HRC FL

Long flanged type block with standard height, with or without ball chain. HRC55FL is without ball chain.

For high load applications or any application where severe chock-loads may occur, the standard version offers better safety margins by its higher static limit (C0). For light to medium loads where a very long lifetime is required, the ball-cage will show superior life span and reliability.

Please note that ball chain versions must never be used for linear speeds exceeding 3 m/s!

Size 20 – 55 delivered with angled standard nipple.

Lubrications injections ports on the block:
N1: Front of the block. All blocks are delivered with front mounted standard grease nipple.
N2: Side of the block. The side lubrication injection port is sealed on delivery to prevent leakage of lubrication.
N3: Top of the block with an O-ring seal. The top lubrication injection port is sealed on delivery to prevent leakage of lubrication.

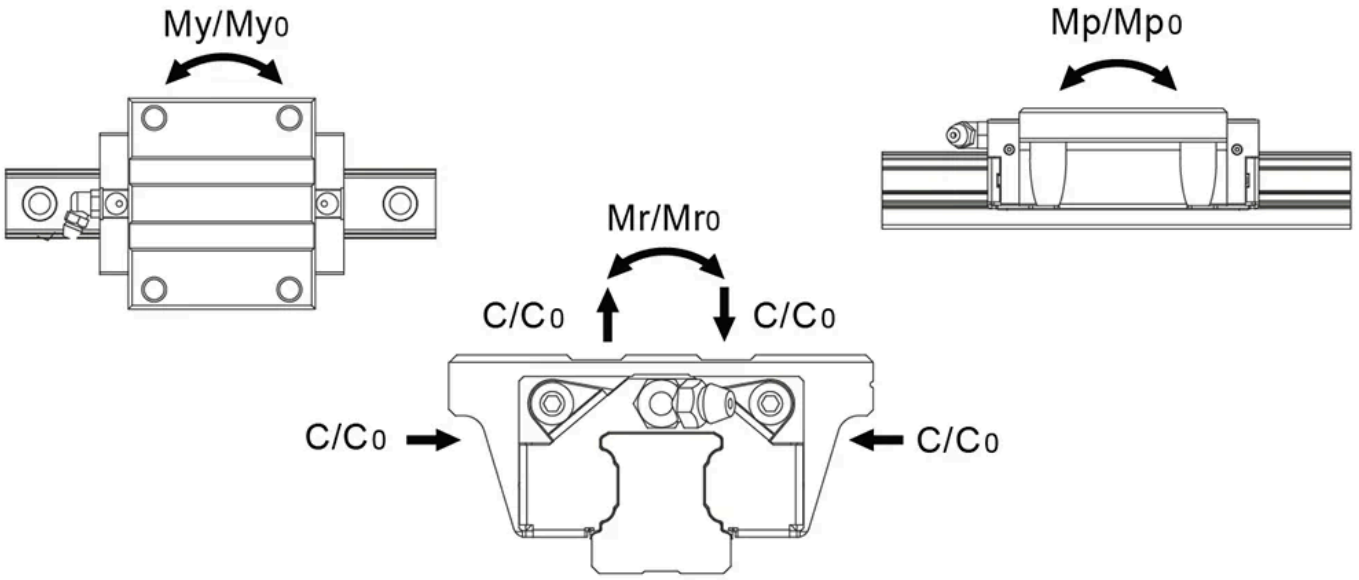
Dimensions in mm.

Lead times in the table below are only indications. Choice of preload, accuracy class and other options will affect lead time. Please contact us for exact delivery time for your request.

For more information about calculation of life, load rating and static moment see Technical information.

Every care has been taken to ensure the accuracy of the information in this document, but we take no liability for any errors or omissions. We reserve the right to make changes without prior notice.

General Data



Designation	Remark	Dynamic Load Capacity C (N)	Static Load Capacity C0 (N)	Static Moment Mp0 (Nm)	Static Moment Mr0 (Nm)
HRC20FL	-	20400	38500	390	415
HRC25FL	-	30700	57700	710	735
HRC30FL	-	39600	70200	950	1105
HRC35FL	-	54700	106500	1755	2185
HRC45FL	-	89500	169100	3460	4430
HRC55FL	No ball chain	147000	226000	5284	6472

Designation	Static Moment My0 (Nm)	Dynamic Moment Mr (Nm)	Dynamic Moment Mp (Nm)	Dynamic Moment My (Nm)	Weight Block (g)
HRC20FL	390	220	207	207	504
HRC25FL	710	391	378	378	870
HRC30FL	950	623	536	536	1385
HRC35FL	1755	1122	901	901	2000
HRC45FL	3460	2345	1831	1831	4280
HRC55FL	5284	4210	3437	3437	6963

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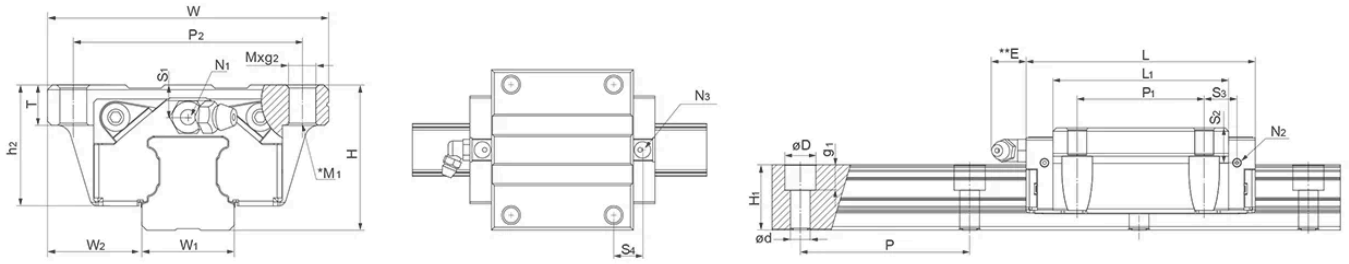
Dimensions



*M1: Bolt size for bottom mounting type of block
**E: Size 15 delivered with straight standard nipple.
Size 20 – 55 delivered with angled standard nipple.

Designation	L	H	W	L1	H1	h2	W1	W2	S1
HRC20FL	87.2	30	63	70.2	20	25	20	21.5	6
HRC25FL	105	36	70	86	23	30	23	23.5	8
HRC30FL	118	42	90	94	27	35.2	28	31	8
HRC35FL	136.6	48	100	111.6	32	40.4	34	33	7.5
HRC45FL	171.5	60	120	138.5	39	50.7	45	37.5	11.1
HRC55FL	202	70	140	160	45.7	58	53	43.5	13.5

Designation	S2	S3	S4	E	T	N1	N2	N3	M x g2	M1
HRC20FL	9.4	18.1	18.8	10	10	M3x7.5	M3x5.5	P4	M6x10	M5
HRC25FL	12.3	23.5	24.5	12	16	M6x7.5	M3x6.5	P4	M8x12	M6
HRC30FL	12	25.7	25.8	12	12	M6x8.5	M6x5	P5	M10x15	M8
HRC35FL	15	30.1	30.8	12	16	M6x10	M6x7	P5	M10x15	M8
HRC45FL	18.1	35	35	14	19	PTI/8x12.5	M6x10.5	P5	M12x18	M10
HRC55FL	23.5	41.5	40.5	12	18	M6x10	M6x13	P5	M14x18	M12

Designation	D x d x g1	P1	P2	Hole Pitch (P)
HRC20FL	9.5 x 6 x 8.5	40	53	60
HRC25FL	11 x 7 x 9	45	57	60
HRC30FL	14 x 9 x 12	52	72	80
HRC35FL	14 x 9 x 12	62	82	80
HRC45FL	20 x 14 x 17	80	100	105
HRC55FL	24 x 16 x 20	95	116	120

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