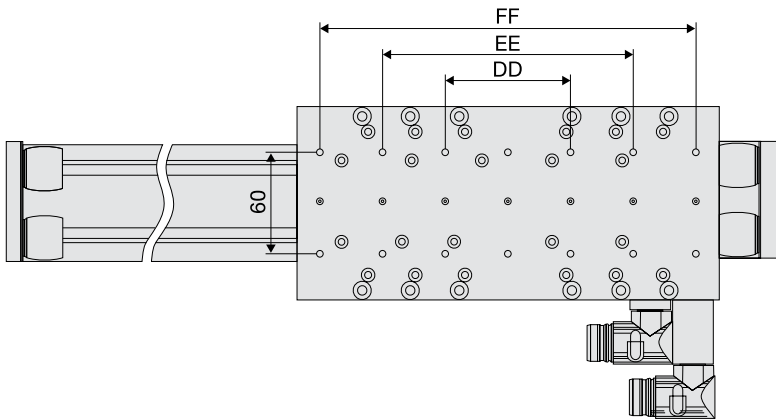
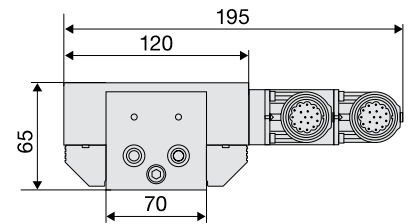
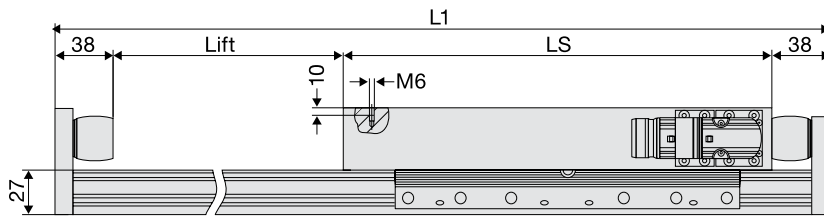


Linear Motor Modules

Type FTH



FTH25A / FTH25B

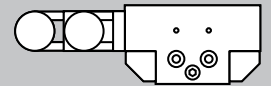


Performance overview / designs

		FTH25A	FTH25B	Optional
Max. speed	m/s	9	4.5	
Max. acceleration	m/s ²	100	100	
Max. traverse path	mm	3625	3530	longer traverse paths on request
Weight rail	kg/m	6	6	
Weight slide bed	kg	3	5	second slide bed
Power continuous	N	61	115	
Power peak	N	162	323	
Positioning accuracy*	mm/m	0.02	0.02	
Run accuracy	mm/m	0.04	0.04	
Repeat accuracy (resolution)	mm	0.02	0.02	
Input voltage U _{dc}	V	310	310	
Continuous current I _{nc}	A	2.1	2.1	
Peak current I _{peak}	A	6	6	
Coil resistance R _{u-v}		3.8	7.6	
Coil inductance L _{u-v}	mH	20.4	40.7	
Width of pole pair	mm	24	24	
Temperature sensor	KTY81 (2000 Ohm/25 °C)			
Measuring system	1 Vpp (Auflösung 1 µm, Teilung 1 mm)			
End switch	-	2 end positions / 1 reference (PNP-Ö, PNP-S)		
Brakes	-	pneumatic		
Cover	-	bellows		
Cable drag chain	-	plastic / metal		

Special designs (e. g. water cooling, extended slide beds for greater loads, 2 slide beds etc.) on request.

Materials



	Body material	Balls	Wipers	Cable
Standard	High-strength, anodized aluminium, steel raceways	Antifriction bearing steel 100Cr6	Plastic plate with felt wiper	
Special	Corrosion-resistant raceways	Corrosion-resistant rollers		Servoflex, drag chain-suitable up to 100 m/s ² , highly flexible

Dimensions

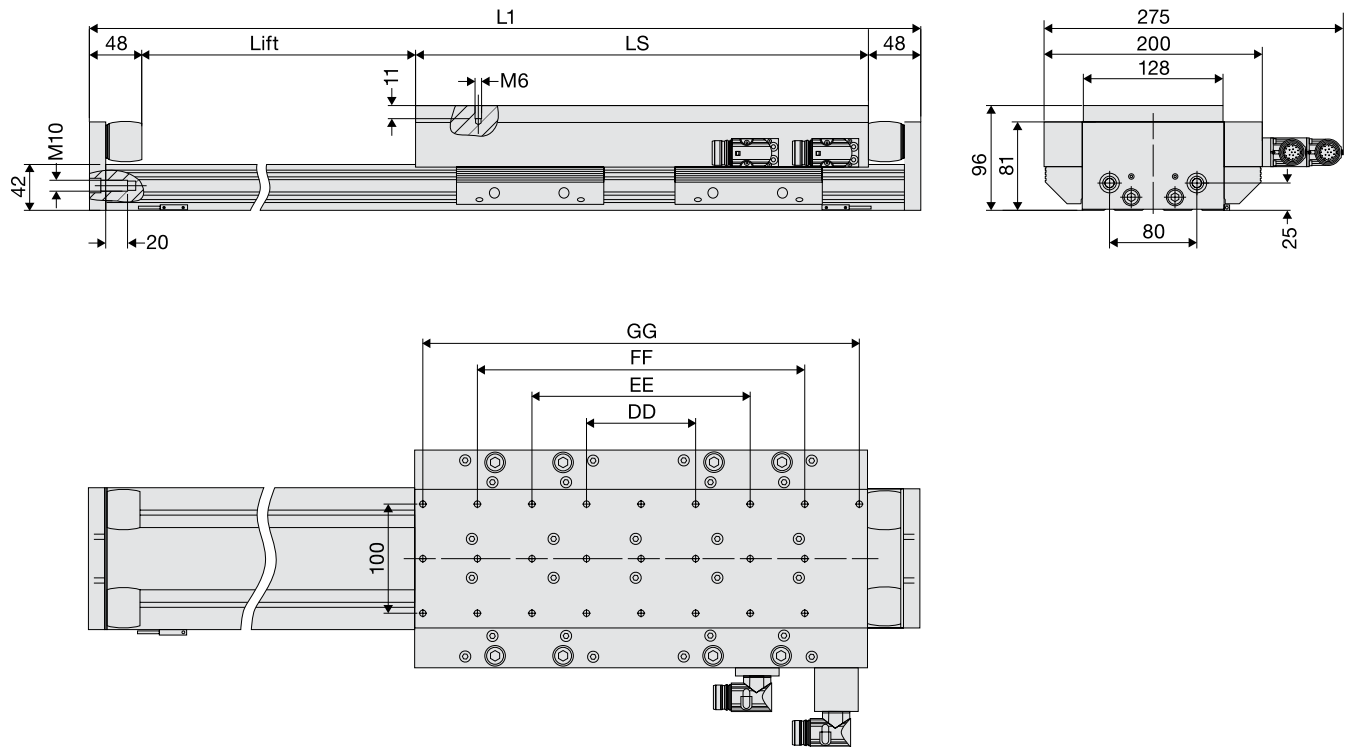
Stroke	Load ratings		Torque				Dimensions				Order no.	
	N		Nm				mm					
	C	Co	Mcx	Mcy, Mcz	Mox	Moy, Moz	L1	LS	DD	EE	FF	
FTH25A												
265	7500	3700	293	165	145	82	506	165	75	150	-	93220A
505	7500	3700	293	165	145	82	746	165	75	150	-	93221A
745	7500	3700	293	165	145	82	986	165	75	150	-	93222A
985	7500	3700	293	165	145	82	1226	165	75	150	-	93223A
1225	7500	3700	293	165	145	82	1466	165	75	150	-	93224A
1465	7500	3700	293	165	145	82	1706	165	75	150	-	93225A
1705	7500	3700	293	165	145	82	1946	165	75	150	-	93226A
1945	7500	3700	293	165	145	82	2186	165	75	150	-	93227A
2185	7500	3700	293	165	145	82	2426	165	75	150	-	93228A
2425	7500	3700	293	165	145	82	2666	165	75	150	-	93229A
2665	7500	3700	293	165	145	82	2906	165	75	150	-	93230A
2905	7500	3700	293	165	145	82	3146	165	75	150	-	93231A
3145	7500	3700	293	165	145	82	3386	165	75	150	-	93232A
3385	7500	3700	293	165	145	82	3626	165	75	150	-	93233A
3625	7500	3700	293	165	145	82	3866	165	75	150	-	93234A
FTH25B												
170	15000	7400	293	461	145	228	506	260	75	150	225	93235A
410	15000	7400	293	461	145	228	746	260	75	150	225	93236A
650	15000	7400	293	461	145	228	986	260	75	150	225	93237A
890	15000	7400	293	461	145	228	1226	260	75	150	225	93238A
1130	15000	7400	293	461	145	228	1466	260	75	150	225	93239A
1370	15000	7400	293	461	145	228	1706	260	75	150	225	93240A
1610	15000	7400	293	461	145	228	1946	260	75	150	225	93241A
1850	15000	7400	293	461	145	228	2186	260	75	150	225	93242A
2090	15000	7400	293	461	145	228	2426	260	75	150	225	93243A
2330	15000	7400	293	461	145	228	2666	260	75	150	225	93244A
2570	15000	7400	293	461	145	228	2906	260	75	150	225	93245A
2810	15000	7400	293	461	145	228	3146	260	75	150	225	93246A
3050	15000	7400	293	461	145	228	3386	260	75	150	225	93247A
3290	15000	7400	293	461	145	228	3626	260	75	150	225	93248A
3530	15000	7400	293	461	145	228	3866	260	75	150	225	93249A

Linear Motor Modules

Type FTH



FTH35A / FTH35B



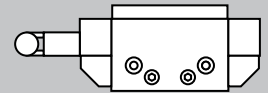
Performance overview / designs

		FTH35A	FTH35B	Optional
Max. speed	m/s	6	6	
Max. acceleration	m/s ²	100	100	
Max. traverse path	mm	3536	3361	longer traverse paths on request
Weight rail	kg/m	10	10	
Weight slide bed	kg	9	16	second slide bed
Power continuous	N	280	560	
Power peak	N	650	1300	
Positioning accuracy*	mm/m	0.02	0.02	
Run accuracy	mm/m	0.04	0.04	
Repeat accuracy (resolution)	mm	0.02	0.02	
Input voltage U _{dc}	V	560	560	
Continuous current I _{nc}	A	2.8	5.7	
Peak current I _{peak}	A	8.0	16.0	
Coil resistance R _{u-v}	Ω	7.4	3.7	
Coil inductance L _{u-v}	mH	55	27	
Width of pole pair	mm	32	32	
Temperature sensor	KTY81 (2,000 Ohm/25 °C)			
Measuring system	1 Vpp (Resolution 1 μm, pitch 1 mm)		absolute measuring system	
End switch	-		2 end positions/1 reference (PNP-Ö, PNP-S)	
Brakes	-		pneumatic	
Cover	-		bellows	
Cable drag chain	-		plastic/metal	

Special designs (e. g. water cooling, extended slide beds for greater loads, 2 slide beds etc.) on request.

Materials

	Body material	Balls	Wipers	Cable
Standard	High-strength, anodized aluminium, steel raceways	Antifriction bearing steel 100Cr6	Plastic plate with felt wiper	
Special	Corrosion-resistant raceways	Corrosion-resistant rollers		Servoflex, drag chain-suitable up to 100 m/s ² , highly flexible



Dimensions

Stroke	Load ratings		Torque				Dimensions						Order no.
	N		Nm				mm						
	C	Co	Mcx	Mcy, Mcz	Mox	Moy, Moz	L1	LS	DD	EE	FF	GG	
FTH35A													
208	29900	34500	1100	1000	1250	1150	544	240	100	200	-	-	92870A
464	29900	34500	1100	1000	1250	1150	800	240	100	200	-	-	92871A
720	29900	34500	1100	1000	1250	1150	1056	240	100	200	-	-	92872A
976	29900	34500	1100	1000	1250	1150	1312	240	100	200	-	-	92873A
1232	29900	34500	1100	1000	1250	1150	1568	240	100	200	-	-	92874A
1488	29900	34500	1100	1000	1250	1150	1824	240	100	200	-	-	92875A
1744	29900	34500	1100	1000	1250	1150	2080	240	100	200	-	-	92876A
2000	29900	34500	1100	1000	1250	1150	2336	240	100	200	-	-	92877A
2256	29900	34500	1100	1000	1250	1150	2592	240	100	200	-	-	92878A
2512	29900	34500	1100	1000	1250	1150	2848	240	100	200	-	-	92879A
2768	29900	34500	1100	1000	1250	1150	3104	240	100	200	-	-	92880A
3024	29900	34500	1100	1000	1250	1150	3360	240	100	200	-	-	92881A
3280	29900	34500	1100	1000	1250	1150	3616	240	100	200	-	-	92882A
3536	29900	34500	1100	1000	1250	1150	3872	240	100	200	-	-	92883A
FTH35B													
289	29900	34500	2150	3000	2500	3450	800	415	100	200	300	400	92884A
545	29900	34500	2150	3000	2500	3450	1056	415	100	200	300	400	92885A
801	29900	34500	2150	3000	2500	3450	1312	415	100	200	300	400	92886A
1057	29900	34500	2150	3000	2500	3450	1568	415	100	200	300	400	92887A
1313	29900	34500	2150	3000	2500	3450	1824	415	100	200	300	400	92888A
1569	29900	34500	2150	3000	2500	3450	2080	415	100	200	300	400	92889A
1825	29900	34500	2150	3000	2500	3450	2336	415	100	200	300	400	92890A
2081	29900	34500	2150	3000	2500	3450	2592	415	100	200	300	400	92891A
2337	29900	34500	2150	3000	2500	3450	2848	415	100	200	300	400	92892A
2593	29900	34500	2150	3000	2500	3450	3104	415	100	200	300	400	92893A
2849	29900	34500	2150	3000	2500	3450	3360	415	100	200	300	400	92894A
3105	29900	34500	2150	3000	2500	3450	3616	415	100	200	300	400	92895A
3361	29900	34500	2150	3000	2500	3450	3872	415	100	200	300	400	92896A

FTH35B is also available as a heavy duty version with double load rating.