

## Voice Coil Drive (VCD)

### Description

A highly dynamic linear motor series with maximum positioning accuracy, the possibility of synchronizing multiple drives and extremely high dynamics due to the low mass of the runner

#### Application Possibilities:

- Drive for hydraulic proportional valves
- Vibration excitation in medical technology
- Vibration dampening for processing in high-precision processes
- Long-term use in material endurance testing



Technical Data					
Type			100N	1000N	5000N
Operating Voltage	$U_{zk}$	V	30	300	300
Peak Force*	$F_{max}$	N	105	1000	5000
Rated Force	$F_{nenn}$	N	70	500	3540
Peak Current	$I_{max}$	A	6,0	7,0	25,0
Rated Current	$I_{max}$	A	4,0	3,5	17,7
Maximum Travel Dis-	$d_{max}$	mm	2,4	6,0	6,0
Length / Width	$l_p / w_p$	mm	53 / 53	180 / 180	380 / 380
Height	$h_s$	mm	135	150	300
Mass Runner / Stator	$M_L / M_s$	kg	0,14 / 1,35	1,0 / 28,0	8,6 / 175,0
Efficiency / Motor	$k_m$	N <sup>2</sup> /	127	2156	22500

\*with 20% Duty Cycle