

# 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

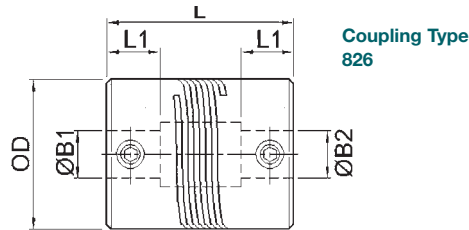
- **Couplings:** Aluminum L 168 or better
- **Fasteners:** Alloy steel, black oiled

### 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	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)
<b>Coupling Size</b>																						
16	•	•	•	•	•	•	•															
19			•	•	•	•	•		•													
25					•	•	•	•	•	•	•	•										
32						•	•	•	•	•	•	•	•	•	•	•	•	•				
38											•	•	•	•	•	•	•	•				
50															•	•	•	•	•	•	•	•

For a complete list of bore sizes see page 5.

Visit [www.bostongear.com](http://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

<b>724</b>	<b>16</b>	<b>14</b>	<b>20</b>
<b>Coupling Type</b> 724 – Set Screw 725 – Clamp	<b>Coupling Size</b> 9, 13, 16, 19, 25, 32	<b>Bore 1 Code</b> See Bore Size Chart (smaller bore)	<b>Bore 2 Code</b> 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
									8mm	8mm	724.32.2828	725.32.2828
									10mm	10mm	724.32.3232	725.32.3232
									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.

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