

530
540

COUPLINGS

Bellows

530
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Choose Ondrives bellows couplings:

- Stainless steel bellows
- Zero backlash
- Torsionally rigid
- Low inertia
- Temperature range -40°F to +248°F
- Aluminum hubs, clamp or set screw

Clamp Fixing				Inch or Metric			Cap Screw	Peak Torque	Max Compensation			Flexural Stiffness				Mass lb.	
Coupler		O.D. in.	L ±0.04 in.	L1 in.	Min Bore	Max Bore			lb. in.	Angular	Radial	Axial	Torsional	Angular	Radial		Axial
Part Number	Size									± deg.	± in.	± in.	lb. in/rad	lb/deg	lb/0.001"		lb/0.001"
536.20	20	0.79	1.22	0.43	3mm	8mm	M2.5	17	2	0.003	0.014	2780	0.231	0.656	0.101	0.035	
538.20	20	0.79	1.78	0.43	3mm	8mm	M2.5	8	6	0.020	0.039	1500	0.741	0.038	0.045	0.040	
540.20	20	0.79	1.72	0.43	3mm	8mm	M2.5	22	1.3	0.008	0.008	1990	0.741	0.047	0.041	0.037	
536.26	26	1.02	1.48	0.55	4mm	12mm	M3	28	2	0.003	0.014	6680	0.285	1.358	0.033	0.075	
538.26	26	1.02	2.14	0.55	4mm	12mm	M3	14	6	0.020	0.040	3360	0.087	0.047	0.017	0.084	
540.26	26	1.02	2.09	0.55	4mm	12mm	M3	35	1.3	0.008	0.008	5440	0.341	0.083	0.037	0.073	
536.34	34	1.34	1.57	0.55	6mm	16mm	M3	66	2.5	0.004	0.023	15400	0.301	1.295	0.038	0.123	
538.34	34	1.34	2.24	0.55	6mm	16mm	M3	33	8	0.039	0.075	8090	0.139	0.072	0.022	0.138	
540.34	34	1.34	2.23	0.55	6mm	16mm	M3	83	1.5	0.012	0.012	12870	0.444	0.132	0.159	0.126	
536.41	41	1.61	1.96	0.71	1/4"	20mm	M4	88	2.5	0.006	0.031	25490	0.355	0.822	0.075	0.218	
538.41	41	1.61	2.81	0.71	1/4"	20mm	M4	44	8	0.047	0.098	11590	0.116	0.053	0.022	0.236	
540.41	41	1.61	2.78	0.71	1/4"	20mm	M4	110	1.8	0.016	0.029	19870	0.516	0.110	0.041	0.218	

Set Screw Fixing				Inch or Metric			Cap Screw	Peak Torque	Max Compensation			Flexural Stiffness				Mass lb.	
Coupler		O.D. in.	L ±0.04 in.	L1 in.	Min Bore	Max Bore			lb. in.	Angular	Radial	Axial	Torsional	Angular	Radial		Axial
Part Number	Size									± deg.	± in.	± in.	lb. in/rad	lb/deg	lb/0.001"		lb/0.001"
530.20	20	0.79	1.22	0.43	3mm	8mm	M4	17	2	0.003	0.014	2780	0.231	0.656	0.101	0.040	
532.20	20	0.79	1.78	0.43	3mm	8mm	M4	8	6	0.020	0.039	1500	0.741	0.038	0.045	0.042	
534.20	20	0.79	1.72	0.43	3mm	8mm	M4	22	1.3	0.008	0.008	1990	0.741	0.047	0.041	0.040	
530.26	26	1.02	1.48	0.55	4mm	12mm	M5	28	2	0.003	0.014	6680	0.285	1.358	0.033	0.077	
532.26	26	1.02	2.14	0.55	4mm	12mm	M5	14	6	0.020	0.040	3360	0.087	0.047	0.017	0.086	
534.26	26	1.02	2.09	0.55	4mm	12mm	M5	35	1.3	0.008	0.008	5440	0.341	0.083	0.037	0.075	
530.34	34	1.34	1.57	0.55	6mm	16mm	M5	66	2.5	0.004	0.023	15400	0.301	1.295	0.038	0.128	
532.34	34	1.34	2.24	0.55	6mm	16mm	M5	33	8	0.039	0.075	8090	0.139	0.072	0.022	0.143	
534.34	34	1.34	2.23	0.55	6mm	16mm	M5	83	1.5	0.012	0.012	12870	0.444	0.132	0.159	0.130	
530.41	41	1.61	1.96	0.71	1/4"	20mm	M6	88	2.5	0.006	0.031	25490	0.355	0.822	0.075	0.225	
532.41	41	1.61	2.81	0.71	1/4"	20mm	M6	44	8	0.047	0.098	11590	0.116	0.053	0.022	0.242	
534.41	41	1.61	2.78	0.71	1/4"	20mm	M6	110	1.8	0.016	0.029	19870	0.516	0.110	0.041	0.225	

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Bellows

Flexibility of a bellows coupling with torsional stiffness and strength of a disc coupling

Ideal for servo/drive applications



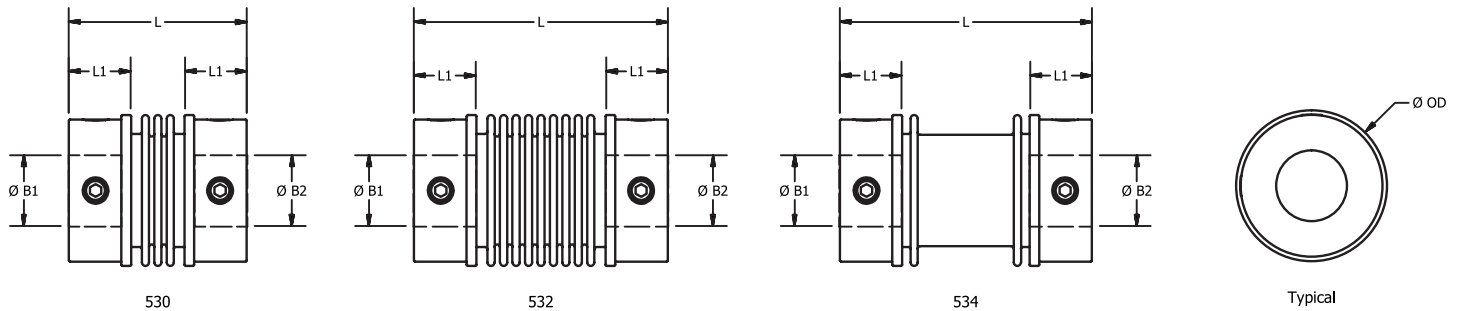
Materials & Finishes

Hubs: Aluminum Alloy 2014-T6 and Clear anodized finish
 Bellows: Spring quality stainless steel
 Joint assembly: Copper C12200/C106,
 heat treated Zinc plate, clear passivate
 Fasteners: Alloy steel, black oiled

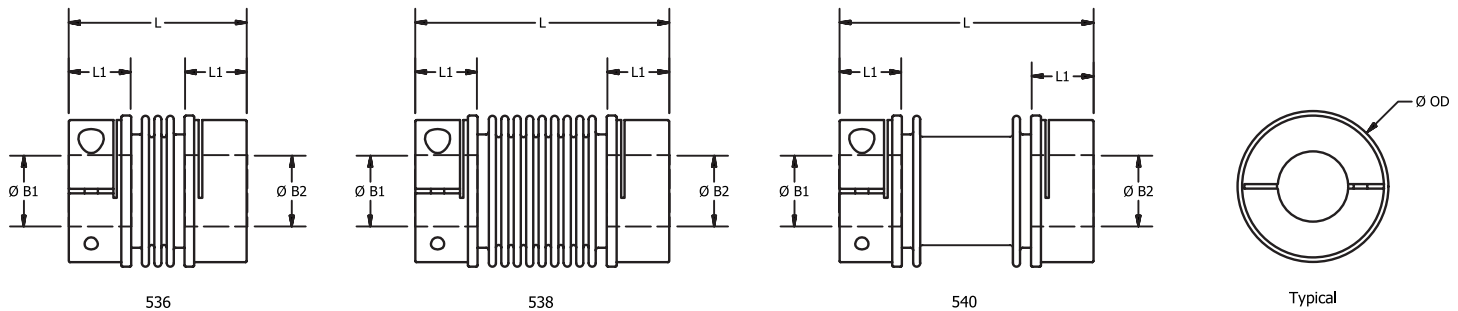
Parameter

Peak Torque	Better	Good	Best
Torsional Stiffness	Best	Good	Better
Angular Compensation	Better	Best	Good
Axial Compensation	Better	Best	Good
Radial Compensation	Good	Best	Better

Set Screw Hubs



Clamp Hubs



Example of part number with bore codes: 532.20.2028 (size 20 long version with set screws and 5mm x 8mm bores)

SIZE	Available Bores																						
	inch bores +.0012/-0000							metric bores +.03/-0															
	1/8	3/16	1/4	3/8	1/2	5/8	3/4	3	4	5	6	8	9	10	11	12	14	15	16	18	19	20	
20	.	.	.					.	.	.	.	.
26		.	.	.					.	.	.	.	.	.	.	.
34			.	.	.	.				.	.	.	.	.	.	.	.	.	.	.
41			.	.	.	.	.			.	.	.	.	.	.	.	.	.	.	.	.	.	.
Code	16	19	24	31	36	41	47	14	18	20	22	28	30	32	33	35	38	40	42	45	46	48	

CAD files on our website
 On-Line Ordering Available

Testing in your application is necessary. You will need to assess duty cycles and confirm suitability with your own calculations. All figures listed are to be used for guidance only.