

# Graphite Tapping Electrodes Metric/English



## APPLICATIONS

- Tapping of hardened materials
- Tapping of poorly conductive materials using copper impregnated graphite

## AVAILABILITY

- Orbiting & non-orbiting
- Materials: EDM-3 and EDM-C3
- Stocking of above materials in standard sizes
- Special sizes upon request
- Competitive pricing
- Same day shipment on most sizes



**For more information, call  
Sales at 800-448-8887**



Ohio Carbon Blank, Inc.  
38403 Pelton Road,  
Willoughby, OH 44094

800-448-8887  
440-953-9302  
440-953-5829

*toll free*  
*local*  
*fax*

[www.ohiocarbonblank.com](http://www.ohiocarbonblank.com)  
[info@ohiocarbonblank.com](mailto:info@ohiocarbonblank.com)

# Graphite Tapping Electrodes

ALL TAPPING ELECTRODES ARE AVAILABLE IN EDM3 AND EDM-C3

SPECIFICATION	EDM-3	EDM-C3
AVG GRAIN SIZE	.000195"	.000195"
SHORE HARDNESS	73 Shore	66 Shore
APPARENT DENSITY	1.81 g/cm <sup>3</sup>	3.05 g/cm <sup>3</sup>
ELECT. RESISTIVITY	.00061 Ω-inch	.00013 Ω-inch
FLEXURAL STRENGTH	13,300 lbs/in <sup>2</sup>	20,300 lbs/in <sup>2</sup>

## STANDARD TAPS—ENGLISH

THREAD SIZE	PITCH DIA.	SHANK DIA.	FLUSH HOLE
4-40	.0020"	.1090"	—
5-40	.0020"	.1250"	—
6-32	.0030"	.1400"	—
8-32	.0030"	.1660"	.0625"
10-24	.0030"	.1870"	.0625"
10-32	.0030"	.1870"	.0625"
1/4-20	.0040"	.2500"	.0625"
1/4-28	.0040"	.2500"	.0625"
5/16-18	.0040"	.3120"	.1250"
5/16-24	.0040"	.3120"	.1563"
3/8-16	.0040"	.3750"	.1563"
3/8-24	.0040"	.3750"	.1875"
7/16-14	.0050"	.4370"	.1875"
7/16-20	.0050"	.4370"	.2500"
1/2-13	.0050"	.5000"	.2500"
1/2-20	.0050"	.5000"	.2500"

→ 5" of thread      →6" overall length

## ORBITAL TAPS—ENGLISH

THREAD SIZE	PITCH DIA.	SHANK DIA.	FLUSH HOLE
4-40	.0890"	.0780"	—
5-40	.1015"	.0910"	—
6-32	.1065"	.0960"	—
8-32	.1360"	.1250"	—
10-24	.1470"	.1370"	—
10-32	.1590"	.1490"	—
1/4-20	.2010"	.1900"	.0625"
1/4-28	.2130"	.2030"	.0625"
5/16-18	.2570"	.2470"	.0938"
5/16-24	.2720"	.2620"	.0938"
3/8-16	.3125"	.3020"	.1250"
3/8-24	.3320"	.3220"	.1250"
7/16-14	.3680"	.3580"	.1875"
7/16-20	.3906"	.3790"	.1875"
1/2-13	.4218"	.4110"	.2500"
1/2-20	.4530"	.4430"	.2500"

→ 5" of thread      →6" overall length

## STANDARD TAPS—METRIC

THREAD SIZE	TAP DRILL	DRILL DIA.	FLUSH HOLE
M2.5 x .45	—	—	—
M3.0 x .50	2.50 mm	.0984"	—
M3.5 x .60	2.90 mm	.1142"	—
M4.0 x .70	3.30 mm	.1299"	.0625"
M4.5 x .75	3.70 mm	.1770"	.0625"
M5.0 x .80	4.20 mm	.1654"	.0625"
M6.0 x 1.00	5.00 mm	.1969"	.0625"
M7.0 x 1.00	6.00 mm	.2362"	.0938"
M8.0 x 1.25	6.75 mm	.2657"	.1250"
M10.0 x 1.50	8.50 mm	.3346"	.1563"
M12.0 x 1.75	10.20 mm	.4016"	.2500"
M14.0 x 2.0	12.00 mm	.4724"	.2500"
M16.0 x 2.0	14.00 mm	.5512"	.2500"
M18.0 x 2.50	15.50 mm	.6102"	.2500"
M20.0 x 2.50	17.50 mm	.6890"	.2500"

→12.7cm of thread      →15.24 cm overall length

## ORBITAL TAPS—METRIC

THREAD SIZE	PITCH DIA.	SHANK DIA.	FLUSH HOLE
M2.5 x .45	—	—	—
M3.0 x .50	2.50 mm	.0984"	—
M3.5 x .60	2.90 mm	.1142"	—
M4.0 x .70	3.30 mm	.1299"	.0625"
M4.5 x .75	3.70 mm	.1770"	.0625"
M5.0 x .80	4.20 mm	.1654"	.0625"
M6.0 x 1.00	5.00 mm	.1969"	.0625"
M7.0 x 1.00	6.00 mm	.2362"	.0938"
M8.0 x 1.25	6.75 mm	.2657"	.1250"
M10.0 x 1.50	8.50 mm	.3346"	.1563"
M12.0 x 1.75	10.20 mm	.4016"	.2500"
M14.0 x 2.0	12.00 mm	.4724"	.2500"
M16.0 x 2.0	14.00 mm	.5512"	.2500"
M18.0 x 2.50	15.50 mm	.6102"	.2500"
M20.0 x 2.50	17.50 mm	.6890"	.2500"

→12.7 cm of thread      →15.24 cm overall length

Contact us for pricing

Toll free: **800-448-8887**

E-mail: [info@ohiocarbonblank.com](mailto:info@ohiocarbonblank.com)

Sign on to our Online Catalog for instant quotes: [www.ohiocarbonblank.com](http://www.ohiocarbonblank.com)



Ohio Carbon Blank, Inc.  
38403 Pelton Road,  
Willoughby, OH 44094

**800-448-8887**  
440-953-9302  
440-953-5829

toll free  
local  
fax

[www.ohiocarbonblank.com](http://www.ohiocarbonblank.com)  
[info@ohiocarbonblank.com](mailto:info@ohiocarbonblank.com)