

V Guide

90° Type Units / Wheels

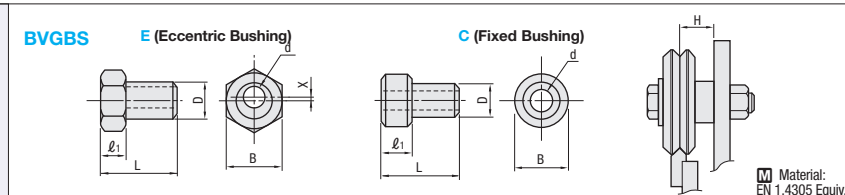
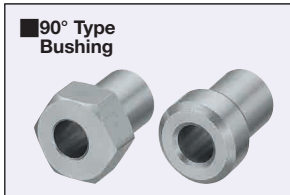


Type	Material	Hardness	Seal	Heat Resistance Temperature
BVGH	EN 1.3505 Equiv.	60-62HRC	Metal Shield	0-100°C
BVGH S	EN 1.4125 Equiv.	58-60HRC	Nitrile Rubber	0-100°C
BVGH T	EN 1.4125 Equiv.	58-60HRC	Metal Shield	-30-260°C

*For BVGHS No.2 / No.3, the materials are changed to Nitrile Rubber Metal Shield.

Part Number	Type	No.	A	B	d	D	MDW	(G)*	(H)*	K	Radial Load (LRmax.) (N)	Thrust Load (LSmax.) (N)	Unit Price
BVGH	1	1	19.557	7.874	4.762	15.848	7.924	11.861	1.0	0.5	1220	252	
		2	30.733	11.099	9.525	25.399	12.700	18.236	1.4	0.7	2650	625	
		3	45.718	15.874	11.999	38.099	19.049	26.974	2.0	1.0	5900	1701	
BVGHS	1	1	19.557	7.874	4.762	15.848	7.924	11.861	1.0	0.5	1220	252	
		2	30.733	11.099	9.525	25.399	12.700	18.236	1.4	0.7	2650	625	
		3	45.718	15.874	11.999	38.099	19.049	26.974	2.0	1.0	5900	1701	
BVGHT	1	1	19.557	7.874	4.762	15.848	7.924	11.861	0.508	0.254	1013	209	
		2	30.733	11.099	9.525	25.399	12.700	18.236	0.762	0.381	2200	519	
		3	45.718	15.874	11.999	38.099	19.049	26.974	0.889	0.432	4897	1412	

kgf=Nx0.101972



Part Number	Type	No.	Spec.	L	D	B	d	Tolerance	Applicable Screw	X	l1	H	Unit Price
BVGBS	1	1	C	13.68	4.75	10	3	+0.014 0	M3	-	6.06	10	
		2	C	17.24	9.52	13	6	+0.018 0	M6	0.3	6.45	12	
		3	C	24.68	11.99	19	8	+0.022 0	M8	0.6	9.06	17	

Ordering Example: Part Number - Spec. BVGBS1 - E



Type	Mounting Hole	Material	Hardness
BVGTNL	Available	EN 1.0511 Equiv.	53HRC (90° Edge)
BVGTNSL	Available	EN 1.4125 Equiv.	40HRC (90° Edge)

Part Number	Type	No.	L 50mm Increment	E	F	G	J	MD	D	B1	N	P
BVGTNL	1	1	90-1790	±0.38	±0.38	±0.05	1.57	3.18	3.5	4	20	50
		2	11.10	4.75	0.79	2.36	4.75	4.5	5.5	8		
		3	15.88	6.35	0.79	2.77	6.35	5.5	8			

Ordering Example: Part Number - L BVGTNL1 - 640

Alteration Code	Surface Treatment
Spec.	Electroless nickel plating is applied. *Not available for Stainless Steel Type.

Alterations: Part Number - (MTC)L BVGTNL1 - MTC740
 *Only applicable to Single Sided Track Type BVGTNL.

V Guide Systems

90° Type Bushings / Single Sided Tracks / Double Sided Tracks



Type	Material	Surface Treatment	Hardness
BVGUR	EN 1.1191 Equiv.	Black Oxide	58HRC (90° Edge)
BVGURS	EN 1.4125 Equiv.	-	52HRC (90° Edge)

W1 is the dimension at the intersection of 90°. (Both ends are R machined).
 *Number of Holes = $\frac{L-40}{50} + 1$

Part Number	Type	No.	L 50mm Increment	(W)	W1	T	N	P	d	Unit Price
BVGUR	25	1	90-1740	(25)	25.74	4.5	20	50	5.5	
		44	(44)	44.74	6.0			7.0		

Ordering Example: Part Number - L BVGUR25 - 90

L (Selection)	BVGUR25	BVGUR25	BVGUR44	BVGUR44
90, 140				
190, 240				
290, 340				
390, 440				
490, 540				
590, 640				
690, 740				
790, 840				
890, 940				
990, 1040				
1090, 1140				
1190, 1240				
1290, 1340				
1390, 1440				
1490, 1540				
1590, 1640				
1690, 1740				



Type	Material	Surface Treatment	Hardness
1 - Carriage	BVGU	Carriage	Plate: EN AW-5052 Equiv. Black Anodize
2 - Carriage	BV2GU	Rail	BVGUR(P652)

A carriage and a rail come as a set.
 W1 is the dimension at the intersection of 90°. (Both ends are R machined).
 *Number of Holes = $\frac{L-40}{50} + 1$

Part Number	Type	No.	L 50mm Increment	W	W1	d	A	B	X1	X2	Y1	Y2	d1	d2	E	F	H	T	Wheel	Bushing	Screw	
BVGU	25	1	90-1740	25	25.74	5.5	80	70	70	40	50	41.59	M5	M3	10	10	17.5	4.5	BVGH1	BVGBS1-C	BVGBS1-E	CB3-22
		44	(44)	44.74	7	120	105	100	80	80	70.14	M6	M6	10	12	24.5	6		BVGH2	BVGBS2-C	BVGBS2-E	CB6-25

A, X1 and X2 of No. 25L are larger than those of No. 25.

Ordering Example: Part Number - L BVGU25 - 840

L (Selection)	BVGU25	BV2GU25	BVGU25L	BV2GU25L	BVGU44	BV2GU44
90						
140						
190, 240						
290, 340						
390, 440						
490, 540						
590, 640						
690, 740						
790, 840						
890, 940						
990, 1040						
1090, 1140						
1190, 1240						
1290, 1340						
1390, 1440						
1490, 1540						
1590, 1640						
1690, 1740						