



# DEUBLIN

## 1129 Bearingless "Pop-Off" Union

- monoflow design
- compact size
- radial or axial connection
- balanced mechanical seal
- seal combination: Silicon Carbide/Silicon Carbide
- vent holes
- full media flow
- anodized aluminum housing
- steel rotor

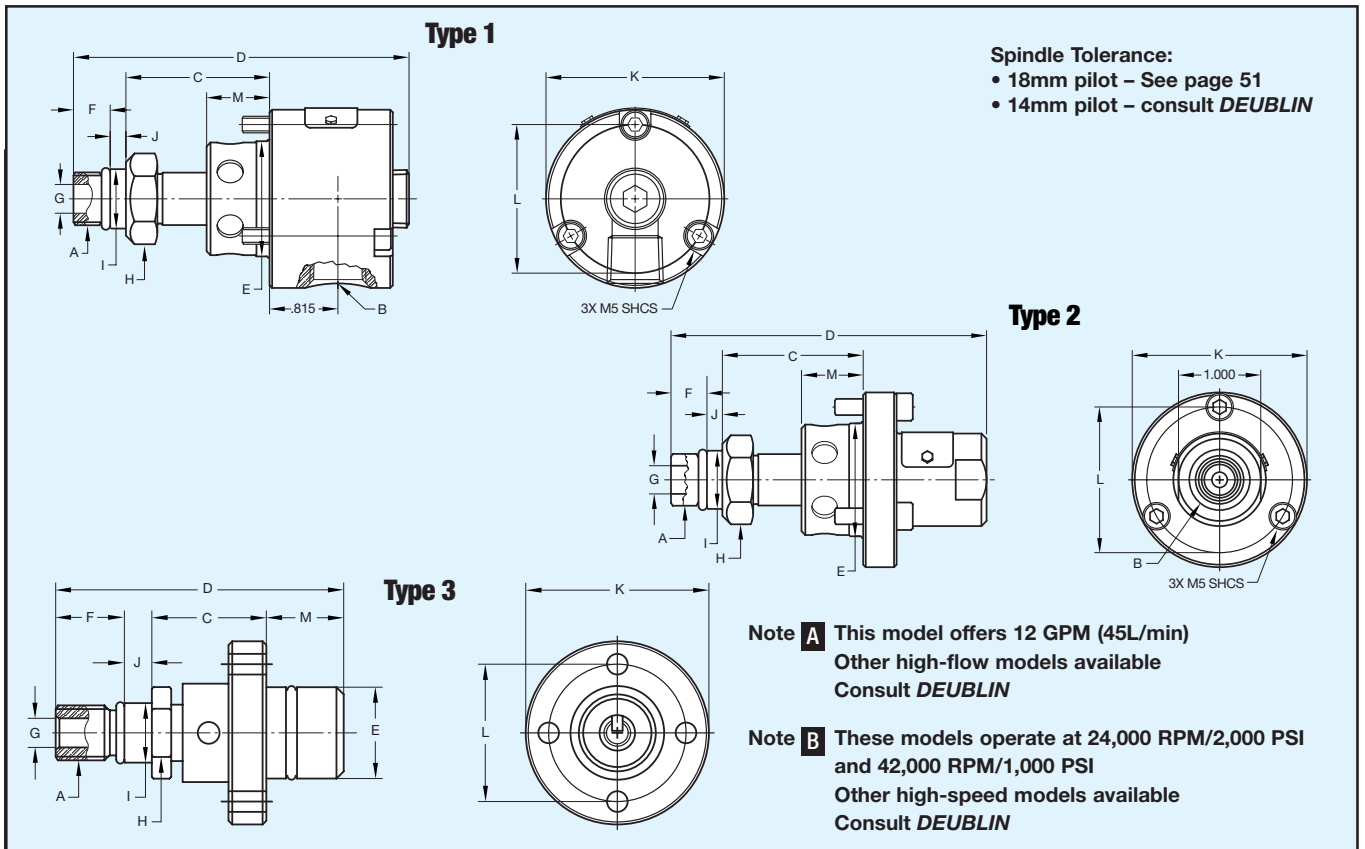
### Operating Data

Maximum Coolant Pressure <sup>①</sup>	2,000 PSI	140 bar
Maximum Speed <sup>①</sup>	20,000 RPM	20,000/min
Maximum Flow Rate	6.3 GPM	24L/min
Maximum Temperature	160°F	70°C

① Operation at maximum pressure combined with maximum speed is possible.

Note:

- For every 100 PSI coolant pressure, up to 20 pounds force is exerted on the "union side" of the spindle. For specific axial thrust load, consult **DEUBLIN**. The spindle bearings must be able to withstand the additional thrust load.
- Housing requires external mounting bracket.



TYPE	B Port	Ordering Number	A Rotor Thread	C	D	E	F	G Rotor Hole	H Across Flats	I Pilot Dia.	J	K	L	M
1	PT $\frac{3}{8}$ "(BSPT)	1129-033-301	M16 X 1.5 LH	44/43	101.600	34.900/34.849	11.1	8.7	23.8	17.993/17.968	5	54	45	19.05
<b>A</b> 1	PF $\frac{3}{8}$ "(BSP)	1129-050-301	M16 X 1.5 LH	44/43	100.660	34.900/34.849	11.1	8.7	23.8	17.993/17.968	5	54	45	19.05
1	PT $\frac{3}{8}$ "(BSPT)	1129-033-327	M12 X 1.25 LH	39.6/38.6	94.160	34.900/34.849	12.1	6	18	14.000/13.992	5	54	45	19.05
2	PT $\frac{3}{8}$ "(BSPT)	1129-036-301	M16 X 1.5 LH	44/43	97.460	34.900/34.849	11.1	8.7	23.8	17.993/17.968	5	54	45	19.05
2	PT $\frac{3}{8}$ "(BSPT)	1129-036-327	M12 X 1.25 LH	39.6/38.6	94.160	34.900/34.849	12.1	6	18	14.000/13.992	5	54	45	19.05
<b>B</b> 2	PT $\frac{3}{8}$ "(BSPT)	1129-036-345	M16 X 1.5 LH	44/43	97.460	34.900/34.849	11.1	8.7	21	17.993/17.968	5	54	45	19.05
<b>B</b> 2	PT $\frac{3}{8}$ "(BSPT)	1129-041-435	M12 X 1.25 LH	39.6/38.6	105.130	34.900/34.849	12.1	4.8	18	14.000/13.992	5	54	45	16.48
3	N/A	1129-018-137	M12 X 1.25 LH	25	62.890	19.960/19.940	15	6.4	17	13.000/12.974	6	40	30	16.89
<b>Cutting Oil Applications</b>														
2	PT $\frac{3}{8}$ "(BSPT)	1129-038-140	M12 X 1.25 LH	39.6/38.6	105.130	34.900/34.849	12.1	4.8	18	14.000/13.992	5	54	45	16.48
<b>Air Applications</b>														
3	N/A	1129-490-489	M12 X 1 RH	40.50	83.500	29.975/29.950	12	6	19	13.000/12.992	15	48	40	16.00