

Interroll

Drum Motor overview



	80S	80i	113S	113i
Technology	Asynchron	Asynchron	Asynchron	Asynchron
Diameter	81.5 mm 3.21"	81.5 mm 3.21"	113.3 mm 4.46"	113.5 mm 4.46"
Gear material	Technopolymer	Steel	Technopolymer	Steel
Rated Power	0.025 to 0.110 kW 0.070 to 0.110 HP	0.033 to 0.120 kW 0.02 to 0.160 HP	0.040 to 0.330 kW 0.050 to 0.440 HP	0.058 to 0.370 kW 0.080 to 0.500 HP
Rated torque	3.4 to 21.4 Nm 23 to 160.3 lbf in	2.3 to 26.8 Nm 16.4 to 196.0 lbf in	5.5 to 43.8 Nm 22.6 to 439.8 lbf in	7.4 to 86.4 Nm 48.3 to 568.7 lbf in
Belt pull*	84 to 925 N 14 to 100 lbf	58 to 657 N 10 to 122 lbf	96 to 772 N 10 to 197 lbf	132 to 1522 N 11 to 356 F/min
Velocity of the shell*	0.049 to 0.913 m/s 24 to 212 F/min	0.100 to 0.980 m/s 11 to 231 F/min	0.068 to 1.107 m/s 16 to 266 F/min	0.048 to 1.515 m/s 11 to 356 F/min
Shell length SL	260 - 952 mm 10.6" to 37.5"	193 to 1093 mm 7.6" to 43.0"	240 to 1090 mm 9.4" to 42.9"	250 to 1400 mm 9.8" to 55.1"
Friction drive belt	√	√	√	√
Positive drive belt	x	√	x	√
Without belt	x	√	x	√

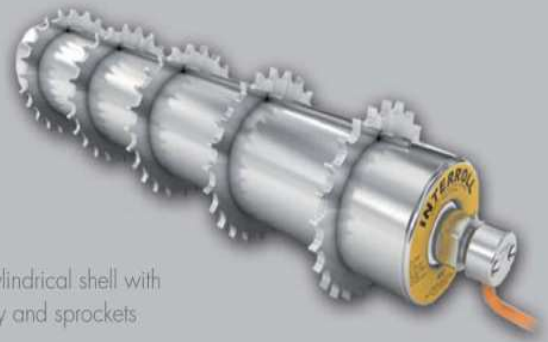
Note: * Values of belt pull and velocity are given for the shown diameter
 For detailed technical data and further information on application guidelines, accessories etc. please visit interroll.com



138i	165i	217i	80D	88D	113D
Asynchron	Asynchron	Asynchron	Synchron	Synchron	Synchron
138.0 mm	164.0 mm	217.5 mm	81.5 mm	88 mm	113.5 mm
5.43"	6.46"	8.56"	3.46"	3.46"	4.47"
Steel	Steel	Steel	Steel	Steel	Steel
0.074 to 1.000 kW	0.306 to 2.200 kW	0.306 to 3.000 kW	0.145 to 0.425 kW	0.145 to 0.425 kW	0.145 to 0.425 kW
0.2 to 1.34 HP	0.5 to 3.0 HP	0.5 to 4.02 HP	0.2 to 0.56 HP	0.2 to 0.56 HP	0.2 to 0.56 HP
14.7 to 174.4 Nm	28.1 to 365.2 Nm	28.1 to 533.60 Nm	1.8 to 60 Nm	1.8 to 60 Nm	1.8 to 60 Nm
108.4 to 1286.1 lbf in	204.2 to 3200.7 lbf in	204.2 to 3931.9 lbf in	91 to 531 lbf in	92 to 531 lbf in	93 to 531 lbf in
216 to 2527 N	347 to 4453 N	261 to 4907 N	43 to 1472 N	39 to 1364 N	31 to 1062 N
40 to 473 lbf	64 to 991 lbf	48 to 918 lbf	57 to 330 lbf	53 to 307 lbf	41 to 239 lbf
0.041 to 2.005 m/s	0.084 to 2.527 m/s	0.126 to 3.344 m/s	0.040 to 1.600 m/s	0.043 to 1.728 m/s	0.055 to 2.219 m/s
16 to 472 F/min	20 to 598 F/min	26.1 to 450 F/min	16 to 315 F/min	16 to 341 F/min	22 to 437 F/min
300 to 1600 mm	400 to 1750 mm	400 to 1750 mm	210 to 900 mm	210 to 600 mm	210 to 900 mm
11.8" to 63.0"	15.7" to 68.9"	15.7" to 68.9"	8.2" to 35.4"	8.2" to 23.6"	8.2" to 35.4"
√	√	√	√	x	√
√	√	√	√	√	√
√	√	√	√	√	√



Hexagon shell with stainless steel sprockets



Cylindrical shell with key and sprockets



Profiled lagging for plastic modular belts



Frictional lagging with groove



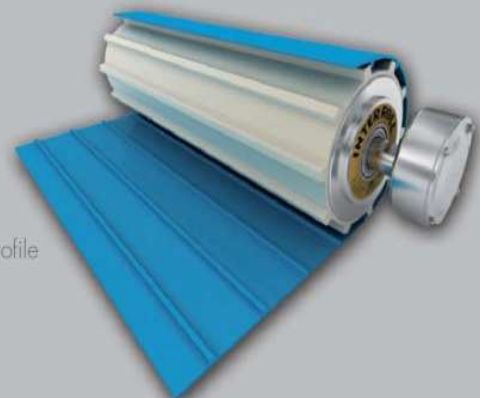
PU rubber coating for form-fit driven belts



Crowned shell



Cylindrical shell



Multiprofile