

## SINTERED AND SPHERICAL BEARINGS



**Sintered and spherical bearings are available with:**

- Oil cups or grease fittings
- Sintered or cast iron, bronze and nylon ball units

**Expertly designed and manufactured, featuring:**

- Self-aligning ball and socket design that compensates for surface or shaft mounting irregularities
- Self-metering lubrication system, including a factory-filled, large lubricant reservoir and capillary feeder system (grease fittings shipped dry)
- Precision bores supplied to customer specification, accurately sized and straightened to eliminate variations occurring in press-fitted parts

**Triangle sintered and spherical bearings are used around the world in:**

- Business machines
- Food processing equipment
- Small conveyors
- Lawn mowers and snow blowers
- HVAC
- Farm tractors and harvesting equipment
- Defense vehicles
- Class 8 trucks

### PRODUCT SPECIFICATIONS

#### Bore Tolerances Chart

Units	Bore Size	Lubrication	Mean	Tolerance
Steel & Cast Iron	0" - 15/16"	Oil-Plastic E	+0.001	+0.0005 - +0.0015
	1 - up	Oil-Plastic E	+0.0015	+0.001 - +0.0027
Bronze Bushed Balls	0 - 15/16	Grease	+0.0015	+0.001 - +0.002
	1 - up	Grease	+0.0025	+0.002 - +0.0037
Plain Cast Iron Balls	0" - 1-1/4"	Grease	+0.0025	+0.005 - +0.003
	1 - 15/16 up	Grease	+0.003	+0.003 - +0.004
Nylon Balls	All Sizes	None	+0.006	+0.004 - +0.008

### BEARING MATERIAL

- Aluminum
- Brass
- Delrin
- Nylon
- Oil Impregnated Bronze
- Oil Impregnated Iron
- Stainless Steel
- Steel
- Wood





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### NYLON

Diameter	Length	Bore Sizes	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"
1.00"	.50"		N4	N5	N6	N7	N8	N10	N12
1.19	.75								M12

### SINTERED BRONZE

Diameter	Length	Bore Sizes	3/8"	1/2"	5/8"	3/4"	7/8"	1"
1.00"	.50"		1406P	1408P	1410P			
1.19	.75			B8	B10	B12	B14	
1.50	1.00							4016P

B Series and 4016P are also available with grease fittings.

### SINTERED IRON

Diameter	Length	Bore Sizes	1/2"	5/8"	3/4"	7/8"	1"
1.00"	.50"		1508P	1510P	1512P		
1.19	.75		W8	W10	W12	W14	
1.50	1.00					4214P	4216P
1.69	1.25						4316P

4214P, 4216P and 4316P are also available with grease fittings.

### CAST IRON

Diameter	Length	Bore Sizes								
		1/2"	5/8"	3/4"	7/8"	1"				
1.69"	1.25"	J8G	J10G	J12G	J14G	J16G				
		1-1/16"	1-1/8"	1-3/16"	1-1/4"	1-3/8"	1-7/16"	1-1/2"	1-5/8"	1-3/4"
2.00	1.50	K17G	K18G	K19G	K20G	K22G				
2.00	1.50		T18G	T19G	T20G					
2.25	1.75	L17G	L18G	L19G	L20G	L22G	L23G	L24G	L26G	L28G
2.25	1.75		U18G	U19G	U20G		U24G			

J Series is also available with 3/16" and 15/16" bore.  
 L Series is also available with 15/16" bore.

### BRONZED BUSHED

Diameter	Length	Bore Sizes								
		1/2"	5/8"	3/4"	7/8"	1"				
2.00"	1.50"						1-1/8"	1-3/16"	1-1/4"	1-7/16"
							T18G	T19G	T20G	
2.25	1.75						U18G	U19G	U20G	U24G

T Series also is available with 3/16" and 15/16" bore.