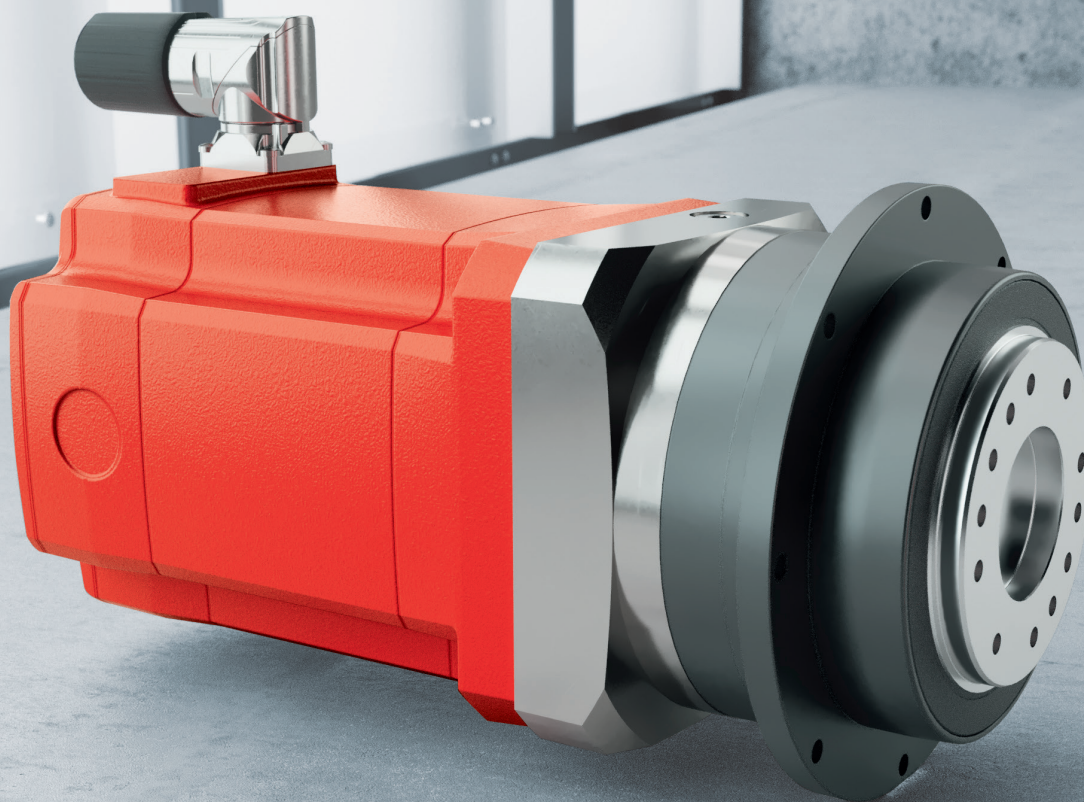


# Servo Gear Portfolio



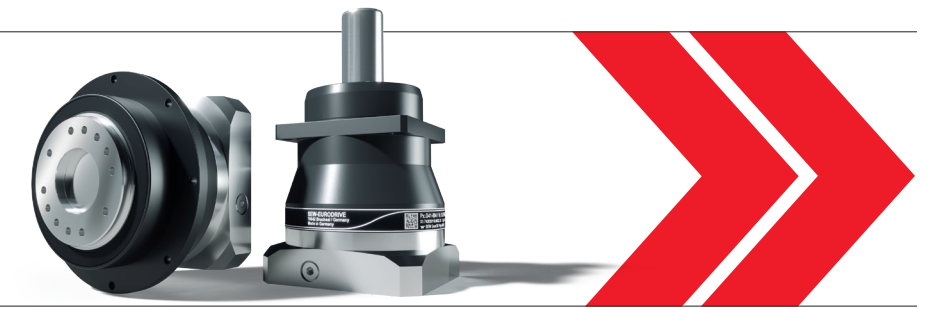
# SERVO GEAR PORTFOLIO

Full compatibility with SEW servomotors.

Wide ranges in torque and ratios for a tailored solution to your application




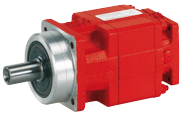






Highest quality products from 5 assembly plants in the USA

Global support for machine builders and end users



## PARALLEL

## RIGHT-ANGLE

	RX.. SERIES	R.. SERIES	F. SERIES	PS.C.. SERIES	PS.F. SERIES	PxG	K.. SERIES	S.. SERIES	W.9.. SERIES	BS.F.. SERIES
<b>Intro</b>										
<b>Technical data</b>	Highly efficient, single-stage helical gear unit in 6 sizes	Two or three stage helical gear unit with finely stepped gear ratios	Parallel-shaft helical gear unit in slim design for limited space	Economical planetary gear unit	Higher precision planetary gear unit	Innovative, highest precision planetary gear unit	Helical-bevel gear unit with high degree of efficiency	Smooth running helical-worm gear unit	Low wear SPIROPLAN lightweight gear unit	Compact low-backlash helical-bevel servo gear unit
<b>Peak torque (Max. acc. torque for PxG)</b>	54 – 1,150 Nm 478 – 10,178 in-lb	46 – 4,360 Nm 407 – 38,589 in-lb	130 – 8,860 Nm 1,151 – 78,418 in-lb	37 - 427 Nm 327 – 3,779 in-lb	26 – 4,200 Nm 230 – 37,173 in-lb	40 - 990 Nm 354 – 8,762 in-lb	187 – 9,090 Nm 1,655 – 80,453 in-lb	60 - 655 Nm 531 – 5,797 in-lb	80 - 600 Nm 708 – 5,310 in-lb	51 – 1,910 Nm 451 – 16,905 in-lb
<b>Max. continuous torque (nom. torque for PxG)</b>	36 - 830 Nm 319 – 7,346 in-lb	31 – 4,300 Nm 274 – 38,058 in-lb	87 – 7,840 Nm 770 – 69,390 in-lb	29 - 347 Nm 257 – 3,071 in-lb	20 – 3,000 Nm 177 – 26,552 in-lb	20 - 790 Nm 177 – 6,992 in-lb	125 – 8,000 Nm 1,106 – 70,806 in-lb	43 - 480 Nm 1381 – 4,248 in-lb	Contact SEW	40 – 1,500 Nm 354 – 14,099 in-lb
<b>Max. input speed</b>	Up to 4,500 rpm	Up to 4,500 rpm	Up to 4,500 rpm	Up to 7,000 rpm	Up to 8,000 rpm	Contact SEW	Up to 4,500 rpm	Up to 4,500 rpm	Up to 4,500 rpm	Up to 4,500 rpm
<b>Peak overhung load (Peak radial force for PxG)</b>	3,970 – 30,000 N 892 – 6,744 lbf	1,220 – 32,100 N 274 – 7,216 lbf	4,500 – 65,000 N 1,012 – 14,613 lbf	2,000 – 11,000 N 450 – 2,473 lbf	1,900 – 83,000 N 427 – 18,659 lbf	1,780 – 16,400 N 400 – 3,687 lbf	5,140 – 65,000 N 1,156 – 14,613 lbf	300 – 12,000 N 67 – 2,698 lbf	3,500 – 8,000 N 787 – 1,798 lbf	2,380 – 36,000 N 535 – 8,093 lbf
<b>Gear ratio range</b>	1.3 – 8.23	3.21 - 216.28	3.77 – 276.77	3 - 100	3 - 100	3 – 550	3.98 – 176.05	6.8 – 75.06	4.68 – 210.49	3 - 40
<b>Backlash</b>	down to 5 arcmin	down to 5 arcmin	down to 5 arcmin	down to 10 arcmin	down to 2 arcmin	down to 1 arcmin	down to 6 arcmin	Contact SEW	down to 10 arcmin	down to 3 arcmin
<b>Mechanical data</b>										
<b>Hollow shaft</b>			✓				✓	✓	✓	✓
<b>Flange-mounting</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Foot-mounting</b>	✓	✓					✓	✓		✓
<b>Flange block</b>						✓				✓
<b>B5 flange</b>	✓	✓	✓	✓	✓	Flexible adapter plate concept	✓	✓	✓	✓
<b>B14 flange</b>		✓	✓	✓			✓	✓		

\*all sizes not currently available.

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