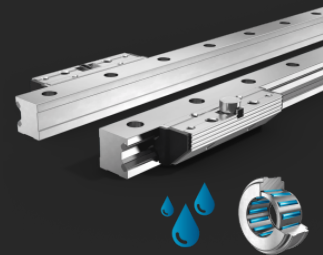


Linear guides Type FDC-R

Pair of single rails and

Pair of Roller Shoes

Non-corrosive



FDC aluminum roller guides are insensitive to harsh environmental conditions.

Description

Franke FDC linear guides are equipped with very quiet, smooth-running, high-quality needle bearings and are made almost entirely of lightweight aluminum. Inlaid raceways made of corrosion-resistant steel make them insensitive to environmental influences as well as moisture or cleaning agents. Rail elements can be manufactured in a length of 200 mm to 4000 mm and, on request, can also be linked endlessly.

Characteristics

Rollers	Needle bearing
Raceway	NIRO steel

Properties

Resilience	● ● ● ●
Dynamics	● ● ● ●
Corrosion resistant	● ● ● ● ●
Non magnetic	●
Lubricant free	●
Price	● ●

Technical data

Stroke length

One piece from 200 mm to 4000 mm, connectable on request

Material

Cassette plate, roller shoes,
 Rail body: aluminum, anodized
 Raceways: corrosion resistant steel
 Rollers: corrosion resistant bearing steel

Operating temperature

-20 °C to +80 °C

Maximum speed

10 m/s

Maximum acceleration

40 m/s²

Mounting position

Any

Lubricant

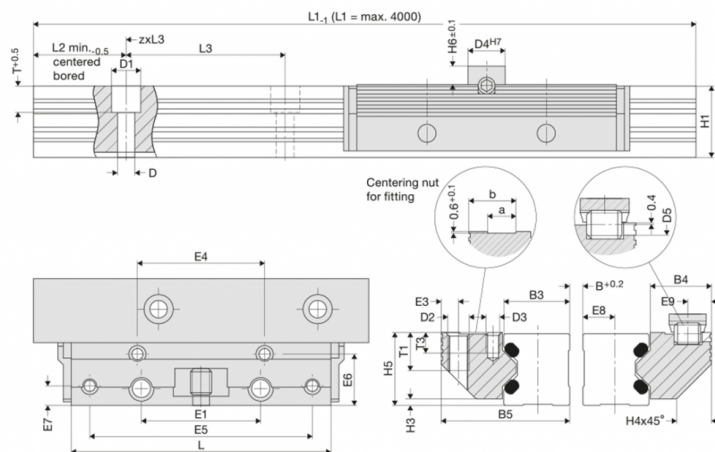
Lifetime-lubricated, maintenance-free

Linear guides Type FDC-R
Pair of single rails and
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Innovation in Motion



Data tables



FDC-R

Size	Dimensions mm														
	L	B5	H5	B3	B4	D3	D	D1	D2	D4	D5	E1	E3	E4	E5
12	64	24,4	15,0	12,00	11,9	M 3	3,4	6	M 4	8	3	25	3,4	29	57
15	78	30,9	19,0	15,25	15,2	M 4	4,5	8	M 5	10	4	30	4,4	34	68
20	92	40,9	23,0	20,00	20,4	M 5	5,5	10	M 6	10	4	40	4,9	42	80
25	98	48,4	27,5	25,00	22,9	M 5	6,6	11	M 8	14	6	45	6,4	48	84
35	135	68,9	37,5	35,00	32,9	M 6	9,0	15	M10	14	6	62	8,9	67	117
45	165	82,4	46,5	45,00	36,4	M 8	11,0	18	M12	14	6	80	9,9	83	146

FDC-R

Size	Dimensions mm												
	E6	E7	E8	E9	H1	H3	H4	H6	L3	T	T3	a	b
12	9,7	3,4	5,5	4,9	14,7	1,4	5,5	4	40	5,5	6,0	4,5	9,5
15	12,4	4,9	7,0	5,9	18,7	2,0	8,0	5	60	6,0	7,5	5,0	12,5
20	16,9	5,9	9,5	5,9	22,6	2,0	11,0	5	60	8,0	8,0	7,5	16,0
25	19,4	7,4	12,0	8,9	27,0	2,5	13,0	7	60	10,0	5,0	10,5	17,5
35	28,4	8,9	17,0	8,9	37,0	3,5	20,0	7	80	11,5	8,5	12,5	26,0
45	30,9	9,9	22,0	8,9	46,0	4,0	22,0	7	105	14,5	9,5	15,5	31,0

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Basic load ratings, weight, length

Size	Load ratings N		Moment capacities pair of roller shoes Nm				Weight kg		Order no.	Delivery time*	
	C	C ₀	M _{0cx}	M _{cx}	M _{0cy} /M _{0cz}	M _{cy} /M _{cz}	PRS	Rail/m			
12	1100	1200	0,6 (B+30,3)	0,6 (B+30,3)	17	16	0,07	0,40	84495AN	up to 50 pcs. 1 week	
15	2700	3000	1,5 (B+36,5)	1,4 (B+36,5)	52	46	0,12	0,80	84395AN	up to 50 pcs. 1 week	
20	4300	5000	2,5 (B+47,0)	2,2 (B+47,0)	103	89	0,23	1,20	84442AN	up to 50 pcs. 1 week	
25	5800	8300	4,2 (B+58,4)	2,9 (B+58,4)	184	128	0,35	1,80	84367AN	up to 50 pcs. 1 week	
35	10000	14500	7,3 (B+85,0)	5,0 (B+85,0)	452	312	1,00	3,10	84368AN	up to 50 pcs. 1 week	
45	17000	20400	10,2 (B+109,0)	8,5 (B+109,0)	774	645	1,80	5,00	84369AN	up to 50 pcs. 1 week	

* Prices and delivery times are ex works Germany and are subject to change without notice. In other countries, prices and delivery times may vary due to different taxes, duties, charges and fees.
For actual sales prices and delivery conditions in your country, please contact our local representative.

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