# SYNCHRONOUS M.E.C. TIMING BELT®
for industrial transmissions

Notched belts, made with neoprene rubber and fibreglass insert, are the latest innovation in the field of transmissions, whereby movement is transmitted from the pulley to the belt and vice versa by reciprocal meshing of the notches, as happens with gear transmission, with no slipping and precision timing.
By virtue of their strength, these belts afford powerful transmission in limited space.
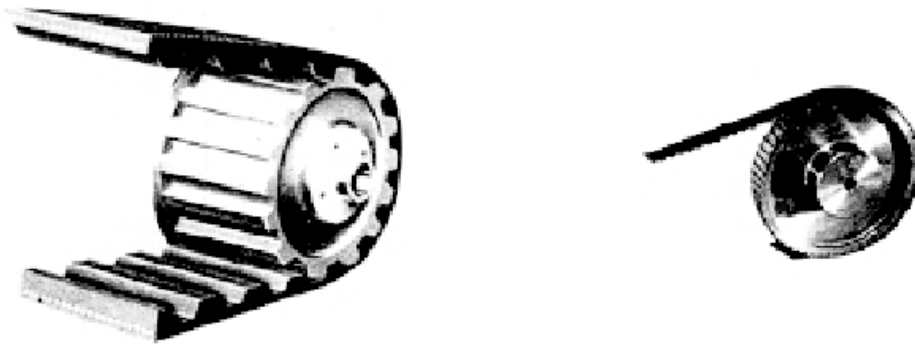
Classification of M.E.C. TIMING BELT® belts

M.E.C. TIMING BELT® belts are available as follows Ê identified by the commercial names which appear next to them, and in the following standard widths:

Pitch code	Commercial name	Pitch		Standard Widths	
		mm	inches	mm	inches (hundredths)
1	MXL	2,032	0.080 (2/25)	3,05-4,80-6,35-7,90-9,40	0,12-0,19-0,25-0,31-0,37
2	XL	5,080	0.200 (1/5)	6,35-7,90-9,40	0,25-0,31-0,37
3	L	9,525	0.375 (3/8)	12,70-19,05-25,40	0,50-0,75-100
4	H	12,700	0.500 (1/2)	19,05-25,40-38,10-50,80-76,20	0,75-100-150-200-300
5	XH	22,225	0.875 (7/8)	50,80-76,20-101,60	200-300-400
6	XXH	31,750	1.250 (1 1/4)	50,80-76,20-101,60-127	200-300-400-500

Identification of M.E.C. TIMING BELT® belts

M.E.C. TIMING BELT® belts are identified by letters which are preceded and followed by numbers which serve to identify pitch and length, pitch diameter and width respectively.
The first number shows the value of the pitch length in tenths of an inch (tenths of an inch times MXL). The letters show the pitch and hence the type of belt. The second number shows the with value in one hundredths of an inch.

Example:

A belt with a pitch development of 60 inches (1524 mm), ½ inch pitch (12,7 mm) and ¾ inch (19,05 mm) width , is written as follows:

                600 H 075

Vå...|^...ÁŒÁ...Á@...Á@...Á...]...&...Á...ã...Ã...^...ç...]...{...^...æ...å...@...}...^...•...]...^...¦...æ...&...^...}...Á...@...ÁÒÒÔÁ

Vå...|^...ÁŒÁ...Á...ã...@...[...|^...¦...æ...&...•...Á...Á...ÒÒÔÁVT...P...ÕÁÓÒŠVÁTŠ..Š..Š..PÁ

Ó^...|Á					V[...|^...æ...&^...}...Á...ã...@Á		
Yã...@...Á@...}...å...|å...@		Œ&...č...æ...Á					
		Q...•		...{			
		[ç^	˘]Á	[ç^¦	˘]Á	˘]Á...[...HÄ...ã&...@	[ç^...ÁHÄÁ...å...Â̂Ä	[ç^...Â̂ÄÁ...ã&...@Á
-	050	-	1/2"	-	12,7	+ 0,4 - 0,8	+ 0,4 - 0,8	-
050	150	1/2"	1" 1/2	12,7	38,1	± 0,8	+ 0,8 - 1,2	+ 0,8 - 1,2
150	200	1" 1/2	2"	38,1	50,8	+ 0,8 - 1,2	± 1,2	+ 1,2 - 1,6
200	300	2"	3"	50,8	76,2	+ 1,2 - 1,6	± 1,6	+ 1,6 - 2,0

V@^...[...|^...æ...&^...}...Á...@...Á...ã...c...@...Á...c...@...Á...YP...æ...å...ÝP...[...]...^...å...^...}...Á...EÒ...Á...{Á...¦Á

Vå...|^...ÁÓÄV[...|^...æ...&^...}...å...ç^...]...{...^...•...ÁÒÒÔÁVT...P...ÕÁÓÒŠVÁ

Ó^...|...Á...*...c@Á		V[...|^...¦æ	Ó^...|...Á...*...c@Á		V[...|^...æ...&^
[ç^¦	˘]Á	}...&^	[ç^¦	˘]Á[	^
-	10	± 0,40	90	100	± 1,00
10	15	± 0,45	100	110	± 1,05
15	20	± 0,50	110	120	± 1,10
20	30	± 0,60	120	130	± 1,15
30	40	± 0,65	130	140	± 1,20
40	50	± 0,75	140	150	± 1,25
50	60	± 0,80	150	160	± 1,30
60	70	± 0,85	160	170	± 1,35
70	80	± 0,90	170	180	± 1,40
80	90	± 0,95			

Vå...|^...ÁÔ...V@...}...^...•...Á...ÁÒÒÔÁVT...P...ÕÁÓÒŠVÁà^...|...Á

V^]	V@...}^...• •...Á	...Ö...*...¦^^...Á[...Á
MXL	1,14	± 0,6
XL	2,3	± 0,6
L	3,6	± 0,6
H	4,3	± 0,6
XH	11,2	± 0,6
XXH	15,7	± 0,6
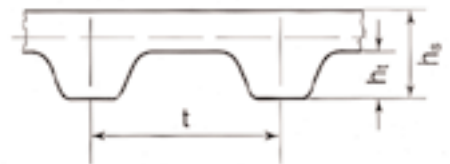
Ù^&ã...	t mm	t (")	h$_s$ mm	h$_t$ mm
MXL	2,032	2/25	1,14	0,51
XL	5,08	1/5	2,3	1,27
L	9,525	3/8	3,6	1,90
H	12,7	1/2	4,3	2,29
XH	22,225	7/8	11,2	6,35
XXH	31,75	1 1/4	15,7	9,53

Œ...¦ÁÒÒÔÁVT...P...ÕÁÓÒŠVÁà^...|...Á@...æ...^...å...Á
¦^...&ã...å...Á...˘...ã...^...Á...¦...æ&...^...å...å...Á]...^...ã...Á
...ã...¦^...*...|æ...•...Á•...^...|...Á•...˘...ã...*...Á...ã...Á...[ç...{...^...}È

Ú^...æ...^...&...}...•...|...å...@...Á...&...&...¦...•...å...[...[...\...^...•...[...¦...&...}...ã...Á