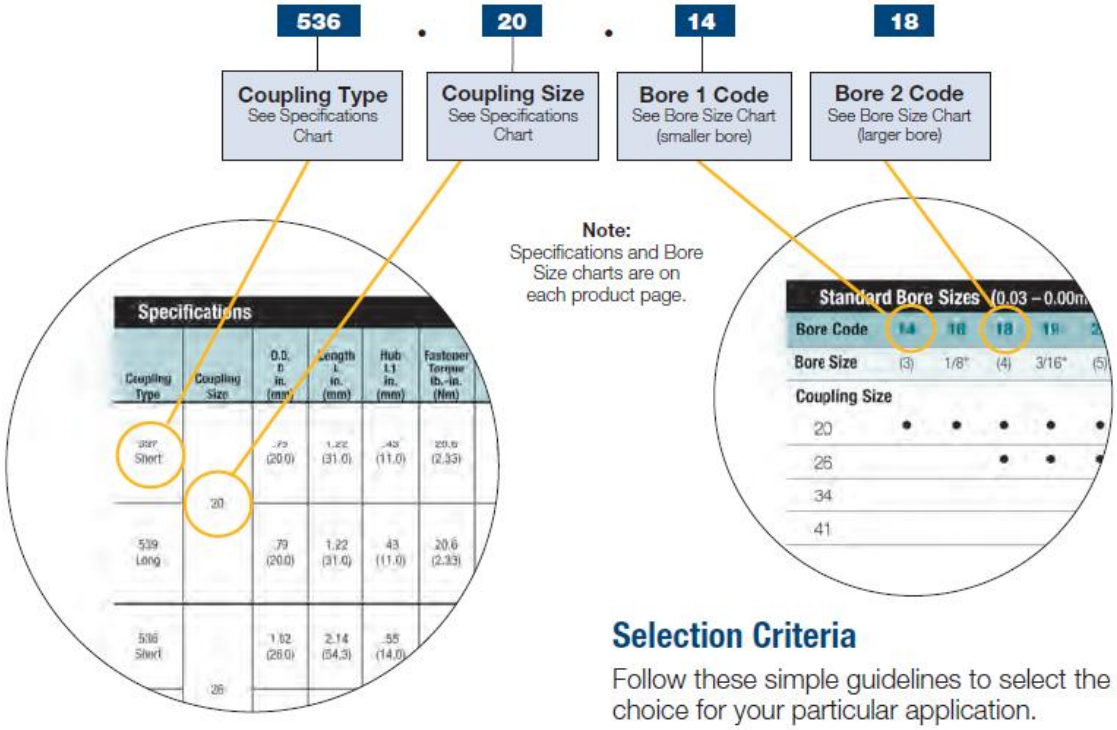
Selecting Flexible Couplings

Building an Ordering Part Number is fast and easy using the Specifications and Bore Size charts on each product page. Simply select the coupling type, coupling size and two bore sizes you require (always place smaller bore first). Always include (.) in Part Number.

Ordering Number System **Example: 536.20.1418**



Selection Criteria

Follow these simple guidelines to select the optima choice for your particular application.

Flex-Ni

Nickel Bellows Couplings

DIMENSIONS & ORDER CODES

Size	Number of convolutions	Order Code		Dimensions						Fasteners		
		Set Screw Hub	Clamp Hub	O.D in. (mm)	O/A Length L in. (mm)	Max Shaft Depth L1 in. (mm)	Max Bores	Moment of Inertia kgm2 x 10-8	Mass kg x 10-3	Size	Torque lb-in. (Ncm)	A/F in. (mm)
7	8	321.07	-	0.25 (6.35)	0.55 (14)	0.16 (4)	3.175	1.3	1.5	M2	3.63 (41)	.035 (0.9)
12	14	321.12	-	0.47 (12)	0.91 (23)	0.24 (6)	6.35	18.5	10	M2.5	6.99 (79)	.051 (1.3)
17	14	321.17	-	0.67 (17)	1.22 (31)	0.28 (7)	10	36.2	8.5	M3	11.68 (132)	.060 (1.5)
		-	323.17	0.64 (16.3)	1.30 (33)	0.31 (8)	6.35	46.6	11.0	M2	3.10 (35)	0.60 (1.5)
25	10	321.25	-	0.98 (25)	1.30 (33)	0.28 (7)	12.7	161.0	19.5	M3	11.68 (132)	0.60 (1.5)
		-	323.25	0.98 (25)	1.46 (37)	0.35 (9)	12.7	245.0	28.5	M2.5	5.84 (66)	0.08 (2.0)
36	7	321.36	-	1.43 (36.3)	1.67 (42.3)	0.37 (9.5)	19.05	601.0	39.0	M6	45.14 (510)	0.12 (3.0)
		-	323.36	1.43 (36.3)	1.85 (46.9)	0.46 (11.8)	19.05	2960.0	85.0	M4	23.19 (262)	0.12 (3.0)
50	11	321.50	-	2.00 (51)	2.33 (59.3)	0.41 (10.5)	20	952.0	52.0	M6	76.12 (860)	0.12 (3.0)
		-	323.50	2.00 (51)	2.44 (61.9)	0.46 (11.8)	20	3560.0	105.0	M4	23.19 (262)	0.12 (3.0)

PERFORMANCE

Size	Peak Torque lb-in. (Ncm)	Wind up Arcs/Ncm	Max misalignment compensation			Nominal Spring Rates			
			Angular Deg	Radial in. (mm)	Axial in. (mm)	Torsional (Nm/rad)	Angular (N/deg)	Radial (N/mm)	Axial (N/mm)
7	0.434 (4.9)	285	10	.007 (0.19)	.026 (0.65)	7	<0.15	6.9	3.5
12	1.15 (13)	75	15	.021 (0.54)	.068 (1.72)	27	<0.15	4.2	2.2
17	4.42 (50)	20	10	.017 (0.43)	.070 (1.78)	103	0.15	12.3	4.0
25	29.03 (328)	4.0	8	.018 (0.46)	.081 (2.07)	515	0.41	38.1	11.2
36	81.25 (918)	1.2	6	.018 (0.46)	0.13 (3.28)	1719	0.32	87.8	20.2
50	143.7 (1624)	0.6	9	.044 (1.12)	0.24 (6.1)	3438	<0.15	57.8	17.6

AVAILABLE BORES

Sizes indicated in parenthesis are metric (mm).

Size	Ø B1, B2 H8														
	(3)	1/8"	(4)	3/16"	(5)	(6)	1/4"	(8)	3/8"	(10)	(12)	1/2"	(16)	3/4"	(20)
7	•	•	•												
12	•	•	•	•	•	•	•								
17	•	•	•	•	•	•	•	S	S	S					
25						•	•	•	•	•	•	•			
36										•	•	•	•		
50											•	•	•	•	•
Bore Ref.	14	16	18	19	20	22	24	28	31	32	35	36	42	47	48

S = Setscrew only

IMPORTANT

Load capacity depends on application conditions:
see page 4 for details