



TORNADO Spin Weld Fittings

Spin welding or friction welding involves inserting a plastic fitting into a close fit hole and rapidly spinning it by means of a router to fuse the fitting to the product (usually a polyethylene tank). The all new TORNADO Spin weld range engineered by Roto Quip takes spin welding to a new level.

Each fitting incorporates a 360° energy director focusing the friction on a smaller surface area to help initiate the melt giving a faster more secure bond.

Eight external support ribs spaced evenly around each fitting offers optimal load distribution resulting in excellent mechanical strength even when under load from input/output pipes.

Manufactured from virgin, LLDPE with a 7-year UV stability guarantee. Produced in a range of colours in both BSP and NPT threads.



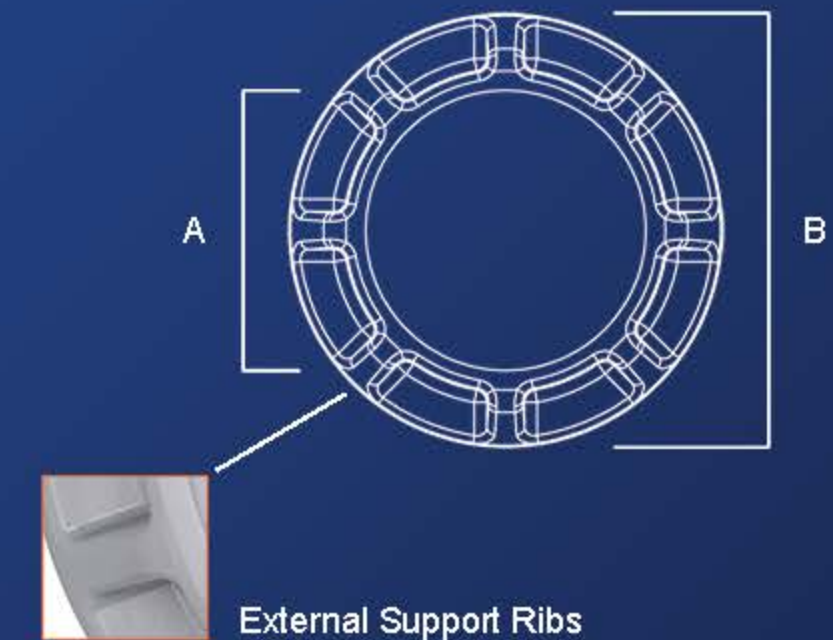
TORNADO Features

- Single unit with no moving parts.
- No (application specific) seal required.
- 360° energy director.
- Eight support ribs for extra strength.
- FDA approved LLDPE, safe for food and water storage.
- Available in both BSP and NPT taper threads.
- Standard colours: Roto Quip Grey, Black and White (Custom colours available on request).

TORNADO Installation

- Ensure to use the correct hole saw size as specified by Roto Quip. (Please see the table below).
- Once the hole has been cut, clean away any leftover burs or shavings.
- Only use the TORNADO Driver supplied by Roto Quip.
- Router Specifications:
 - 15mm, 20mm, 25mm and 32mm - 1,5Kw, 15 000 RPM
 - 40mm and 50mm - 2Kw, 20 000 RPM (minimum)
- Minimum 3 second melt time
- 5 second hold time before releasing pressure and detaching the router. *This step is crucial to ensuring a solid bond to your product.*

Technical Specs



Thread Size - A	Thread Size - A	Fitting OD - B	Fitting Length - C	Installed Length - D	Hole Saw Size
15 mm	½ inch	38 mm	16 mm	10 mm	29 mm
20 mm	¾ inch	52 mm	22 mm	12 mm	40 mm
25 mm	1 inch	52 mm	22 mm	12 mm	40 mm
32 mm	1 ¼ inch	65 mm	26 mm	14 mm	48 mm
40 mm	1 ½ inch	72 mm	28 mm	16 mm	54 mm
50 mm	2 inch	89 mm	33 mm	16 mm	67 mm