

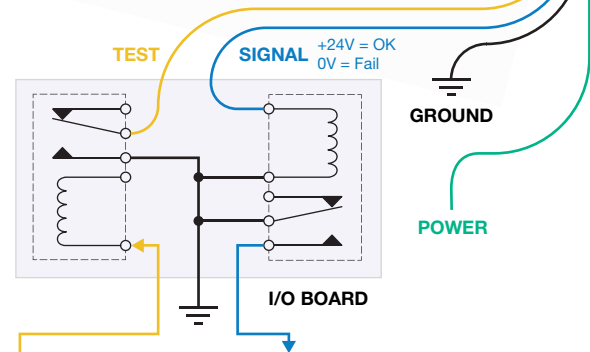
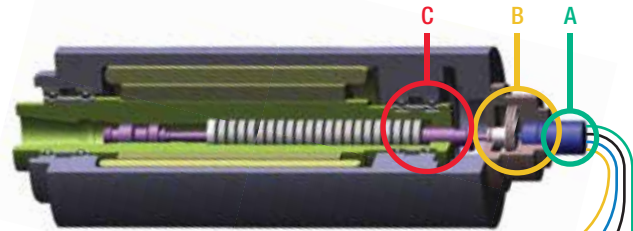
DEUBLIN

SpindleShield™ Series Unions with Integrated Alert System for Spindle Protection

- Patented SpindleShield system reliably prevents expensive spindle failures by warning machine of leakage due to excessive seal wear
- Rotor mounted, bore mounted, and bearing-less options
- Closed Seal, Pop-Off, and AutoSense sealing options
- Signal can be sent to unused relay on existing I/O board, and unassigned M-code can check status of that relay
- Includes test circuit that can be checked manually or programmed for machine to check automatically

How it Works

- A** Large or small leakage here is okay, especially with Pop-Off™ or AutoSense™ seals
- B** Small leakage here one time may be okay. Large or repeating leakage will damage the union's bearings
- C** Even small leakage here can damage the spindle



Self-Test can happen:

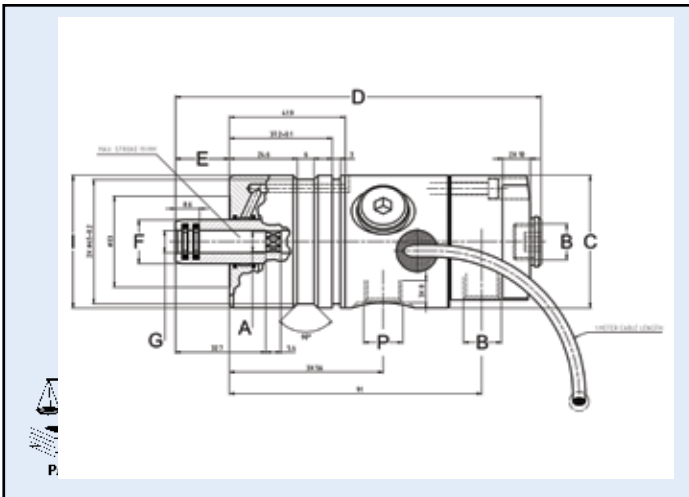
- At machine start-up
- Monthly
- Daily

Program or Macro can:

- Turn off coolant
- Stop spindle rotation
- Call maintenance

Operating Data

Media	Water-based Coolant MQL	
Filtration	ISO 4406 Class 17/15/12, max. 60 micron	
Maximum Speed	See Chart	See Chart
Maximum Pressure	140 bar	2,030 psi
Maximum Flow	24.3 l/min	
Maximum Temperature	71°C	160°F



Ordering Number	B Supply Connection	C Overall Diameter	D Housing Length	P Vent Size (3 X 120°)	A Rotor Connection	G Bore Diameter	I Pilot Diameter	Max Speed (rpm)	Seal Technology
1103-840-835	G 1/4" Radial/Axial	48	108	G 1/4"	Octagon 7.4 D10	8.1F9	48g6 (housing)	24,000	Pop-Off
1113-840-835	G 1/4" Radial/Axial	48	108	G 1/4"	Octagon 7.4 D10	8.1F9	48 g6 (housing)	24,000	Closed
1103-820-825	G 1/4" Radial/Axial	48	108	G 1/4"	Hexagon 16 D10	11H7	48 g6 (housing)	24,000	Pop-Off
1103-097-212*	G 1/4" Radial	53	142	G 1/4"	M16 x 1.5 LH	9	17.993 / 19.988	20,000	Pop-Off
1153-003-120*	PT 1/4" Radial	54	78	Rc 1/8"	M12 x 1.25 LH	5	12.994 / 12.989	40,000	AutoSense

*Note: Contact Deublin for IC drawing

美国杜博林 Deublin 旋转接头授权代理

信德迈科技(北京)有限公司 Email: sales@cnmec.biz 010-84282935