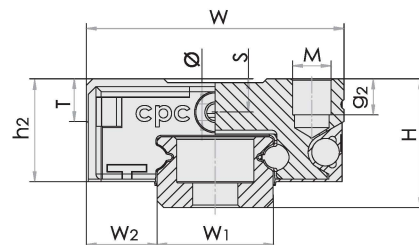


5. Dimensions and Specifications

5.1 MR-M SU Series ( End seal , Bottom Seal )

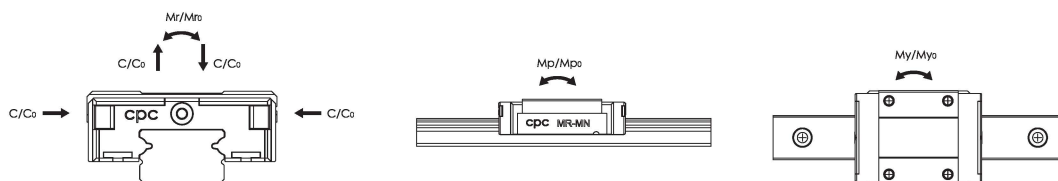
MR-M ZU Series ( End seal , Bottom Seal , Lubrication Storage )



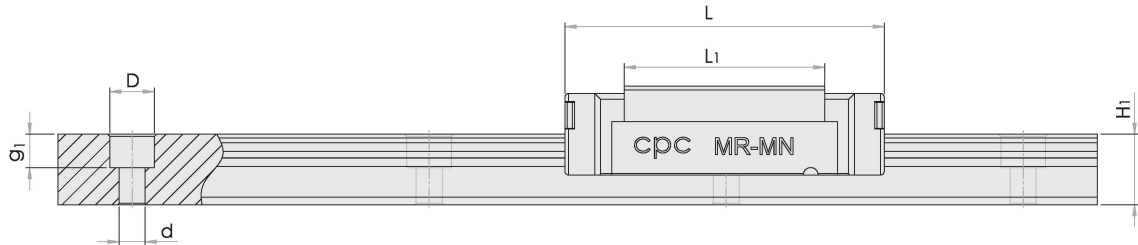
Model Code	Fabricate Dimensions		Rail Dimension(mm)				Block Dimension(mm)					
	H	W2	W1	H1	P	Dxdxg1	W	L	L1	h2	P1	P2
MR 15ML SU/ZU	16	8.5	15	9.5	40	6x3.5x4.5	32	60	44	12.3	25	25
MR 15MN SU/ZU	16	8.5	15	9.5	40	6x3.5x4.5	32	43	27	12.3	20	25
MR 12ML SU/ZU	13	7.5	12	7.5	25	6x3.5x4.5	27	47.6	34	10.2	20	20
MR 12MN SU/ZU	13	7.5	12	7.5	25	6x3.5x4.5	27	35.4	22	10.2	15	20
MR 9ML SU/ZU	10	5.5	9	5.5	20	6x3.5x3.5	20	40.9	30.8	8	16	15
MR 9MN SU/ZU	10	5.5	9	5.5	20	6x3.5x3.5	20	30.6	20.5	8	10	15
MR 7ML SU/ZU	8	5	7	4.7	15	4.2x2.4x2.3	17	31.2	21.8	6.7	13	12
MR 7MN SU/ZU	8	5	7	4.7	15	4.2x2.4x2.3	17	23.7	14.3	6.7	8	12
MR 5ML SU/ZU	6	3.5	5	3.5	15	3.5x2.4x1	12	19.6	13.5	4.6	7	-
MR 5MN SU/ZU	6	3.5	5	3.5	15	3.5x2.4x1	12	16	10	4.6	-	8
* MRU 3ML SU/ZU	4	2.5	3	2.6	10	M1.6	8	16	11	3.1	5.5	-
* MRU 3MN SU/ZU	4	2.5	3	2.6	10	M1.6	8	11.7	6.7	3.1	3.5	-

\* Anticipated

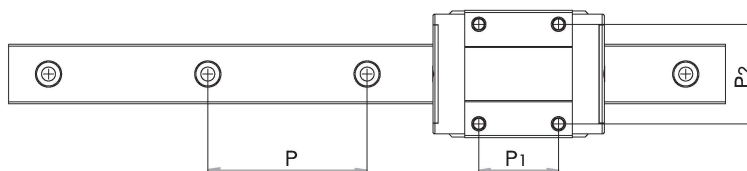
Load capacities are calculated according to ISO 14728. To compare the rating life definition and the load capacities:  $C_{508} = 1.26 \times C_{1008}$



MINIATURE LINEAR GUIDE SERIES



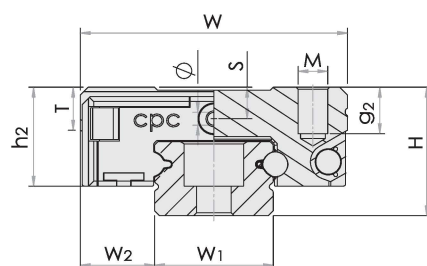
Block Dimension(mm)				Load Capacities(N)		Static Moment(Nm)			Weight		Model Code
Mxg2	∅	S	T	C <sub>100B</sub> (dyn)	C <sub>0</sub> (stat)	M <sub>r0</sub>	M <sub>p0</sub>	M <sub>y0</sub>	Block(g)	Rail(g/m)	
M3x5.5	1.8	3.3	4.3	5350	9080	70	63.3	63.3	90	930	MR 15ML SU/ZU
M3x5.5	1.8	3.3	4.3	3810	5590	43.6	27	27	61	930	MR 15MN SU/ZU
M3x3.5	1.3	3.2	4.3	3240	5630	34.9	30.2	30.2	51	602	MR 12ML SU/ZU
M3x3.5	1.3	3.2	4.3	2308	3465	21.5	12.9	12.9	34	602	MR 12MN SU/ZU
M3x3.0	1.3	2.2	3.3	2135	3880	18.2	12.4	12.4	28	301	MR 9ML SU/ZU
M3x3.0	1.3	2.2	3.3	1570	2495	11.7	6.4	6.4	18	301	MR 9MN SU/ZU
M2x2.5	1.1	1.6	2.8	1310	2440	9	7.7	7.7	14	215	MR 7ML SU/ZU
M2x2.5	1.1	1.6	2.8	890	1440	5.2	3.3	3.3	8	215	MR 7MN SU/ZU
M2.6x2.0	0.7	1.3	2	470	900	2.4	2.1	2.1	4	116	MR 5ML SU/ZU
M2x1.5	0.7	1.3	2	335	550	1.7	1	1	3.5	116	MR 5MN SU/ZU
M2x1.1	0.3	0.7	1.5	295	575	0.9	1.1	1.1	1.2	53	MRU 3ML SU/ZU
M1.6x1.1	0.3	0.7	1.5	190	310	0.6	0.4	0.4	0.9	53	MRU 3MN SU/ZU



## 5. Dimensions and Specifications

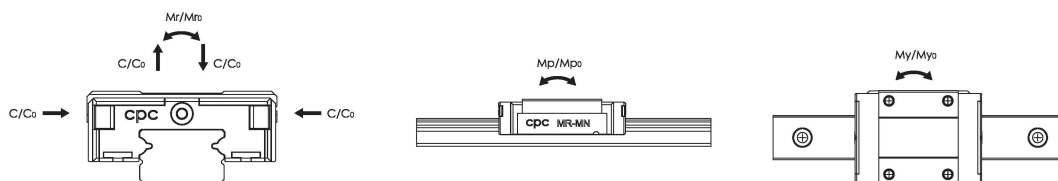
### 5.2 MR-M SS Series (End seal)

MR-M ZZ Series ( End seal , Lubrication Storage)

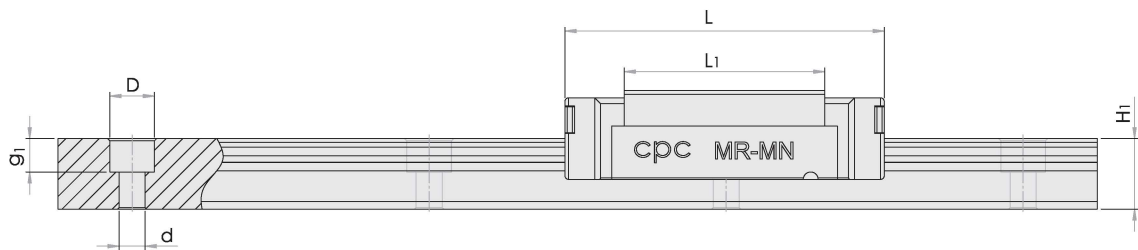


Model Code	Fabricate Dimensions		Rail Dimension(mm)				Block Dimension(mm)					
	H	W <sub>2</sub>	W <sub>1</sub>	H <sub>1</sub>	P	D x d x g <sub>1</sub>	W	L	L <sub>1</sub>	h <sub>2</sub>	P <sub>1</sub>	P <sub>2</sub>
MR 15ML SS/ZZ	16	8.5	15	9.5	40	6x3.5x4.5	32	60.1	44	12	25	25
MR 15MN SS/ZZ	16	8.5	15	9.5	40	6x3.5x4.5	32	43.1	27	12	20	25
MR 12ML SS/ZZ	13	7.5	12	7.5	25	6x3.5x4.5	27	47.6	34.1	10	20	20
MR 12MN SS/ZZ	13	7.5	12	7.5	25	6x3.5x4.5	27	35.4	22	10	15	20
MR 9ML SS/ZZ	10	5.5	9	5.5	20	6x3.5x3.5	20	41	30.8	7.8	16	15
MR 9MN SS/ZZ	10	5.5	9	5.5	20	6x3.5x3.5	20	30.8	20.5	7.8	10	15
MR 7ML SS/ZZ	8	5	7	4.7	15	4.2x2.4x2.3	17	31.5	21.8	6.5	13	12
MR 7MN SS/ZZ	8	5	7	4.7	15	4.2x2.4x2.3	17	24	14.3	6.5	8	12
MR 5ML SS/ZZ	6	3.5	5	3.5	15	3.5x2.4x1	12	19.6	13.5	4.5	7	-
MR 5MN SS/ZZ	6	3.5	5	3.5	15	3.5x2.4x1	12	16	10	4.5	-	8
MRU 3ML SS	4	2.5	3	2.6	10	M1.6	8	16	11	3	5.5	-
MRU 3MN SS	4	2.5	3	2.6	10	M1.6	8	11.7	6.8	3	3.5	-

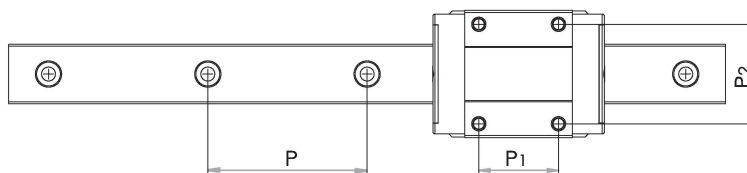
Load capacities are calculated according to ISO 14728. To compare the rating life definition and the load capacities:  $C_{508} = 1.26 \times C_{1008}$



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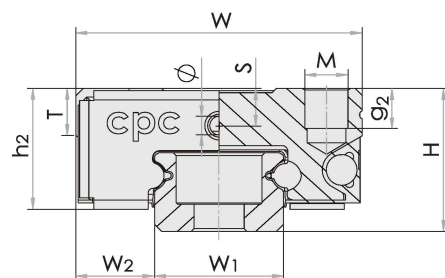
Block Dimension(mm)				Load Capacities(N)		Static Moment(Nm)			Weight		Model Code
Mxg2	∅	S	T	C <sub>100B</sub> (dyn)	C <sub>0</sub> (stat)	M <sub>r0</sub>	M <sub>p0</sub>	M <sub>y0</sub>	Block(g)	Rail(g/m)	
M3x5.5	1.9	3.3	4.3	5350	9080	70	63.3	63.3	90	930	MR 15ML SS/ZZ
M3x5.5	1.9	3.3	4.3	3810	5590	43.6	27	27	61	930	MR 15MN SS/ZZ
M3x3.5	1.4	3.2	4.3	3240	5630	34.9	30.2	30.2	51	602	MR 12ML SS/ZZ
M3x3.5	1.4	3.2	4.3	2308	3465	21.5	12.9	12.9	34	602	MR 12MN SS/ZZ
M3x3.0	1.3	2.2	3.3	2135	3880	18.2	12.4	12.4	28	301	MR 9ML SS/ZZ
M3x3.0	1.3	2.2	3.3	1570	2495	11.7	6.4	6.4	18	301	MR 9MN SS/ZZ
M2x2.5	1.2	1.6	2.8	1310	2440	9	7.7	7.7	14	215	MR 7ML SS/ZZ
M2x2.5	1.2	1.6	2.8	890	1440	5.2	3.3	3.3	8	215	MR 7MN SS/ZZ
M2.6x2.0	0.7	1.3	2	470	900	2.4	2.1	2.1	4	116	MR 5ML SS/ZZ
M2x1.5	0.7	1.3	2	335	550	1.7	1	1	3.5	116	MR 5MN SS/ZZ
M2x1.1	0.3	0.7	1.5	295	575	0.9	1.1	1.1	1.2	53	MRU 3ML SS
M1.6x1.1	0.3	0.7	1.5	190	310	0.6	0.4	0.4	0.9	53	MRU 3MN SS



5. Dimensions and Specifications

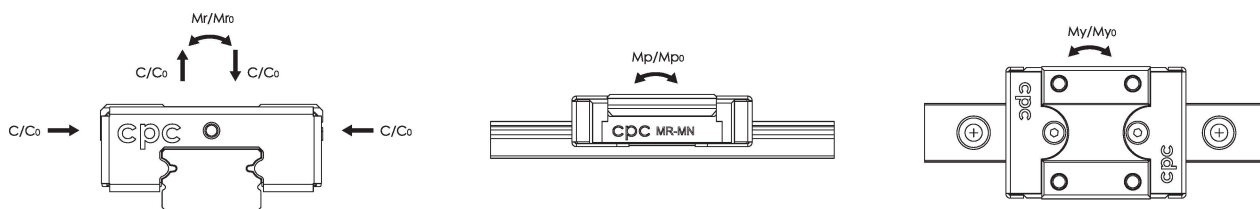
5.3 MR-M SUE Series ( End seal, Bottom Seal, Reinforcement Plate )

MR-M ZUE Series ( End seal, Bottom Seal , Reinforcement Plate , Lubrication Storage )

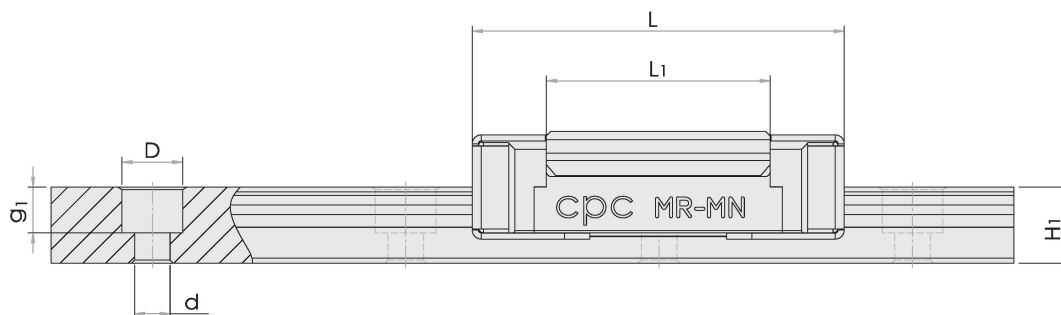


Model Code	Fabricate Dimensions		Rail Dimension(mm)				Block Dimension(mm)					
	H	W2	W1	H1	P	Dxdxg1	W	L	L1	h2	P1	P2
MR 15ML SUE/ZUE	16	8.5	15	9.5	40	6x3.5x4.5	32	61.6	44	13.1	25	25
MR 15MN SUE/ZUE	16	8.5	15	9.5	40	6x3.5x4.5	32	44.6	27	13.1	20	25
MR 12ML SUE/ZUE	13	7.5	12	7.5	25	6x3.5x4.5	27	49	34	10.9	20	20
MR 12MN SUE/ZUE	13	7.5	12	7.5	25	6x3.5x4.5	27	36.8	22	10.9	15	20
MR 9ML SUE/ZUE	10	5.5	9	5.5	20	6x3.5x3.5	20	41.9	30.8	8.5	16	15
MR 9MN SUE/ZUE	10	5.5	9	5.5	20	6x3.5x3.5	20	31.6	20.5	8.5	10	15
MR 5ML SUE/ZUE	6	3.5	5	3.5	15	3.5x2.4x1	12	20.2	13.5	5.0	7	-
MR 5MN SUE/ZUE	6	3.5	5	3.5	15	3.5x2.4x1	12	16.6	10	5.0	-	8

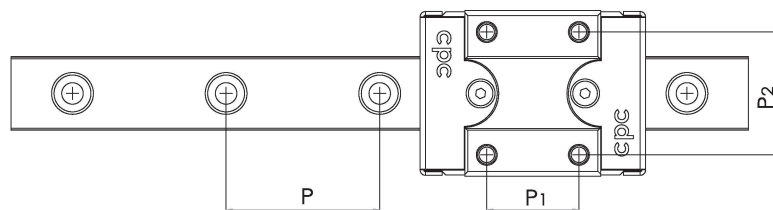
Load capacities are calculated according to ISO 14728. To compare the rating life definition and the load capacities:  $C_{508} = 1.26 \times C_{1008}$



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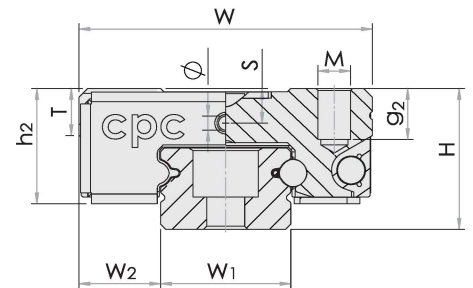
Block Dimension(mm)				Load Capacities(N)		Static Moment(Nm)			Weight		Model Code
Mxg2	Ø	S	T	C <sub>1008</sub> (dyn)	C <sub>0</sub> (stat)	M <sub>ro</sub>	M <sub>po</sub>	M <sub>yo</sub>	Block(g)	Rail(g/m)	
M3x5.5	1.8	3.3	4.3	5350	9080	70	63.3	63.3	90	930	MR 15ML SUE/ZUE
M3x5.5	1.8	3.3	4.3	3810	5590	43.6	27	27	61	930	MR 15MN SUE/ZUE
M3x3.5	1.3	3.2	4.3	3240	5630	34.9	30.2	30.2	51	602	MR 12ML SUE/ZUE
M3x3.5	1.3	3.2	4.3	2308	3465	21.5	12.9	12.9	34	602	MR 12MN SUE/ZUE
M3x3.0	1.3	2.2	3.3	2135	3880	18.2	12.4	12.4	28	301	MR 9ML SUE/ZUE
M3x3.0	1.3	2.2	3.3	1570	2495	11.7	6.4	6.4	18	301	MR 9MN SUE/ZUE
M2.6x2.0	0.7	1.3	2	470	900	2.4	2.1	2.1	4	116	MR 5ML SUE/ZUE
M2x1.5	0.7	1.3	2	335	550	1.7	1	1	3.5	116	MR 5MN SUE/ZUE



5. Dimensions and Specifications

5.4 MR-M EE Series ( End seal, Reinforcement Plate )

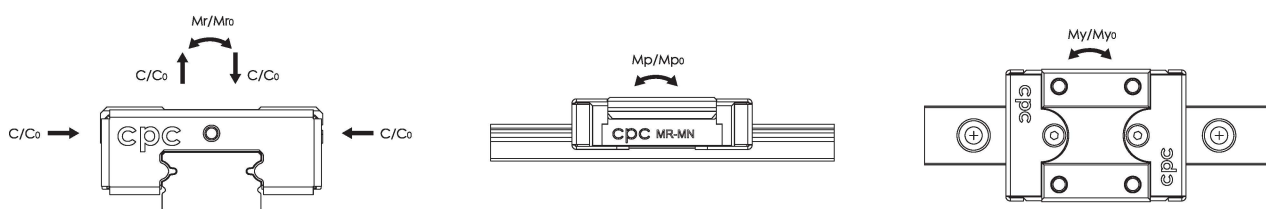
MR-M EZ Series ( End seal , Reinforcement Plate , Lubrication Storage )



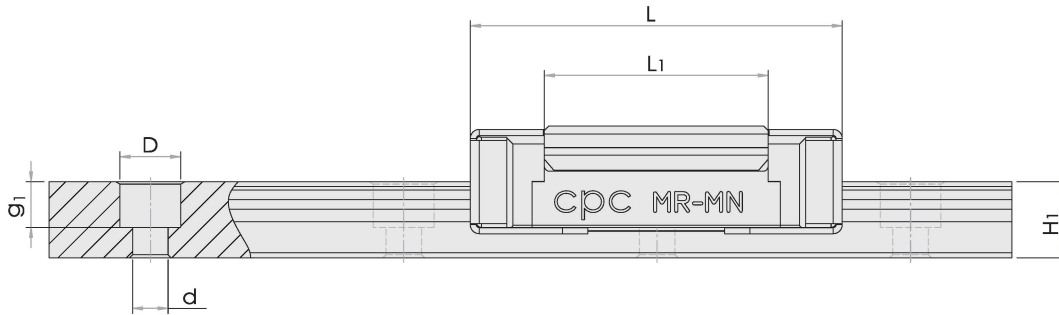
Model Code	Fabricate Dimensions		Rail Dimension(mm)				Block Dimension(mm)					
	H	W2	W1	H1	P	Dxdxg1	W	L	L1	h2	P1	P2
MR 15ML EE/EZ	16	8.5	15	9.5	40	6x3.5x4.5	32	61.6	44	12.8	25	25
MR 15MN EE/EZ	16	8.5	15	9.5	40	6x3.5x4.5	32	44.6	27	12.8	20	25
MR 12ML EE/EZ	13	7.5	12	7.5	25	6x3.5x4.5	27	49	34	10.7	20	20
MR 12MN EE/EZ	13	7.5	12	7.5	25	6x3.5x4.5	27	36.8	22	10.7	15	20
MR 9ML EE/EZ	10	5.5	9	5.5	20	6x3.5x3.5	20	41.9	30.8	8.3	16	15
MR 9MN EE/EZ	10	5.5	9	5.5	20	6x3.5x3.5	20	31.6	20.5	8.3	10	15
* MR 5ML EE/EZ	6	3.5	5	3.5	15	3.5x2.4x1	12	20.2	13.5	4.9	7	-
MR 5MN EE/EZ	6	3.5	5	3.5	15	3.5x2.4x1	12	16.6	10	4.9	-	8

\* Anticipated

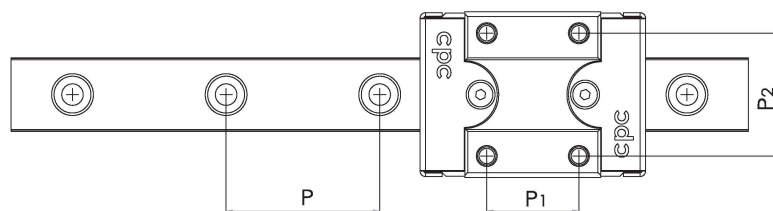
Load capacities are calculated according to ISO 14728. To compare the rating life definition and the load capacities:  $C_{508} = 1.26 \times C_{1008}$



MINIATURE LINEAR GUIDE SERIES



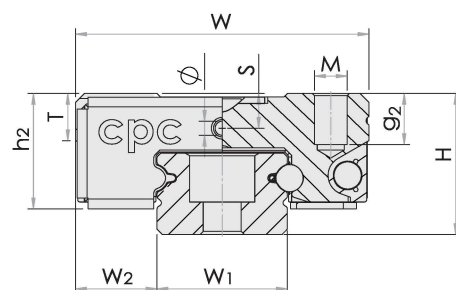
Block Dimension(mm)				Load Capacities(N)		Static Moment(Nm)			Weight		Model Code
Mxg2	∅	S	T	C <sub>100B</sub> (dyn)	C <sub>0</sub> (stat)	M <sub>r0</sub>	M <sub>p0</sub>	M <sub>y0</sub>	Block(g)	Rail(g/m)	
M3x5.5	1.8	3.3	4.3	5350	9080	70	63.3	63.3	90	930	MR 15ML EE/EZ
M3x5.5	1.8	3.3	4.3	3810	5590	43.6	27	27	61	930	MR 15MN EE/EZ
M3x3.5	1.3	3.2	4.3	3240	5630	34.9	30.2	30.2	51	602	MR 12ML EE/EZ
M3x3.5	1.3	3.2	4.3	2308	3465	21.5	12.9	12.9	34	602	MR 12MN EE/EZ
M3x3.0	1.3	2.2	3.3	2135	3880	18.2	12.4	12.4	28	301	MR 9ML EE/EZ
M3x3.0	1.3	2.2	3.3	1570	2495	11.7	6.4	6.4	18	301	MR 9MN EE/EZ
M2.6x2.0	0.7	1.3	2	470	900	2.4	2.1	2.1	4	116	MR 5ML EE/EZ
M2x1.5	0.7	1.3	2	335	550	1.7	1	1	3.5	116	MR 5MN EE/EZ





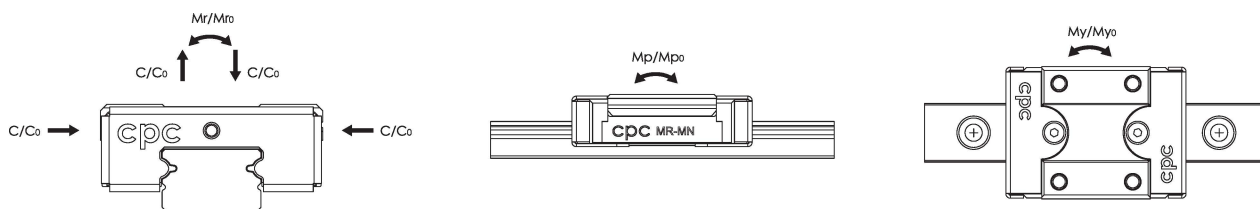
5. Dimensions and Specifications

5.5 MR-M EU Series ( End seal , Reinforcement Plate , Stainless Bottom Seal )  
MR-M UZ Series ( End seal , Reinforcement Plate , Stainless Bottom Seal ,  
Lubrication Storage )

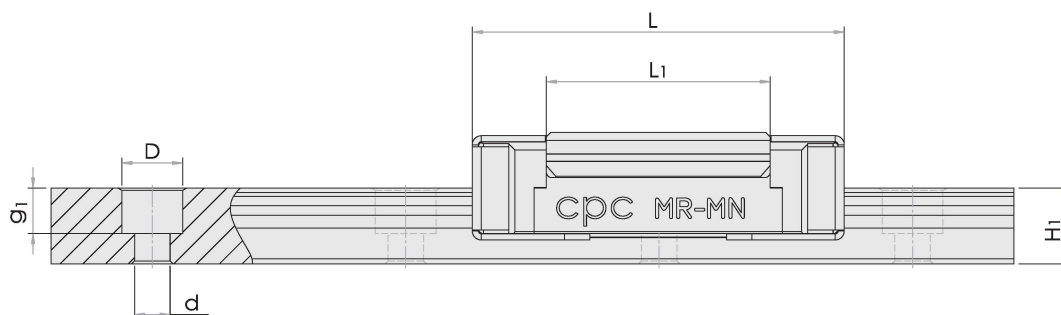


Model Code	Fabricate Dimensions		Rail Dimension(mm)				Block Dimension(mm)					
	H	W2	W1	H1	P	Dxdxg1	W	L	L1	h2	P1	P2
MR 15ML EU/UZ	16	8.5	15	9.5	40	6x3.5x4.5	32	61.6	44	13.1	25	25
MR 15MN EU/UZ	16	8.5	15	9.5	40	6x3.5x4.5	32	44.6	27	13.1	20	25
MR 12ML EU/UZ	13	7.5	12	7.5	25	6x3.5x4.5	27	49	34	11	20	20
MR 12MN EU/UZ	13	7.5	12	7.5	25	6x3.5x4.5	27	36.8	22	11	15	20
MR 9ML EU/UZ	10	5.5	9	5.5	20	6x3.5x3.5	20	41.9	30.8	8.6	16	15
MR 9MN EU/UZ	10	5.5	9	5.5	20	6x3.5x3.5	20	31.6	20.5	8.6	10	15

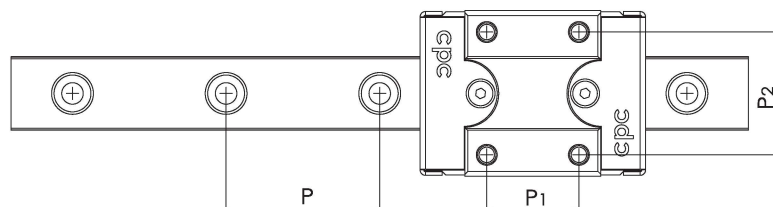
Load capacities are calculated according to ISO 14728. To compare the rating life definition and the load capacities:  $C_{508}=1.26 \times C_{1008}$



MINIATURE LINEAR GUIDE SERIES



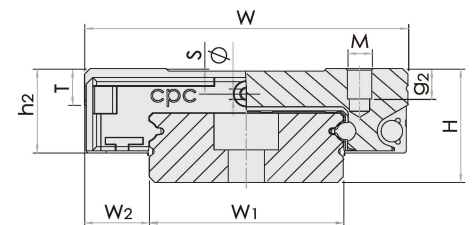
Block Dimension(mm)				Load Capacities(N)		Static Moment(Nm)			Weight		Model Code
Mxg2	Ø	S	T	C100B (dyn)	Co (stat)	Mro	Mpo	Myo	Block(g)	Rail(g/m)	
M3x5.5	1.8	3.3	4.3	5350	9080	70	63.3	63.3	90	930	MR 15ML EU/UZ
M3x5.5	1.8	3.3	4.3	3810	5590	43.6	27	27	61	930	MR 15MN EU/UZ
M3x3.5	1.3	3.2	4.3	3240	5630	34.9	30.2	30.2	51	602	MR 12ML EU/UZ
M3x3.5	1.3	3.2	4.3	2308	3465	21.5	12.9	12.9	34	602	MR 12MN EU/UZ
M3x3.0	1.3	2.2	3.3	2135	3880	18.2	12.4	12.4	28	301	MR 9ML EU/UZ
M3x3.0	1.3	2.2	3.3	1570	2495	11.7	6.4	6.4	18	301	MR 9MN EU/UZ



### 5. Dimensions and Specifications

#### 5.6 MR-W SU Series ( End seal , Bottom Seal )

#### MR-W ZU Series ( End seal , Bottom Seal , Lubrication Storage )

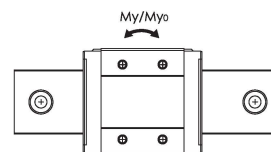
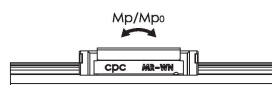
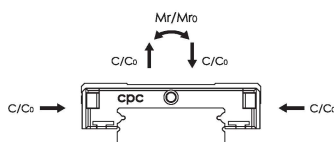


MR 2W-MR 12W

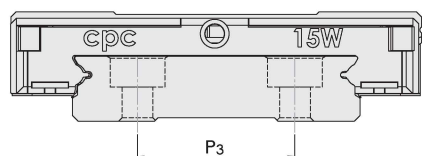
Model Code	Fabricate Dimensions		Rail Dimension(mm)					Block Dimension(mm)					
	H	W2	W1	H1	P	P3	Dxdxg1	W	L	L1	h2	P1	P2
MR 15WL SU/ZU	16	9	42	9.5	40	23	8x4.5x4.5	60	74.4	57.6	12.3	35	45
MR 15WN SU/ZU	16	9	42	9.5	40	23	8x4.5x4.5	60	55.3	38.5	12.3	20	45
MR 12WL SU/ZU	14	8	24	8.5	40	-	8x4.5x4.5	40	59.4	46	10.4	28	28
MR 12WN SU/ZU	14	8	24	8.5	40	-	8x4.5x4.5	40	44.4	31	10.4	15	28
MR 9WL SU/ZU	12	6	18	7.3	30	-	6x3.5x4.5	30	50.7	39.5	8.8	24	23
MR 9WN SU/ZU	12	6	18	7.3	30	-	6x3.5x4.5	30	39.1	27.9	8.8	12	21
MR 7WL SU/ZU	9	5.5	14	5.2	30	-	6x3.5x3.5	25	40.5	30.1	7.2	19	19
MR 7WN SU/ZU	9	5.5	14	5.2	30	-	6x3.5x3.5	25	31.6	21.2	7.2	10	19
MR 5WL SU/ZU	6.5	3.5	10	4	20	-	5.5x3x1.6	17	27.2	21.2	5.1	11	13
MR 5WLC SU/ZU	6.5	3.5	10	4	20	-	5.5x3x1.6	17	27.2	21.2	5.1	11	13
MR 5WN SU/ZU	6.5	3.5	10	4	20	-	5.5x3x1.6	17	21.1	15.1	5.1	6.5	13
MR 5WNC SU/ZU	6.5	3.5	10	4	20	-	5.5x3x1.6	17	21.1	15.1	5.1	6.5	13
* MR 3WL SU/ZU	4.5	3	6	2.7	15	-	4x2.4x1.5	12	20.1	15.1	3.6	8	-
* MR 3WN SU/ZU	4.5	3	6	2.7	15	-	4x2.4x1.5	12	15	10	3.6	4.5	-
* MR 2WL SU/ZU	4	3	4	3	10	-	2.8x1.8x1.0	10	17	11.9	3.1	6.5	-

\* Anticipated

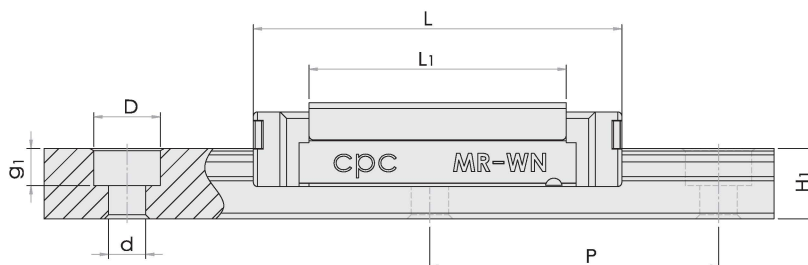
Load capacities are calculated according to ISO 14728. To compare the rating life definition and the load capacities:  $C_{50B}=1.26 \times C_{100B}$



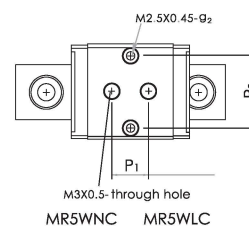
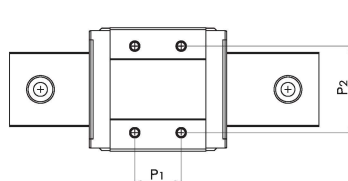
MINIATURE LINEAR GUIDE SERIES



MR 15W



Block Dimension(mm)				Load Capacities(N)		Static Moment(Nm)			Weight		Model Code
Mxg2	Ø	S	T	C <sub>100B</sub> (dyn)	C <sub>0</sub> (stat)	M <sub>r0</sub>	M <sub>p0</sub>	M <sub>y0</sub>	Block(g)	Rail(g/m)	
M4x4.5	1.8	3.3	4.5	6725	12580	257.6	93.1	93.1	200	2818	MR 15WL SU/ZU
M4x4.5	1.8	3.3	4.5	5065	8385	171.1	45.7	45.7	137	2818	MR 15WN SU/ZU
M3x3.5	1.3	3.1	4.5	4070	7800	95.6	56.4	56.4	93	1472	MR 12WL SU/ZU
M3x3.5	1.3	3.1	4.5	3065	5200	63.7	26.3	26.3	65	1472	MR 12WN SU/ZU
M3x3	1.3	2.6	4	2550	4990	45.9	26.7	26.7	51	940	MR 9WL SU/ZU
M3x3	1.3	2.6	4	2030	3605	33.2	13.7	13.7	37	940	MR 9WN SU/ZU
M3x3	1.1	1.9	3.2	1570	3140	22.65	14.9	14.9	27	516	MR 7WL SU/ZU
M3x3	1.1	1.9	3.2	1180	2095	15	7.3	7.3	19	516	MR 7WN SU/ZU
M2.5x1.5	0.9	1.2	2.3	615	1315	6.8	4.1	4.1	8	280	MR 5WL SU/ZU
M3/M2.5x1.5	0.9	1.2	2.3	615	1315	6.8	4.1	4.1	8	280	MR 5WLC SU/ZU
M2.5x1.5	0.9	1.2	2.3	475	900	4.6	2.2	2.2	6	280	MR 5WN SU/ZU
M3/M2.5x1.5	0.9	1.2	2.3	475	900	4.6	2.2	2.2	6	280	MR 5WNC SU/ZU
M2x1.4	0.3	0.8	1.8	370	800	2.5	1.9	1.9	3.4	105	MR 3WL SU/ZU
M2x1.4	0.3	0.8	1.8	280	530	1.6	0.9	0.9	3.4	105	MR 3WN SU/ZU
M2x1.3	-	-	1.3	310	625	1.6	1.2	1.2	3.0	69	MR 2WL SU/ZU

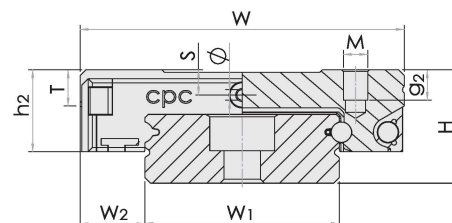


M3X0.5-through hole  
MR5WNC MR5WLC

5. Dimensions and Specifications

5.7 MR-W SS Series (End seal)

MR-W ZZ Series ( End seal , Lubrication Storage)

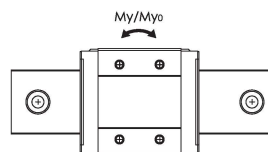
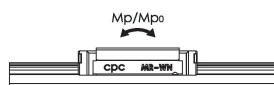
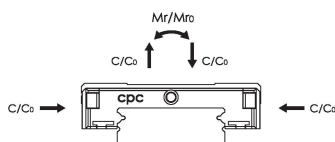


MR 2W-MR 12W

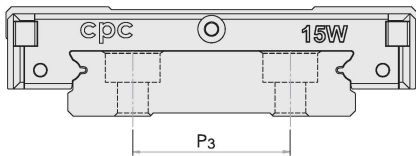
Model Code	Fabricate Dimensions		Rail Dimension(mm)					Block Dimension(mm)					
	H	W2	W1	H1	P	P3	Dxdxg1	W	L	L1	h2	P1	P2
MR 15WL SS/ZZ	16	9	42	9.5	40	23	8x4.5x4.5	60	74.5	57.6	12	35	45
MR 15WN SS/ZZ	16	9	42	9.5	40	23	8x4.5x4.5	60	55.8	38.5	12	20	45
MR 12WL SS/ZZ	14	8	24	8.5	40	-	8x4.5x4.5	40	59.6	46	10.1	28	28
MR 12WN SS/ZZ	14	8	24	8.5	40	-	8x4.5x4.5	40	44.5	31.1	10.1	15	28
MR 9WL SS/ZZ	12	6	18	7.3	30	-	6x3.5x4.5	30	50.7	39.4	8.6	24	23
MR 9WN SS/ZZ	12	6	18	7.3	30	-	6x3.5x4.5	30	39.1	27.9	8.6	12	21
MR 7WL SS/ZZ	9	5.5	14	5.2	30	-	6x3.5x3.5	25	40.5	30.1	7	19	19
MR 7WN SS/ZZ	9	5.5	14	5.2	30	-	6x3.5x3.5	25	31.8	21.2	7	10	19
MR 5WL SS	6.5	3.5	10	4	20	-	5.5x3x1.6	17	27.2	21.2	5	11	13
MR 5WLC SS	6.5	3.5	10	4	20	-	5.5x3x1.6	17	27.2	21.2	5	11	13
MR 5WN SS	6.5	3.5	10	4	20	-	5.5x3x1.6	17	21.1	15.1	5	6.5	13
MR 5WNC SS	6.5	3.5	10	4	20	-	5.5x3x1.6	17	21.1	15.1	5	6.5	13
* MR 3WL SS/ZZ	4.5	3	6	2.7	15	-	4x2.4x1.5	12	20.1	15.1	3.5	8	-
* MR 3WN SS/ZZ	4.5	3	6	2.7	15	-	4x2.4x1.5	12	15	10	3.5	4.5	-
* MR 2WL SS/ZZ	4	3	4	3	10	-	2.8x1.8x1.0	10	17	11.9	3	6.5	-

\* Anticipated

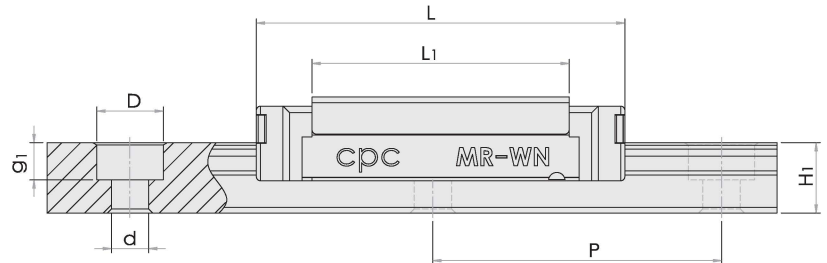
Load capacities are calculated according to ISO 14728. To compare the rating life definition and the load capacities:  $C_{508}=1.26x C_{1008}$



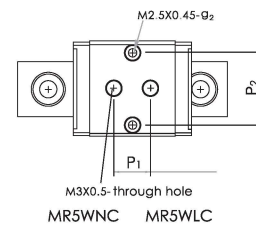
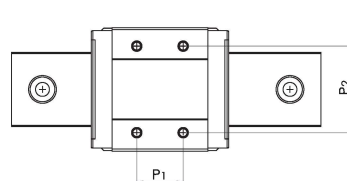
MINIATURE LINEAR GUIDE SERIES



MR 15W



Block Dimension(mm)				Load Capacities(N)		Static Moment(Nm)			Weight		Model Code
Mxg2	∅	S	T	C <sub>100B</sub> (dyn)	C <sub>0</sub> (stat)	M <sub>r0</sub>	M <sub>p0</sub>	M <sub>y0</sub>	Block(g)	Rail(g/m)	
M4x4.5	1.9	3.3	4.5	6725	12580	257.6	93.1	93.1	200	2818	MR 15WL SS/ZZ
M4x4.5	1.9	3.3	4.5	5065	8385	171.1	45.7	45.7	137	2818	MR 15WN SS/ZZ
M3x3.5	1.4	3.1	4.5	4070	7800	95.6	56.4	56.4	93	1472	MR 12WL SS/ZZ
M3x3.5	1.4	3.1	4.5	3065	5200	63.7	26.3	26.3	65	1472	MR 12WN SS/ZZ
M3x3	1.3	2.6	4	2550	4990	45.9	26.7	26.7	51	940	MR 9WL SS/ZZ
M3x3	1.3	2.6	4	2030	3605	33.2	13.7	13.7	37	940	MR 9WN SS/ZZ
M3x3	1.1	1.9	3.2	1570	3140	22.65	14.9	14.9	27	516	MR 7WL SS/ZZ
M3x3	1.1	1.9	3.2	1180	2095	15	7.3	7.3	19	516	MR 7WN SS/ZZ
M2.5x1.5	0.9	1.2	2.3	615	1315	6.8	4.1	4.1	8	280	MR 5WL SS
M3/M2.5x1.5	0.9	1.2	2.3	615	1315	6.8	4.1	4.1	8	280	MR 5WLC SS
M2.5x1.5	0.9	1.2	2.3	475	900	4.6	2.2	2.2	6	280	MR 5WN SS
M3/M2.5x1.5	0.9	1.2	2.3	475	900	4.6	2.2	2.2	6	280	MR 5WNC SS
M2x1.4	0.3	0.8	1.8	370	800	2.5	1.9	1.9	3.4	105	MR 3WL SS/ZZ
M2x1.4	0.3	0.8	1.8	280	530	1.6	0.9	0.9	3.4	105	MR 3WN SS/ZZ
M2x1.3	-	-	1.3	310	625	1.6	1.2	1.2	3.0	69	MR 2WL SS/ZZ

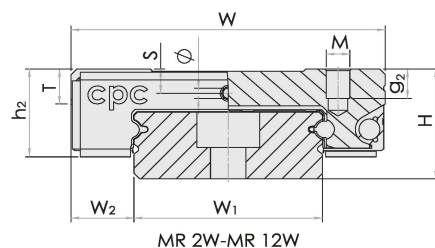


M3X0.5-through hole  
MR5WNC MR5WLC

5. Dimensions and Specifications

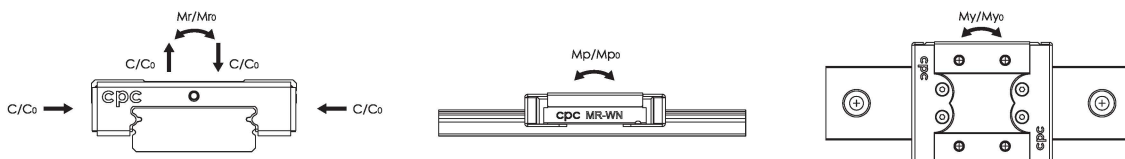
5.8 MR-W SUE Series ( End seal , Bottom Seal , Reinforcement Plate )

MR-W ZUE Series ( End seal , Bottom Seal , Reinforcement Plate , Lubrication Storage )

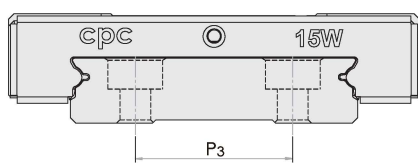


Model Code	Fabricate Dimensions		Rail Dimension(mm)					Block Dimension(mm)					
	H	W <sub>2</sub>	W <sub>1</sub>	H <sub>1</sub>	P	P <sub>3</sub>	Dxdxg <sub>1</sub>	W	L	L <sub>1</sub>	h <sub>2</sub>	P <sub>1</sub>	P <sub>2</sub>
MR 15WL SUE/ZUE	16	9	42	9.5	40	23	8x4.5x4.5	60	76	57.6	13.1	35	45
MR 15WN SUE/ZUE	16	9	42	9.5	40	23	8x4.5x4.5	60	56.9	38.5	13.1	20	45
MR 12WL SUE/ZUE	14	8	24	8.5	40	-	8x4.5x4.5	40	60.8	46	11.2	28	28
MR 12WN SUE/ZUE	14	8	24	8.5	40	-	8x4.5x4.5	40	45.8	31	11.2	15	28
MR 9WL SUE/ZUE	12	6	18	7.3	30	-	6x3.5x4.5	30	51.8	39.5	9.4	24	23
MR 9WN SUE/ZUE	12	6	18	7.3	30	-	6x3.5x4.5	30	40.2	27.9	9.4	12	21
MR 7WL SUE/ZUE	9	5.5	14	5.2	30	-	6x3.5x3.5	25	41.5	30.1	7.6	19	19
MR 7WN SUE/ZUE	9	5.5	14	5.2	30	-	6x3.5x3.5	25	32.5	21.2	7.6	10	19
MR 2WL SUE/ZUE	4	3	4	3	10	-	2.8x1.8x1.0	10	17.5	11.9	3.4	6.5	-

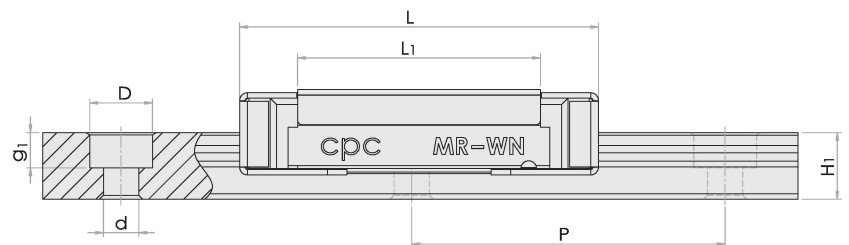
Load capacities are calculated according to ISO 14728. To compare the rating life definition and the load capacities: C<sub>508</sub>=1.26xC<sub>1008</sub>



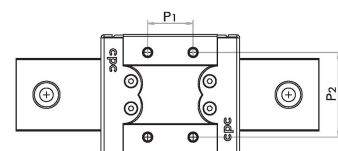
MINIATURE LINEAR GUIDE SERIES



MR 15W



Block Dimension(mm)				Load Capacities(N)		Static Moment(Nm)			Weight		Model Code
Mxg2	Ø	S	T	C <sub>100B</sub> (dyn)	C <sub>0</sub> (stat)	M <sub>r0</sub>	M <sub>p0</sub>	M <sub>y0</sub>	Block(g)	Rail(g/m)	
M4x4.5	1.8	3.3	4.5	6725	12580	257.6	93.1	93.1	203	2818	MR 15WL SUE/ZUE
M4x4.5	1.8	3.3	4.5	5065	8385	171.1	45.7	45.7	140	2818	MR 15WN SUE/ZUE
M3x3.5	1.3	3.1	4.5	4070	7800	95.6	56.4	56.4	96	1472	MR 12WL SUE/ZUE
M3x3.5	1.3	3.1	4.5	3065	5200	63.7	26.3	26.3	68	1472	MR 12WN SUE/ZUE
M3x3	1.3	2.6	4	2550	4990	45.9	26.7	26.7	51	940	MR 9WL SUE/ZUE
M3x3	1.3	2.6	4	2030	3605	33.2	13.7	13.7	37	940	MR 9WN SUE/ZUE
M3x3	1.1	1.9	3.2	1570	3140	22.65	14.9	14.9	27	516	MR 7WL SUE/ZUE
M3x3	1.1	1.9	3.2	1180	2095	15	7.3	7.3	19	516	MR 7WN SUE/ZUE
M2x1.3	-	-	1.3	310	625	1.6	1.2	1.2	3.0	69	MR 2WL SUE/ZUE





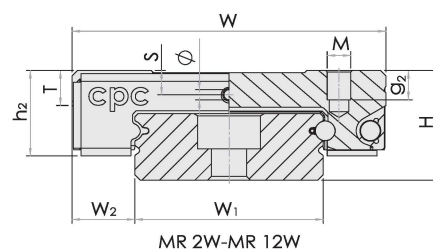


MINIATURE LINEAR GUIDE SERIES

5. Dimensions and Specifications

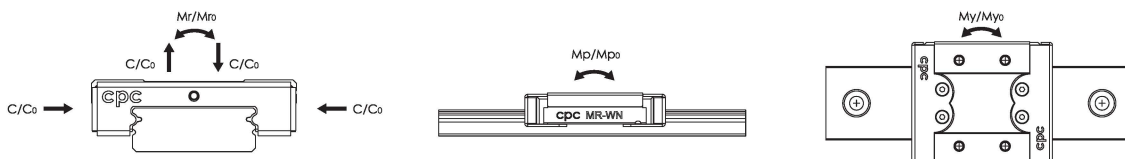
5.9 MR-W EE Series ( End seal, Reinforcement Plate )

MR-W EZ Series ( End seal , Reinforcement Plate , Lubrication Storage )

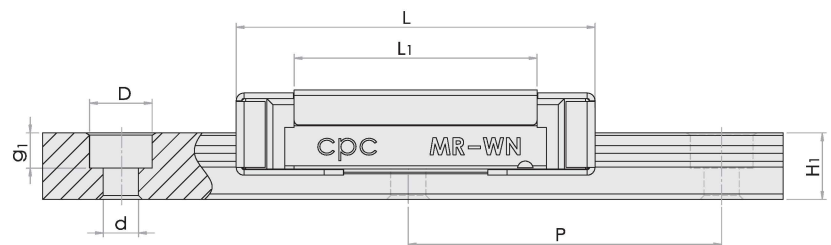
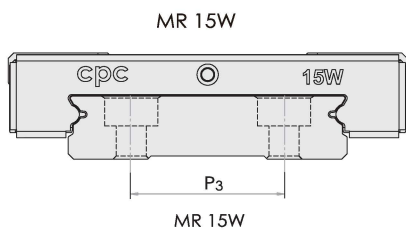


Model Code	Fabricate Dimensions		Rail Dimension(mm)					Block Dimension(mm)					
	H	W <sub>2</sub>	W <sub>1</sub>	H <sub>1</sub>	P	P <sub>3</sub>	D x d x g <sub>1</sub>	W	L	L <sub>1</sub>	h <sub>2</sub>	P <sub>1</sub>	P <sub>2</sub>
MR 15WL EE/EZ	16	9	42	9.5	40	23	8x4.5x4.5	60	76	57.6	12.8	35	45
MR 15WN EE/EZ	16	9	42	9.5	40	23	8x4.5x4.5	60	56.9	38.5	12.8	20	45
MR 12WL EE/EZ	14	8	24	8.5	40	-	8x4.5x4.5	40	60.8	46	10.9	28	28
MR 12WN EE/EZ	14	8	24	8.5	40	-	8x4.5x4.5	40	45.8	31	10.9	15	28
MR 9WL EE/EZ	12	6	18	7.3	30	-	6x3.5x4.5	30	51.8	39.5	9.2	24	23
MR 9WN EE/EZ	12	6	18	7.3	30	-	6x3.5x4.5	30	40.2	27.9	9.2	12	21
MR 7WL EE/EZ	9	5.5	14	5.2	30	-	6x3.5x3.5	25	41.5	30.1	7.5	19	19
MR 7WN EE/EZ	9	5.5	14	5.2	30	-	6x3.5x3.5	25	32.5	21.2	7.5	10	19
MR 2WL EE/EZ	4	3	4	3	10	-	2.8x1.8x1.0	10	17.5	11.9	3.3	6.5	-

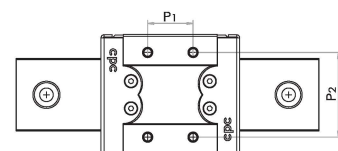
Load capacities are calculated according to ISO 14728. To compare the rating life definition and the load capacities:  $C_{50B} = 1.26 \times C_{100B}$



MINIATURE LINEAR GUIDE SERIES

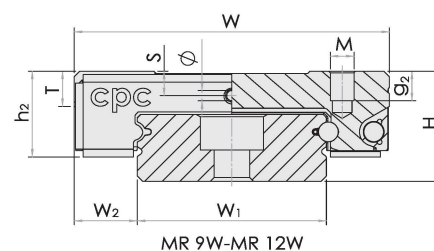


Block Dimension(mm)				Load Capacities(N)		Static Moment(Nm)			Weight		Model Code
Mxg2	∅	S	T	C <sub>100B</sub> (dyn)	C <sub>0</sub> (stat)	M <sub>r0</sub>	M <sub>p0</sub>	M <sub>y0</sub>	Block(g)	Rail(g/m)	
M4x4.5	1.8	3.3	4.5	6725	12580	257.6	93.1	93.1	203	2818	MR 15WL EE/EZ
M4x4.5	1.8	3.3	4.5	5065	8385	171.1	45.7	45.7	140	2818	MR 15WN EE/EZ
M3x3.5	1.3	3.1	4.5	4070	7800	95.6	56.4	56.4	96	1472	MR 12WL EE/EZ
M3x3.5	1.3	3.1	4.5	3065	5200	63.7	26.3	26.3	68	1472	MR 12WN EE/EZ
M3x3	1.3	2.6	4	2550	4990	45.9	26.7	26.7	51	940	MR 9WL EE/EZ
M3x3	1.3	2.6	4	2030	3605	33.2	13.7	13.7	37	940	MR 9WN EE/EZ
M3x3	1.1	1.9	3.2	1570	3140	22.65	14.9	14.9	27	516	MR 7WL EE/EZ
M3x3	1.1	1.9	3.2	1180	2095	15	7.3	7.3	19	516	MR 7WN EE/EZ
M2x1.3	-	-	1.3	310	625	1.6	1.2	1.2	3.0	69	MR 2WL EE/EZ



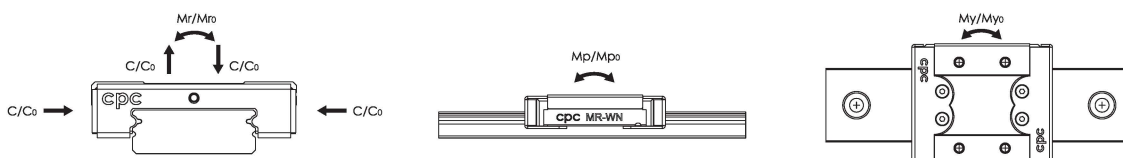
5. Dimensions and Specifications

5.10 MR-W EU Series ( End seal , Reinforcement Plate , Stainless Bottom Seal )  
MR-W UZ Series ( End seal , Reinforcement Plate , Stainless Bottom Seal ,  
Lubrication Storage )

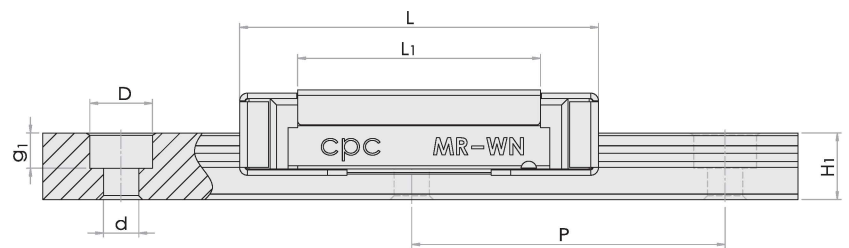
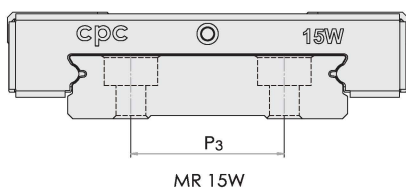


Model Code	Fabricate Dimensions		Rail Dimension(mm)					Block Dimension(mm)					
	H	W <sub>2</sub>	W <sub>1</sub>	H <sub>1</sub>	P	P <sub>3</sub>	D x d x g <sub>1</sub>	W	L	L <sub>1</sub>	h <sub>2</sub>	P <sub>1</sub>	P <sub>2</sub>
MR 15WL EU/UZ	16	9	42	9.5	40	23	8x4.5x4.5	60	76	57.6	13.1	35	45
MR 15WN EU/UZ	16	9	42	9.5	40	23	8x4.5x4.5	60	56.9	38.5	13.1	20	45
MR 12WL EU/UZ	14	8	24	8.5	40	-	8x4.5x4.5	40	60.8	46	11	28	28
MR 12WN EU/UZ	14	8	24	8.5	40	-	8x4.5x4.5	40	45.8	31	11	15	28
MR 9WL EU/UZ	12	6	18	7.3	30	-	6x3.5x4.5	30	51.8	39.5	9.5	24	23
MR 9WN EU/UZ	12	6	18	7.3	30	-	6x3.5x4.5	30	40.2	27.9	9.5	12	21

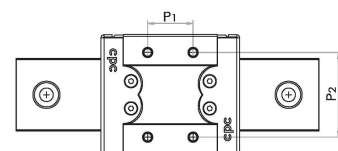
Load capacities are calculated according to ISO 14728. To compare the rating life definition and the load capacities:  $C_{508} = 1.26 \times C_{1008}$



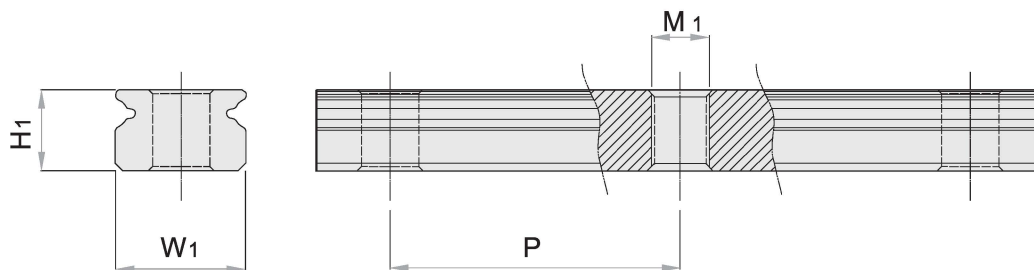
MINIATURE LINEAR GUIDE SERIES



Block Dimension(mm)				Load Capacities(N)		Static Moment(Nm)			Weight		Model Code
Mxg2	∅	S	T	C <sub>100B</sub> (dyn)	C <sub>0</sub> (stat)	M <sub>r0</sub>	M <sub>p0</sub>	M <sub>y0</sub>	Block(g)	Rail(g/m)	
M4x4.5	1.8	3.3	4.5	6725	12580	257.6	93.1	93.1	203	2818	MR 15WL EU/UZ
M4x4.5	1.8	3.3	4.5	5065	8385	171.1	45.7	45.7	140	2818	MR 15WN EU/UZ
M3x3.5	1.3	3.1	4.5	4070	7800	95.6	56.4	56.4	96	1472	MR 12WL EU/UZ
M3x3.5	1.3	3.1	4.5	3065	5200	63.7	26.3	26.3	68	1472	MR 12WN EU/UZ
M3x3	1.3	2.6	4	2550	4990	45.9	26.7	26.7	51	940	MR 9WL EU/UZ
M3x3	1.3	2.6	4	2030	3605	33.2	13.7	13.7	37	940	MR 9WN EU/UZ



## 5. Dimensions and Specifications



### 5.13 Standard MRU-M series - Tapped from bottom

#### Dimensions and Specifications

Model Code	Rail Dimensions (mm)			
	H <sub>1</sub>	W <sub>1</sub>	P	M <sub>1</sub>
MRU 15M	9.5	15	40	M4x0.7
MRU 12M	7.5	12	25	M4x0.7
MRU 9M	5.5	9	20	M4x0.7
MRU 7M	4.7	7	15	M3x0.5
MRU 5M	3.5	5	15	M3x0.5
MRU 3M	2.6	3	10	M1.6 x0.35

### 5.14 Wide MRU-W series - Tapped from bottom

#### Dimensions and Specifications

Model Code	Rail Dimensions (mm)			
	H <sub>1</sub>	W <sub>1</sub>	P	M <sub>1</sub>
MRU 15W	9.5	42	40	M5x0.8
MRU 12W	8.5	24	40	M5x0.8
MRU 9W	7.3	18	30	M4x0.7
MRU 7W	5.2	14	30	M4x0.7
MRU 5W	4	10	20	M3x0.5
MRU 3W	2.7	6	15	M3x0.5