"-20	Cleveland	4ALH2
39	#12-24	1/2"-13	1/2"-13	Irwin Hanson	35T662
41	1/8"-27	3/4"-16	3/4"-16	Irwin Hanson	35T655
44	1/4"-20	1"-12	1"-12	Greenfield Threading	445M48
45	1/4"-20	1"-14	1"-14	Cleveland	4ALF6
Plug Tap Chamfer & Round Fixed Die Shape					
18	#4-40	1/4"-20	1/4"-20	Cleveland	4ALF1
23	1/4"-20	1"-8	1"-8	Cleveland	4ALF3
23	1/4"-20	1/2"-20	1/2"-20	Cleveland	4ALF5
High-Speed Steel Taps & High-Speed Steel Die Sets					
Plug, Taper Tap Chamfer & Round Fixed Die Shape					
39	#4-40	1/2"-20	1/2"-20	Westward	1PZ36
41	1/8"-27	3/4"-16	3/4"-16	Westward	1PZ50
64	#4-40	1"-14	1"-14	Westward	1PZ37
110	#4-40	3/4"-16	3/4"-16	Westward	1PZ38
Plug Tap Chamfer & Round Die Shape					
13	M6x1	M12x1.75	M12x1.75	Cle-Line	445M63
17	M2.5x0.45	M6x1.00	M6x1	Cle-Line	50AT30
Plug Tap Chamfer & Round Fixed Die Shape					
12	1/4"-20	1/2"-13	1/2"-13	Westward	1PZ44
12	1/4"-28	1/2"-20	1/2"-20	Westward	1PZ45
16	1/4"-20	3/4"-10	3/4"-10	Westward	1PZ34
16	1/4"-28	3/4"-16	3/4"-16	Westward	1PZ33
21	1/4"-20	3/4"-10	3/4"-10	Westward	1PZ46
22	1/4"-20	1/2"-20	1/2"-20	Westward	1PZ47
30	1/4"-20	3/4"-16	3/4"-16	Westward	1PZ35
45	1/4"-20	1"-14	1"-14	Westward	1PZ52

Combination Drill, Tap & Countersink Set 6EXL3



GREENLEE WESTWARD DEWALT GREENLEE

Combination Drill, Tap and Countersink Sets

- Right-hand thread direction
- High-speed steel material

Sets contain multiple combination drill-tap-and-countersink tools in a range of sizes. Combination drills, taps, and countersinks make a hole, create threads in the hole, and countersink the top of the hole in one pass.

No. of Pieces	Thread Sizes Included	Finish - Machining	Brand	Item No.
Combination Drill, Tap & Countersink Sets				
6	1/4"-20, #10-24, #12-32, #12-24, #6-32, #8-32	Bright (Uncoated)	Greenlee	4GB12
6	M10x1.5, M3x0.5, M4x0.7, M5x0.8, M6x1, M8x1.25	Bright (Uncoated)	Greenlee	1ANZ3
6	#10-24, #10-32, #12-24, #6-32, #8-32, 1/4"-20	Bright (Uncoated)	Westward	6EXL3
Combination Drill & Tap Sets				
5	1/4"-20, #10-24, #10-32, #12-24, #8-32	Bright (Uncoated)	DeWalt	49JP52
6	1/4"-20, #10-32, #8-32	Bright (Uncoated)	Greenlee	30HK33
Multiple-Size Tap Sets				
18	#10-24, #10-32, #6-32, #8-32, 1/4"-13, 1/4"-20, 3/8"-16, 3/8"-18, 1/2"-14	Bright (Uncoated)	Greenfield Threading	445M40
18	#10-24, #10-32, #6-32, #8-32, 1/2"-13, 1/4"-20, 3/8"-16, 3/8"-18, 1/2"-14	Bright (Uncoated)	Greenfield Threading	445M42
18	#10-24, #10-32, #6-32, #8-32, 1/2"-13, 1/4"-20, 3/8"-16, 3/8"-18, 1/2"-14	TIN	Greenfield Threading	445M41
20	#10-24, #8-32, 1/2"-13, 1/4"-20, 3/8"-16, 3/8"-18, 1/2"-14	Bright (Uncoated)	Greenfield Threading	445M44
36	#10-24, #10-32, #12-28, #8-32, 1/2"-13, 1/2"-20, 1/4"-20, 1/4"-28, #12-24, 3/8"-16, 3/8"-24, 3/8"-18, 3/8"-24, 1/2"-14, 1/2"-20	Bright (Uncoated)	Greenfield Threading	445M43

Thread Size	Overall Length	Brand	Item No.
#6-32	2 in	Westward	6EXL7
#6-32	2 1/2 in	Greenlee	1FAL3
#8-32	2 1/2 in	Greenlee	1ANV8
#8-32	2 1/4 in	DeWalt	45HE95
#8-32	2 3/4 in	DeWalt	49JP45
#8-32	3 in	Westward	6EXL8
#10-24	2 1/2 in	Greenlee	1FAJ9
#10-24	2 1/2 in	DeWalt	45HE96
#10-24	2 1/4 in	Westward	6EXL9
#10-24	2 3/4 in	DeWalt	49JP46
#10-32	2 1/2 in	DeWalt	45HE97
#10-32	2 1/2 in	Greenlee	1FAL1
#10-32	2 1/4 in	Westward	6EXN0
#10-32	2 3/4 in	DeWalt	49JP47
#12-24	2 1/4 in	Greenlee	1FAL2
#12-24	2 1/4 in	DeWalt	45HE98
#12-24	2 1/4 in	Westward	6EXN1
#12-24	2 1/2 in	DeWalt	49JP48
1/4"-20	2 1/4 in	Greenlee	1FAJ8
1/4"-20	2 1/4 in	Westward	6EXL5
1/4"-20	2 3/4 in	DeWalt	45HE99
1/4"-20	2 3/4 in	DeWalt	49JP49
3/8"-18	3 3/4 in	DeWalt	49JP51
3/8"-18	3 1/2 in	DeWalt	45HF02
3/8"-18	3 1/4 in	Greenlee	1ANZ4
3/8"-18	3 1/4 in	Westward	6EXL4
3/8"-16	3 1/2 in	DeWalt	45HF01
3/8"-16	3 3/4 in	DeWalt	49JP50
3/8"-16	3 1/4 in	Greenlee	1ANZ5
3/8"-16	3 1/4 in	Westward	6EXL6
M5x0.8	2 3/4 in	DeWalt	49JP53
M6x1.0	2 3/4 in	DeWalt	49JP54
M8x1.25	2 1/2 in	DeWalt	49JP55
M10x1.5	2 3/4 in	DeWalt	49JP56



GREENLEE

DEWALT WESTWARD

Combination Drills, Taps and Countersinks

- Right-hand thread direction
- High-speed steel material
- Bright (uncoated) finish

Combination tools drill a hole and create threads in the hole in one pass. They also create a countersink at the top of the hole that allows a screw to sit flush with the top of the hole when it is screwed into the hole.

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