



## Interroll Drum Motor 80s – Ø 81.5 mm – 3-phase

Motor Power [kW/HP]	No. of poles	Full load current $i_f$ 400 V/50 Hz [A]	Gear stages	Gear ratio $i$	Nominal belt speed at full load and 50 Hz [m/s]	Torque [Nm]	Belt pull [N]	Max. Belt tension $T_1 + T_2$ [N]	Min. roller length RL [mm]
0.04/0.05	4	0.43	3	78.5	0.07	19.7	486	2000	305
				71.6	0.08	17.2	425		
				63.5	0.09	15.3	378		
0.06/0.08	2	0.46	2	19.2	0.30	7.3	180	2000	305
				16.0	0.36	6.1	150		
				13.1	0.44	5.0	123		
0.05/0.068	2	0.22	3	115.2	0.10	17.2	425	2000	280
0.075/0.102	2	0.3	3	96.0	0.12	21.5	531	2000	280
0.085/0.115	2	0.32	3	78.5	0.15	19.5	482	2000	280
				71.6	0.16	18.3	452		
				63.5	0.18	16.3	401		
			52.9	0.22	13.3	328	1500	280	
			48.8	0.24	12.2	301			
			43.3	0.27	10.8	268			
0.085/0.115	2	0.32	2	19.2	0.60	5.2	128	1500	280
				16.0	0.72	4.3	106		
				13.1	0.88	3.5	87		

The maximum allowable belt tension of idler pulleys is always according to the corresponding drum motor values in the tables.

## Standard RL Interroll Drum Motor 80s

Standard weight [kg] for standard roller length RL mm (RL > 962 please contact Interroll) (Weight increases 0.4 kg/50 mm)																	Max. RL
RL	270	280	295	312	362	412	462	512	562	612	662	712	762	812	862	912	962
Weight	4.6	4.7	5.2	5.3	5.7	6.1	6.4	6.8	7.1	7.5	9.9	10	10.8	11.4	12	13	13.1

## Standard RL Interroll Idler Pulley 80s

Standard weight [kg] for standard roller length RL mm (RL > 962 please contact Interroll) (Weight increases by 0.3 kg/50 mm)																	Max. RL
RL	270	280	295	312	362	412	462	512	562	612	662	712	762	812	862	912	962
Weight	2.2	2.3	2.4	2.5	2.9	3.2	3.5	3.8	4.2	4.5	7	7.5	8	8.5	9	9.5	10

Max. Belt tension see Drum Motors min. RL 255



## Interroll Drum Motor 80s – Ø 81.5 mm – 1-phase

Motor		Full load current $i_f$ 230 V/50 Hz [A]	Gear stages	Gear ratio $i$	Nominal belt speed at full load and 50 Hz [m/s]	Torque [Nm]	Belt pull [N]	Max. Belt tension $T_1 + T_2$ [N]	Min. roller length RL [mm]
Power [kW/HP]	No. of poles								
0.025/0.034	4	0.39	3	115.2	0.05	17.2	425	2000	295
				96.0	0.06	14.3	354		
				78.5	0.07	12.3	304		
				71.6	0.08	10.8	266		
			2	19.2	0.30	2.9	75		
				16.0	0.36	2.4	63		
	13.1	0.44	2.0	51					
0.05/0.068	2	0.54	3	115.2	0.10	17.2	425	2000	270
0.075/0.102	2	0.68	3	96.0	0.12	21.5	531	2000	280
0.085/0.115	2	0.7	3	78.5	0.15	19.5	482	2000	295
				71.6	0.16	18.3	452		
				63.5	0.18	16.3	401		
				52.9	0.22	13.3	328		
				48.8	0.24	12.2	301		
				43.3	0.27	10.8	268		
2	19.2	0.60	5.2	128					
	16.0	0.72	4.3	106					
	13.1	0.88	3.5	87					
0.11/0.15	2	0.94	3	63.5	0.18	22.3	519	2000	295
				52.9	0.22	17.2	425		
				48.8	0.24	15.8	390		
				43.3	0.27	14.0	346		
			2	19.2	0.60	6.7	165		
				16.0	0.72	5.6	138		
	13.1	0.88	4.6	113					

The maximum allowable belt tension of idler pulleys is always according to the corresponding drum motor values in the tables.