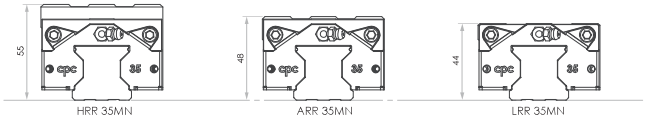
Product Overview

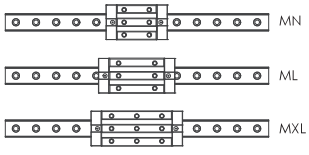
LRR Extremely Low Profile Type

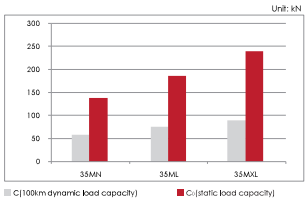
Compared to the industry's standard, with various combination and low center of gravity provides a more compact space, and is suitable for occasions that need to lower external torque and smaller inertial force. ARR, HRR, LRR's block, all share the same track, and with same load capacity and service life.

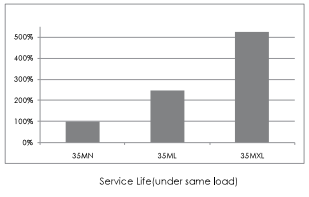


MXL Ultra Long Block Type

Compared to the industry's ML lengthened block, MXL is the model with a much lengthened block and can demonstrate a greater load capability and rigidity, and better shock reduction capability. It's suitable for machine tool that requires super high rigidity and accuracy.







Service Life(under same load)

Parts information

Low Noise Roller Chain (Optional)

Ball chain can effectively lower high frequency noise volume while sliding, and enhance smoothness. The ball chain spacer beteen steel rollers can continuously replenish the oil film cladding to maintain better lubrication effect.

(For more information please refer to page 07)

High Rigidity Stainless Steel Reinforcement Plate (Standard Feature)

L-shaped design is locked with end and bottom screw on block body respectively. The bottom of the body is equipped with integrated bolt, and can fix the reinforcement plate tightly to prevent plastic mountings from cracking and result in block damage.

(For more information please refer to page 06)

Full Cover Seal (Standard Feature)

All model type are equipped with "end seal", "bottom seal", "inner seal" and can effectively prevent foreigh objects from sliding into the block, and prevent lubrication from leaking out.

(For more information please refer to page 03)

Metal-Plastic-Cap (Standard Feature)

Stainless steel cover can demonstrate excellent friction resistance ability under harsh environment. Inside the hole plug is equipped with plastic fixed support, having easy installation characteristics, can directly be installed on the standard rail. Contact between support part and stigma screws can prevent over fastening while installation, and can prevent foreign objects from stacking while sliding as well.

(For more information please refer to page 10)

NBR Seal (Optional)

The seal can demonstrate high dustproof ability focusing on the fine dust working condition, such as wood-working machine, glass processing machine, graphite processing machine, and grinder. On the outer side of the seal is equipped with stainless steel scraper, and the clearance between inner contour and rail contour is only 0.2~0.3mm. This can prevent comparatively large foreign objects from damaging rubber seal.

(For more information please refer to page 09)

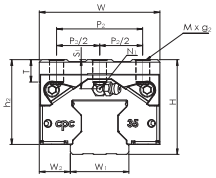
Ordering Information

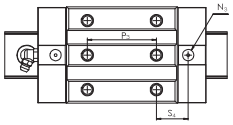
Model Code

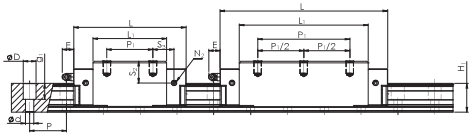
ARR	U	35	M	N	S	2	C	V1	P	-1480L	-20	-20	II	/J

- Customization code (please refer to page 14)
- Number of rails on the same moving axis
- End hole pitch(mm)
- Starting hole pitch(mm)
- Rail length(mm)
- Accuracy grade: UP, SP, P, H (please refer to page 13)
- Preload class: V0, V1, V2
- C: with ball chain (please refer to page 07)
- Block quantity
- Seal type: S:standard
- Block length: N:standard L:long XL:extra long
- Block width: M:standard F:flanged
- Block type: 35,45
- U: Rail (tapped from the bottom)
- Product type: ARR: Low Profile Type HRR: High Profile Type LRR: Extremely Low Profile Type

Dimensions Table







ARR MN/ML/MXL Series

Model Code	Mounting Dimensions		Rail Dimensions(mm)				Block Dimensions(mm)											Block Dimensions(mm)								Load Capacities (KN)		Static Moment (Nm)			Weight		Model Code
	H	W2	W1	H1	P	DxdxG1	W	L	L1	h2	P1	P1/2	P2	P2/2	P3	MxG2	M1	T	N1	N2	N3	E	S1	S2	S3	S4	C50 100km	C0	Mr0	Mp0	My0	Block(g)	Rail(g/m)	
ARR 35MN	48	18	34	31	40	14x9x17	70	122	84	42	50	-	50	25	50	M8x13	-	13	M6x12	M6x8	P5	12	10	16.4	25	25	57	154	2742	1946	1946	1200	5740	ARR 35MN
ARR 35ML	48	18	34	31	40	14x9x17	70	147.5	109.5	42	72	-	50	25	72	M8x13	-	13	M6x12	M6x8	P5	12	10	16.4	26.7	26.7	68.9	196	3525	3226	3226	1750	5740	ARR 35ML

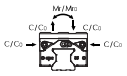
HRR MN/ML/MXL Series

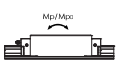
HRR 35MN	55	18	34	31	40	14x9x17	70	122	84	49	50	-	50	25	50	M8x16	-	13	M6x12	M6x8	P5	12	17	23.4	25	25	57	154	2742	1946	1946	1720	5740	HRR 35MN
HRR 35ML	55	18	34	31	40	14x9x17	70	147.5	109.5	49	72	-	50	25	72	M8x16	-	13	M6x12	M6x8	P5	12	17	23.4	26.7	26.7	68.9	196	3525	3226	3226	2100	5740	HRR 35ML
HRR 35MXL	55	18	34	31	40	14x9x17	70	177.5	139.5	49	100	50	50	25	100	M8x16	-	13	M6x12	M6x8	P5	12	17	23.4	27.7	27.7	82	245	4439	5111	5111	2700	5740	HRR 35MXL

LRR MN/ML/MXL Series

LRR 35MN	44	18	34	31	40	14x9x17	70	122	84	38	50	-	50	25	50	M8x9	-	9	M6x12	M6x8	P5	12	6	12.4	25	25	57	154	2742	1946	1946	1100	5740	LRR 35MN
LRR 35ML	44	18	34	31	40	14x9x17	70	147.5	109.5	38	72	-	50	25	72	M8x9	-	9	M6x12	M6x8	P5	12	6	12.4	26.7	26.7	68.9	196	3525	3226	3226	1500	5740	LRR 35ML
LRR 35MXL	44	18	34	31	40	14x9x17	70	177.5	139.5	38	100	50	50	25	100	M8x9	-	9	M6x12	M6x8	P5	12	6	12.4	27.7	27.7	82	245	4439	5111	5111	1900	5740	LRR 35MXL

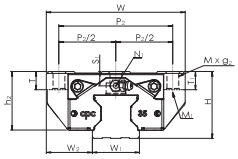
1. The load capacities is for full-ball type (without ball chain)
2. N2 = Injecting holes
3. N3 = O-ring size for lubrication from above
4. N2 N3 will be seal before shipmant, open it when using product.

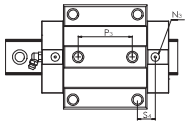


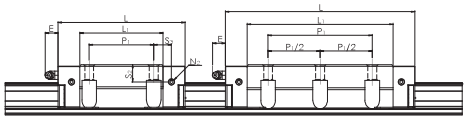


The above rating load capacities and static moment are calculated according to ISO14728 standard. The rating life for basic dynamic load rating is defined as the total 100km travel distance that 90% of a group of identical linear guides can be operated individually under the same conditions free from any material damage caused by rolling fatigue. When the standard of 50km travel distance is applied, the above basic dynamic load rating C of ISO 14728 should be multiplied by 1.26 for conversion.

Dimensions Table







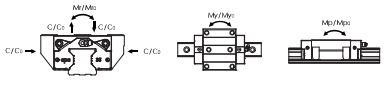
HRR FN/FL/FXL Series

Model Code	Mounting Dimensions		Rail Dimensions(mm)				Block Dimensions(mm)												Block Dimensions(mm)								Load Capacities (KN)		Static Moment (Nm)			Weight		Model Code
	H	W2	W1	H1	P	Dxdxg1	W	L	L1	h2	P1	P1/2	P2	P2/2	P3	Mxg2	M1	T	T1	N1	N2	N3	E	S1	S2	S3	S4	Cp0 100km	C0	Mr0	Mp0	My0	Block(g)	Rail(g/m)	
HRR 35FN	48	33	34	31	40	14x9x17	100	122	84	42	62	-	82	41	52	M10x13	M8	13	13	M6x12	M6x8	P5	12	10	16.4	19	19	57	154	2742	1946	1946	1700	5740	HRR 35FN
HRR 35FL	48	33	34	31	40	14x9x17	100	147.5	109.5	42	62	-	82	41	52	M10x13	M8	13	13	M6x12	M6x8	P5	12	10	16.4	31.7	31.7	68.9	196	3525	3226	3226	2400	5740	HRR 35FL
HRR 35FXL	48	33	34	31	40	14x9x17	100	177.5	139.5	42	100	50	82	41	100	M10x13	M8	13	13	M6x12	M6x8	P5	12	10	16.4	27.7	27.7	82	245	4439	5111	5111	3100	5740	HRR 35FXL

LRR FN/FL/FXL Series

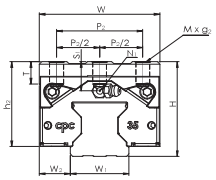
LRR 35FN	44	33	34	31	40	14x9x17	100	122	84	38	62	-	82	41	52	M10x9	M8	9	9	M6x12	M6x8	P5	12	6	12.4	19	19	57	154	2742	1946	1946	1550	5740	LRR 35FN
LRR 35FL	44	33	34	31	40	14x9x17	100	147.5	109.5	38	62	-	82	41	52	M10x9	M8	9	9	M6x12	M6x8	P5	12	6	12.4	31.7	31.7	68.9	196	3525	3226	3226	2200	5740	LRR 35FL
LRR 35FXL	44	33	34	31	40	14x9x17	100	177.5	139.5	38	100	50	82	41	100	M10x9	M8	9	9	M6x12	M6x8	P5	12	6	12.4	27.7	27.7	82	245	4439	5111	5111	2800	5740	LRR 35FXL

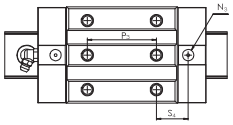
1. The load capacities is for full-ball type (without ball chain)
2. N2 = Injecting holes
3. N3 = O-ring size for lubrication from above
4. N2 N3 will be seal before shipmant, open it when using product.

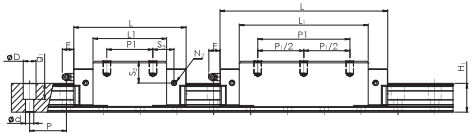


The above rating load capacities and static moment are calculated according to ISO14728 standard. The rating life for basic dynamic load rating is defined as the total 100km travel distance that 90% of a group of identical linear guides can be operated individually under the same conditions free from any material damage caused by rolling fatigue. When the standard of 50km travel distance is applied, the above basic dynamic load rating C of ISO 14728 should be multiplied by 1.26 for conversion.

Dimensions Table







ARR MN/ML/MXL...C Series (Ball chain type)

Model Code	Mounting Dimensions		Rail Dimensions(mm)				Block Dimensions(mm)											Block Dimensions(mm)								Load Capacities (KN)		Static Moment (Nm)			Weight		Model Code
	H	W2	W1	H1	P	Dxdxg1	W	L	L1	h2	P1	P1/2	P2	P2/2	P3	Mxg2	M1	T	N1	N2	N3	E	S1	S2	S3	S4	C cage 100km	C0	Mr0	Mp0	My0	Block(g)	Rail(g/m)	
ARR 35MN	48	18	34	31	40	14x9x17	70	122	84	42	50	-	50	25	50	M8x13	-	13	M6x12	M6x8	P5	12	10	16.4	25	25	71.3	133	2350	1710	1710	1200	5800	ARR 35MN
ARR 35ML	48	18	34	31	40	14x9x17	70	147.5	109.5	42	72	-	50	25	72	M8x13	-	13	M6x12	M6x8	P5	12	10	16.4	26.7	26.7	86.1	175	3133	2881	2881	1750	5850	ARR 35ML

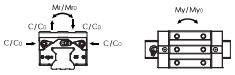
HRR MN/ML/MXL...C Series (Ball chain type)

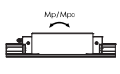
HRR 35MN	55	18	34	31	40	14x9x17	70	122	84	49	50	-	50	25	50	M8x16	-	13	M6x12	M6x8	P5	12	17	23.4	25	25	71.3	133	2350	1710	1710	1720	5721	HRR 35MN
HRR 35ML	55	18	34	31	40	14x9x17	70	147.5	109.5	49	72	-	50	25	72	M8x16	-	13	M6x12	M6x8	P5	12	17	23.4	26.7	26.7	86.1	175	3133	2881	2881	2100	5850	HRR 35ML
HRR 35MXL	55	18	34	31	40	14x9x17	70	177.5	139.5	49	100	50	50	25	100	M8x16	-	13	M6x12	M6x8	P5	12	17	23.4	27.7	27.7	102.5	224	4047	4695	4695	2700	5850	HRR 35MXL

LRR MN/ML/MXL...C Series (Ball chain type)

LRR 35MN	44	18	34	31	40	14x9x17	70	122	84	38	50	-	50	25	50	M8x9	-	9	M6x12	M6x8	P5	12	6	12.4	25	25	71.3	133	2350	1710	1710	1100	5850	LRR 35MN
LRR 35ML	44	18	34	31	40	14x9x17	70	147.5	109.5	38	72	-	50	25	72	M8x9	-	9	M6x12	M6x8	P5	12	6	12.4	26.7	26.7	86.1	175	3133	2881	2881	1500	5850	LRR 35ML
LRR 35MXL	44	18	34	31	40	14x9x17	70	177.5	139.5	38	100	50	50	25	100	M8x9	-	9	M6x12	M6x8	P5	12	6	12.4	27.7	27.7	102.5	224	4047	4695	4695	1900	5850	LRR 35MXL

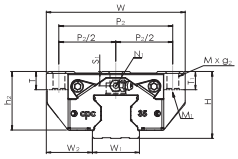
1. N1 = Injecting holes 2. N3 = O-ring size for lubrication from above
3. N2: N2 will be seal before shipmant, open it when using product.

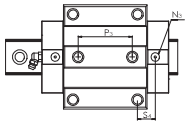


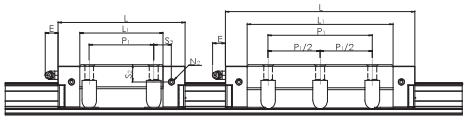


The dynamic load rating value with ball chain Ccage is the measured value. The above static load rating and the static moment are calculated according to the ISO 14728 standard.

Dimensions Table







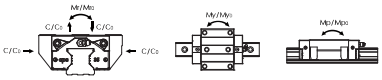
HRR FN/FL/FXL...C Series (Ball chain type)

Model Code	Mounting Dimensions		Rail Dimensions(mm)				Block Dimensions(mm)													Block Dimensions(mm)							Load Capacities (KN)		Static Moment (Nm)			Weight		Model Code
	H	W2	W1	H1	P	Dxdxg1	W	L	L1	h2	P1	P1/2	P2	P2/2	P3	Mxg2	M1	T	T1	N1	N2	N3	E	S1	S2	S3	S4	C coge 100km	C0	Mr0	Mp0	My0	Block(g)	Rail(g/m)	
HRR 35FN	48	33	34	31	40	14x9x17	100	122	84	42	62	-	82	41	52	M10x13	M8	13	13	M6x12	M6x8	P5	12	10	16.4	19	19	71.3	133	2350	1710	1710	1700	5800	HRR 35FN
HRR 35FL	48	33	34	31	40	14x9x17	100	147.5	109.5	42	62	-	82	41	52	M10x13	M8	13	13	M6x12	M6x8	P5	12	10	16.4	31.7	31.7	86.1	175	3133	2881	2881	2400	5800	HRR 35FL
HRR 35FXL	48	33	34	31	40	14x9x17	100	177.5	139.5	42	100	50	82	41	100	M10x13	M8	13	13	M6x12	M6x8	P5	12	10	16.4	27.7	27.7	102.5	224	4047	4695	4695	3100	5800	HRR 35FXL

LRR FN/FL/FXL...C Series (Ball chain type)

LRR 35FN	44	33	34	31	40	14x9x17	100	122	84	38	62	-	82	41	52	M10x9	M8	9	9	M6x12	M6x8	P5	12	6	12.4	19	19	71.3	133	2350	1710	1710	1550	5800	LRR 35FN
LRR 35FL	44	33	34	31	40	14x9x17	100	147.5	109.5	38	62	-	82	41	52	M10x9	M8	9	9	M6x12	M6x8	P5	12	6	12.4	31.7	31.7	86.1	175	3133	2881	2881	2200	5800	LRR 35FL
LRR 35FXL	44	33	34	31	40	14x9x17	100	177.5	139.5	38	100	50	82	41	100	M10x9	M8	9	9	M6x12	M6x8	P5	12	6	12.4	27.7	27.7	102.5	224	4047	4695	4695	2800	5800	LRR 35FXL

1. N2 = Injecting holes 2. N3 = O-ring size for lubrication from above
3. N2 N3 will be seal before shipmant, open it when using product.



The dynamic load rating value with ball chain Ccage is the measured value. The above static load rating and the static moment are calculated according to the ISO 14728 standard.