

HERE'S A CHALLENGE ...

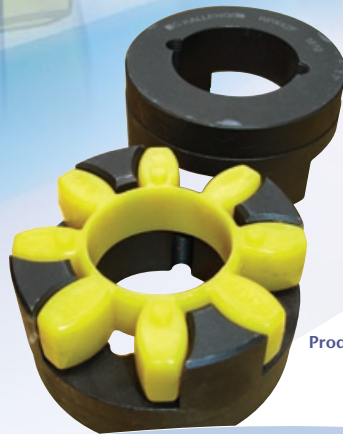
Where do you get

Torque with no Shock?

From

CHALLENGE®

RPX
92 98



Lock in to:

Secure source of supply • Superior service
Product quality and reliability • Manufacturers prices
Securing more than just your profits

Never a problem always a ...

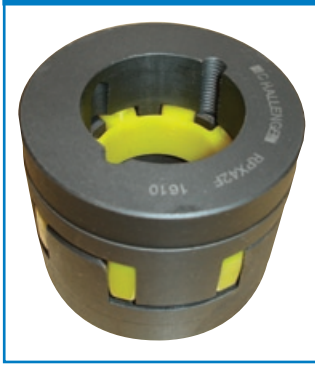
CHALLENGE®

www.challengept.com

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RPX Coupling



The benefits

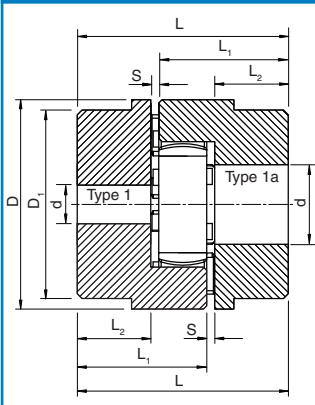


- High torque capacity for size
- Compact design
- Low weight for reduced inertia
- Machined surfaces for extended life
- Absorbs shock loads
- Vibration dampening

RPX Coupling Data - Pilot bored

TYPE	Max Speed rev/min	Rated Torque		D	D ₁	d-min	d-max	S	L ₁	L ₂	L	Mass kg/hub
		92 shore	98 shore									
19 1	19000	10	17	40	32	6	19	1.0	39.0	25	65	0.19
1a				40	-	19	24	1.0	39.0	25	65	-
24 1	14000	35	60	56	40	9	24	1.0	46.0	30	77	0.38
1a				56	-	22	28	1.0	46.0	30	77	-
28 1	11800	95	160	65	48	10	28	1.5	52.5	35	89	0.62
1a				65	-	28	38	1.5	52.5	35	89	-
38 1	9500	190	325	80	66	12	38	1.0	66.0	45	112	1.36
1a				80	-	38	45	1.0	66.0	45	112	-
42 1	8000	265	450	95	75	14	42	1.0	73.0	50	124	2.03
1a				95	-	42	55	1.0	73.0	50	124	-
48 1	7100	310	525	105	85	15	48	1.5	80.5	56	138	2.85
1a				105	-	48	60	1.5	80.5	56	138	-
55 1	6300	410	685	120	98	20	55	2.0	91.0	65	158	4.32
1a				120	-	55	70	2.0	91.0	65	158	-
65 1	5600	625	940	135	115	22	65	1.5	105.5	75	182	6.66
1a				135	-	22	65	1.5	105.5	75	182	-
75 1	4750	1280	1920	160	135	30	75	1.0	120.0	85	206	10.48
1a				160	-	30	75	1.0	120.0	85	206	-
90 1	3750	2400	3600	200	160	40	90	1.5	139.5	100	241	17.89
1a				200	180	40	90	1.5	139.5	100	241	-

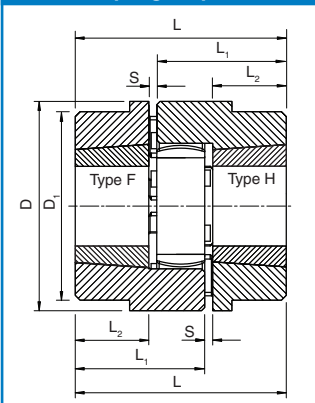
RPX Coupling - Pilot bored



RPX Coupling Data - Taper bored

TYPE	Max Speed rev/min	Rated Torque		Bush Size	Max Bore	D	D ₁	S	L ₁	L ₂	L	Mass kg/hub
		92 shore	98 shore									
24 F	14000	35	60	1008	25	56	-	1.0	39.0	23.0	63.0	0.31
H				1008	25	56	-	1.0	39.0	23.0	63.0	0.31
28 F	11800	95	160	1108	28	65	-	1.5	40.5	23.0	65.0	0.46
H				1108	28	65	-	1.5	40.5	23.0	65.0	0.46
38 F	9500	190	325	1108	28	80	78	1.0	44.0	23.0	68.0	0.79
H				1108	28	80	78	1.0	44.0	23.0	68.0	0.79
42 F	8000	265	450	1610	42	95	94	1.0	49.0	26.0	76.0	1.10
H				1610	42	95	94	1.0	49.0	26.0	76.0	1.10
48 F	7100	310	525	1615	42	105	104	1.5	63.5	39.0	104.0	2.07
H				1615	42	105	104	1.5	63.5	39.0	104.0	2.07
55 F	6300	410	685	2012	50	120	118	2.0	59.0	33.0	94.0	2.22
H				2012	50	120	118	2.0	59.0	33.0	94.0	2.22
65 F	5600	625	940	2012	50	135	133	1.5	63.5	33.0	98.0	3.14
H				2517	65	135	133	1.5	75.5	45.0	122.0	4.03
75 F	4750	1280	1920	2517	65	160	135	1.0	81.0	46.0	128.0	4.69
H				3020	75	160	135	1.0	87.0	52.0	140.0	4.99
90 F	3750	2400	3600	3020	75	200	160	1.5	91.5	52.0	145.0	7.74
H				3525	100	200	160	1.5	103.5	64.0	169.0	8.74

RPX Coupling - Taper bored



RPX ELEMENTS ARE AVAILABLE IN SHORE 98 (RED) HARDNESS AND SHORE 92 (YELLOW)
All dimensions in millimetres unless otherwise stated.

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