

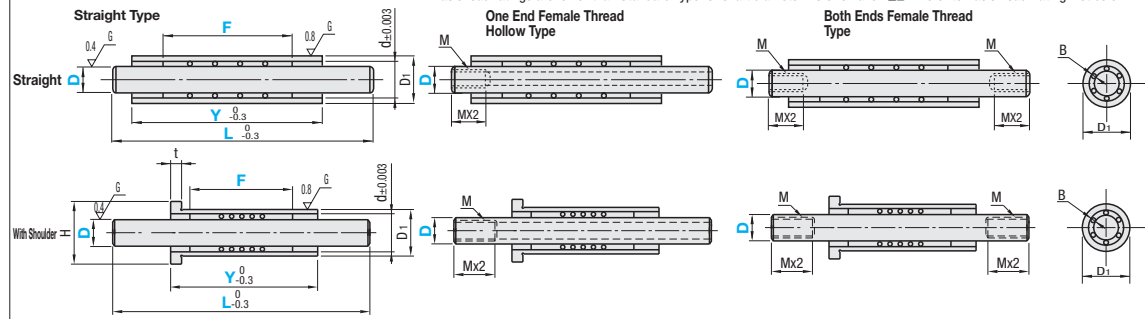
-Compact Type-

 **CAD Data**

Bushing	Type			Material		Hardness		
	Shafts			Shafts Bushing	Steel balls Retainer	Steel balls	Shafts Bushing	Steel balls
	Straight	One End Female Thread Hollow	Both Ends Female Thread					
Straight Type	BYZ	BYA	BYV	1.3505/10006	CW614N/ CuZn39Pb3 (Applicable to RoHS)	1.3505/10006	58HRC-	58HRC-
	SSBYZ	SSBYA	SSBYV	1.4125/10506M17		1.4125/10506M17	56HRC-	56HRC-
With Shoulder Type	BYHZ	BYHA	BYHV	1.3505/10006		1.3505/10006	58HRC-	58HRC-
	SSBYHZ	SSBYHA	SSBYHV	1.4125/10506M17		1.4125/10506M17	56HRC-	56HRC-

■ Features of Compact Type

- The O.D. is 1~2mm smaller compared to the Standard Type using the same diameter shaft, contributing to space savings.
- Basic load ratings are lower than Standard Type for shaft diameter D8 or smaller. Refer to Basic Load Rating List below.



Part Number			D	Shaft Dia. Tol.	L		Y	F	D ₁	T	H	d	M (Coarse Thread)	B	
Type					Straight One End Female Thread Hollow 1mm Increment	Both Ends Female Thread	Selectable	Selectable							
Straight	One End Female Thread	Both Ends Female Thread			(2)	30~50		10 15 20	10 15 20	5	Outer Diameter Tolerance	2.5	7	3.2	-
			(3)	40~70	-			6	0 -0.006	3	8 <td>4.2</td> <td>-</td> <td rowspan="2">0.6</td>	4.2	-	0.6	
			(4)					7			9 <td>5.2</td> <td>-</td>	5.2	-		
BYZ BYHA SSBYZ SSBYHA	BYA SSBYA SSBYH	BYY BYHY SSBYH	5	0 -0.005	40~90	40 50 60 70 80 90			8	0 -0.011	4	10	6.2	M3	1.0
			6				20 30 40	15 20 30	9			11	7.2	M3	
			8						10			13	9.2	M4	
			10				40~150	40 50 60 70 80 90 100	14			16	12	M5	
			12						15			18	14	M6	

Ⓢ Sizes in () are applicable to BYZ, BYHZ, SSBYZ and SSBYHZ only. Ⓢ Ball retainer travels 1/2 the distance of the bushing (or the shaft) stroke. 1/2

 Price	■ Quantity Discount Price (☎Round down to one Cent.) P87 <table> <tr> <th>Quantity</th><th>1~9</th><th>10~14</th><th>15~19</th><th>20~49</th></tr> <tr> <th>Rate</th><td>€ Unit Price</td><td>5%</td><td>10%</td><td>18%</td></tr> </table>	Quantity	1~9	10~14	15~19	20~49	Rate	€ Unit Price	5%	10%	18%
Quantity	1~9	10~14	15~19	20~49							
Rate	€ Unit Price	5%	10%	18%							
	☎For orders larger than indicated quantity, please request a quotation										



Part Number - L - Y - F



8 Days  **Express A** 5,00 EUR/ piece  **P88**

 A Express Charge of 13,50 EUR for 3 or more identical pieces.

[illegible]

Basic Load Rating List		
D	F	Basic Load Rating Co (Static) N
2	10	15.0
	15	24.4
	20	33.7
3	10	16.3
	15	26.5
	20	36.7
4	10	21.1
	15	34.3
	20	47.5
5	10	26.1
	15	42.4
	20	58.7
6	15	43.2
	20	59.8
	30	83.1
8	15	59.0
	20	81.6
	30	113.4
10	20	147.7
	30	221.5
	40	307.7
12	20	187.4
	30	281.1
	40	390.5

D	Y	€ Unit Price																			
		BYA			BYHA			SSBYA			SSBYHA			BYY		BYHY		SSBY		SSBYHY	
		L40-50	L51-100	L101-150	L40-50	L51-100	L101-150	L40-50	L51-100	L101-150	L40-50	L51-100	L101-150	L40 * 50	L60-	L40 * 50	L60-	L40 * 50	L60-	L40 * 50	L60-
5	10																				
	20																				
	30																				
6	20																				
	30																				
	40																				
8	20																				
	30																				
	40																				
10	30																				
	40																				
	50																				
12	30																				
	40																				
	50																				

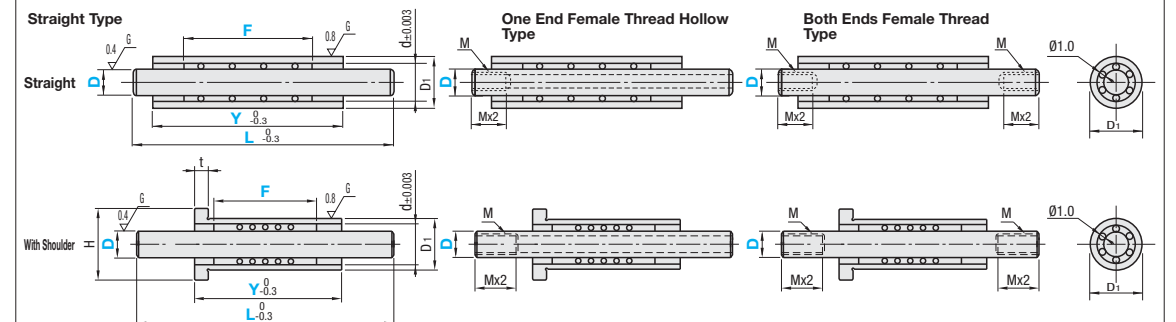
-Standard Type-

 CAD Data

Bushing	Type			Shafts Bushing	M Material		H Hardness	
	Straight	One End Female Thread Hollow	Both Ends Female Thread		Steel balls Retainer	Steel balls	Shafts Bushing	Steel balls
Straight Type	BGZ	BGA	BGY	1.3505/10006	CW614N/CuZn39Pb3 (Applicable to RoHS)	1.3505/10006	58HRC-	58HRC-
	SSBGZ	SSBGA	SSBGY	1.4125X1050CMo17		1.4125X1050CMo17	58HRC-	58HRC-
With Shoulder Type	BGHZ	BGHA	BGHY	1.3505/10006		1.3505/10006	58HRC-	58HRC-
	SSBGHZ	SSBGHA	SSBGHY	1.4125X1050CMo17		1.4125X1050CMo17	58HRC-	58HRC-

■ Features of Miniature Ball Bearing Guide

Motion mechanism utilizing rolling balls, capable of linear and rotary motion.
The bearing balls and the rolling surface are in point contact relationship enabling low friction rolling motion.



Part Number			L						Y	F	D _i		T	H	d	M (Coarse Thread)
Type	D	Shaft Dia. Tol.	Straight One End Female Thread Hollow			Both Ends Female Thread			Selectable	Selectable	Outer Diameter Tolerance					
			1mm Increment			Selectable										
Straight	One End Female Thread Hollow	Both Ends Female Thread	(3)								7		2.5	9	5	-
L Dimension Configurable	L Dimension Selectable		(4)						10 20 30	10 15 20	8	0 -0.006	3	10	6	-
BGZ	BGA	BGY	5	0					40 50 60 70 80 90		10			12	7	M3
BGHZ	BGHA	BGHY	6	-0.005							11			13	8	M3
SSBGZ	SSBGA	SSBGY	8							15 20 30	12			14	10	M4
SSBGHZ	SSBGHA	SSBGHY	10								16	0 -0.011	4	18	12	M5
			12						30 40 50	20 30 40	18			20	14	M6

Ⓢ Sizes in () are applicable to BGZ, BGHZ, SSBGZ and SSBGHZ only. Ⓢ Ball retainer travels 1/2 the distance of the bushing (or the shaft) stroke. 1/2

 Price	Quantity Discount Price (Round down to one Cent.) P87			
Quantity	1~9	10~14	15~19	20~49
Rate	€ Unit Price	5%	10%	18%



Part Number - L - Y - F



8 Days  **Express A** **5,00 EUR/**
piece  **P.88**

 **A** Express Charge of 13,50 EUR for 3 or more identical pieces.

[illegible]

Basic Load Rating List		
D	F	Basic Load Rating Co (Static) N
3	10	30.4
	15	50.7
	20	71
4	10	40.4
	15	67.3
	20	87.5
5	10	50.7
	15	84.5
	20	109.9
6	15	101.5
	20	113.2
	30	182.9
8	15	105.1
	20	126.1
	30	189.2
10	20	147.7
	30	221.5
	40	307.7
12	20	187.4
	30	281.1
	40	390.5

[illegible]