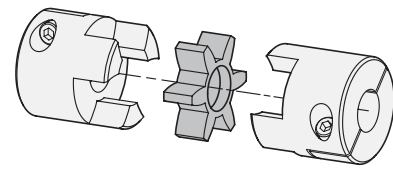


2 Bore code
B Without keyway
K With keyway (from $d_1 = 30$)

Assembly instruction



Specification

• Hub Aluminum Anodized finish, natural color	AL
• Coupling spider Thermoplastic Polyurethane (TPU) Temperature resistant up to 140 °F (60 °C) Hardness 80 shore A, blue 92 shore A, white 98 shore A, red	BS WS RS
• Socket cap screws DIN 912 Steel, blackened finish	
• Temperature range from: -4 °F up to +140 °F (-20 °C up to +60 °C)	
• Keyways WN / DIN 6885 → page XYZ / QVX	
• ISO Fundamental Tolerances → page QVX	
• Elastomer Characteristics → page QVX	
• RoHS compliant	

Accessory

• Coupling spiders GN 2240.1 → page QVX

Information

Elastomer jaw couplings GN 2240 can transmit very high torques while compensating for shaft misalignments and runout tolerances. They are preferred in applications where the focus lies on pure torque and power transmission.

The choice of three coupling spiders with different hardness values allows the properties of the coupling to be optimally matched to the specific requirements. The clamping hubs and simple plug-in installation make jaw couplings very easy to assemble.

With the bore code K, the keyway is always integrated into both bores d_2 and d_3 .

see also...

- Elastomer Jaw Couplings GN 2241 (with Set Screw) → page QVX
- Oldham Couplings GN 2242 (with Clamping Hub) → page QVX
- Installation Information on Couplings → page XYZ
- Technical Information on Couplings → page XYZ

How to order	1 Outside diameter d_1
	2 Bore code
	3 Bore d_2 - d_3
	4 Material
	5 Hardness

GN 2240-14- B3/16 - 3/16 -AL-RS

Jaw couplings with inch-inch bore

Dimensions in: inches - millimeters

d₁	d₂ - d₃ +0.001 Bore (in-in) Recommended shaft tolerance -0.001									
0.55 14	3/16-3/16	3/16-1/4	1/4-1/4	-	-	-	-	-	-	-
0.79 20	3/16-3/16	3/16-1/4	3/16-5/16	3/16-3/8	1/4-1/4	1/4-5/16	1/4-3/8	5/16-5/16	5/16-3/8	3/8-3/8
1.18 30	5/16-5/16	5/16-3/8	5/16-1/2	5/16-5/8	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	1/2-1/2	1/2-5/8	1/2-3/4	5/8-5/8	5/8-3/4	3/4-3/4
2.17 55	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

d₁	d₄ Thread	l₁	l₂ Recommended shaft insertion depth	l₃	l₄	s Recommended installation spacing
0.55 14	M 2 / M 1.6*	0.87 22	0.28 7	0.14 3.5	0.16 / 0.20* 4 / 5	0.04 1
0.79 20	M 2.5 / M 2**	1.18 30	0.39 10	0.20 5	0.26 / 0.30** 6.5 / 7.5	0.04 1
1.18 30	M 4 / M 3***	1.38 35	0.43 11	0.22 5.5	0.39 / 0.43*** 10 / 11	0.06 1.5
1.57 40	M 5	2.60 66	0.98 25	0.33 8.5	0.55 14	0.08 2
2.17 55	M 6	3.07 78	1.18 30	0.41 10.5	0.79 20	0.08 2

* for bore d₂ / d₃ = 1/4 ** for bore d₂ / d₃ = 3/8 *** for bore d₂ / d₃ ≥ 1/2

Jaw couplings with metric-metric bore

Dimensions in: millimeters - inches

d₁	d₂ - d₃ H8 Bore (mm-mm) Recommended shaft tolerance h7									
14 0.55	3-3	3-4	3-5	3-6	4-4	4-5	4-6	5-5	5-6	6-6
20 0.79	5-5	5-6	5-8	6-6	6-8	8-8	-	-	-	-
30 1.18	8-8	8-10	8-12	8-14	10-10	10-12	10-14	12-12	12-14	14-14
40 1.57	12-12	12-14	12-15	12-16	14-14	14-15	14-16	15-15	15-16	16-16
55 2.17	18-18	18-19	18-20	18-25	19-19	19-20	19-25	20-20	20-25	25-25

d₁	d₄ Thread	l₁	l₂ Recommended shaft insertion depth	l₃	l₄	s Recommended installation spacing
14 0.55	M 2 / M 1.6*	22 0.87	7 0.28	3.5 0.14	4 / 5* 0.16 / 0.20	1 0.04
20 0.79	M 2.5	30 1.18	10 0.39	5 0.20	6.5 0.26	1 0.04
30 1.18	M 4 / M 3**	35 1.38	11 0.43	5.5 0.22	10 / 11** 0.39 / 0.43	1.5 0.06
40 1.57	M 5	66 2.60	25 0.98	8.5 0.33	14 0.55	2 0.08
55 2.17	M 6	78 3.07	30 1.18	10.5 0.41	20 0.79	2 0.08

* for bore d₂ / d₃ = 6 ** for bore d₂ / d₃ = 14

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10



Jaw couplings with metric-inch bore

1

3

Dimensions in: millimeters - inches

d ₁	d ₂ - d ₃ H8 Bore (mm-in) Recommended shaft tolerance h7															
14 0.55	3-3/16	3-1/4	4-3/16	4-1/4	5-3/16	5-1/4	6-3/16	6-1/4	-	-	-	-	-	-	-	-
20 0.79	5-3/16	5-1/4	5-5/16	5-3/8	6-3/16	6-1/4	6-5/16	6-3/8	8-3/16	8-1/4	8-5/16	8-3/8	-	-	-	-
30 1.18	8-5/16	8-3/8	8-1/2	8-5/8	10-5/16	10-3/8	10-1/2	10-5/8	12-5/16	12-3/8	12-1/2	12-5/8	14-5/16	14-3/8	14-1/2	14-5/8
40 1.57	12-3/8	12-1/2	12-5/8	12-3/4	14-3/8	14-1/2	14-5/8	14-3/4	15-3/8	15-1/2	15-5/8	15-3/4	16-3/8	16-1/2	16-5/8	16-3/4
55 2.17	18-1/2	18-5/8	18-3/4	18-7/8	19-1/2	19-5/8	19-3/4	19-7/8	20-1/2	20-5/8	20-3/4	20-7/8	25-1/2	25-5/8	25-3/4	25-7/8

d ₁	d ₄ Thread	l ₁	l ₂ Recommended shaft insertion depth	l ₃	l ₄	s Recommended installation spacing
14 0.55	M 2 / M 1.6*	22 0.87	7 0.28	3.5 0.14	4 / 5* 0.16 / 0.20	1 0.04
20 0.79	M 2.5 / M 2**	30 1.18	10 0.39	5 0.20	6.5 / 7.5** 0.26 / 0.30	1 0.04
30 1.18	M 4 / M 3***	35 1.38	11 0.43	5.5 0.22	10 / 11*** 0.39 / 0.43	1.5 0.06
40 1.57	M 5	66 2.60	25 0.98	8.5 0.33	14 0.55	2 0.08
55 2.17	M 6	78 3.07	30 1.18	10.5 0.41	20 0.79	2 0.08

* for bore d₂ = 6 ** for bore d₃ = 3/8 *** for bore d₂ = 14
* for bore d₃ = 1/4 *** for bore d₃ = 1/2 *** for bore d₃ = 5/8

Dimensions in: millimeters - inches

d ₁	Coupling spider	Shore hardness coupling spider	Rated torque in Nm	Max. 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 °
14 0.55	BS	80A	0.7	1.4	45,000	2.0 x 10 ⁻⁷	8	0.15 0.006	0.6 0.024	1
	WS	92A	1.2	2.4	45,000	2.0 x 10 ⁻⁷	14	0.1 0.004	0.6 0.024	1
	RS	98A	2	4	45,000	2.0 x 10 ⁻⁷	22	0.1 0.004	0.6 0.024	1
20 0.79	BS	80A	1.8	3.6	31,000	1.1 x 10 ⁻⁶	16	0.2 0.008	0.8 0.031	1
	WS	92A	3	6	31,000	1.1 x 10 ⁻⁶	29	0.15 0.006	0.8 0.031	1
	RS	98A	5	10	31,000	1.1 x 10 ⁻⁶	55	0.1 0.004	0.8 0.031	1
30 1.18	BS	80A	4	8	21,000	6.2 x 10 ⁻⁶	46	0.2 0.008	1 0.039	1
	WS	92A	7.5	15	21,000	6.2 x 10 ⁻⁶	73	0.15 0.006	1 0.039	1
	RS	98A	12.5	25	21,000	6.2 x 10 ⁻⁶	130	0.1 0.004	1 0.039	1
40 1.57	BS	80A	4.9	9.8	15,000	3.7 x 10 ⁻⁵	380	0.15 0.006	1.2 0.047	1
	WS	92A	10	20	15,000	3.7 x 10 ⁻⁵	570	0.1 0.004	1.2 0.047	1
	RS	98A	17	34	15,000	3.7 x 10 ⁻⁵	1200	0.1 0.004	1.2 0.047	1
55 2.17	BS	80A	17	34	11,000	1.6 x 10 ⁻⁴	1400	0.2 0.008	1.4 0.055	1
	WS	92A	35	70	11,000	1.6 x 10 ⁻⁴	1600	0.15 0.006	1.4 0.055	1
	RS	98A	60	120	11,000	1.6 x 10 ⁻⁴	2600	0.1 0.004	1.4 0.055	1