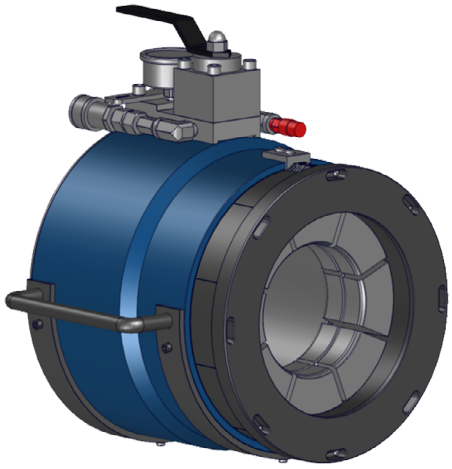
Radial Tubular Forming Tool (RTF™)

Volant RTF tools are designed for both crimping and swaging operations. These tools use a hydraulic actuated piston and collet system to induce a radial compressive load that reduces the diameter of tubular product to create either a crimp or an end swage. Collet sets are designed for optimal performance and are specific to the tubular size and application.

The RTF's simple architecture, result in a solid and robust tool that is portable and easy to handle; ideal for use in the field or a shop environment. For applications that may require a tight crimp or swage tolerance, a fine adjustment mechanism enables precise control of the final crimp or swage diameter.

Tool Model: RTF-7.0 Specification Summary

Tool configured for 4.5" crimping



Base Tool Characteristics

Housing OD	in (mm)	12.5 (320)
Overall Length	in (mm)	14.0 (360)
Base Tool Weight	lbs (kg)	200 (91)
Diametrical Stroke	in (mm)	0.375 (9.55)
Maximum Radial Force[1]	lbf (kN)	1,900,000 (8,400)
Piston Bore Diameter	in (mm)	8.0 (205)
Maximum Pressure Capacity	psi (MPa)	10,000 (68.9)
Base Tool PN		80434

Collet Size Specific Characteristics[2]

Nominal Collet Size[3]		Collet Style	Collet Part No.	Bell Part No.	Approximate Dressed Tool Weight	
(in)	(mm)				(lbs)	(kg)
7.0	177.8	Crimp	80112	80778	220	100
5.5	139.7	Crimp	80111	80778	245	112
5.0	127.0	Crimp	80377	80778	260	118
4.5	114.3	Crimp	80102	80778	275	125
3.5	88.9	Crimp	80422	80778	290	132

1. For details on radial force requirements for crimping or swaging contact Volant customer support at +1 780.784.7098
2. Common collet sizes shown, for any other collet sizes, profile or pipe diameters contact Volant customer support.
3. Components can be developed for configurations not shown.
4. Actual formed length depends on adequate stroke and load capacity.

Give us a problem. Or just drop us a line if you want to know more.

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Certified System ISO 9001 GMI-SAI Global

Document No. 20001 / Revision D Printed in Canada APRIL 2016