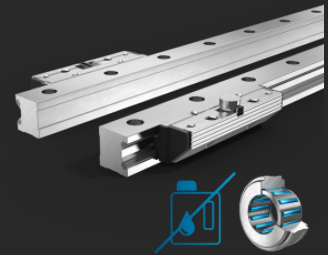


Linear Guides Type FDE-R

Pair of single rails and

Pair of Roller Shoes

Lubricant free



Aluminum roller guides of type FDE are equipped with lubricant-free and needle-bearing rollers.

Description

Franke FDE linear guides are equipped with lubricant-free, high-quality needle bearings and are made almost entirely of lightweight aluminum. They are suitable for linear motion tasks in almost all industries, especially for use in food production or in clean rooms. Rail elements can be manufactured in a length of 200 mm to 4000 mm and, on request, can also be linked endlessly.

Characteristics

Rollers	Lubricant-free needle bearings
Raceway	Spring steel, standard

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: spring steel
 Rollers: bearing steel

Operating temperature

-20 °C to +80 °C

Maximum speed

1 m/s

Maximum acceleration

40 m/s²

Mounting position

Any

Lubricant

Lubricant free, maintenance free

Linear Guides Type FDE-R

Pair of single rails and

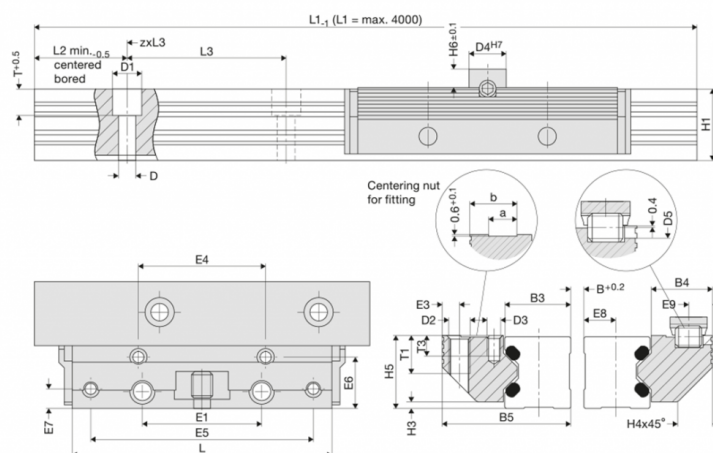
Pair of Roller Shoes

Lubricant free

Innovation in Motion



Data tables



FDE-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

FDE-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	7,0	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

Linear Guides Type FDE-R

Pair of single rails and

Pair of Roller Shoes

Lubricant free

Innovation in Motion



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	350	400	0,20 (B+30,3)	0,20 (B+30,3)	6	5	0,07	0,40	84495T	up to 10 pcs. 2 weeks	
15	600	700	0,35 (B+36,5)	0,30 (B+36,5)	12	10	0,12	0,80	84395T	up to 10 pcs. 1 week	
20	700	900	0,40 (B+47,0)	0,33 (B+47,0)	17	14	0,23	1,20	84442T	up to 10 pcs. 1 week	
25	1200	1600	0,80 (B+58,4)	0,60 (B+58,4)	35	25	0,35	1,80	84367T	up to 10 pcs. 1 week	
35	2000	2500	1,20 (B+85,0)	0,90 (B+85,0)	76	58	1,00	3,10	84368T	up to 10 pcs. 1 week	
45	4400	5500	2,70 (B+109,0)	2,20 (B+109,0)	210	170	1,80	5,00	84369T	up to 10 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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