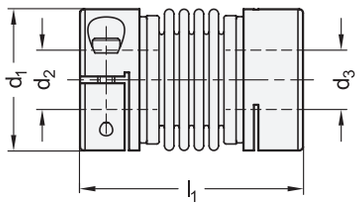
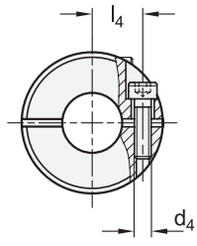
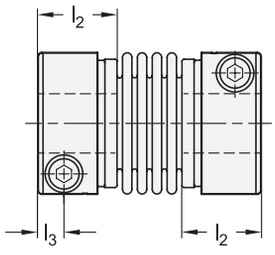


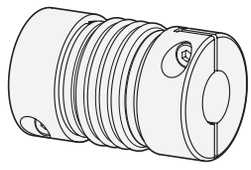


Inch | Metric

2 Bore code

B Without keyway





Bellows couplings with inch-inch bore

Dimensions in: inches - *millimeters*

1 d_1	3 d_2 - d_3 +0.001 Bore (in-in) Recommended shaft tolerance –0.001														
0.75 *19*	3/16-3/16	3/16-1/4	1/4-1/4	-	-	-	-	-	-	-	-	-	-	-	-
1.06 *27*	1/4-1/4	1/4-3/8	1/4-1/2	3/8-3/8	3/8-1/2	1/2-1/2	-	-	-	-	-	-	-	-	-
1.26 *32*	1/4-1/4	1/4-3/8	1/4-1/2	1/4-5/8	3/8-3/8	3/8-1/2	3/8-5/8	1/2-1/2	1/2-5/8	5/8-5/8	-	-	-	-	-
1.57 *40*	3/8-3/8	3/8-1/2	3/8-5/8	3/8-3/4	3/8-7/8	1/2-1/2	1/2-5/8	1/2-3/4	1/2-7/8	5/8-5/8	5/8-3/4	5/8-7/8	3/4-3/4	3/4-7/8	7/8-7/8

Bellows couplings with metric-metric bore

Dimensions in: millimeters - *inches*

1 d_1	3 d_2 - d_3 H8 Bore (mm-mm) Recommended shaft tolerance h7														
19 *0.75*	5-5	5-6	5-8	6-6	6-8	8-8	-	-	-	-	-	-	-	-	-
27 *1.06*	6-6	6-8	6-10	8-8	8-10	10-10	-	-	-	-	-	-	-	-	-
32 *1.26*	10-10	10-12	10-14	12-12	12-14	14-14	-	-	-	-	-	-	-	-	-
40 *1.57*	12-12	12-15	12-19	15-15	15-19	19-19	-	-	-	-	-	-	-	-	-

Bellows couplings with metric-inch bore

Dimensions in: millimeters - *inches*

1 d_1	3 d_2 - d_3 H8 Bore (mm-in) Recommended shaft tolerance h7														
19 *0.75*	5-3/16	5-1/4	6-3/16	6-1/4	8-3/16	8-1/4	-	-	-	-	-	-	-	-	-
27 *1.06*	6-1/4	6-3/8	6-1/2	8-1/4	8-3/8	8-1/2	10-1/4	10-3/8	10-1/2	-	-	-	-	-	-
32 *1.26*	10-1/4	10-3/8	10-1/2	10-5/8	12-1/4	12-3/8	12-1/2	12-5/8	14-1/4	14-3/8	14-1/2	14-5/8	-	-	-
40 *1.57*	12-3/8	12-1/2	12-5/8	12-3/4	12-7/8	15-3/8	15-1/2	15-5/8	15-3/4	15-7/8	19-3/8	19-1/2	19-5/8	19-3/4	19-7/8

Dimensions in: millimeters - *inches*

d_1	d_4 Thread	l_1	l_2 Recommended shaft insertion depth	l_3	l_4	Tightening torque of the screw in Nm ≈
19 *0.75*	M 2	30 *1.18*	10.5 *0.41*	3 *0.12*	6.8 *0.27*	0.5
27 *1.06*	M 2.5	35 *1.38*	12.5 *0.49*	3.5 *0.14*	10.3 *0.41*	0.9
32 *1.26*	M 3	46 *1.81*	15.5 *0.61*	4.3 *0.17*	12 *0.47*	1.5
40 *1.57*	M 4	51 *2.01*	16 *0.63*	5 *0.20*	15 *0.59*	3.5

d_1	Rated torque in Nm	Max. speed (min^{-1})	Moment of inertia in kgm^2	Static torsional stiffness in Nm/rad	Max. shaft misalignment		
					Lateral	Axial	Angular in °
19 *0.75*	1.5	33,000	8.6×10^{-7}	170	0.15 *0.006*	± 0.5 *±0.020*	1.5
27 *1.06*	2.3	23,000	3.6×10^{-6}	800	0.15 *0.006*	± 0.5 *±0.020*	1.5
32 *1.26*	4.5	19,000	1.1×10^{-5}	1600	0.2 *0.008*	± 0.7 *±0.028*	1.5
40 *1.57*	10	15,000	2.8×10^{-5}	2700	0.2 *0.008*	± 1 *±0.039*	1.5

Specification

	4	5
• Hub Aluminum Anodized finish, natural color	**AL**	
• Bellows Stainless steel AISI 304		**NI**
• Socket cap screws DIN 912 Steel, blackened finish		
• Crimp ring Brass		
• Temperature resistant up to 248 °F (120 °C)		
• *ISO Fundamental Tolerances → page QVX*		
• *Stainless Steel Characteristics → page QVX*		
• RoHS compliant		

On request

- Bore with keyway

Information

Bellows couplings GN 2244 transmit angle positions and torques with extreme precision and zero backlash. The metal bellows also reliably compensates for shaft misalignments and runout tolerances. The clamping hubs make bellows couplings very easy to install.

They are used in applications where precise position and movement transmission is required, such as in the servo drive systems of machine tools and in industrial robots.

see also...

- *Elastomer Jaw Couplings GN 2240 (with Clamping Hub) → page QVX*
- *Beam Couplings GN 2246 → page QVX*
- *Installation Information on Couplings → page XYZ*
- *Technical Information on Couplings → page XYZ*

How to order

GN 2244 - 19 - B3/16 - 1/4 - AL - NI

1	**Outside diameter d_1**
2	**Bore code**
3	**Bore d_2-d_3**
4	**Material (Hub)**
5	**Material (Bellows)**