

Single-Beam | Beam Couplings

Aluminum Relieved Set Screw Type



Typical Applications

- Stepper drives
- Encoders
- General purpose light-duty power transmission

General Specifications

- Temperature range: -40 to +120 Degrees C.
- Standard speed rating: 5,000 rpm maximum.
- Standard fasteners are 100% metric.

Materials & Finishes

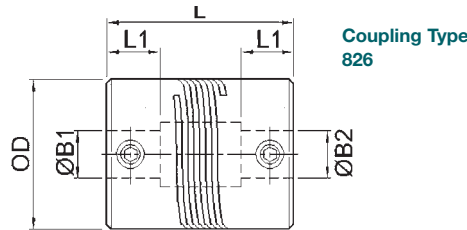
- **Couplings:** Aluminum L 168 or better
- **Fasteners:** Alloy steel, black oiled

Options

- **Keyways can be provided.** Consult Technical Support.

Dimensions

Set Screw Hubs



Coupling Type 826

• = B1 only • = B1 & B2

Sizes indicated in parenthesis are metric (mm).

Standard Bore Sizes (0.03 – 0.00mm)	
Bore Code	14 16 18 19 20 22 24 27 28 30 31 32 35 36 38 40 41 42 47 48 52 53
Bore Size	(3) 1/8" (4) 3/16" (5) (6) 1/4" 5/16" (8) (9) 3/8" (10) (12) 1/2" (14) (15) 5/8" (16) 3/4" (20) (24) (25)
Coupling Size	
16	• • • • • • •
19	• • • • • • • •
25	• • • • • • • • • •
32	• • • • • • • • • • • • • •
38	• • • • • • • • • • •
50	• • • • • • • • • • • •

For a complete list of bore sizes see page 5.

Visit www.bostongear.com to identify which parts are stocked items. If your bore combination is not stocked select a coupling to match your larger shaft size and select a bore reducer from page 56 to fit your smaller shaft.

Three Beam Couplings | Multi-Beam

Aluminum Relieved Set Screw and Clamp Type

Ordering Number System for Multi-Beam Models Example: 724.16.1420

724	16	14	20
Coupling Type 724 – Set Screw 725 – Clamp	Coupling Size 9, 13, 16, 19, 25, 32	Bore 1 Code See Bore Size Chart (smaller bore)	Bore 2 Code See Bore Size Chart (larger bore)

Order as one complete coupling part number with two bores. Include (.) in Part Number.

See page 5 for **keywayed** bores and more detailed ordering information.

Specifications										Part Number Examples		
Coupling Type	Coupling Size	O.D. D in. (mm)	Length L in. (mm)	Hub L1 in. (mm)	Torque* Capacity lb.-in. (Nm)	Misalignment Capacity**		Weight Lb (kg)	Bore		Set Screw Part Number	Clamp Part Number
						Angular Degree	Radial in. (mm)		B1	B2		
724 or 725	09	.38 (9.5)	.56 (14.2)	.18 (4.5)	3.5 (.40)	3	.004 (.10)	.005 (.002)	3mm	3mm	724.09.1414	725.09.1414
									1/8	1/8	724.09.1616	725.09.1616
724 or 725	13	.50 (12.7)	.75 (19.1)	.24 (6.0)	8.0 (.90)	5	.005 (.127)	.011 (.005)	4mm	4mm	724.13.1818	725.13.1818
									3/16	3/16	724.13.1919	725.13.1919
									5mm	5mm	724.13.2020	725.13.2020
724 or 725	16	.63 (15.9)	.80 (20.3)	.26 (6.5)	13.3 (1.5)	5	.005 (.127)	.020 (.009)	4mm	4mm	724.16.1818	725.16.1818
									3/16	3/16	724.16.1919	725.16.1919
									5mm	5mm	724.16.2020	725.16.2020
									6mm	6mm	724.16.2222	725.16.2222
									1/4	1/4	724.16.2424	725.16.2424
724 or 725	19	.75 (19.1)	.90 (22.9)	.26 (6.5)	22.1 (2.5)	5	.005 (.127)	.033 (.015)	5mm	6mm	724.19.2022	725.19.2022
									6mm	6mm	724.19.2222	725.19.2222
									6mm	8mm	724.19.2228	725.19.2228
									1/4	1/4	724.19.2424	725.19.2424
									8mm	8mm	724.19.2828	725.19.2828
724 or 725	25	1.00 (25.4)	1.25 (31.8)	.35 (9.0)	35.4 (4.0)	5	.005 (.127)	.082 (.037)	6mm	6mm	724.25.2222	725.25.2222
									8mm	8mm	724.25.2828	725.25.2828
									8mm	10mm	724.25.2832	725.25.2832
									1/4	3/8	724.25.2431	725.25.2431
									3/8	3/8	724.25.3131	725.25.3131
724 or 725	32	1.25 (31.8)	1.75 (44.5)	.47 (12.0)	53.1 (6.0)	5	.005 (.127)	.181 (.082)	10mm	10mm	724.25.3232	725.25.3232
									12mm	12mm	724.32.3535	725.32.3535
									13mm	13mm	724.32.3737	725.32.3737
									1/4	1/2	724.32.2436	725.32.2436
									3/8	1/2	724.32.3136	725.32.3136
									1/2	1/2	724.32.3636	725.32.3636
									14mm	14mm	724.32.3838	725.32.3838

*Torque Capacity is the maximum continuous rated torque assuming no misalignment. See page 52 for Torque Capacity Service Factors.

**Maximum misalignment values are mutually exclusive.