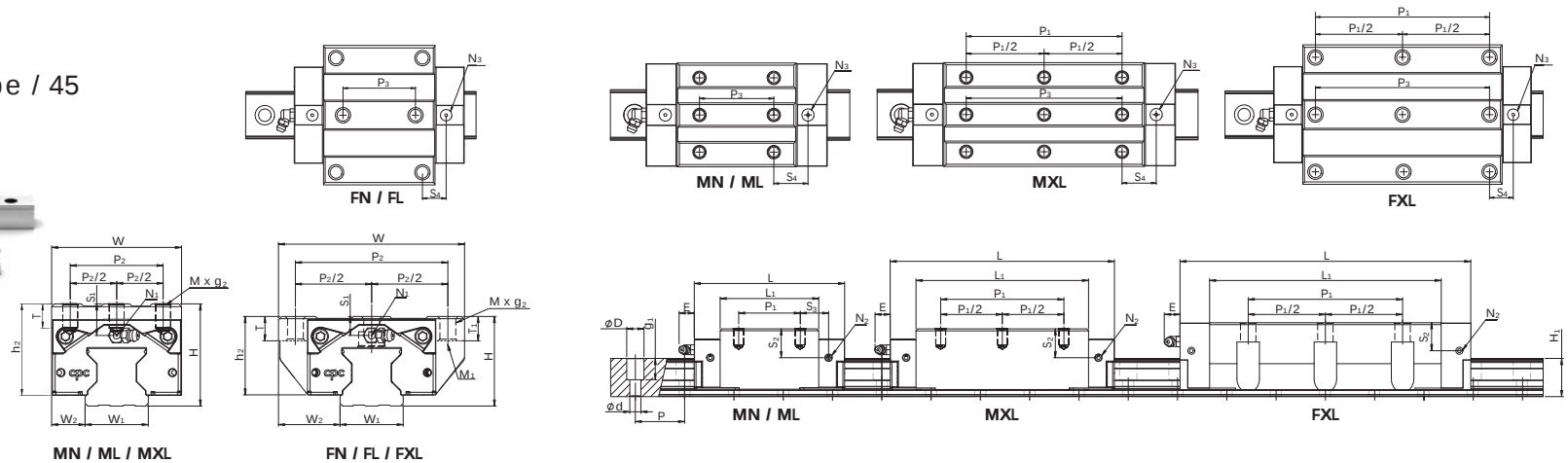


Dimensions Table

Roller type / 45



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	W ₂	W ₁	H ₁	P	D x d x g ₁	W	L	L ₁	h ₂	P ₁	P ₁ /2	P ₂	P ₂ /2	P ₃	M x G ₂	M ₁	T	T ₁	N ₁	N ₂	N ₃	E	S ₁	S ₂	S ₃	S ₄	C _{ISO 100km}	C ₀	M _{R0}	M _{P0}	M _{Y0}	Block(g)	Rail(g/m)	
ARR 45MN	60	20.5	45	38	52.5	20x14x17	86	156	110	52	60	-	60	30	60	M10x17	-	13	-	M6x12	M6x8	P5	12	14.6	21.8	39.2	36	95.9	255	6350	4450	4450	2600	10000	ARR 45MN
ARR 45ML	60	20.5	45	38	52.5	20x14x17	86	191	145	52	80	-	60	30	80	M10x17	-	13	-	M6x12	M6x8	P5	12	14.6	21.8	46.7	43.5	118	333	8450	7700	7700	3350	10000	ARR 45ML

HRR MN/ML/MXL Series

HRR 45MN	70	20.5	45	38	52.5	20x14x17	86	156	110	62	60	-	60	30	60	M10x20	-	13	-	M6x12	M6x8	P5	12	24.6	31.8	39.2	36	95.9	255	6350	4450	4450	3400	10000	HRR 45MN
HRR 45ML	70	20.5	45	38	52.5	20x14x17	86	191	145	62	80	-	60	30	80	M10x20	-	13	-	M6x12	M6x8	P5	12	24.6	31.8	46.7	43.5	118	333	8450	7700	7700	4300	10000	HRR 45ML
HRR 45MXL	70	20.5	45	38	52.5	20x14x17	86	226	180	62	120	60	60	30	120	M10x20	-	13	-	M6x12	M6x8	P5	12	24.6	31.8	44.2	41	138	410	10550	11800	11800	5200	10000	HRR 45MXL

LRR MN/ML/MXL Series

LRR 45MN	52	20.5	45	38	52.5	20x14x17	86	156	110	44	60	-	60	30	60	M10x11	-	10	-	M6x12	M6x8	P5	12	6.6	13.8	39.2	36	95.9	255	6350	4450	4450	2100	10000	LRR 45MN
LRR 45ML	52	20.5	45	38	52.5	20x14x17	86	191	145	44	80	-	60	30	80	M10x11	-	10	-	M6x12	M6x8	P5	12	6.6	13.8	46.7	43.5	118	333	8450	7700	7700	2700	10000	LRR 45ML
LRR 45MXL	52	20.5	45	38	52.5	20x14x17	86	226	180	44	120	60	60	30	120	M10x11	-	10	-	M6x12	M6x8	P5	12	6.6	13.8	44.2	41	138	410	10550	11800	11800	3200	10000	LRR 45MXL

HRR FN/FL/FXL Series

HRR 45FN	60	37.5	45	38	52.5	20x14x17	120	156	110	52	80	-	100	50	60	M12x15	M10	15	15	M6x12	M6x8	P5	12	14.6	21.8	29.2	26	95.9	255	6350	4450	4450	3600	10000	HRR 45FN
HRR 45FL	60	37.5	45	38	52.5	20x14x17	120	191	145	52	80	-	100	50	60	M12x15	M10	15	15	M6x12	M6x8	P5	12	14.6	21.8	46.7	43.5	118	333	8450	7700	7700	4700	10000	HRR 45FL
HRR 45FXL	60	37.5	45	38	52.5	20x14x17	120	226	180	52	120	60	100	50	120	M12x15	M10	15	15	M6x12	M6x8	P5	12	14.6	21.8	44.2	41	138	410	10550	11800	11800	5750	10000	HRR 45FXL

LRR FN/FL/FXL Series

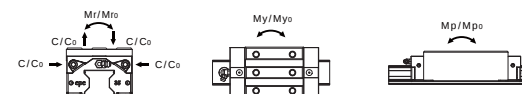
LRR 45FN	52	37.5	45	38	52.5	20x14x17	120	156	110	44	80	-	100	50	60	M12x15	M10	10	15	M6x12	M6x8	P5	12	6.6	13.8	29.2	26	95.9	255	6350	4450	4450	2900	10000	LRR 45FN
LRR 45FL	52	37.5	45	38	52.5	20x14x17	120	191	145	44	80	-	100	50	60	M12x15	M10	10	15	M6x12	M6x8	P5	12	6.6	13.8	46.7	43.5	118	333	8450	7700	7700	3800	10000	LRR 45FL
LRR 45FXL	52	37.5	45	38	52.5	20x14x17	120	226	180	44	120	60	100	50	120	M12x15	M10	10	15	M6x12	M6x8	P5	12	6.6	13.8	44.2	41	138	410	10550	11800	11800	4500	10000	LRR 45FXL

1. The load capacity is measured for the full-ball type (without ball chain)

2. N₂ = Injecting holes

3. N₂ = O-ring size for lubrication from above

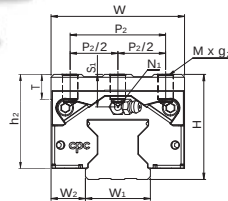
4. N₂ N₃ will be sealed before shipment, please open it when first using the product.



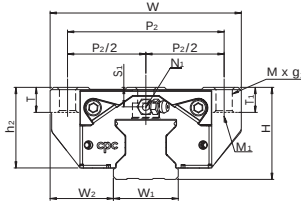
The above rating load capacities and static moments are calculated according to the ISO14728 standard. The rating life for basic dynamic load ratings is defined as the total 100km travel distance for 90% of a group of identical linear guides, under the same conditions and free from any material damage caused by rolling fatigue. If a standard of 50km travel distance is applied to measure the average product lifespan, the above basic dynamic load rating C should be multiplied by 1.26 for an accurate conversion.

Dimensions Table

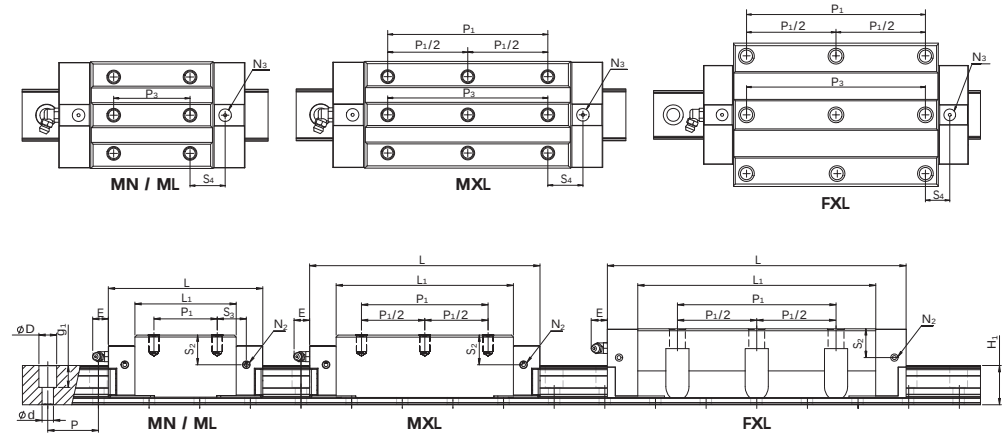
Roller type / 45 (Ball chain type)



MN / ML / MXL



FN / FL / FXL



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	W ₂	W ₁	H ₁	P	D x d x g ₁	W	L	L ₁	h ₂	P ₁	P ₁ /2	P ₂	P ₂ /2	P ₃	M x g ₂	M ₁	T	T ₁	N ₁	N ₂	N ₃	E	S ₁	S ₂	S ₃	S ₄	C _{cage 100km}	C ₀	M _{r0}	M _{p0}	M _{y0}	Block(g)	Rail(g/m)	
ARR 45MN	60	20.5	45	38	52.5	20x14x17	86	156	110	52	60	-	60	30	60	M10x17	-	13	-	M6x12	M6x8	P5	12	14.6	21.8	39.2	36	120	222	5750	4050	4050	2600	10000	ARR 45MN
ARR 45ML	60	20.5	45	38	52.5	20x14x17	86	191	145	52	80	-	60	30	80	M10x17	-	13	-	M6x12	M6x8	P5	12	14.6	21.8	46.7	43.5	147.5	288	7550	6900	6900	3350	10000	ARR 45ML

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

HRR 45MN	70	20.5	45	38	52.5	20x14x17	86	156	110	62	60	-	60	30	60	M10x20	-	13	-	M6x12	M6x8	P5	12	24.6	31.8	39.2	36	120	222	5750	4050	4050	3400	10000	HRR 45MN
HRR 45ML	70	20.5	45	38	52.5	20x14x17	86	191	145	62	80	-	60	30	80	M10x20	-	13	-	M6x12	M6x8	P5	12	24.6	31.8	46.7	43.5	147.5	288	7550	6900	6900	4300	10000	HRR 45ML
HRR 45MXL	70	20.5	45	38	52.5	20x14x17	86	226	180	62	120	60	60	30	120	M10x20	-	13	-	M6x12	M6x8	P5	12	24.6	31.8	44.2	41	172.5	366	9650	10850	10850	5200	10000	HRR 45MXL

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

LRR 45MN	52	20.5	45	38	52.5	20x14x17	86	156	110	44	60	-	60	30	60	M10x11	-	10	-	M6x12	M6x8	P5	12	6.6	13.8	39.2	36	120	222	5750	4050	4050	2100	10000	LRR 45MN
LRR 45ML	52	20.5	45	38	52.5	20x14x17	86	191	145	44	80	-	60	30	80	M10x11	-	10	-	M6x12	M6x8	P5	12	6.6	13.8	46.7	43.5	147.5	288	7550	6900	6900	2700	10000	LRR 45ML
LRR 45MXL	52	20.5	45	38	52.5	20x14x17	86	226	180	44	120	60	60	30	120	M10x11	-	10	-	M6x12	M6x8	P5	12	6.6	13.8	44.2	41	172.5	366	9650	10850	10850	3200	10000	LRR 45MXL

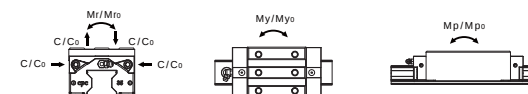
HRR FN/FL/FXL...C Series (Ball chain type)

HRR 45FN	60	37.5	45	38	52.5	20x14x17	120	156	110	52	80	-	100	50	60	M12x15	M10	15	15	M6x12	M6x8	P5	12	14.6	21.8	29.2	26	120	222	5750	4050	4050	3600	10000	HRR 45FN
HRR 45FL	60	37.5	45	38	52.5	20x14x17	120	191	145	52	80	-	100	50	60	M12x15	M10	15	15	M6x12	M6x8	P5	12	14.6	21.8	46.7	43.5	147.5	288	7550	6900	6900	4700	10000	HRR 45FL
HRR 45FXL	60	37.5	45	38	52.5	20x14x17	120	226	180	52	120	60	100	50	120	M12x15	M10	15	15	M6x12	M6x8	P5	12	14.6	21.8	44.2	41	172.5	366	9650	10850	10850	5750	10000	HRR 45FXL

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

LRR 45FN	52	37.5	45	38	52.5	20x14x17	120	156	110	44	80	-	100	50	60	M12x15	M10	10	15	M6x12	M6x8	P5	12	6.6	13.8	29.2	26	120	222	5750	4050	4050	2900	10000	LRR 45FN
LRR 45FL	52	37.5	45	38	52.5	20x14x17	120	191	145	44	80	-	100	50	60	M12x15	M10	10	15	M6x12	M6x8	P5	12	6.6	13.8	46.7	43.5	147.5	288	7550	6900	6900	3800	10000	LRR 45FL
LRR 45FXL	52	37.5	45	38	52.5	20x14x17	120	226	180	44	120	60	100	50	120	M12x15	M10	10	15	M6x12	M6x8	P5	12	6.6	13.8	44.2	41	172.5	366	9650	10850	10850	4500	10000	LRR 45FXL

- N2 = Injecting holes
- N3 = O-ring size for lubrication from above
- N2, N3 will be sealed before shipment, please open it when first using the product.



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