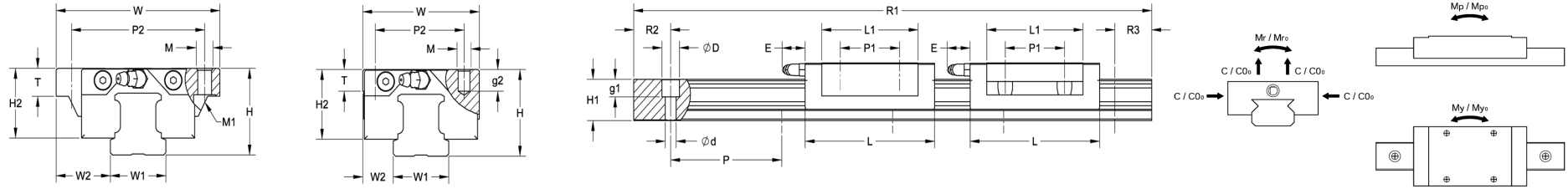


CPC-MR12 - Miniature Linear Guides

DIMENSIONS



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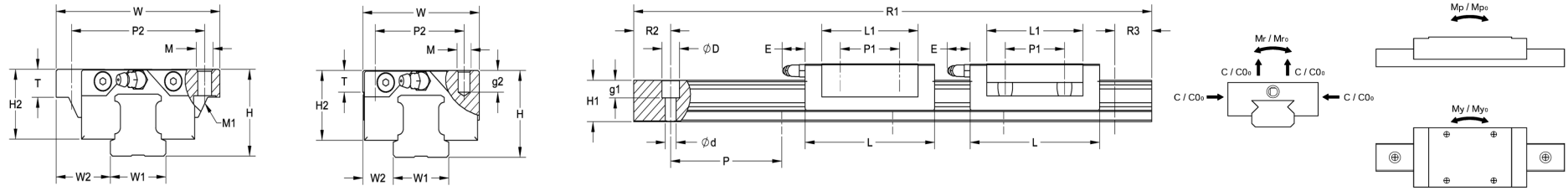
Part Number	Fabrication Dimensions (mm)		Block Dimensions (mm)											Rail Dimensions (mm)					Load Capacities (kN)		Static Moment (Nm)			Block Weight (lbs)	Rail Weight (lbs)
	H	W ₂	W	L	L ₁	h ₂	P	P ₁	P ₂	D x d x g ₁	M x g ₂	S	T	W ₁	H ₁	R ₁	R ₂	R ₃	C	C ₀	Mr ₀	Mp ₀	My ₀		
CPC-MR12MLSSV0N-100-12.5-12.5	13	7.5	27	47.8	34	10.2	25	20	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	100	12.5	12.5	3.24	5.63	34.9	30.2	30.2	0.11	0.13
CPC-MR12MLSSV0N-300-12.5-12.5	13	7.5	27	47.8	34	10.2	25	20	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	300	12.5	12.5	3.24	5.63	34.9	30.2	30.2	0.11	0.40
CPC-MR12MLSSV0N-500-12.5-12.5	13	7.5	27	47.8	34	10.2	25	20	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	500	12.5	12.5	3.24	5.63	34.9	30.2	30.2	0.11	0.66
CPC-MR12MLSSV0N-780-15-15	13	7.5	27	47.8	34	10.2	25	20	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	780	15	15	3.24	5.63	34.9	30.2	30.2	0.11	1.04
CPC-MR12MLSSV0N-1000L	13	7.5	27	47.8	34	10.2	25	20	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	1000	12.5	12.5	3.24	5.63	34.9	30.2	30.2	0.11	1.32
CPC-MR12MNSSV0N-100-12.5-12.5	13	7.5	27	35.8	22	10.1	25	15	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	100	12.5	12.5	2.308	3.465	21.5	12.9	12.9	0.08	0.13
CPC-MR12MNSSV0N-300-12.5-12.5	13	7.5	27	35.8	22	10.1	25	15	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	300	12.5	12.5	2.308	3.465	21.5	12.9	12.9	0.08	0.40
CPC-MR12MNSSV0N-500-12.5-12.5	13	7.5	27	35.8	22	10.1	25	15	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	500	12.5	12.5	2.308	3.465	21.5	12.9	12.9	0.08	0.66
CPC-MR12MNSSV0N-780-15-15	13	7.5	27	35.8	22	10.1	25	15	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	780	15	15	2.308	3.465	21.5	12.9	12.9	0.08	1.04
CPC-MR12MNSSV0N-1000L	13	7.5	27	35.8	22	10.1	25	15	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	1000	12.5	12.5	2.308	3.465	21.5	12.9	12.9	0.08	1.32
CPC-MR12WLSSV0N-100-10-10	14	8	40	60	46	10.1	40	28	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	100	10	10	4.07	7.8	95.6	56.4	56.4	0.21	0.33
CPC-MR12WLSSV0N-300-10-10	14	8	40	60	46	10.3	40	28	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	300	10	10	4.07	7.8	95.6	56.4	56.4	0.21	0.98
CPC-MR12WLSSV0N-500-10-10	14	8	40	60	46	10.3	40	28	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	500	10	10	4.07	7.8	95.6	56.4	56.4	0.21	1.63
CPC-MR12WLSSV0N-780-10-10	14	8	40	60	46	10.3	40	28	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	780	10	10	4.07	7.8	95.6	56.4	56.4	0.21	2.54
CPC-MR12WLSSV0N-1000L	14	8	40	60	46	10.3	40	28	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	1000	12.5	12.5	4.07	7.8	95.6	56.4	56.4	0.21	3.25
CPC-MR12WNSSV0N-100-10-10	14	8	40	44.9	31.1	10.3	40	15	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	100	10	10	3.065	5.2	63.7	26.3	26.3	0.14	0.33
CPC-MR12WNSSV0N-300-10-10	14	8	40	44.9	31.1	10.3	40	15	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	300	10	10	3.065	5.2	63.7	26.3	26.3	0.14	0.98
CPC-MR12WNSSV0N-500-10-10	14	8	40	44.9	31.1	10.3	40	15	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	500	10	10	3.065	5.2	63.7	26.3	26.3	0.14	1.63
CPC-MR12WNSSV0N-780-10-10	14	8	40	44.9	31.1	10.3	40	15	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	780	10	10	3.065	5.2	63.7	26.3	26.3	0.14	2.54
CPC-MR12WNSSV0N-1000L	14	8	40	44.9	31.1	10.3	40	15	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	1000	12.5	12.5	3.065	5.2	63.7	26.3	26.3	0.14	3.25

The rated load capacities and static moment values are calculated according to the ISO14728 standard. The rated life for basic dynamic load is defined as the total 100km travel distance that 90% of a group of identical linear guides can be operated individually under the same conditions, free from any material damage caused by rolling fatigue-When the standard of 50km travel distance is applied. The basic dynamic load rating C of ISO14728 should be multiplied by 1.26 for conversion.

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CPC-MR12 - Miniature Linear Guides

DIMENSIONS



SPECIFICATIONS

Part Number	Fabrication Dimensions (mm)		Block Dimensions (mm)										Rail Dimensions (mm)				Load Capacities (KN)		Static Moment (Nm)			Block Weight (lbs)	Rail Weight (lbs)		
	H	W ₂	W	L	L ₁	h ₂	P	P ₁	P ₂	D x d x g ₁	M x g ₂	S	T	W ₁	H ₁	R ₁	R ₂	R ₃	C	C ₀	Mr ₀			Mp ₀	My ₀
CPC-MR12MLSUV0N-100-12.5-12.5	13	7.5	27	48	34	10.5	25	20	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	100	12.5	12.5	3.24	5.63	34.9	30.2	30.2	0.11	0.13
CPC-MR12MLSUV0N-300-12.5-12.5	13	7.5	27	48	34	10.5	25	20	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	300	12.5	12.5	3.24	5.63	34.9	30.2	30.2	0.11	0.40
CPC-MR12MLSUV0N-500-12.5-12.5	13	7.5	27	48	34	10.5	25	20	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	500	12.5	12.5	3.24	5.63	34.9	30.2	30.2	0.11	0.66
CPC-MR12MLSUV0N-780-15-15	13	7.5	27	48	34	10.5	25	20	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	780	15	15	3.24	5.63	34.9	30.2	30.2	0.11	1.04
CPC-MR12MLSUV0N-1000L	13	7.5	27	48	34	10.5	25	20	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	1000	12.5	12.5	3.24	5.63	34.9	30.2	30.2	0.11	1.32
CPC-MR12MNSUV0N-100-12.5-12.5	13	7.5	27	35.7	22	10.4	25	15	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	100	12.5	12.5	2.308	3.465	21.5	12.9	12.9	0.08	0.13
CPC-MR12MNSUV0N-300-12.5-12.5	13	7.5	27	35.7	22	10.4	25	15	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	300	12.5	12.5	2.308	3.465	21.5	12.9	12.9	0.08	0.40
CPC-MR12MNSUV0N-500-12.5-12.5	13	7.5	27	35.7	22	10.4	25	15	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	500	12.5	12.5	2.308	3.465	21.5	12.9	12.9	0.08	0.66
CPC-MR12MNSUV0N-780-15-15	13	7.5	27	35.7	22	10.4	25	15	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	780	15	15	2.308	3.465	21.5	12.9	12.9	0.08	1.04
CPC-MR12MNSUV0N-1000L	13	7.5	27	35.7	22	10.4	25	15	20	6 x 3.5 x 4.5	M3 x 3.5	3.2	4.3	12	7.5	1000	12.5	12.5	2.308	3.465	21.5	12.9	12.9	0.08	1.32
CPC-MR12WLSUV0N-050-5-5	14	8	40	59.8	46	10.7	40	28	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	50	5	5	4.07	7.8	95.6	56.4	56.4	0.21	0.16
CPC-MR12WLSUV0N-100-10-10	14	8	40	59.8	46	10.7	40	28	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	100	10	10	4.07	7.8	95.6	56.4	56.4	0.21	0.33
CPC-MR12WLSUV0N-300-10-10	14	8	40	59.8	46	10.7	40	28	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	300	10	10	4.07	7.8	95.6	56.4	56.4	0.21	0.98
CPC-MR12WLSUV0N-500-10-10	14	8	40	59.8	46	10.7	40	28	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	500	10	10	4.07	7.8	95.6	56.4	56.4	0.21	1.63
CPC-MR12WLSUV0N-780-10-10	14	8	40	59.8	46	10.7	40	28	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	780	10	10	4.07	7.8	95.6	56.4	56.4	0.21	2.54
CPC-MR12WLSUV0N-1000L	14	8	40	59.8	46	10.7	40	28	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	1000	12.5	12.5	4.07	7.8	95.6	56.4	56.4	0.21	3.25
CPC-MR12WNSUV0N-100-10-10	14	8	40	44.7	31	10.5	40	15	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	100	10	10	3.065	5.2	63.7	26.3	26.3	0.14	0.33
CPC-MR12WNSUV0N-300-10-10	14	8	40	44.7	31	10.5	40	15	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	300	10	10	3.065	5.2	63.7	26.3	26.3	0.14	0.98
CPC-MR12WNSUV0N-500-10-10	14	8	40	44.7	31	10.5	40	15	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	500	10	10	3.065	5.2	63.7	26.3	26.3	0.14	1.63
CPC-MR12WNSUV0N-780-10-10	14	8	40	44.7	31	10.5	40	15	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	780	10	10	3.065	5.2	63.7	26.3	26.3	0.14	2.54
CPC-MR12WNSUV0N-1000L	14	8	40	44.7	31	10.5	40	15	28	8 x 4.5 x 4.5	M3 x 3.5	3.1	4.5	24	8.5	1000	12.5	12.5	3.065	5.2	63.7	26.3	26.3	0.14	3.25

The rated load capacities and static moment values are calculated according to the ISO14728 standard. The rated life for basic dynamic load is defined as the total 100km travel distance that 90% of a group of identical linear guides can be operated individually under the same conditions, free from any material damage caused by rolling fatigue-When the standard of 50km travel distance is applied. The basic dynamic load rating C of ISO14728 should be multiplied by 1.26 for conversion.

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