

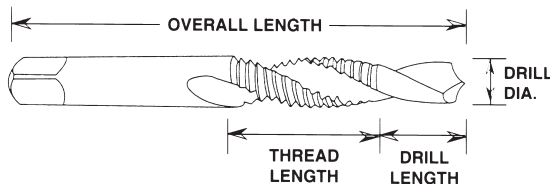


North American Tool

"In The Pursuit Of Perfection"

COST CUTTER™ Combined Drill & Tap

ENGINEERING DATA AND DIMENSIONS



Combination Drill & Tap

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 (NPT/F)

SIZE	PITCH	EDP#	OVERALL LENGTH	THREAD LENGTH	DRILL LENGTH	DRILL DIAMETER
1/16	27	29040	2 13/16	1 1/16	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.

CONTACT
CUSTOMER SERVICE
FOR PRICING.

**Inquire about our
'QC' Quick Change
Hex Drive Cost Cutter
Combined Drill and Tap!**

- Cost Cutters are designed to perform two operations in one pass.
- Significantly increases part throughput in production runs.
- Drill* designed with a split point, which eliminates a center-drilling/punching operation.
* Also available as combination reamer-and-tap or core drill-and-tap.
- 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.



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215 Elmwood Ave. • P.O. Box 116 • South Beloit, IL 61080-0116
Phone: 800.USA.TAPS (872.8277) • 815.389.2300
Fax: 800.USA.FAXX (872.3299) • 815.389.2952
E-Mail: sales@natool.com • Web: www.natool.com

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COST CUTTER™ Combination Drill & Tap



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**SPECIAL TAPS
TEST APPLICATION DATA SHEET**

*Be sure to include pertinent comments, blueprints or sketches.
Use back side of this form if necessary.*

NATool Rep.: _____
Customer Name: _____ Date: ____ / ____ / ____
City/State/Zip: _____ Distributor: _____
Phone: _____ Fax: _____ E-Mail: _____
Contact: _____ Title: _____ Extn.: _____

GENERAL INFORMATION

(Application) B/P or Job # _____
Tool Description _____
Tap Style _____ Class of Fit _____ H-Limit _____ Thread Form _____
Surface Treatment _____ Cutting/Forming _____ Blind/Thru Hole _____
Hole Depth _____ Thread Length _____ Tap Drill Size _____ % of Thread _____
Machine Tool _____ Condition _____ Horiz./Vert. _____
Coolant _____ Mix _____ Speed (SFM) _____ # Taps/Set-Up _____
Holder: Tension/Compression _____ Rigid Collet _____ Floating _____
Material _____ Hardness _____ Characteristics _____
Feed: CNC control NC control Synchronous Spindle Manual
 Cam Followed Lead Screw
Unique job details: _____

COMPETITIVE BRAND:

Name _____ Tool Description _____
Current Performance _____ # Holes/Tap _____
Competitive Price (\$) _____ Est. Annual Usage _____
Comments _____

RECOMMENDATIONS:

Tap Style _____ H-Limit _____ Surface Treatment _____ Speed (SFM) _____
Tap/Drill Size _____ Coolant _____ Comments _____

TEST EVALUATION

NATool P.O. # _____ Dist. P.O. # _____ # Holes Tapped _____
Quality of Thread _____ Gaging O.K. _____ On-Hand for Test _____
Comments _____



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Fill-out and fax to: 800-872-3299 or 815-389-2952; or send to:
North American Tool Corporation • 215 Elmwood Ave. • South Beloit, IL 61080
E-Mail: sales@natool.com

North American Tool is a Global Specialty Solutions Inc. company.