



MAXIMATOR offers manual Coning and Threading tools that are designed to prepare accurate tubing ends to accept the medium, high and ultra high pressure connections.

#### Tools feature:

- Manual Coning and Threading Coning tools are designed to thread up to 9/16" OD tubing.
- One size Coning and Threading tool with interchangeable bushings and thread dies eliminates multiple tool inventories.
- Internal needle bearings and high strength materials offers ease of operation and extended tool life.
- Coning blades are designed to cut both the angle and straight areas to insure good concentricity between the sealing surfaces.
- Precision Reseating Tools to repair damaged female high pressure connections without full disassembly of components.

MAXIMATOR offers a complete line of manual tools for the proper preparation of medium, high and ultra high pressure connections up to 9/16" OD tubing. For complete coning and threading instructions see MAXIMATOR's website at [www.maximator.de](http://www.maximator.de).

**Note: When selecting multiple items, the pressure rating would be that of the lowest rated component.**

Tools Index	Page:
Coning and Threading Tools	2
Reseating and Deburr Tools	3

# Tools

## » Coning and Threading Tools

Maximator offers tools for coning and threading tubing up to 9/16" O.D. These are precise tools that allow manual coning and threading of medium, high and ultra high pressure tubing. Please refer to the Maximator website, [www.maximator.de](http://www.maximator.de) and click on the VFT button to find detailed instructions for the coning and threading process.

### Coning Tools

The coning tool comes complete with blades, collet and tools. The blades and tool feed nut allow the user to control the cutting feed rate and face the end of the tube when complete. The blades and collet can be changed for other sizes, while using the same base tool.



Tubing Size O.D. x I.D. in. (mm)	Tubing Pressure psi (bar) @ R.T.	Connection Type	Coning Tool Complete Catalog Number	Replacement Part Information		
				Collet Part Number	Coning Blades Part Number	HSS Coning Blades Part Number
1/4 x .109 (6.35 x 2.77)	22,500 (1,550)	4M	CT4M	3781.1009	3781.1014	3781.1810
3/8 x .203 (9.53 x 5.17)	22,500 (1,550)	6M	CT6M	3781.1010	3781.1013	3781.1811
9/16 x .312 (14.29 x 7.93)	22,500 (1,550)	9M	CT9M	3781.1011	3781.1012	3781.1812
9/16 x .359 (14.29 x 9.13)	15,200 (1,050)	9M	CT9M.359	3781.1011	3781.1179	3781.1813
1/4 x .083 (6.35 x 2.11)	65,000 (4,500)	4H / 4U	CT4H	3781.1009	3781.0843	3781.1814
3/8 x .125 (9.53 x 3.17)	65,000 (4,500)	6H / 6U	CT6H	3781.1010	3781.1017	3781.1808
9/16 x .188 (14.29 x 4.77)	65,000 (4,500)	9H / 9U	CT9H	3781.1011	3781.1016	3781.1809
5/16 x .062 (7.94 x 1.58)	152,000 (10,500)	5U	CT5U	3781.0846	3781.0843	3781.1814

### Threading Tools

The threading tool comes complete with the threading die and bushing. The thread is a left hand type. The thread die and bushing can be changed for other sizes, while using the same base tool.



Tubing Size O.D. x I.D. in. (mm)	Tubing Pressure psi (bar) @ R.T.	Connection Type	Left Hand Thread Size (UNF class 2)	Threading Tool Complete Catalog Number	Replacement Part Information	
					Die Part Number	Bushing Part Number
1/4 x .109 (6.35 x 2.77)	22,500 (1,550)	4M	1/4-28-LH	TT4	3781.1061	3781.1055
3/8 x .203 (9.53 x 5.17)	22,500 (1,550)	6M	3/8-24-LH	TT6	3781.1059	3781.1053
9/16 x .312 (14.29 x 7.93)	22,500 (1,550)	9M	9/16-18-LH	TT9	3781.1060	3781.1054
9/16 x .359 (14.29 x 9.13)	15,200 (1,050)	9M	9/16-18-LH	TT9	3781.1060	3781.1054
1/4 x .083 (6.35 x 2.11)	65,000 (4,500)	4H / 4U	1/4-28-LH	TT4	3781.1061	3781.1055
3/8 x .125 (9.53 x 3.17)	65,000 (4,500)	6H / 6U	3/8-24-LH	TT6	3781.1059	3781.1053
9/16 x .188 (14.29 x 4.77)	65,000 (4,500)	9H / 6U	9/16-18-LH	TT9	3781.1060	3781.1054
5/16 x .062 (7.94 x 1.58)	152,000 (10,500)	5U	5/16-24-LH	TT5	3781.1058	3781.1052

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## Reseating Tools

The reseating tool is designed to rework an existing damaged coned and threaded connection without full disassembly of the component. The reseating tool will resurface the sealing surfaces of the medium, high, and ultra high pressure connections up to 9/16" tubing.



Tubing Size O.D. x I.D. in. (mm)	Tubing Pressure psi (bar) @ R.T.	Connection Type	Reseating Tool Complete Catalog Number	Replacement Part Information		
				Cutter Part Number	Bushing Part Number	Gland Part Number
1/4 x .109 (6.35 x 2.77)	22,500 (1,550)	4M	RT4M	3781.0647	n/a	3781.0649
3/8 x .203 (9.53 x 5.17)	22,500 (1,550)	6M	RT6M	3781.0650	n/a	3781.0651
9/16 x .312 (14.29 x 7.93)	22,500 (1,550)	9M	RT9M	3781.0656	n/a	3781.0655
9/16 x .359 (14.29 x 9.13)	15,200 (1,050)	9M	RT9M	3781.0656	n/a	3781.0655
3/4 x .438 (19.05 x 11.13)	22,500 (1,550)	12M	RT12M	3781.3557	n/a	3781.3558
1/4 x .083 (6.35 x 2.11)	65,000 (4,500)	4H / 4U	RT4H	3781.0647	1700.0719	3781.0648
3/8 x .125 (9.53 x 3.17)	65,000 (4,500)	6H / 6U	RT6H	3781.0645	1700.0718	3781.0646
9/16 x .188 (14.29 x 4.77)	65,000 (4,500)	9H / 9U	RT9H	3781.0532	1700.0613	3781.0533
5/16 x .062 (7.94 x 1.58)	152,000 (10,500)	5U	RT5U	3781.0532	n/a	3781.0652

## Deburring Tools

The deburring tool is designed to remove the metal burr on the inside diameter of the tubing after the cutting process. The reseating tool will work on all medium, high, and ultra high pressure connections up to 9/16" tubing.



Tubing Size O.D. x I.D. in. (mm)	Tubing Pressure psi (bar) @ R.T.	Connection Type	Deburring Tool Complete Catalog Number	Replacement Part
				Information Bushing Part Number
1/4 x .109 (6.35 x 2.77)	22,500 (1,550)	4M	DT4	3781.1381
3/8 x .203 (9.53 x 5.17)	22,500 (1,550)	6M	DT4	3781.1381
9/16 x .312 (14.29 x 7.93)	22,500 (1,550)	9M	DT4	3781.1381
9/16 x .359 (14.29 x 9.13)	15,200 (1,050)	9M	DT5	3781.1380
1/4 x .083 (6.35 x 2.11)	65,000 (4,500)	4H / 4U	DT4	3781.1381
3/8 x .125 (9.53 x 3.17)	65,000 (4,500)	6H / 6U	DT4	3781.1381
9/16 x .188 (14.29 x 4.77)	65,000 (4,500)	9H / 9U	DT4	3781.1381
5/16 x .062 (7.94 x 1.58)	152,000 (10,500)	5U	DT4	3781.1381

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