

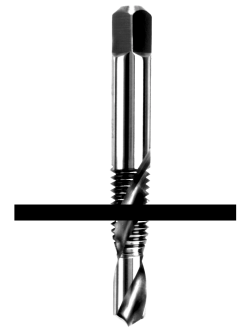
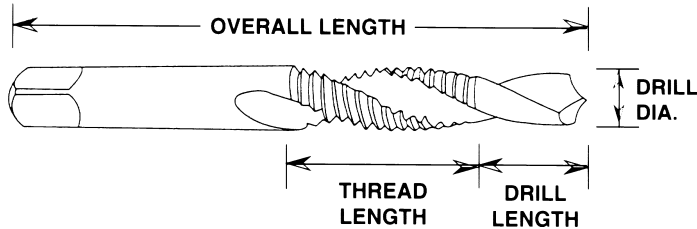
COST CUTTER™

DRILL & TAP

ENGINEERING DATA AND DIMENSIONS



DRILLS...



...and TAPS

INCH SIZES

SIZE	PITCH	LIMIT	EDP#	OVERALL LENGTH	THREAD LENGTH	DRILL LENGTH	DRILL DIAMETER
4	40 NC	GH-2	29000	1 7/8	3/8	1/4	.091
6	32 NC	GH-3	29004	2	7/16	5/16	.112
8	32 NC	GH-3	29006	2 1/8	1/2	3/8	.138
10	24 NC	GH-3	29008	2 3/8	5/8	13/32	.155
10	32 NF	GH-3	29009	2 3/8	5/8	13/32	.164
12	24 NC	GH-3	29010	2 3/8	21/32	15/32	.180
1/4	20 NC	GH-3	29012	2 1/2	25/32	17/32	.208
1/4	28 NF	GH-3	29013	2 1/2	25/32	17/32	.220
5/16	18 NC	GH-3	29014	2 23/32	15/16	11/16	.266
5/16	24 NF	GH-3	29015	2 23/32	15/16	11/16	.277
3/8	16 NC	GH-3	29016	2 15/16	1 1/8	13/16	.322
3/8	24 NF	GH-3	29017	2 15/16	1 1/8	13/16	.340
7/16	14NC	GH-3	29018	3 3/4	1 1/4	1	.377
7/16	20NF	GH-3	29019	3 3/4	1 1/4	1	.395
1/2	13NC	GH-3	29020	4 1/16	1 3/8	1 1/8	.435
1/2	20NF	GH-3	29022	4 1/16	1 3/8	1 1/8	.458
5/8	11 NC	GH-3	29036	5 1/16	1 3/4	1 1/2	.548

METRIC SIZES

SIZE	PITCH	LIMIT	EDP#	OVERALL LENGTH	THREAD LENGTH	DRILL LENGTH	DRILL DIAMETER
M3	.5	D3	29024	1 15/16	13/32	9/32	.102
M3.5	.6	D4	29025	2	7/16	5/16	.120
M4	.7	D4	29026	2 1/8	1/2	3/8	.134
M4.5	.75	D4	29027	2 3/8	5/8	13/32	.152
M5	.8	D4	29028	2 3/8	5/8	13/32	.172
M6	1	D5	29029	2 1/2	25/32	17/32	.203
M7	1	D5	29030	2 23/32	15/16	11/16	.242
M8	1.25	D5	29031	2 23/32	15/16	11/16	.274
M10	1.50	D6	29032	2 15/16	1 1/8	13/16	.344
M12	1.75	D6	29033	4 1/16	1 3/8	1 1/8	.414

PIPE SIZES

SIZE	PITCH	EDP#	OVERALL LENGTH	THREAD LENGTH	DRILL LENGTH	DRILL DIAMETER
1/16	27	29040	2 13/16	11/16	11/16	.242
1/8	27	29041	2 7/8	3/4	3/4	.332
1/4	18	29042	3 5/16	1 1/16	7/8	.438
3/8	18	29043	3 1/2	1 1/16	15/16	.562
1/2	14	29044	4 3/8	1 3/8	1 1/4	.703
3/4	14	29045	4 9/16	1 3/8	1 5/16	.906
1	11 1/2	29046	5 3/8	1 3/4	1 5/8	1.141

NOTES

- For use on through-hole applications only.
- Drill point must break through part prior to threading.
- Stock Cost Cutters are designed to drill and tap 'through-holes' up to 2X the nominal diameter.
- Spindle speeds should be set at normal speed for tapping specific material being machined; as with any tapping operation, a reversing spindle is required.

COST CUTTER™

Combination
Drill & Tap

- Cost Cutters are designed to perform two operations in one pass.
- Significantly increases part throughput in production runs.
- Drill designed with a helical point, which eliminates a center-drilling/punching operation.
- Available as popular specials in inch, metric and pipe sizes; blueprint specials to exact specifications also available.
- Specify Cost Cutters for unmatched savings and increased production, with tight tolerances.

Please contact
Customer Service Dept.
for pricing.

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CONDUIT THREAD TAPS

Per DIN STD. #40430* • 80° Included Angle • 'PG' Series

TYPE	SIZES	NO. OF FLUTES	PLUG	BOTTOM
PG 7	M12.5 x 1.27	4	20992	20993
PG 9	M15.2 x 1.41	4	20995	20996
PG 11	M18.6 x 1.41	4	20998	20999
PG 13.5	M20.4 x 1.41	4	21001	21002
PG 16	M22.5 x 1.41	4	21004	21005
PG 21	M28.3 x 1.588	6	21007	21008
PG 29	M37 x 1.588	6	21010	21011
PG 36	M47 x 1.588	6	21013	21014
PG 42	M54 x 1.588	6	21016	21017
PG 48	M59.3 x 1.588	6	21019	21020

*** DIN 371, 374, and 376
taps are available.**

Please contact Customer Service for pricing.

**North American Tool's
tap manufacturing facility in
Rotherham, England...**

"NATool"

**manufactures special taps from blanks
in 24-hours for**

DIN Standards 371, 374 and 376.

**In addition, we can supply ISO 529,
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