

TORQUE CONTROLLED TUBE EXPANDER DRIVE



The Cyclone is a pneumatic torque controlled motor for the expansion of tubes used in Heat Exchangers, Condensers and Coolers.

Three machines are available offering expansion of tubes of nominal sizes 3/4", 1" and 1 1/4" The Cyclone's torque control system has been specifically designed and engineered to ensure precise repeat expansion, preventing under or over expansion of the tubes. Each machine is supplied with carrying case, instruction manual and quick-change coupling.

Features:

- Torque Controlled to ensure repeatability.
- Light weight and Robust
- Simple to use and maintain.
- Ergonomic wrist-roll throttle control.

MODEL	TUBE CAPACITY		CHUCK SIZE	FREE SPEED	MAX TORQUE	LENGTH	WEIGHT
	Steel	Non Ferrous					
CYCLONE 19	19x1mm	22x1mm (3/4")	3/8"	1250 RPM	15 NM 133 in.lb	214mm 8 1/2"	4.0 KG 8.8 lbs
CYCLONE 25	20x2mm	25x1mm (1")	3/8"	700 RPM	23 NM 204 in.lb	220mm 8 1/2"	4.2 KG 9.3 lbs
CYCLONE 32	25x3mm	30x1mm (1 1/4")	3/8" & 1/2"	500 RPM	35 NM 310 in.lb	240mm 9 1/2"	4.5 kg 9.9 lbs

EXPANDERS SUITABLE FOR USE WITH THE CYCLONE EXPANDER DRIVE

MODEL	RECOMMENDED EXPANDERS
C19-1250 3/4"	800 SERIES EXPANDERS TR-797 – TR-829 1 1/2" Roll Length TR-810 – TR-830 2 1/4" Roll Length 1200 SERIES EXPANDERS TR-1197 – TR 1229 1 1/2" Roll Length TR-1210 – TR1230 2 1/4" Roll Length
C25-700 1"	800 SERIES EXPANDERS TR-819 – TR-855 1 1/2" Roll Length TR-820 – TR-856 2 1/4" Roll Length 1200 SERIES EXPANDERS TR-1219 – TR 1255 1 1/2" Roll Length TR-1220 – TR1256 2 1/4" Roll Length
C32-500 1 1/4"	800 SERIES EXPANDERS TR-841 – TR-875 1 1/2" Roll Length TR-842 – TR-876 2 1/4" Roll Length 1200 SERIES EXPANDERS TR-1241 – TR 1275 1 1/2" Roll Length TR-1242 – TR1276 2 1/4" Roll Length

(Based on non-ferrous materials, maximum expander size will be reduced for steel tube)