

Flat Belts

Standard Belt Thickness 1mm Nominal

The flat belts are endlessly woven for high strength & made from a nylon reinforced polychloroprene rubber. This gives these belts an extremely efficient mechanical performance characteristic and a high friction coefficient. The belts also offer a vibration free drive and can run at high speeds with minimal maintenance.



Flat Belt – Length, Width & Thickness Tolerances			
Nominal Length (mm)	Poss. % Tolerance	Thickness	Width
330 – 480	+/- 2.0 %	+/- 0.2mm	+/- 0.5mm
500 – 980	+/- 1.5 %		
1000 – 3100	+/- 1.0 %		

As the flat belts are endlessly woven nominal lengths can vary between sleeves and therefore drive layouts should allow for the adjustment of centres to provide the requisite drive tension.

Flat Belt Features

High strength High flexibility Lightweight Low maintenance High speed

High coefficient of friction Inextensible Also known as Hevaflex, Megafat, Transflat, Optimax HF or T150

Standard Belt Widths (mm)												
10	15	20	25	30	35	40	45	50	60	70	80	90

Standard Belt Lengths (mm)*										
300	450	590	720	880	1060	1250	1450	1710	2020	2500
330	460	600	740	900	1080	1270	1475	1740	2040	2550
340	480	620	760	920	1100	1300	1500	1770	2120	2600
350	500	630	780	940	1120	1320	1530	1800	2160	2750
370	510	650	790	960	1140	1350	1560	1830	2200	2850
385	540	660	800	980	1160	1370	1590	1870	2240	2900
400	550	670	820	1000	1180	1375	1620	1905	2280	2950
420	570	680	840	1020	1220	1400	1650	1940	2320	3100
430	575	700	860	1040	1230	1425	1680	2000	2410	

*As measured under a static tension of 12kg/cm width

Matched sets of belts must be cut from the same sleeve. Please specify when ordering.

Basic Kilowatt Rating (kw per cm/width) with 180° arc of contact																	
Belt Speed (m/sec)	Flat Belt					Belt Speed (m/sec)	Flat Belt					Belt Speed (m/sec)	Flat Belt				
	Small Pulley Dia. (mm)						Small Pulley Dia. (mm)						Small Pulley Dia. (mm)				
	15	20	25	30	>34		15	20	25	30	>34		15	20	25	30	>34
2.5	0.11	0.15	0.17	0.19	0.21	22.5	0.73	1.09	1.36	1.54	1.63	42.5	-	-	-	2.26	2.56
5	0.21	0.29	0.34	0.38	0.40	25	0.78	1.19	1.48	1.69	1.80	45	-	-	-	2.28	2.63
7.5	0.31	0.41	0.50	0.56	0.60	27.5	-	1.28	1.59	1.81	1.95	47.5	-	-	-	2.27	2.66
10	0.39	0.54	0.66	0.74	0.78	30	-	1.35	1.68	1.93	2.09	50	-	-	-	-	2.71
12.5	0.47	0.66	0.82	0.91	0.97	32.5	-	-	1.77	2.02	2.21	52.5	-	-	-	-	2.73
15	0.53	0.78	0.96	1.07	1.14	35	-	-	1.84	2.10	2.31	55	-	-	-	-	2.71
17.5	0.61	0.88	1.11	1.24	1.32	37.5	-	-	1.91	2.17	2.41	57.5	-	-	-	-	2.69
20	0.66	0.99	1.23	1.39	1.49	40	-	-	1.96	2.23	2.50	60	-	-	-	-	2.64