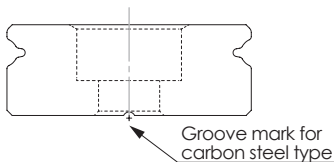


MR Miniature Linear Guide Carbon Steel series

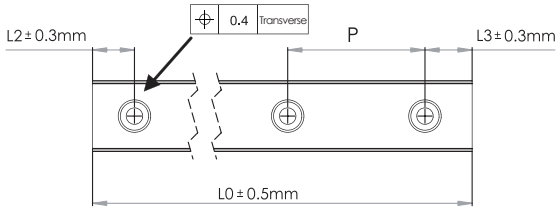
Characteristic

1. Providing rail length to 3m.
2. Hardness of the ball runner rail surface : HRC 58 ~ 63
Hardness of the centre : About HRC 28
3. Using on the industrial machineries in normal environment
4. Sizes are exactly the same as Stainless steel products
5. More competitive prices
6. Precision class available for N, H, and P Grade.
7. Product spec, precision class, and other technical information are the same as MR stainless series, please refer to **cpc** MR Miniature Linear Guide Series Catalog.



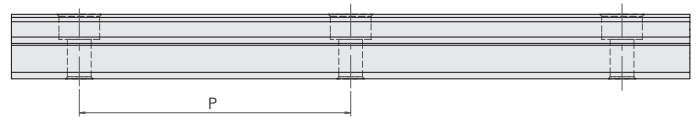
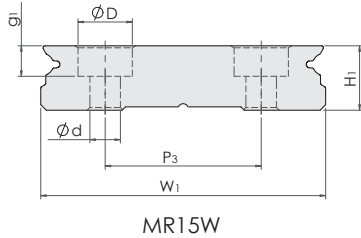
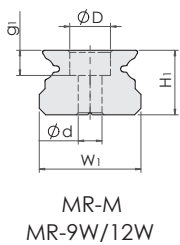
Model Code														
MR	U	15	M	N	K	EE	2	V1	P	-310L	-15	-15	II	J
													Customization code	
													Number of rails on the same moving axis	
													End hole pitch (mm)	
													Starting hole pitch (mm)	
													Rail length (mm)	
													Accuracy Grades: P(Precision) \ H(High) \ N(Normal)	
													Preload classes : V0 : Clearance VS : Standard V1 : Light Preload	
													Block quantity : Quantity of the runner block	
													SS: With End Seal ZZ: End seal + Lubrication Storage UZ: End seal + Reinforcement Plate + Stainless Bottom Seal + Lubrication Storage EE: End seal + Reinforcement Plate EU: End seal + Reinforcement Plate + Stainless Bottom Seal SUE: End seal + Bottom Seal + Reinforcement Plate ZUE: End seal + Bottom Seal + Reinforcement Plate + Lubrication Storage SU: End seal + Bottom Seal ZU: End seal + Bottom Seal + Lubrication Storage EZ: End seal + Reinforcement Plate + Lubrication Storage	
													Rail material : No Mark : Stainless standard steel K : Carbon steel (Now available: size 9, 12, and 15.)	
													Block type : L : Long N : Standard	
													Rail type : M : Standard W : Wide	
													Rail dimension : The width of rail ex. : 9 \ 12 \ 15	
													Special Rail U : Tapped Rail No Mark : Standard Rail	
Product Type: MR: Miniature Linear Guide														

MR Miniature Linear Guide Carbon Steel series



	Standard			Wide		
Suggestion length of one rail	9M	12M	15M	9W	12W	15W
Pitch(mm)	20	25	40	30	40	40
L2, L3 min	4	4	4	4	4	4
L2, L3 max	20	20	35	25	35	35
Lmax L0 (mm)	3000	3000	3000	3000	3000	3000

Standard Rail



Standard MR-M series Rail

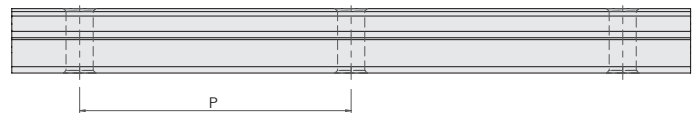
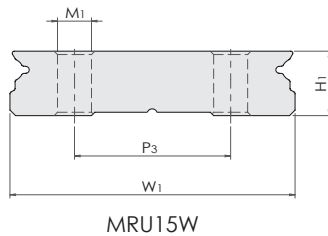
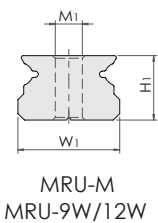
Model Code	Rail Dimensions(mm)				Weight(g/m)
	H ₁	W ₁	P	Dxdxg ₁	
MR 15M	9.5	15	40	6x3.5x4.5	930
MR 12M	7.5	12	25	6x3.5x4.5	602
MR 9M	5.5	9	20	6x3.5x3.5	301

Wide MR-W series Rail

Model Code	Rail Dimensions(mm)					Weight(g/m)
	H ₁	W ₁	P	P ₃	Dxdxg ₁	
* MR 15W	9.5	42	40	23	8x4.5x4.5	2818
MR 12W	8.5	24	40	-	8x4.5x4.5	1472
MR 9W	7.3	18	30	-	6x3.5x4.5	940

* Anticipated

Tapped Rail



Standard MRU-M series - Tapped from bottom

Model Code	Rail Dimensions(mm)				Weight(g/m)
	H ₁	W ₁	P	M ₁	
MRU 15M	9.5	15	40	M4x0.7	930
MRU 12M	7.5	12	25	M4x0.7	602
MRU 9M	5.5	9	20	M4x0.7	301

Wide MRU-W series - Tapped from bottom

Model Code	Rail Dimensions(mm)					Weight(g/m)
	H ₁	W ₁	P	P ₃	M ₁	
* MRU 15W	9.5	42	40	23	M5x0.8	2818
MRU 12W	8.5	24	40	-	M5x0.8	1472
MRU 9W	7.3	18	30	-	M4x0.7	940

* Anticipated