

## Linear Direct Drive Type FL1

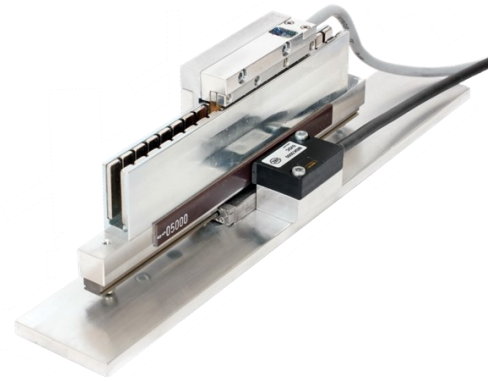
### Description

A highly dynamic linear motor series with high positioning accuracy and the possibility of synchronizing several motors.

- Can be overloaded for up to 5 times the nominal current
- Measuring system with 1µm resolution,

#### Application possibilities:

- Testing machines for small forces and strokes
- Machining machines with high acceleration
- Pick and Place systems



### Typ FL 1-7.5-X-30-23-Y IL

			2	3	4	5	6
<b>Motor Data</b>							
Peak Force	$F_{Max}$	N	26	39	51	64	77
Nominal Force	$F_N$	N	6	9	12	15	19
Maximum Current	$I_{max}$	A	2,5				
Nominal Current	$I_n$	A	0,6				
<b>Design Data</b>							
Length of the primary	$l_p$	mm	63	93	123	153	183
Height of the primary	$h_p$	mm	25				
Mass of the primary	$m_p$	g	47	70	93	117	140
Width of the secondary	$b_s$	mm	12,5				
Height of the secondary	$h_s$	mm	29				
Length of the secondary	$l_s$	mm	75+Hub	105+Hub	135+Hub	165+Hub	195+Hub
Mass of the secondary per 1mm length	$m_s$	g/mm	1,62				

**No forces between primary and secondary section**