

Drive selection procedures for drives using Double-Sided Belts are much the same as for drives using conventional belting. Refer to the appropriate product and engineering sections in this catalog for drive torque ratings, engineering information, pulley details, belt tension recommendations, etc.

Some manufacturers, however, are producing double-sided belts which have nylon faced teeth on one side only. For those belts, the limitations given in **Section 5.1**, page T-10 apply.

SECTION 19 LONG LENGTH TIMING BELT STOCK SPECIFICATIONS

Brief mention of this type of belt was given in **Section 5.2**, page T-10. As previously indicated, long length belt stock is produced in spiral form. Spiral cut belting is produced from a belt sleeve by moving the slitter laterally while the belt sleeve is rotating.

The resulting belting does not have continuous tensile cords, and the teeth are not perfectly perpendicular to the longitudinal axis of the belt. As a result, wider belts may cause performance problems (shown with * in Table 40). As long as the belt width is narrow, these properties have been found to contribute little if any detrimental effects to belt performance. The maximum belt width available using this process is 1" (25 mm). Tensile modulus and strength are equivalent to conventional endless and long length belting.

This innovative product is available in all types of belting in all pitches. Reciprocating carriage drives requiring the use of higher performance curvilinear tooth belt products, in long length form, can now be easily handled.

This type of belt is called belt stock, and its availability from stock is indicated on the Timing Belt Locator Chart, on page 1-2, at the beginning of the belt product section.

Drive Selection With Neoprene Long-Length Belting

Drive selection procedures for drives using Long-Length Belting are much the same as for drives using conventional endless belting. Refer to the appropriate product and engineering sections in this catalog for drive torque ratings, engineering information, pulley details, belt tension recommendations

etc. **Table 40** includes rated belt working tension data, for those applications for which it could be helpful, as well as maximum length available in each pitch. For drive design selection assistance with belt stock, contact our Application Engineering Department.

Table 40 Neoprene Long-Length Belting Specifications

Belt Type	Stock Width		Rated Working Tension, T_a		Maximum Available Length	
	in	mm	lb	N	ft	m
MXL (.080")	.125	3	2.3	9	1000	305
	.1875	4.5	3.4	14	660	201
	.250	6	4.5	19	485	148
	.375	10	6.8	30	330	101
XL (.200")	.250	6	7.0	30	460	140
	.375	9.5	10.5	47	320	98
	.500	13	14.0	64	225	69
L (.375")	.500	13	24.5	112	275	83
	.750*	19*	36.8	163	185	56
	1.000*	25*	49.0	215	135	41
3 mm HTD	.236	6	15.1	67	475	145
	.354	9	22.7	101	300	91
	.472	12	30.2	135	250	76
	.984*	25*	63.0	281	120	37
5 mm HTD	.236	6	24.1	107	600	183
	.354	9	36.1	161	315	96
	.472	12	48.1	214	240	73
	.591	15	60.3	268	200	61
	.984*	25*	100.4	447	115	35
2 mm GT2	.236	6	5.9	26	600	183
	.354	9	8.9	39	390	119
	.472	12	11.8	52	300	91
3 mm GT2	.236	6	26.9	120	600	183
	.354	9	40.4	180	385	117
	.472	12	53.8	240	300	91
5 mm GT2	.354	9	56.6	252	360	110
	.472	12	75.5	336	275	83
	.591	15	94.6	420	230	70