

Miniature Ball Bearing Guides Sets / Shafts for Miniature Ball Bearing Guides -With Retaining Ring- -Straight-

CAD Data

Miniature Ball Bearing Guide Sets -With Retaining Ring- **RoHS 10**

Parts **Material** **Hardness**

Shafts	1.3505/100Cr6	58HRC~	Ball Retainer	CW614N/CuZn39Pb3	58HRC~
Bushing	1.3505/100Cr6	58HRC~	Steel balls	1.3505/100Cr6	58HRC~
			Retaining Ring	Spring Steel	44HRC~

Retaining rings are assembled into BGSTZ, BGSTA to prevent ball retainer from falling out.

Type	D	Shaft Dia. Tol.	L 1mm Increment	Y	F	D1 Outer Dia. Tol.	M (Coarse Thread)	d	Max. Stroke mm	Standard € Unit Price					
										BGSTZ			BGSTA		
BGSTZ BGSTA	5	0 -0.005	40-90	17	6	10	M3	7	13	L40-50	L51-100	L101-150	L40-50	L51-100	L101-150
	6														
	8														
	10														
12															

Shafts for Miniature Ball Bearing Guides -Straight- **RoHS 10**

Type	Material	Hardness
Linear Bushings Straight	BGZP 1.3505/100Cr6	58HRC~
Straight	SSBGZP 1.4125/X105CrMo17	56HRC~
Hollow Shaft	BGBP 1.3505/100Cr6	58HRC~

Linear Bushings Straight Type: BGZP, SSBGZP
Hollow Shaft Type: BGBP

Type	D	Shaft Dia. Tol.	L 1mm Increment	d	€ Unit Price								
					BGZP			SSBGZP			BGBP		
BGZP SSBGZP BGBP	2	0 -0.005	30-50	2.5	L30-50	L51-100	L101-150	L30-50	L51-100	L101-150	L40-50	L51-100	L101-150
	3												
	4												
	5												
	6												
	8												
10			40-150	3.3									
12		4.2											

Order Example Part Number - L
BGZP5 - 72

Days to Ship 8 Days Express A 5,00 EUR/piece P. 88
Ⓜ A Express Charge of JPN 13,50 for 3 or more identical pieces.

Price **Quantity Discount Price** (Round down to one Cent.) P. 87

Quantity	1-9	10-14	15-19	20-49
Rate	€ Unit Price	5%	10%	18%

Ⓜ Please request a quotation for orders of 50 or more identical pieces (except BGZP).

-Accuracy Standard-

- (1) L Dimension Tolerance: $L \leq 120 \Rightarrow \pm 0.3$, $L \geq 121 \Rightarrow \pm 0.5$
- (2) Circularity of Part D: 0.004 or less
- (3) Concentricity of D and P: 00.1 or less
- (4) Thickness Variations of Hollow: $D \geq 8 \Rightarrow 0.4$ or less, Deviation Value=A-B

Shafts for Miniature Ball Bearing Guides -One End Machined - Both Ends Machined

CAD Data

One End Machined **RoHS 10**

Type	Material	Hardness
One End Female Thread	BGDP 1.3505/100Cr6	58HRC~
Thread	SSBGDP 1.4125/X105CrMo17	56HRC~
One End Female Thread Hollow	BGAP 1.3505/100Cr6	58HRC~
Thread Hollow	SSBGAP 1.4125/X105CrMo17	56HRC~
One End Male Thread	BGEP 1.3505/100Cr6	58HRC~

Type	D	Shaft Dia. Tol.	L 1mm Increment	F	B	M (Coarse Thread)	d	€ Unit Price											
								BGDP			BGEP			SSBGDP			BGAP		
BGDP SSBGDP BGEP SSBGAP BGAP	5	0 -0.005	40-90	4	6	M3	2.5	L40-50	L51-100	L101-150	L40-50	L51-100	L101-150	L40-50	L51-100	L101-150	L40-50	L51-100	L101-150
	6																		
	8																		
	10																		
12																			

Both Ends Machined

Type	Material	Hardness
Both Ends Female Thread	BGFP 1.3505/100Cr6	58HRC~
	SSBGFP 1.4125/X105CrMo17	56HRC~
Both Ends Female Thread Hollow	BGCP 1.3505/100Cr6	58HRC~
One End Male Thread, One End Female Thread	BGHP 1.3505/100Cr6	58HRC~

Type	D	Shaft Dia. Tol.	L Selectable	F	B	M (Coarse Thread)	d	€ Unit Price					
								BGFP BGHP		BGCP		SSBGFP	
BGFP SSBGFP BGCP BGHP	5	0 -0.005	40 50 60 70 80 90	4	6	M3	2.5	L40+50	L60~	L40+50	L60~	L40+50	L60-100
	6												
	8												
	10												
12			40 50 60 70 80 90 100	5	10	M5	4.2						

Order Example Part Number - L
BGDP5 - 70

Days to Ship 8 Days Express A 5,00 EUR/piece P. 88
Ⓜ A Express Charge of JPN 13,50 for 3 or more identical pieces.

Price **Quantity Discount Price** (Round down to one Cent.) P. 87

Quantity	1-9	10-14	15-19	20-49
Rate	€ Unit Price	5%	10%	18%

Ⓜ Please request a quotation for orders of 50 or more identical pieces (except BGAP).