

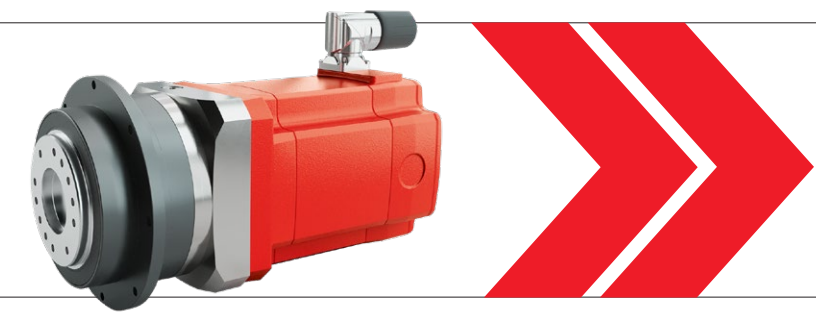
Servo Motor Portfolio

Full compatibility with SEW gear units
Full integration into MOVI-C® automation platform



SERVO MOTORS PORTFOLIO

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ROTARY

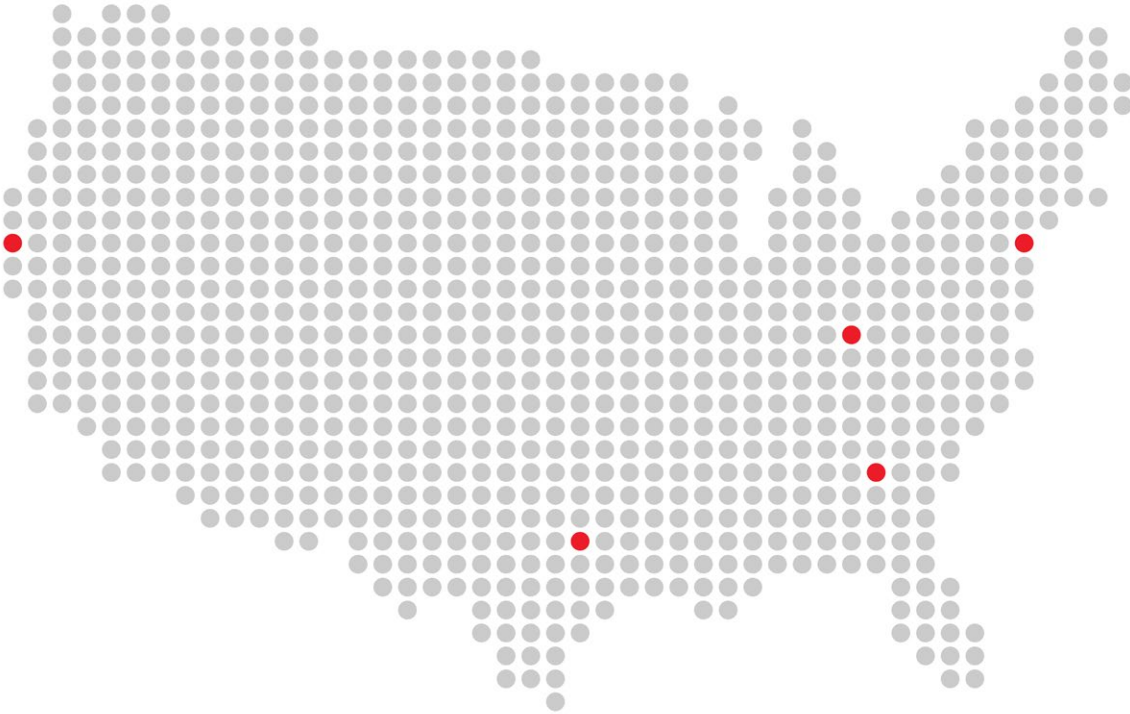
	CMP.. SERIES	CM3C.. SERIES	CMPZ.. SERIES	DRL.. SERIES
Intro	Highly-dynamic servo line	Medium-inertia high performance servo line	Servo line with increased load inertia	Asynchronous servomotor line for a wide range of applications
Size	57 – 190 mm flange square	88 – 163 mm flange square	57 – 163 mm flange square	139 – 394 mm motor housing square
Flange Types	B5 (IEC) fl. for standalone Square fl. for BS/PS/W. Gears Round fl. for 7-series gearing	B5 (IEC) fl. For standalone, Round fl. For 7-series gearing	B5 (IEC) fl. for standalone Square fl. for BS/PS/W. Gears Round fl. for 7-series gearing	IEC flange, mostly integral gearmotors
M₀ Nominal /standstill torques	0.5 – 95 Nm Standstill torque	2.7 – 40 Nm Standstill torque	6.4 – 47 Nm Standstill torque	2.5 -290 Nm Nominal torque
M_{pk} Dynamic limit torque	1.9 – 320 Nm	8.1 – 120 Nm	19.2 – 178.8 Nm	5 – 1,100 Nm Peak torque
Inertia	0.1 – 222 10 ⁻⁴ kgm ² 	1.3 – 92.1 10 ⁻⁴ kgm ² 	9.32 – 100.41 10 ⁻⁴ kgm ² 	4.9 – 4,560 10 ⁻⁴ kgm ²
Speed classes	2000 / 3000 / 4500 / 6000 rpm	2000 / 3000 / 4500 / 6000 rpm	2000 / 3000 / 4500 / 6000 rpm	1200 / 1700 / 2100 / 3000 rpm
Feedback options	Single-turn resolver Multi-turn HIPERFACE Single- and Multi-turn, Incremental and absolute. MOVILINK DDI encoder	Single-turn resolver Multi-turn HIPERFACE Single- and Multi-turn, Incremental and absolute. MOVILINK DDI encoder	Single-turn resolver Multi-turn HIPERFACE Single- and Multi-turn, Incremental and absolute. MOVILINK DDI encoder	Built-in encoder, mount-on encoders Incremental and absolute encoders such as Sin/Cos, TTL, HTL, RS485, SSI
Brake options	CMP40-63: BK (24V DC) CMP71-100: BP (24V DC) CMPZ71-100: BY (24V DC, 110/230/400/460 V AC) Safety brake options	Perm. magnet or spring loaded holding brakes with 24V DC or 110/230/400/460 V AC. Safety brake options	CMPZ71-100: BY (24V DC, 110/230/400/460 V AC) Safety brake options	24V DC, 220-480 V AC. Safety brake options
Connector options	Plug connectors, Single cable connectors, Terminal box	Plug connectors, Single cable connectors, Terminal box	Plug connectors, Single cable connectors, Terminal box	Terminal box, Plug connectors
Protection class	IP65 (optional IP66)	IP65 (optional IP66)	IP65 (optional IP66)	IP54 (optional up to IP65)
Approvals	UL, UR, CSA, CE	UL, UR, CSA, CE	UL, UR, CSA, CE	UL, UR, CSA, CE
Efficiency class		Surpassing IE5		Up to IE3

LINEAR

	CMS	SL2
Intro	Electric cylinder line for high linear dynamics	Linear motor family for highest dynamics
Size	73 - 115 mm flange square	25 – 250 mm magnet width of primary part
Flange Types	Flanged endshield, ball joint head	Loads mounted to passive motor part
M₀ Nominal torque	1.3 – 13.1 Nm Nominal torque	-
M_{pk} Peak torque	5.2 – 25 Nm Peak torque	850 – 45000 Nm one-directional
Inertia	0.79 – 45.3 10 ⁻⁴ kgm ² 	-
Stroke / Speed	60 – 1200 mm stroke length	1 / 3 / 6 m/s
Feedback options	Single-turn resolver Single- and Multi-turn HIPERFACE encoder	Optical, magnetic or inductive linear measuring systems
Brake options	24V DC holding brake	External brake solutions
Connector options	Terminal box, Plug connectors	Plug connectors
Protection class	IP65 (IP45 for CMS71)	IP65
Approvals	UL	
Efficiency class		

DECENTRALIZED

	MOVIMOT PERFORMANCE	CMP ELVCD
Intro	Decentralized drive units consisting of MOVIMOT® inverter and CM3C servomotor	Low-voltage decentralized drive unit (48V) based on CMP motor
Size	138 mm flange square	73 mm flange square
Flange Types	B5 (IEC) fl. For standalone, Round fl. For 7-series gearing	IEC flange
M₀ Nominal torque	3.6 – 9 Nm Nominal torque	0.75 – 1.5 Nm Nominal torque
M_{pk} Nominal torque	10.8 – 27 Nm	3.5 – 4.3 Nm Nominal torque
Inertia	22.9 - 30 10 ⁻⁴ kgm ² 	0.42 – 0.78 10 ⁻⁴ kgm ²
Speed classes	2000 / 3000 / 4500 / 6000 rpm	3000 rpm
Feedback options	Single-turn and Multi-turn MOVILINK DDI encoder	Single-turn resolver Multi-turn HIPERFACE encoder
Brake options	24V DC holding brake	Perm. magnet or spring loaded holding brakes with 24V DC
Connector options	Terminal box, Plug connectors	Plug connectors
Protection class	IP65	IP65
Approvals	UL	UL
Efficiency class	IE5 / IES2	



U.S. locations

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