

TIDLAND D490 DIFFERENTIAL SHAFT



D490 Differential Shafts hold rolls straight and true. Interchangeable cartridges allow you to determine how the shaft engages the core to best suit the material and core you're running.

Choose from a heavy gauge wire spring design (D490S) for fiber cores, or a 2-row, 12-ball, torque activated design (D490B) for fiber or PVC cores. The result is improved finished roll quality, reduced scrap and fast, easy setups for even the most sensitive materials.

Because D490 Differential Shafts are manufactured in North America, Europe and China, they are easily sourced and supported worldwide. All components conform to Tidland's high quality standards and are interchangeable regardless of where the shaft is installed.

GENERAL SPECIFICATIONS

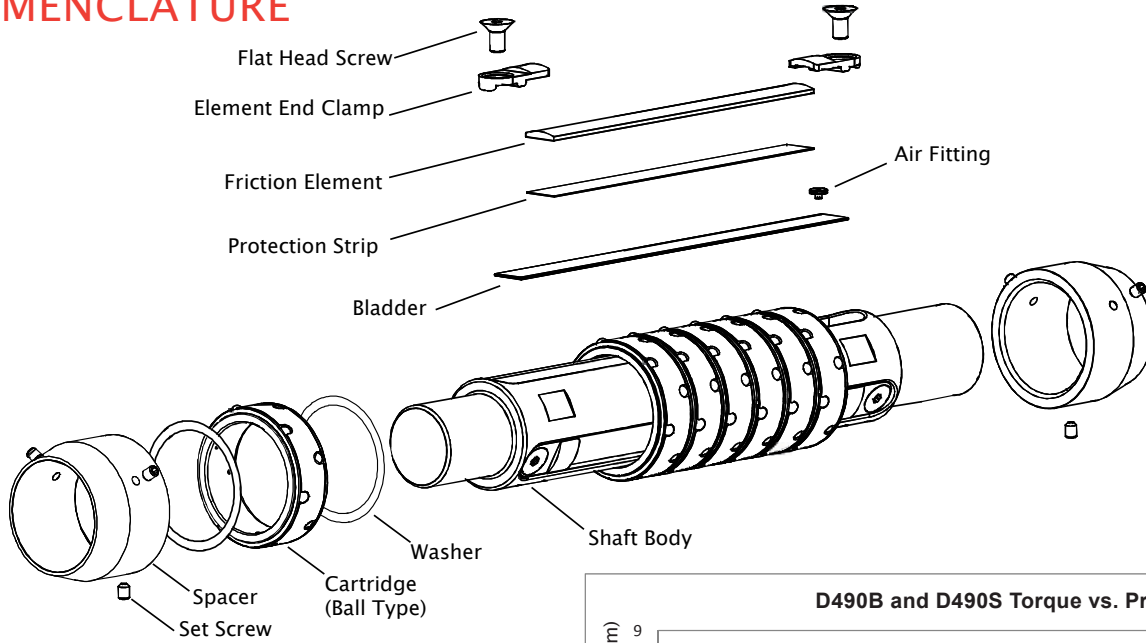
	D490S SPRING CARTRIDGE	D490B BALL CARTRIDGE
Standard \varnothing 76,2 mm		
CORE ID RANGE	76.3 mm - 76.7 mm	76.3 mm - 77.2 mm
CORE MATERIAL	Fiber Only	Fiber, PVC
MINIMUM SLIT WIDTH	12 mm	20 mm
CARTRIDGE WIDTH	6, 10 & 20 mm	9 mm & 24 mm
TENSION RANGE	43.8 - 350.3 Nm	87.6 - 700.5 Nm
Standard \varnothing 152,4 mm		
CORE ID RANGE	152.5 mm - 153.2 mm	152.5 mm - 153.9 mm
CORE MATERIAL	Fiber Only	Fiber, PVC
MINIMUM SLIT WIDTH	20 mm	20 mm
CARTRIDGE WIDTH	10 mm	19 mm
TENSION RANGE	78.8 - 1225.8 Nm	175.1 - 3152.3 Nm

KEY FEATURES

- Eliminate dust in the roll wind process with internal slip control
- Insure best quality wound rolls with multiple-point contact on the core ID
- Consistent, predictable tension control on a variety of materials with pneumatic friction torque against a machined cartridge
- Proprietary expanding element for optimal tension control
- Slit confidently down to 14 mm (0.55 inch) wide rolls
- Suitable for simplex and duplex winding

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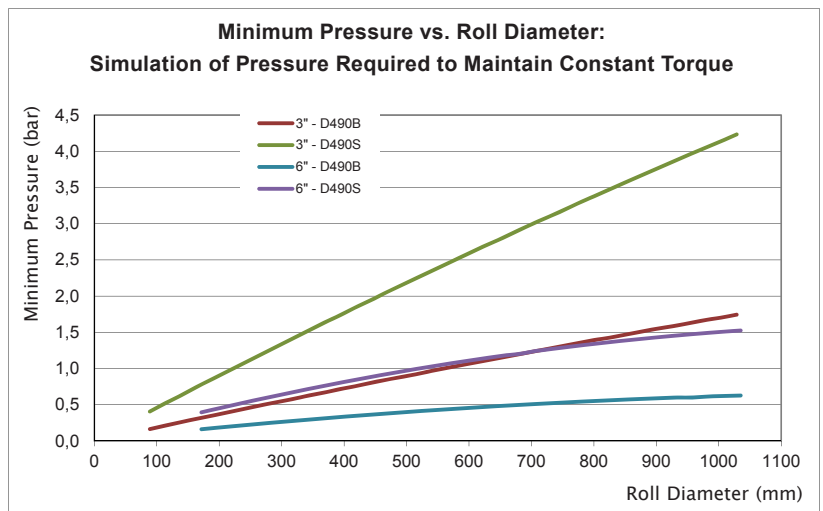
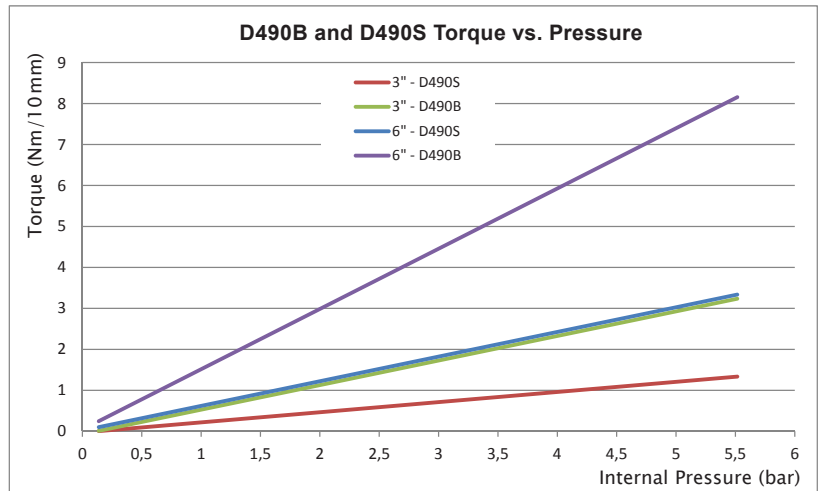
NOMENCLATURE



Spring Cartridge D490S



Ball Cartridge D490B



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