

## TORQUE CONTROL RIGHT ANGLE EXPANDER DRIVE



**The Vortex** is a right angle pneumatic torque controlled motor designed for the expansion of Boiler tubes in Steam and Mud Drums, Fire Tube Boilers and similar equipment.

Four machines are available offering expansion of tubes of nominal sizes 1 3/4", 2 1/2", 3", 4". The Vortex'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 drive 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
VORTEX 45	1 3/4"	1/2"	220 RPM	100 NM 75 ft.lbs	480mm 19"	5.8 KG 12.8 lbs
VORTEX 63	2 1/2"	3/4"	145 RPM	170 NM 125 ft.lbs	485mm 19"	6.0 KG 13.2 lbs
VORTEX 76	3"	3/4"	100 RPM	245 NM 180 ft.lbs	495mm 19.5"	6.3 kg 13.9 lbs
VORTEX 110	4"	3/4" & 1"	100 RPM	400 NM 295 ft.lbs	550mm 21.5"	9.6 KG 21.2 lbs

# VORTEX



## EXPANDERS SUITABLE FOR USE WITH THE VORTEX RIGHT ANGLE EXPANDER DRIVE

MODEL	RECOMMENDED EXPANDERS
V45-220 1 3/4"	PBE SERIES EXPANDERS PBE-19 - PBE-40 KBE SERIES EXPANDERS KBE-19 – KBE-40
V63-145 2 1/2"	PBE SERIES EXPANDERS PBE-28 – PBE-52 KBE SERIES EXPANDERS KBE-28 – KBE-52
V76-100 3"	PBE SERIES EXPANDERS PBE-32 - PBE-72 KBE SERIES EXPANDERS KBE-32 – KBE-72
V110-75 4"	PBE SERIES EXPANDERS PBE-40 - PBE-90 KBE SERIES EXPANDERS KBE-40 – KBE-90

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