

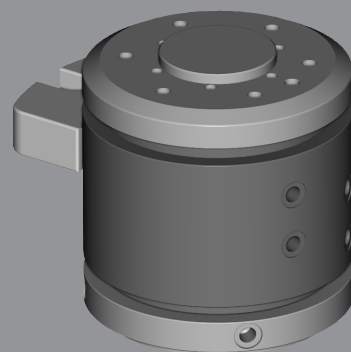
Rotary Distributors

PRD 4 Feed-Through

PRD is a rotary fluid feed-through for robot applications and rotary indexing tables with unlimited rotational movement.

Advantages

- High strength, long life, no maintenance.
- Hardened steel inner hub for high power-transmission of modern robots.
- ISO flange pattern for easy mounting to most types of robots without needing additional adapter plates.
- 2 or 4 fluid feed-throughs (more feed-throughs available on request).
- Compact dimensions for minimal impact in customers' applications.
- Smooth-running long-lasting seal ensures low starting torque and low continuous torque.
- Dirt protection by means of rotary seals.
- Air supply via axial or radial fitting screw connections.



SPECIFICATIONS

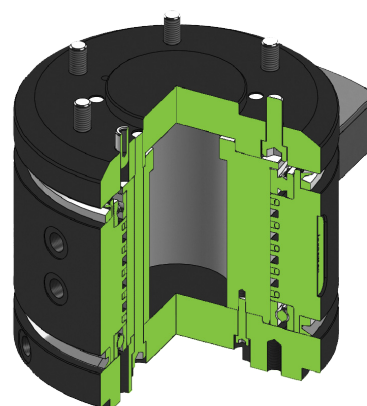
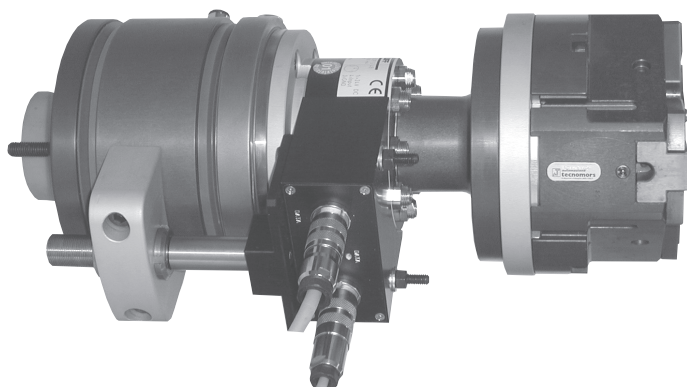
Model	Nr. of feed-throughs	Recommended handling weight	Starting torque	Robot side connection	Max Radial Torque	Max Rotational Speed	Weight
PRD4-40	4	20.00 kg 44.10 lb	5 Nm 44.25 lb-in	ISO 9409-1-40	80 Nm 708 in lb	600 rpm	1.53 Kg 3.37 lb
PRD4-50	4	20.00 kg 44.10 lb	5 Nm 44.3 lb-in	ISO 9409-1-50	80 Nm 708 in lb	600 rpm	1.63 Kg 3.59 lb
PRD4-63	4	35.00 kg 77.18 lb	9 Nm 80 lb-in	ISO 9409-1-63	100 Nm 885 in lb	500 rpm	3.21 Kg 7.06 lb
PRD4-80	4	100.00 kg 220.50 lb	20 Nm 177 lb-in	ISO 9409-1-80	350 Nm 3098 in lb	300 rpm	6.90 Kg 15.18 lb
PRD4-100	4	100.00 kg 220.50 lb	20 Nm 177 lb-in	ISO 9409-1-100	350 Nm 3098 in lb	300 rpm	7.00 Kg 15.40 lb
PRD4-125	4	225.00 kg 496.13 lb	45 Nm 400 lb-in	ISO 9409-1-125	600 Nm 5310 in lb	240 rpm	17.20 Kg 37.84 lb
PRD4-160	4	225.00 kg 496.13 lb	45 Nm 400 lb-in	ISO 9409-1-160	600 Nm 5310 in lb	240 rpm	18.15 Kg 39.93 lb

The product is NOT intended for continuous rotation applied but only for discontinuous rotational movement
Working Pressure Range **2 - 12 bar (29 - 174 psi)**

Options:

- Number of feed-throughs (more than 4)
- Customized flange pattern
- Electrical module for 8 discrete inputs (max. 160 mA each)
- Special rubber seals

SECTIONAL DIAGRAM

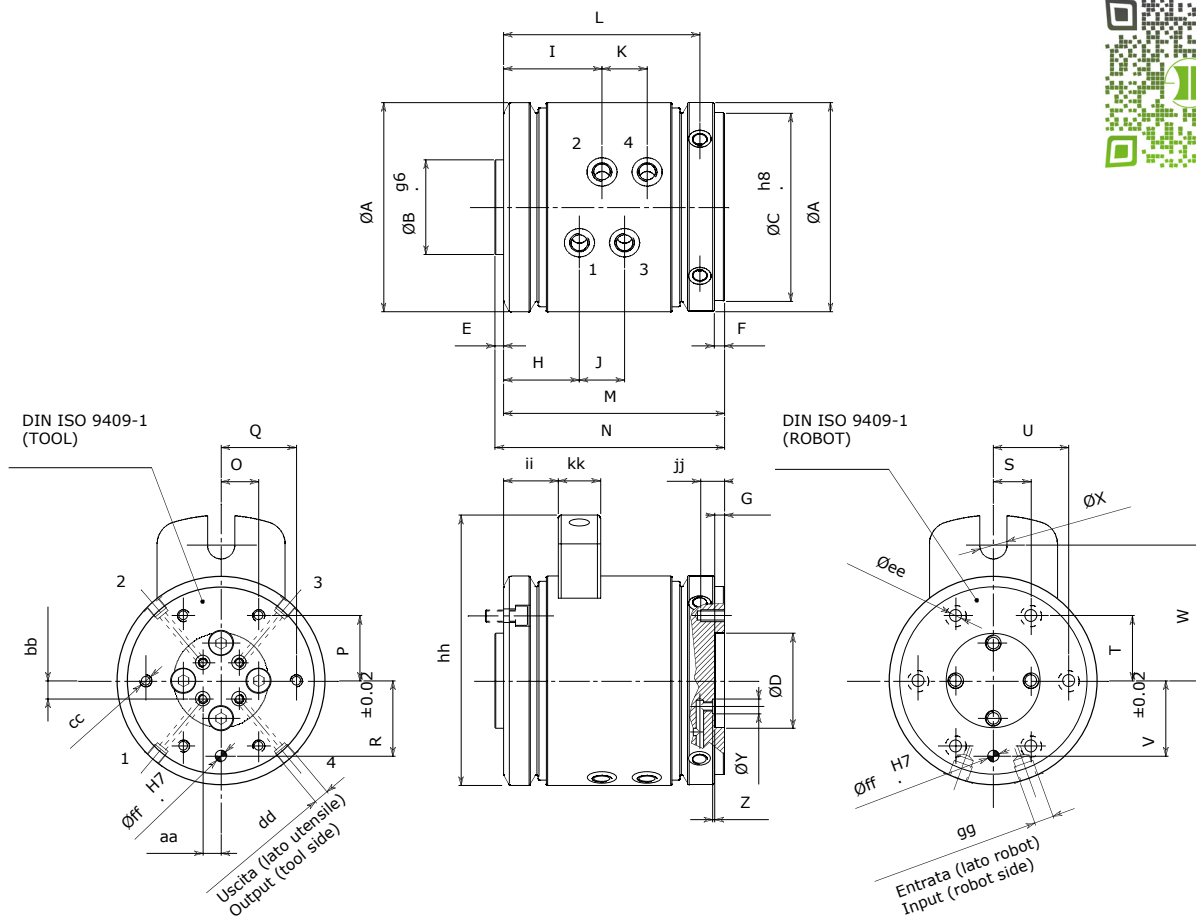


PRODUCT INFORMATION

PRD 4 Feed-Through



03.25_Rev.05



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
PRD4-40	79 (3.11)	25 (0.98)	50 (1.97)	25 (0.98)	5.5 (0.22)	6.5 (0.26)	6.5 (0.26)	35.5 (1.4)	46 (1.81)	21 (0.83)	21 (0.83)	88.5 (3.48)	102 (4.02)	107.5 (4.23)	14.14 (0.56)	14.14 (0.56)	-	20 (0.79)	14.14 (0.56)
PRD4-50	79 (3.11)	31.5 (1.24)	63 (2.48)	31.5 (1.24)	5.5 (0.22)	6.5 (0.26)	6.5 (0.26)	35.5 (1.4)	46 (1.81)	21 (0.83)	21 (0.83)	88.5 (3.48)	102 (4.02)	107.5 (4.23)	17.68 (0.7)	17.68 (0.7)	-	25 (0.98)	17.68 (0.7)
PRD4-63	98 (3.86)	40 (1.57)	80 (3.15)	40 (1.57)	5.5 (0.22)	6.5 (0.26)	6.5 (0.26)	41.25 (1.62)	54.75 (2.16)	27 (1.06)	27 (1.06)	111 (4.37)	125 (4.92)	130.5 (5.14)	22.27 (0.88)	22.27 (0.88)	-	31.5 (1.24)	22.27 (0.88)
PRD4-80	139 (5.47)	50 (1.97)	100 (3.94)	50 (1.97)	5.5 (0.22)	7 (0.28)	6.5 (0.26)	46.5 (1.83)	57.5 (2.26)	26 (1.02)	26 (1.02)	120.5 (4.74)	137 (5.39)	142.5 (5.61)	20 (0.79)	34.64 (1.36)	40 (1.57)	40 (1.57)	20 (0.79)
PRD4-100	139 (5.47)	63 (2.48)	125 (4.92)	63 (2.48)	5.5 (0.22)	7 (0.28)	6.5 (0.26)	46.5 (1.83)	57.5 (2.26)	26 (1.02)	26 (1.02)	120.5 (4.74)	137 (5.39)	142.5 (5.61)	25 (0.98)	43.3 (1.7)	50 (1.97)	50 (1.97)	25 (0.98)
PRD4-125	184 (7.24)	80 (3.15)	160 (6.3)	80 (3.15)	7.5 (0.3)	8.5 (0.33)	8.5 (0.33)	59 (2.32)	74 (2.91)	30.4 (1.2)	30.4 (1.2)	144.5 (5.69)	164.5 (6.48)	172 (6.77)	31.25 (1.23)	54.13 (2.13)	62.5 (2.46)	62.5 (2.46)	31.25 (1.23)
PRD4-200	200 (7.87)	100 (3.94)	200 (7.87)	100 (3.94)	7.5 (0.3)	8.5 (0.33)	8.5 (0.33)	59 (2.32)	74 (2.91)	30.4 (1.2)	30.4 (1.2)	144.5 (5.69)	164.5 (6.48)	172 (6.77)	40 (1.57)	69.28 (2.73)	80 (3.15)	80 (3.15)	40 (1.57)

	T	U	V	W	X	Y	Z	aa	bb	cc	dd	ee	ff	gg	hh	ii	jj	kk
PRD4-40	14.14 (0.56)	-	20 (0.79)	50 (1.97)	12.2 (0.48)	7 (0.28)	1.1 (0.04)	4 (0.16)	5.5 (0.22)	M6	M5	6.5 (0.26)	6 (0.24)	G1/8	101.5 (4)	26.5 (1.04)	12 (0.47)	18 (0.71)
PRD4-50	17.68 (0.7)	-	25 (0.98)	50 (1.97)	12.2 (0.48)	7 (0.28)	1.1 (0.04)	4 (0.16)	5.5 (0.22)	M6	M5	6.5 (0.26)	6 (0.24)	G1/8	101.5 (4)	26.5 (1.04)	12 (0.47)	18 (0.71)
PRD4-63	22.27 (0.88)	-	31.5 (1.24)	65 (2.56)	12.2 (0.48)	7 (0.28)	1.1 (0.04)	5.5 (0.22)	5.5 (0.22)	M6	G1/8	6.5 (0.26)	6 (0.24)	G1/8	129 (5.08)	30.25 (1.19)	12 (0.47)	22 (0.87)
PRD4-80	34.64 (1.36)	40 (1.57)	40 (1.57)	90 (3.54)	18.2 (0.72)	10 (0.39)	1.3 (0.05)	12.02 (0.47)	12.02 (0.47)	M8	G1/8	8.5 (0.33)	8 (0.31)	G1/4	179.5 (7.07)	36.5 (1.44)	16 (0.63)	28 (1.1)
PRD4-100	43.3 (1.7)	50 (1.97)	50 (1.97)	90 (3.54)	18.2 (0.72)	10 (0.39)	1.3 (0.05)	12.02 (0.47)	12.02 (0.47)	M8	G1/8	8.5 (0.33)	8 (0.31)	G1/4	179.5 (7.07)	36.5 (1.44)	16 (0.63)	28 (1.1)
PRD4-125	54.13 (2.12)	62.5 (2.46)	62.5 (2.46)	120 (4.72)	24.2 (0.95)	14 (0.55)	1.3 (0.05)	17.68 (0.7)	17.68 (0.7)	M10	G1/4	10.5 (0.41)	10 (0.39)	G1/4	236 (9.29)	50 (1.97)	20 (0.79)	34 (1.34)
PRD4-200	69.28 (2.73)	80 (3.15)	80 (3.15)	120 (4.72)	24.2 (0.95)	14 (0.55)	1.3 (0.05)	17.68 (0.7)	17.68 (0.7)	M10	G1/4	10.5 (0.41)	10 (0.39)	G1/4	244 (9.61)	50 (1.97)	20 (0.79)	34 (1.34)

* Dimensions are in millimeters (inches).

** All dimensions are descriptive and subject to variation for technical upgrading. We reserve the right to make variations without prior notification



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