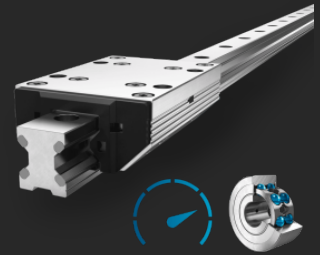


Linear guide type FDH-K

Double rail and cassette

Highly dynamic



Aluminum roller guides of type FDH convince with their particularly quick response and smooth running even at high acceleration.

Description

Franke FDH linear guides are suitable for linear movement tasks, especially in dynamic pick-&-place applications. They have rollers with angular contact ball bearings for the highest acceleration and speed values, for example when using linear motors as the drive source. Rail elements can be manufactured in a length of 200 mm to 4000 mm and, on request, can also be linked endlessly.

Characteristics

Rollers	Angular contact ball 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

10 m/s

Maximum acceleration

100 m/s²

Mounting position

Any

Lubricant

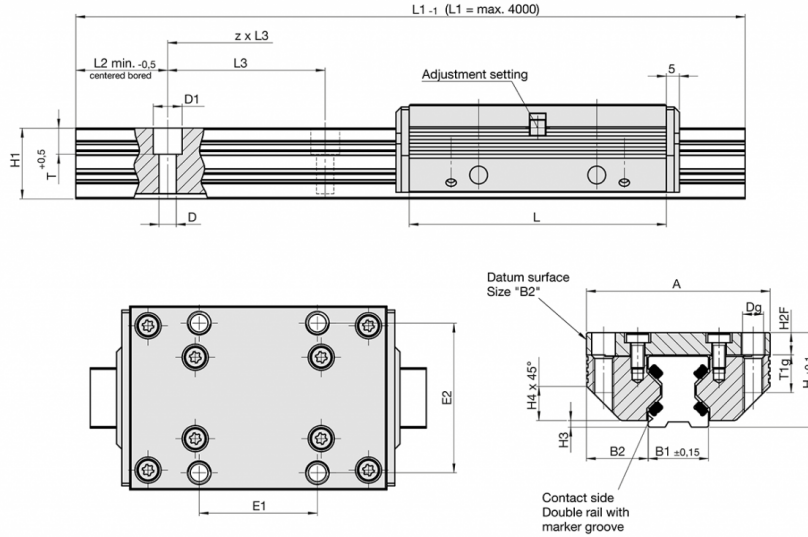
Lifetime-lubricated, maintenance-free

Linear guide type FDH-K

Double rail and cassette

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Data tables



FDH-K

Size	Dimensions mm								
	A	L	H	B1	B2	D	D1	Dg	E1
25	70	98	36	23,00	23,50	6,6	11	M 8	45
35	100	135	48	32,00	34,00	9,0	15	M 10	62
45	120	165	60	45,00	37,50	11,0	18	M 12	80

FDH-K

Size	Dimensions mm								
	E2	H1	H2F	H3	H4	L2	L3	T	T1g
25	57	27,0	8,5	2,5	13,0	10	60	10,0	16
35	82	37,0	10,5	3,5	20,0	12	80	11,5	20
45	100	46,0	13,5	4,0	22,0	16	105	14,5	24

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Innovation in Motion



Basic load ratings, weight, length

Size	Load ratings N		Moment capacities cassette Nm				Weight kg		Order no.
	C	C ₀	M _{0cx}	M _{cx}	M _{0cy} /M _{0cz}	M _{cy} /M _{cz}	Cassette	Rail/m	
25	7500	3700	58,0	118,0	81,0	165,0	0,50	1,60	84363S
35	13400	8100	189,0	315,0	250,0	416,0	1,40	2,60	84364S
45	24300	14400	461,0	777,0	548,0	924,0	2,50	4,50	84365S

Contact

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