

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

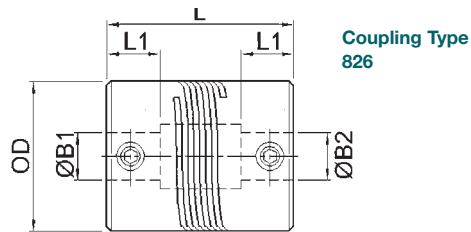
- **Couplings:** Aluminum L 168 or better
- **Fasteners:** Alloy steel, black oiled

Options

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

Dimensions

Set Screw Hubs



• = 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
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"
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 1/8	3mm 1/8	724.09.1414 724.09.1616	725.09.1414 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 3/16 5mm	4mm 3/16 5mm	724.13.1818 724.13.1919 724.13.2020	725.13.1818 725.13.1919 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 3/16 5mm 6mm 1/4	4mm 3/16 5mm 6mm 1/4	724.16.1818 724.16.1919 724.16.2020 724.16.2222 724.16.2424	725.16.1818 725.16.1919 725.16.2020 725.16.2222 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 6mm 8mm 1/4 8mm	6mm 6mm 8mm 1/4 8mm	724.19.2022 724.19.2222 724.19.2228 724.19.2424 724.19.2828	725.19.2022 725.19.2222 725.19.2228 725.19.2424 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 8mm 8mm 10mm 1/4 3/8 3/8 10mm	6mm 8mm 8mm 10mm 1/4 3/8 3/8 10mm	724.25.2222 724.25.2828 724.25.2832 724.25.2431 724.25.3131 724.25.3232	725.25.2222 725.25.2828 725.25.2832 725.25.2431 725.25.3131 725.25.3232
724 or 725	32	1.25 (31.8)	1.75 (44.5)	.47 (12.0)	53.1 (6.0)	5	.005 (.127)	.181 (.082)	8mm 10mm 12mm 13mm 1/4 3/8 1/2 1/2 14mm	8mm 10mm 12mm 13mm 1/4 3/8 1/2 1/2 14mm	724.32.2828 724.32.3232 724.32.3535 724.32.3737 724.32.2436 724.32.3136 724.32.3636 724.32.3838	725.32.2828 725.32.3232 725.32.3535 725.32.3737 725.32.2436 725.32.3136 725.32.3636 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.