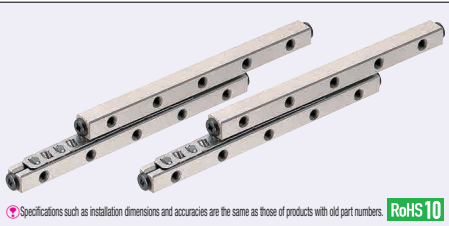


Cross Roller Guides

1000/2000/3000 Series

Part numbers have been changed since the 2010 catalog. Significant 20% price reduction (compared to '09 products).



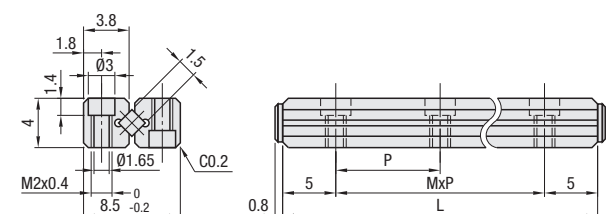
Specifications such as installation dimensions and accuracies are the same as those of products with old part numbers. **RoHS10**

Type	Material	Hardness	Heat Resistant Temperature
CRV	EN 1.3505 Equiv.	60HRC~	-20~110°C
CRVS	EN 1.4125 Equiv.	58HRC~	-20~140°C

1 Set: Track Rail 4 pcs.
Cage 2 pcs.

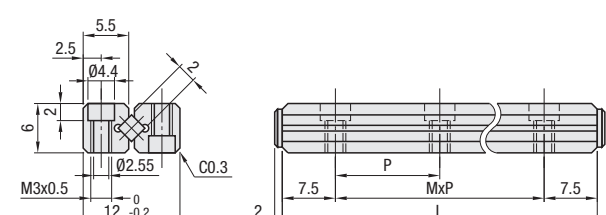
Part Number Conversion	
Old Part Number	New Part Number
SV	CRV
SVS	CRVS

1000 Series



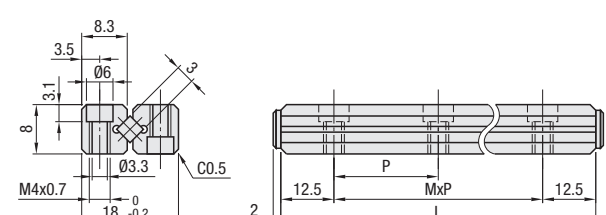
Dimensions: 3.8, 1.8, 0.3, 1.4, 4, 0.5, 0.2, 0.8, 5, P, MxP, L, 5, 0.8, 1.65, C0.2, 8.5, 0, -0.2, M2x0.4

2000 Series



Dimensions: 5.5, 2.5, 0.4, 2, 6, 0.3, 0.2, 2, 7.5, P, MxP, L, 7.5, 2, 2.55, C0.3, 12, 0, -0.2, M3x0.5

3000 Series



Dimensions: 8.3, 3.5, 0.6, 3.1, 8, 0.5, 0.2, 2, 12.5, P, MxP, L, 12.5, 2, 3.3, C0.5, 18, 0, -0.2, M4x0.7

For orders larger than indicated quantity, please request a quotation.

Series	Part Number		Stroke (Reciprocating Motion)	L	MxP	Number of Rollers per Roller Cage	Basic Load Rating		CRV		CRVS	
	Type	No.					C (Dynamic) N	Co (Static) N	Unit Price 1 ~ 9 set(s)	Volume Discount Rate 10 sets ~	Unit Price 1 ~ 9 set(s)	Volume Discount Rate 10 sets ~
1000	CRV	1020	12	20	1x10	5	465	478				
		1030	20	30	2x10	7	643	717				
		1040	27	40	3x10	10	962	1195				
2000	CRVS (Stainless Steel)	2030	18	30	1x15	5	1101	1174				
		2045	24	45	2x15	8	1908	2348				
		2060	30	60	3x15	11	2274	2935				
3050		28	50	1x25	7	3617	4062					
3000		3075	48	75	2x25	10	5409	6770				

kgf=Nx0.101972

Ordering Example
Part Number
CRV3050

Handle with Care

Cross Roller Guides are vulnerable to impacts. Dropping it or applying extra force will impair its sliding performance. Please handle it with utmost care.

Ball Slide Guides

Counterbored Holes / Tapped Holes

Counterbored Holes



RoHS10

Tapped Holes



RoHS10

Type			Material		Hardness
Counterbored Hole	With Dowel Holes Counterbored Hole	Tapped Hole	Main Body Rails	Retainer	Main Body Rails
BSG	BSGP	BSGM	Stainless Steel	EN 1.4301 Equiv.	56HRC~

Heat Resistant Temperature: -20 ~ 80°C

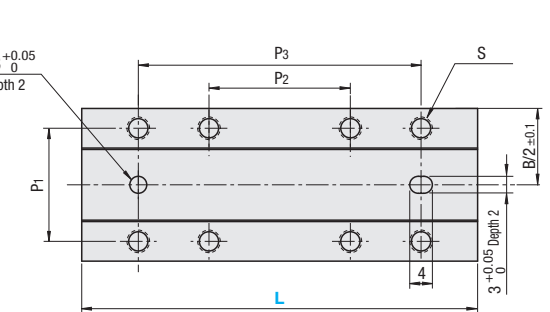
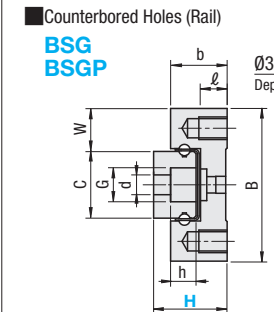
Included Rail Mounting Screws

- H6 Counterbored Type comes with class 1 slotted button head screws (M2x6).
- H8 Counterbored Type comes with cap screws (M2x6).

Filled with Lithium soap based grease (Multemp Grease PS2 by Kyodo Yushi Co., Ltd.).

Counterbored Holes (Rail)

BSG
BSGP



Dimensions: b, l, Ø3^{+0.05}/₀ Depth 2, P₃, S, P₂, P₁, W, C, G, U, B, h, H, L, 4, 3^{+0.05}/₀ Depth 2, B/2±0.1

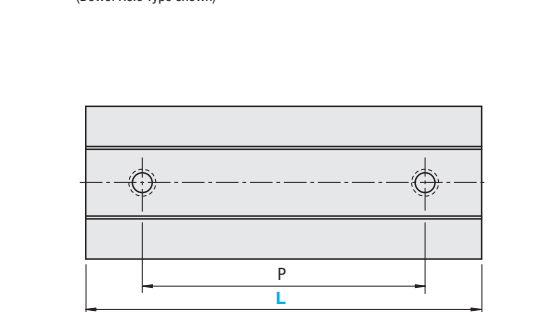
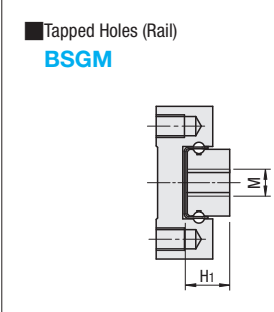
(Dowel Hole Type shown)

H6 and H8 tables do not have a groove.

(The rail shown in this diagram is the counterbored type.)

Tapped Holes (Rail)

BSGM



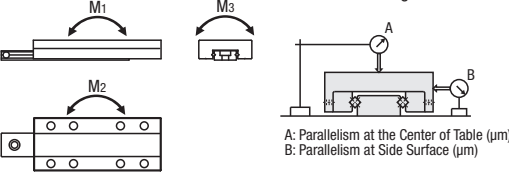
Dimensions: M, H₁, P, L

Part Number	Selection L	Max. Stroke (Reciprocating Motion)	W	Block Dimension								Guide Rail Dimension					Basic Load Rating			Allowable Static Moment			Mass (g)	Precision		
				B	P ₁	P ₂	P ₃	S	ℓ	b	C	H ₁	dxGxh	M	P	C (Dynamic) N	Co (Static) N	M ₁ N·m	M ₂ N·m	M ₃ N·m	Deflection A	Deflection B				
Type	H																									
Counterbored Holes BSG	6	25	14	3.55	12	8	15	-	M2	1.5	4.5	4.9	4	2.4x3.5x1	M2.6	15	390	847	1.5	1.5	2.2	10	4	6		
		40	19				15	30								30	603	1573	2.9	2.9	4.2	16				
With Dowel Holes Counterbored Hole BSGP	8	25	14	5.1	17	12	15	-	M2.5	3	6.5	6.8	4.7	2.4x4.2x2.3	M3	15	628	1270	2.5	2.5	4.6	20				
		40	20				15	30								30	962	2329	5.1	5.1	8.5	33				
Tapped Holes BSGM	10	*35	22	5.55	20	15	20	-	M3	3.5	7.8	8.9	5.5	3.5x6x3.5	M4	20	1038	2016	5.4	5.4	9.5	40				
		*55	28				20	40								40	1886	4032	11.1	11.1	19.0	65	5	8		
	13	*45	26	7.6	27	20	25	-	M4	5	10	11.8	7.5	3.5x6x4.5	M4	25	1627	3334	10.6	10.6	20.7	93	4	6		
		*70	36				25	50								50	2519	6192	20.0	20.0	38.4	146	5	8		

Only * marked sizes are available for Dowel Hole Type.

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Ordering Example
Part Number - L
BSG8 - 40



Handle with Care

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H	Selection L	Unit Price Stainless Steel		
		BSG	BSGM	BSGP
6	25			-
	40			-
8	25			-
	40			-
10	35			
	55			
13	45			
	70			