POLYURETHANE PRODUCT GUIDE

Jason Industrial Inc.®
A MEGADYNE GROUP CO.

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POLYURETHANE PRODUCT GUIDE

Jason Industrial® is a Megadyne Group company that manufactures and delivers a comprehensive inventory of rubber and polyurethane synchronous belts, rubber v-belts, industrial hose and couplings, plus hardware to the industrial community worldwide.

When extraordinary needs require specialized components, we will work with you from prototype to production, creating custom solutions that suit your unique application.

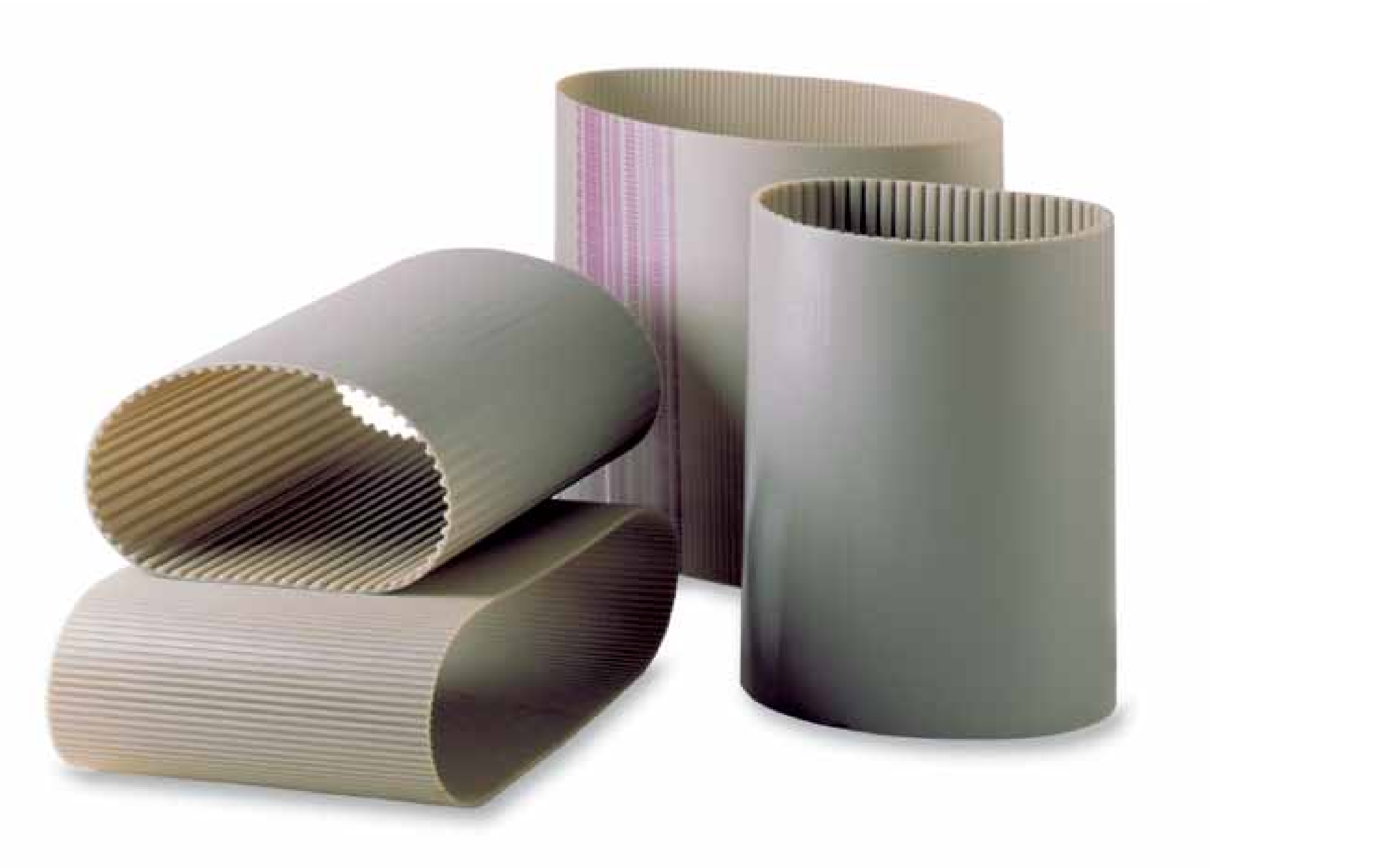
As a Jason customer, you can feel confident in the quality and integrity of our products, the speed and efficiency at which they are delivered, and the expertise and customer focus that our local representatives are committed to providing.

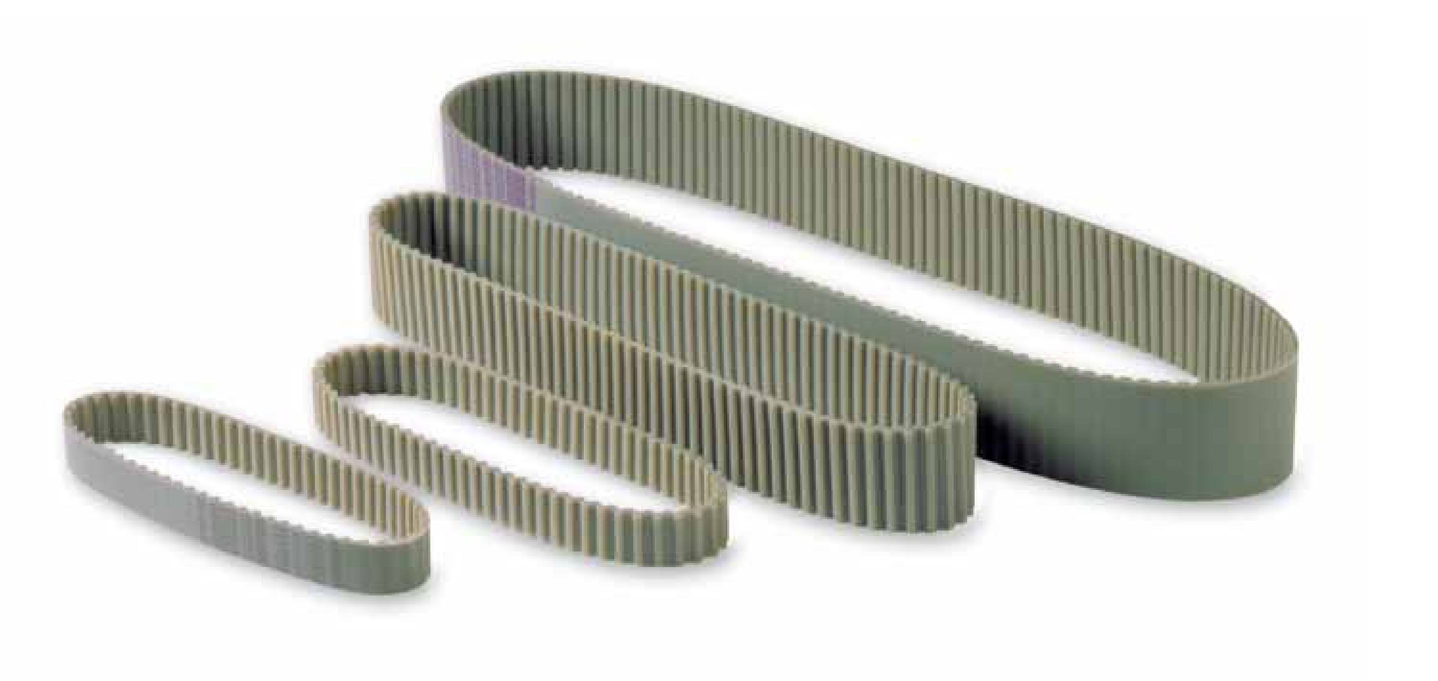
Jason's corporate headquarters are based in Fairfield, New Jersey. Our distribution center is located just outside of Chicago, Illinois, with additional corporate offices in Canada, Mexico and Brazil, as well as manufacturing, warehousing and distribution centers in cities across the globe.

Welcome to Jason...the first name in mechanical rubber and urethane products that power industry forward.

Jason Industrial Inc.®
A MEGADYNE GROUP CO.

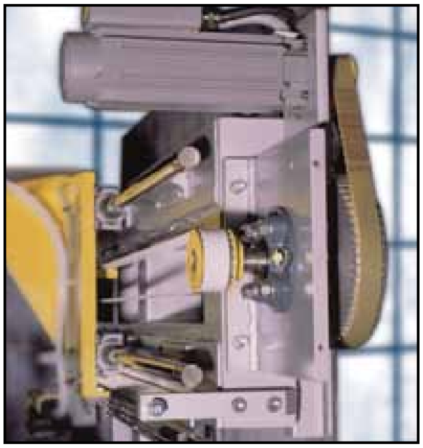
MEGAPOWER®
Polyurethane Endless Timing Belts (Thermoset)





MEGAPOWER®

Polyurethane Endless Timing Belts (Thermoset)



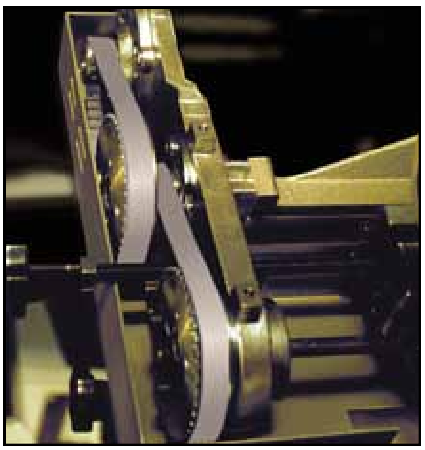
MEGAPOWER timing belts are manufactured by a unique thermoset molding process.

The high-grade polyurethane gives excellent abrasion and tooth shear resistance, combined with a variety of high-grade steel cords, ensuring high-tensile strength. The result is a timing belt with excellent dimensional stability. Megapower molded timing belts are manufactured to a tight tolerance range, which assures consistent length, width and thickness.

The combination of these factors result in Megapower performing to the highest physical and chemical levels.

NOTE: Specially requested compounds and cords must be tested and homologated on the application and must be approved by the requester.

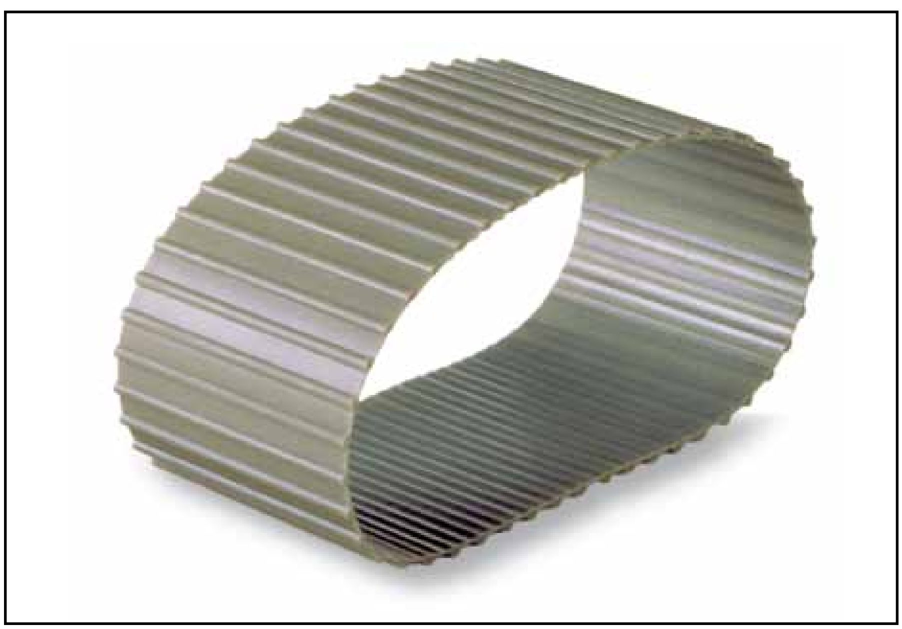
MEGAPOWER PU belts are suitable for high-power, precision motion and control even in high-speed applications.



MECHANICAL features:
- Consistent dimensional stability
- Low pre-tension
- Low noise
- High abrasion resistance
- Low maintenance
- High flexibility
- Linear speeds up to 80 m/second (over 15,000 ft./min.)

CHEMICAL features:
- Good resistance to aging, hydrolisis, UVA rays & ozone
- Working temperature: -13°F to + 176°F (up to +230°F for short periods)
- High resistance to oils, fats and greases
- Good resistance to most acids and Alkalis

MEGAPOWER PU belts perform especially well on light synchronized and stepped drives, in office automation and domestic appliance applications.



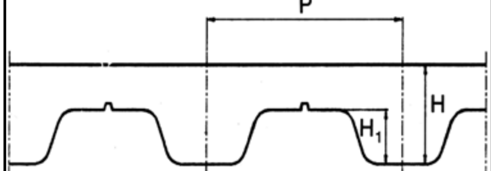
POWERING GLOBAL INDUSTRY

MEGAPOWER®

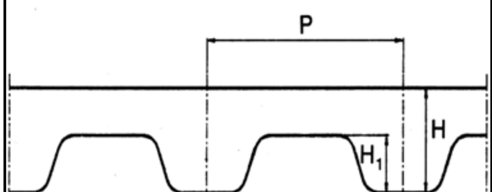
Polyurethane Endless Timing Belts (Thermoset)

We can cut any Megapower Belt width up to 300mm

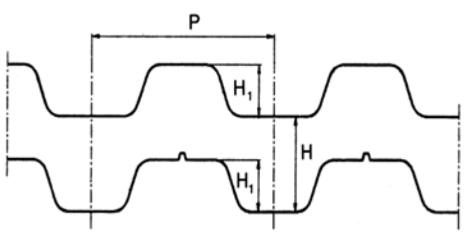
T2 - T2.5 - T5 - T10



T5 - T10* available without nose



T2.5 DL - T5 DL - T10 DL



T2.5 Std. width (mm)	T5 Std. width (mm)	T10 Std. width (mm)	T2.5 DL Std. width (mm)
4/6/8/10/12	6/8/10/12/16/20/25	10/12/16/20/25/32/50/75	4/6/8/10/12

T2.5

Code	Pitch Length (mm)
120	120
145	145
160	160
177.5	177.5
180	180
182.5	182.5
200	200
230	230
245	245
265	265
285	285
290	290
305	305
317.5	317.5
330	330
380	380
420	420
480	480
500	500
540	540
600	600
620	620
650	650
680	680
700	700
780	780
880	880
915	915
950	950
1185	1185
P	2.5mm
H	1.3mm
H_1	0.7mm

T2 Std. width (mm)

4/6/8/10/12

T2

Code	Pitch Length (mm)
180	180
200	200
288	288
P	2mm
H	1.1mm
H_1	0.5mm

T5

P	5mm
H	2.2mm
H_1	1.2mm

T5

Code	Pitch Length (mm)
120	120
150	150
165	165
180	180
185	185
200	200
210	210
215	215
220	220
225	225
245	245
250	250
255	255
260	260
270	270
275	275
280	280
295	295
305	305
330	330
340	340
350	350
355	355
365	365
390	390
400	400
410	410
420	420
425	425
440	440
445	445
450	450
455	455
460	460
475	475
480	480
500	500
510	510
515*	515*
525	525
545	545
550	550
560	560
560*	560*
575	575
590	590
610	610
620	620
630	630
640	640
650	650
660	660
675	675
690	690
700	700
720	720
725	725
750	750
765	765
780	780
800	800
815	815
830	830
840	840
850	850
860	860
885	885
900	900
940	940
990	990
1075	1075
1100	1100
1160	1160
1200	1200
1215	1215
1275	1275
1280	1280
1315	1315
1355	1355
1380	1380
1440	1440
1470	1470
1500	1500
1580	1580
1955	1955

T5

Code	Pitch Length (mm)
260	260
340	340
370	370
390	390
400	400
410	410
440	440
450	450
480	480
500	500
530	530
550	550
560	560
600	600
600*	600*
610	610
630	630
630*	630*
650	650
660	660
680	680
690	690
700	700
720	720
720*	720*
730	730
750	750
780	780
800*	800*
810	810
840	840
850	850
880	880
890	890
900	900
900*	900*
910	910
920	920
920*	920*
950	950
960	960
970	970
980	980
1010	1010
1080	1080
1100	1100
1110	1110
1140	1140
1150	1150
1200	1200
1210	1210
1240	1240
1250	1250
1300	1300
1320	1320
1350	1350
1390	1390
1400	1400
1420	1420
1440	1440
1450	1450
1460	1460
1500	1500
1560	1560
1610	1610
1700	1700
1750	1750
1780	1780
1880	1880
1960	1960
2250	2250
P	5mm
H	2.2mm
H_1	1.2mm

T2.5 DL

Code	Pitch Length (mm)
457.5 DL	457.5
P	2.5mm
H	1.3mm
H_1	0.7mm

T5 DL Std. width (mm)

6/8/10/12/16/20/25

T5 DL

Code	Pitch Length (mm)
410 DL	410
460 DL	460
590 DL	590
620 DL	620
685 DL	685
750 DL	750
815 DL	815
840 DL	840
860 DL	860
940 DL	940
1100 DL	1100
P	5mm
H	2.2mm
H_1	1.2mm

T10 DL Std. width (mm)

10/12/16/20/25/32/50/75

T10 DL

Code	Pitch Length (mm)
260 DL	260
530 DL	530
630 DL	630
660 DL	660
720 DL	720
840 DL	840
920 DL	920
980 DL	980
1100 DL	1100
1210 DL	1210
1240 DL	1240
1250 DL	1250
1320 DL	1320
1350 DL	1350
1420 DL	1420
1610 DL	1610
1880 DL	1880
P	10mm
H	4.5mm
H_1	2.5mm

MEGAPOWER®

Polyurethane Endless Timing Belts (Thermoset)

POWERING GLOBAL INDUSTRY

We can cut any Megapower Belt width up to 300mm

AT5 Std. width (mm)	AT10 Std. width (mm)	MXL Std. width (mm)	XL Std. width (mm)	L Std. width (mm)	H Std. width (mm)
6/8/10/12/16/20/25	10/12/16/20/25/32/50/75	3.2/4.8/6.4	6.4/7.9/9.4	12.7/19.1/25.4	19.1/25.4/38.1/50.8/76.2

AT5

Code	Pitch Length (mm)
225	225
255	255
275	275
280	280
300	300
330	330
340	340
375	375
390	390
420	420
450	450
455	455
480	480
500	500
525	525
545	545
600	600
610	610
630	630
660	660
670	670
710	710
720	720
750	750
780	780
825	825
860	860
975	975
1050	1050
1125	1125
1500	1500
2000	2000
P	5mm
H	2.7mm
H_1	1.2mm

AT3

Code	Pitch Length (mm)
351	351
P	3mm
H	1.9mm
H_1	1.1mm

AT10

Code	Pitch Length (mm)
370	370
500	500
560	560
580	580
600	600
610	610
660	660
700	700
730	730
780	780
800	800
810	810
840	840
880	880
890	890
920	920
960	960
980	980
1000	1000
1010	1010
1050	1050
1080	1080
1100	1100
1150	1150
1200	1200
1210	1210
1220	1220
1230	1230
1240	1240
1250	1250
1280	1280
1300	1300
1320	1320
1350	1350
1360	1360
1400	1400
1420	1420
1480	1480
1500	1500
1600	1600
1630	1630
1700	1700
1720	1720
1800	1800
1860	1860
1940	1940
P	10mm
H	4.5mm
H_1	2.5mm

MXL

Code	Pitch Length (mm)
80055	111.7
80057	115.8
80060	121.9
80070	142.2
80072	146.3
80075	152.4
80076	154.4
80079	160.5
80080	162.5
80082	166.6
80088	178.8
80091	184.9
80092	186.9
80096	195.1
80101	205.2
80102	207.2
80103	209.2
80105	213.3
80110	223.5
80114	231.6
80118	239.7
80120	243.8
80130	264.1
80132	268.2
80135	274.3
80140	284.4
80145	294.6
80150	304.8
80155	314.9
80175	355.6
80190	386.5
80200	406.8
80221	449.1
80256	520.1
80280	568.9
80285	579.1
80308	625.8
80332	674.6
80352	715.2
80360	731.5
80395	802.6
80405	822.9
80412	837.1
80432	877.8
80454	922.5
80485	985.5
P	2.032mm
H	1.2mm
H_1	0.51mm

XL

Code	Pitch Length (mm)
60	152.4
70	177.8
76	193.0
80	203.2
90	228.6
100	254.0
110	269.4
120	304.8
130	330.2
134	340.3
140	355.6
150	381.0
160	406.4
170	431.8
180	457.2
190	482.6
194	492.7
200	508.0
210	533.4
220	558.8
230	584.2
240	609.6
250	635.0
260	660.4
270	685.8
288	731.5
290	736.6
300	762.0
356	904.2
414	1051.5
450	1143.0
566	1437.6
P	5.080mm
H	2.25mm
H_1	1.25mm

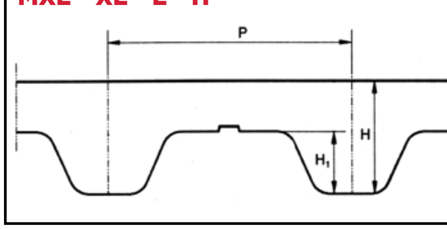
L

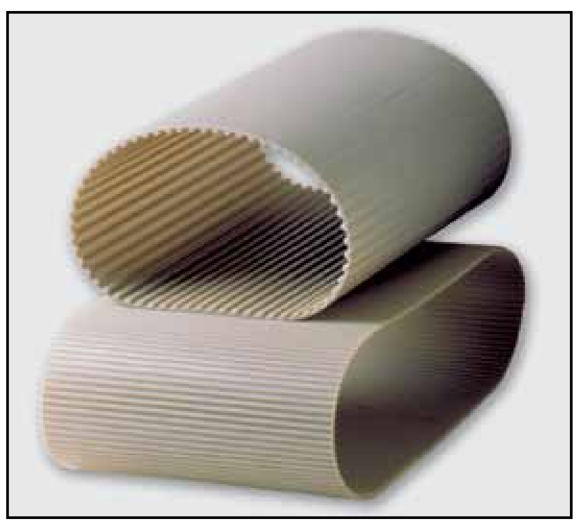
Code	Pitch Length (mm)
86	218.6
124	314.3
150	381.0
173	438.1
187	476.2
202	514.4
210	533.4
225	571.5
240	609.6
255	647.7
270	685.8
285	723.9
300	762.0
322	817.9
345	876.3
367	933.4
390	990.6
420	1066.8
450	1143.0
480	1219.2
510	1295.4
540	1371.6
570	1447.8
600	1524.0
P	9.525mm
H	3.6mm
H_1	1.9mm

H

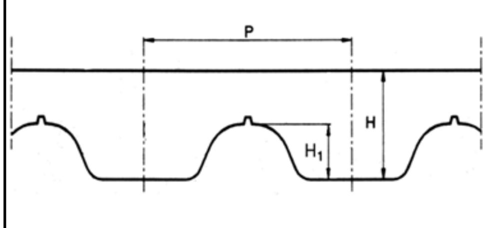
Code	Pitch Length (mm)
230	584.2
240	609.6
270	685.8
300	762.0
330	838.2
360	914.4
390	990.6
420	1066.8
450	1143.0
480	1219.2
510	1295.4
P	12.7mm
H	4.3mm
H_1	2.29mm

MXL - XL - L - H





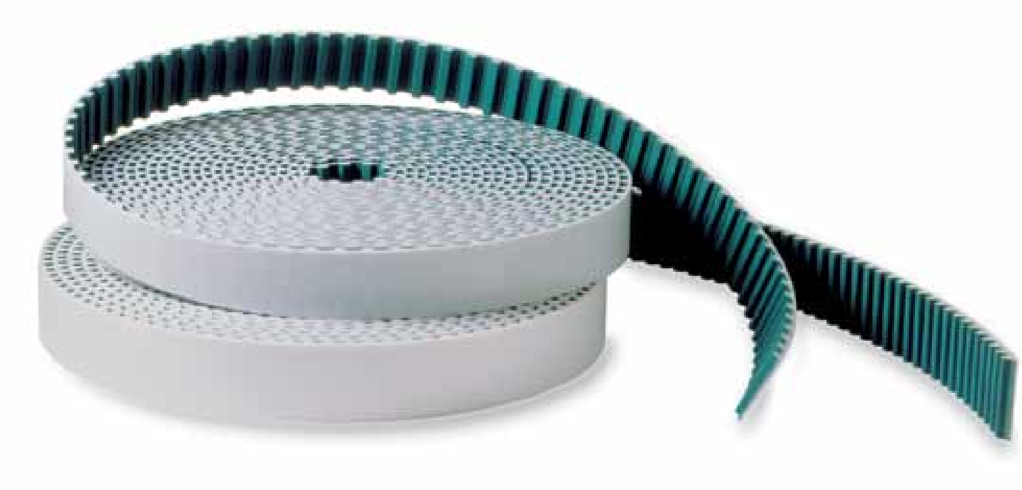
AT3 - AT5 - AT10

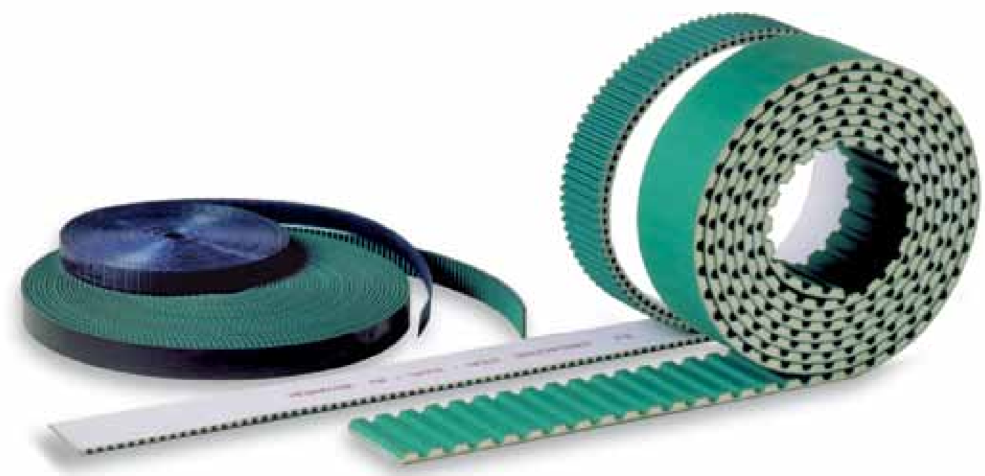


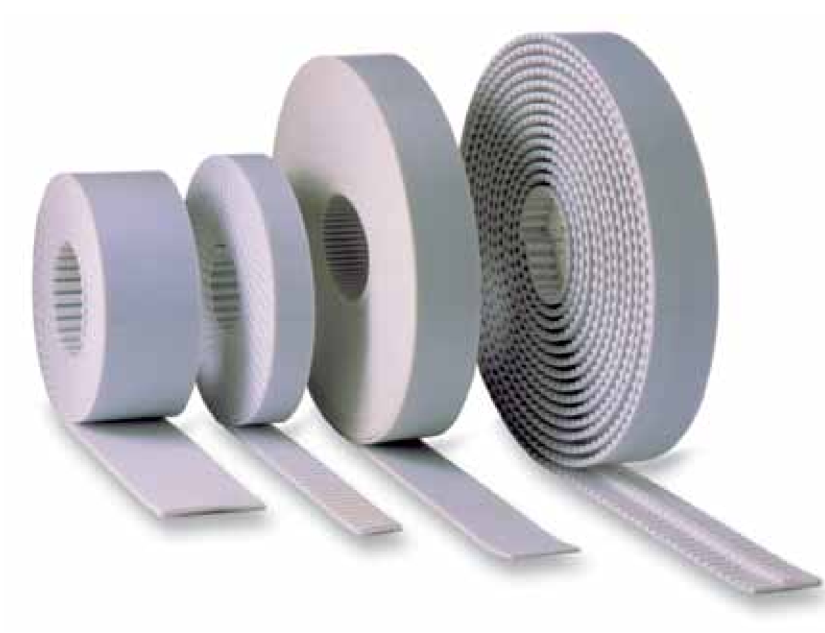
POWERING GLOBAL INDUSTRY

MEGALINEAR®

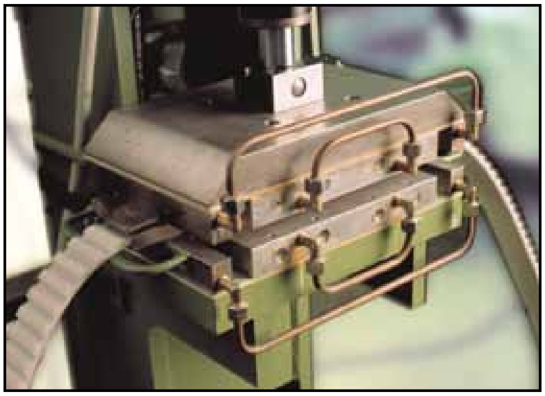
Polyurethane Open-End Timing Belts (Thermoplastic)







MEGALINEAR®
Polyurethane Open-End Timing Belts (Thermoplastic)



MEGALINEAR open-end timing belts are manufactured in thermoplastic polyurethane, giving superior wear and abrasion resistance. Various grades of steel cords offer good running characteristics, even with high-torque loads.

Manufactured to tight tolerances, Megalinear delivers reliability and excellent dimensional stability. The addition of a nylon fabric on the tooth and/or the back of the belt during production enhances the running properties for specific applications. An extra thickness of polyurethane is also possible on the back of the belt, offering extra protection against abrasive or heavy products.

MEGALINEAR offers the following features:

MECHANICAL features:
- Consistent dimensional stability
- Low pre-tension
- Low noise
- High abrasion resistance
- Low maintenance
- High flexibility
- Linear speeds up to 80 m/second (over 15,000 ft./min.)
- High precision linear positioning

CHEMICAL features:
- Good resistance to aging, hydrolisis, UVA rays & ozone
- Working temperature: -13°F to + 176°F (up to +230°F for short periods)
- High resistance to oils, fats and greases
- Good resistance to most acids and Alkalis
- Compatible for fabrication with other thermoplastic materials.

MEGALINEAR can be supplied as open-end rolls, or as endless spliced belts.

OPEN LENGTH BELTS
These are manufactured as continuous lengths, with the reinforcement in a parallel configuration. Standard roll lengths are 50 or 100 meters. Other lengths available upon request.

MEGALINEAR open-end belts are normally used in linear motion drives.

ENDLESS SPLICED BELTS
By splicing, using the thermoplastic properties of the open-end belt, endless belts can be produced to any length by welding. The finished splice is resistant to fatigue from flexing and tension due to the unique symmetrical Vee shaped pattern of the splice.

Endless spliced belts are suitable for conveying applications, particularly when indexing and/or positive drive is required. Supplementary application of cleats, profiles, fabrics and backings is possible to suit specific applications.

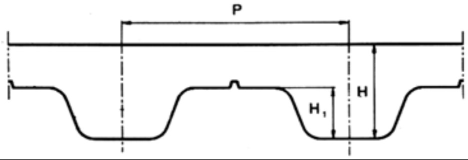
MEGALINEAR is also available with alternative reinforcement cords such as, Kevlar® (K), High Flex (HF), High Performance (HP) and High Performance Flex (HPF).

*Kevlar is a registered trademark of DuPont

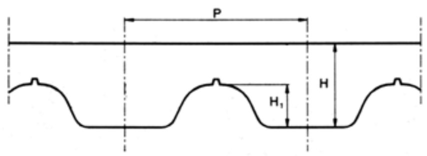
MEGALINEAR®

Polyurethane Open-End Timing Belts (Thermoplastic)

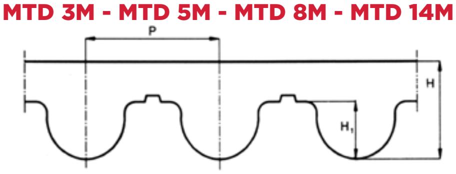
T2.5 - T5 - T10 - T20



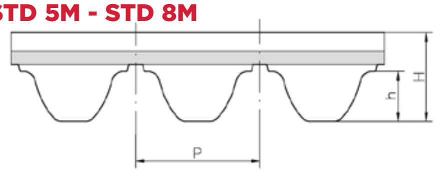
AT3 - AT5 - AT10 - AT20



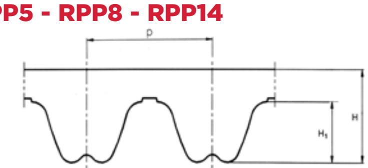
MTD 3M - MTD 5M - MTD 8M - MTD 14M



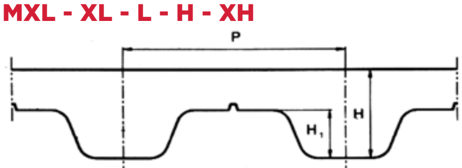
STD 5M - STD 8M



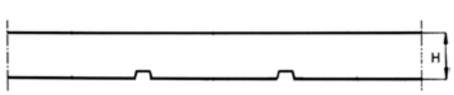
RPP5 - RPP8 - RPP14



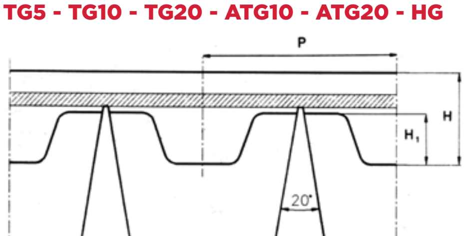
MXL - XL - L - H - XH



P1 - P2 - P4



TG5 - TG10 - TG20 - ATG10 - ATG20 - HG



MTD 3M Std. width (mm)		MTD 5M Std. width (mm)		MTD 8M Std. width (mm)		MTD 14M Std. width (mm)	
10		10		10		25	
20		15		15		40	
25		25		20		55	
50		50		30		85	
				50		100	
				85		115	
				100			
P	3mm	P	5mm	P	8mm	P	14mm
H	2.2mm	H	3.6mm	H	5.6mm	H	10mm
H_1	1.13mm	H_1	2.1mm	H_1	3.4mm	H_1	6.1mm

RPP5 Std. width (mm)		RPP8 Std. width (mm)		RPP14 Std. width (mm)	
10		10		40	
15		15		55	
25		20		85	
30		30		115	
50		50		150	
		85			
		100			
P	5mm	P	8mm	P	14mm
H	3.8mm	H	5.4mm	H	10mm
H_1	2mm	H_1	3.2mm	H_1	6mm

TG5 K6 Std. width (mm)		TG10 K6 Std. width (mm)		TG10 K13 Std. width (mm)		TG20 K13 Std. width (mm)	
25		50		25		50	
32				32		75	
50				50		100	
				75			
				100			
P	5mm	P	10mm	P	10mm	P	20mm
H	2.2mm	H	4.5mm	H	4.5mm	H	8mm
H_1	1.2mm	H_1	2.5mm	H_1	2.5mm	H_1	5mm
B	6mm	B	6mm	B	13mm	B	13mm
h	4mm	h	3.3mm	h	6.5mm	h	5.5mm

ATG10 K13 Std. width (mm)		ATG20 K13 Std. width (mm)		HG K13 Std. width (in)	
25		75		1.50	
32		150		2.00	
50				3.00	
75				4.00	
100					
150					
P	10mm	P	20mm	P	12.7mm
H	4.5mm	H	8mm	H	4.3mm
H_1	2.5mm	H_1	5mm	H_1	2.29mm
B	13mm	B	13mm	B	13mm
h	7mm	h	6.4mm	h	6.29mm

MEGALINEAR®

Polyurethane Open-End Timing Belts (Thermoplastic)

.080" Pitch

MXL Std. width (in)	
0.17	
0.37	
0.50	
P	2.03mm
H	1.2mm
H_1	0.51mm

1/5" Pitch

XL Std. width (in)	
0.25	
0.37	
0.50	
0.75	
1.00	
1.50	
2.00	
P	5.08mm
H	2.3mm
H_1	1.27mm

3/8" Pitch

L Std. width (in)	
0.37	
0.50	
0.75	
1.00	
1.50	
2.00	
4.00	
P	9.525mm
H	3.6mm
H_1	1.90mm

1/2" Pitch

H Std. width (in)	
0.50	
0.75	
1.00	
1.50	
2.00	
3.00	
4.00	
6.00	
P	12.7mm
H	4.3mm
H_1	2.29mm

1/2" Pitch

H* Std. width (in)	
8.00	
200.00	
P	12.7mm
H	4.3mm
H_1	2.29mm

7/8" Pitch

XH Std. width (in)	
1.00	
1.50	
2.00	
3.00	
4.00	
6.00	
P	22.225mm
H	11.2mm
H_1	6.35mm

T2.5 Std. width (mm)	
10	
16	
20	
P	2.5mm
H	1.3mm
H_1	0.7mm

T5 Std. width (mm)	
6	
10	
16	
25	
32	
50	
75	
100	
P	5mm
H	2.2mm
H_1	1.2mm

T10 Std. width (mm)	
12	
16	
25	
32	
50	
75	
100	
150	
P	10mm
H	4.5mm
H_1	2.5mm

T10* Std. width (mm)	
200	
250	
300	
400	
450	
500	
P	10mm
H	4.5mm
H_1	2.5mm

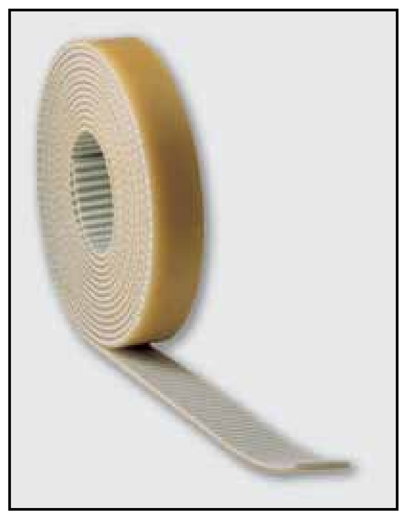
T20 Std. width (mm)	
25	
32	
50	
75	
100	
150	
P	20mm
H	8mm
H_1	5mm

AT3 Std. width (mm)	
10	
20	
25	
50	
P	3mm
H	1.9mm
H_1	1.1mm

AT5 Std. width (mm)	
6	
10	
16	
25	
32	
50	
75	
100	
P	5mm
H	2.7mm
H_1	1.2mm

AT10 Std. width (mm)	
16	
25	
32	
50	
75	
100	
150	
P	10mm
H	4.5mm
H_1	2.5mm

AT20 Std. width (mm)	
25	
32	
50	
75	
100	
150	
200	
P	20mm
H	8mm
H_1	5mm



STD 5M Std. width (mm)	
10	
15	
25	
50	
P	5mm
H	3.4mm
H_1	1.91mm

STD 8M Std. width (mm)	
10	
12	
15	
20	
30	
50	
85	
P	8mm
H	5.1mm
H_1	3.05mm

*Only with Kevlar cords and reduced number of cords

P1 Std. width (mm)	
10	
20	
H	1mm

P2 Std. width (mm)	
25	
50	
75	
100	
H	2mm

P4 Std. width (mm)	
25	
50	
100	
H	4mm

MEGAFLEX®

Polyurethane Truly Endless Timing Belts (Thermoplastic)

MEGAFLEX®

Polyurethane Truly Endless Timing Belts (Thermoplastic)

MEGAFLEX TIMING BELTS are manufactured in thermoplastic polyurethane with continuous spiral steel cords.

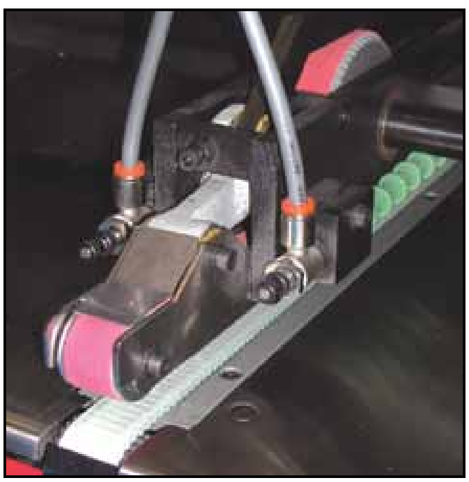
This type of belt, developed by our Research & Development, offers good running characteristics and high-torque loads.

They are especially suited for power transmission and conveying with high loads and high speeds (up to 10,000 RPM).

The addition of a nylon fabric on the teeth during production enhances the running properties for specific applications and reduces noise.

An extra thickness of special backing is also possible on the back of the belt, offering extra protection against abrasive or heavy products. Megaflex belts are truly endless, enabling them to deliver exceptional performance.

MEGAFLEX TIMING BELTS ARE AVAILABLE FROM 1.5 UP TO 22.7 METERS (4.9 TO 74.4 FT.) IN LENGTH.



MEGAFLEX
Special Constructions

- High flex cords
- (NFT) nylon fabric on the teeth (available from 1.9 meter/6.2 ft. and up)
- Custom milling, grinding and drilling to specification
- Additional continuous backing on the back of the belt in:
    - PU 85 ShA
    - Tenax 50 ShA
    - Linatex 40 ShA
    - Yellow PUR 60 ShA
    - Gray PUR 60 ShA
    - Neoprene rubber 70 ShA

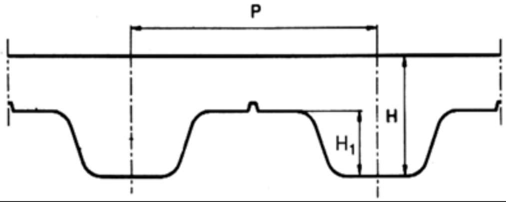
Other hardnesses available upon request.

POWERING GLOBAL INDUSTRY

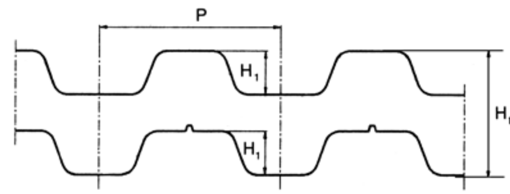
MEGAFLEX®

Polyurethane Truly Endless Timing Belts (Thermoplastic)

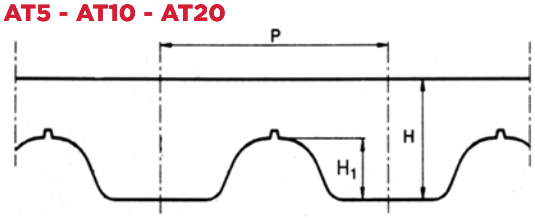
T5 - T10 - T20



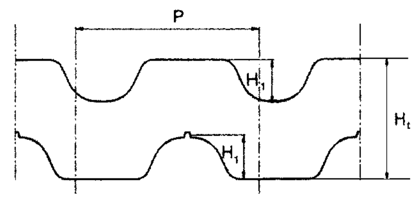
T5 DL - T10 DL - T20 DL



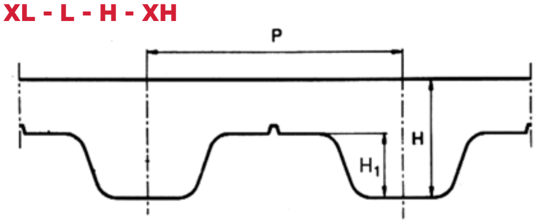
AT5 - AT10 - AT20



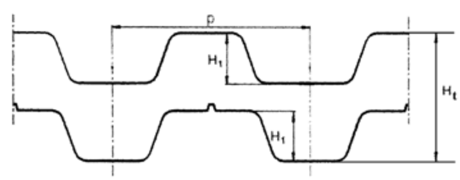
AT5 DL - AT10 DL - AT20 DL



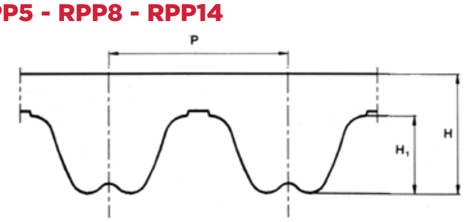
XL - L - H - XH



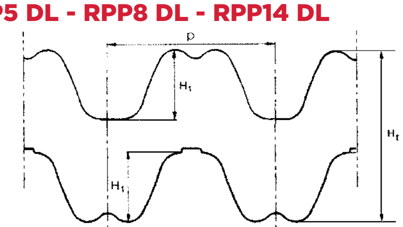
XL DL - L DL - H DL - XH DL



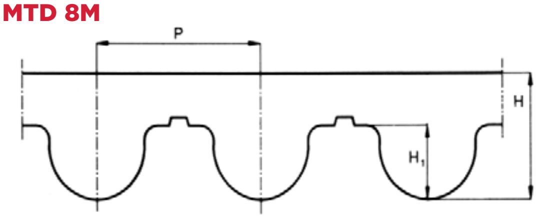
RPP5 - RPP8 - RPP14



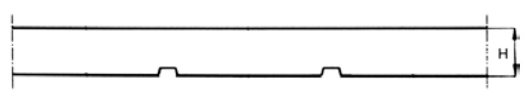
RPP5 DL - RPP8 DL - RPP14 DL



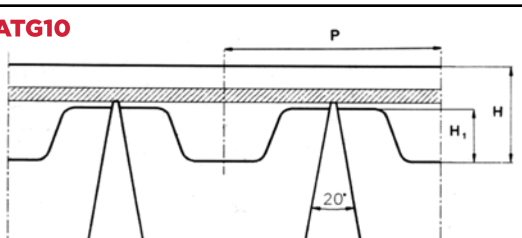
MTD 8M



P2



ATG10



P2 Std. width (mm)	
25	
50	
75	
100	
150	
P	2.0mm

ATG10 K13 Std. width (mm)	
10	
16	
25	
32	
50	
75	
100	
150	
P	10mm
H	4.5mm
H_1	2.5mm
B	13mm
h	6.4mm

MTD 8M Std. width (mm)	
10	
16	
25	
32	
50	
75	
100	
150	
P	8mm
H	5.6mm
H_1	3.4mm

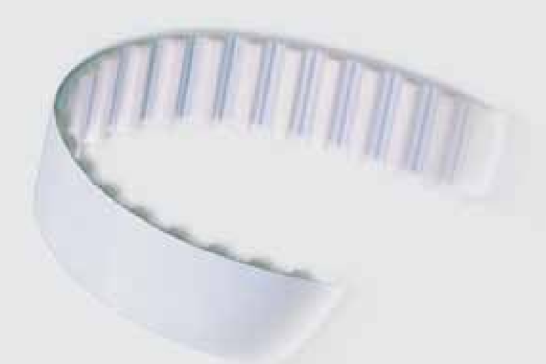
MEGAFLEX®

Polyurethane Truly Endless Timing Belts (Thermoplastic)

T5/T5DL Std. width (mm)	
10	
16	
25	
32	
50	
75	
100	
150	
P	5mm
H	2.2mm
H_1	1.2mm
H_t	3.4mm

T10/T10DL Std. width (mm)	
10	
16	
25	
32	
50	
75	
100	
150	
P	10mm
H	4.5mm
H_1	2.5mm
H_t	7mm

T20/T20DL Std. width (mm)	
10	
16	
25	
32	
50	
75	
100	
150	
P	20mm
H	8mm
H_1	5mm
H_t	13mm

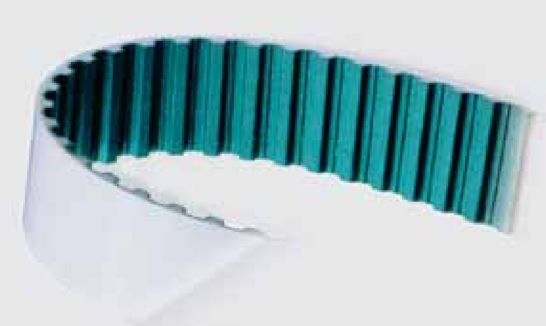


AVAFC - PU 85 shore A, extruded on back

AT5/AT5DL Std. width (mm)	
10	
16	
25	
32	
50	
75	
100	
150	
P	5mm
H	2.7mm
H_1	1.2mm
H_t	3.9mm

AT10/AT10DL Std. width (mm)	
10	
16	
25	
32	
50	
75	
100	
150	
P	10mm
H	4.5mm
H_1	2.5mm
H_t	7mm

AT20/AT20DL Std. width (mm)	
10	
16	
25	
32	
50	
75	
100	
150	
P	20mm
H	8mm
H_1	5mm
H_t	13mm

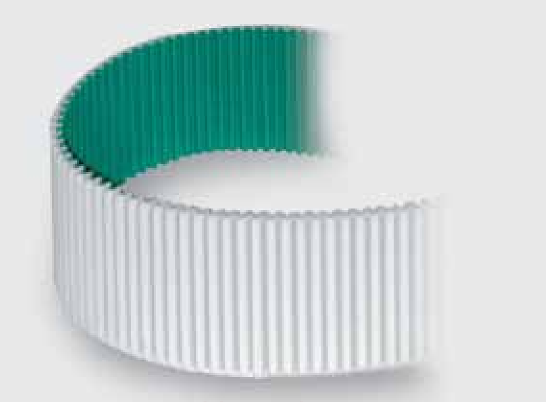


NFT - Nylon fabric on teeth low friction & noise

RPP5/RPP5DL Std. width (mm)	
10	
15	
20	
25	
50	
85	
100	
150	
P	5mm
H	3.8mm
H_1	2mm
H_t	5.2mm

RPP8/RPP8DL Std. width (mm)	
10	
15	
20	
25	
50	
85	
100	
150	
P	8mm
H	5.4mm
H_1	3.2mm
H_t	7.8mm

RPP14/RPP14DL Std. width (mm)	
10	
15	
20	
25	
50	
85	
100	
150	
P	8mm
H	5.4mm
H_1	3.2mm
H_t	7.8mm



Double tooth version*

*For double tooth version, there is a minimum order requirement.

1/5" Pitch

XL/XLDL Std. width (mm)	
12.7	
19.1	
25.4	
38.1	
50.8	
76.2	
101.6	
152.4	
P	5.08mm
H	2.3mm
H_1	1.27mm
H_t	3.05mm

3/8" Pitch

L/LDL Std. width (mm)	
12.7	
19.1	
25.4	
38.1	
50.8	
76.2	
101.6	
152.4	
P	9.525mm
H	3.6mm
H_1	1.9mm
H_t	4.58mm

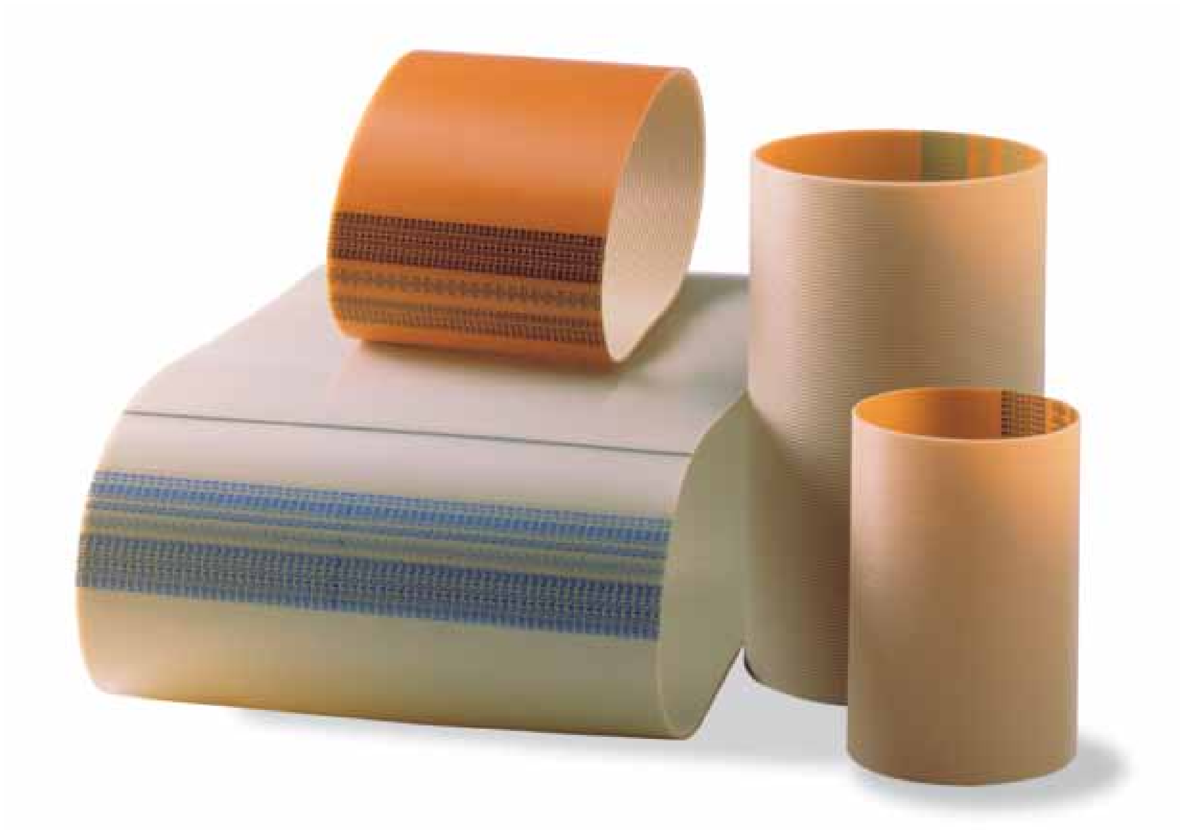
1/2" Pitch

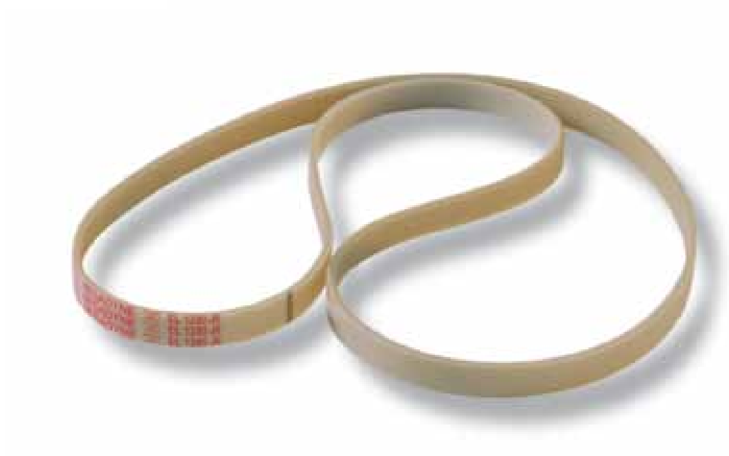
H/HDL Std. width (mm)	
12.7	
19.1	
25.4	
38.1	
50.8	
76.2	
101.6	
152.4	
P	12.7mm
H	4.3mm
H_1	2.29mm
H_t	5.95mm

7/8" Pitch

XH/XHDL Std. width (mm)	
12.7	
19.1	
25.4	
38.1	
50.8	
76.2	
101.6	
152.4	
P	22.225mm
H	11.2mm
H_1	6.35mm
H_t	15.49mm

MEGARIB®
Polyurethane Endless Multi-Rib V-Belts (Thermoset)





MEGARIB®

Polyurethane Endless Multi-Rib V-Belts (Thermoset)

MEGARIB belts are manufactured in polyurethane with high-tension cords, which combine the high flexibility of flat belts with the power transmission capability of V-belts.

These belts have the following features:

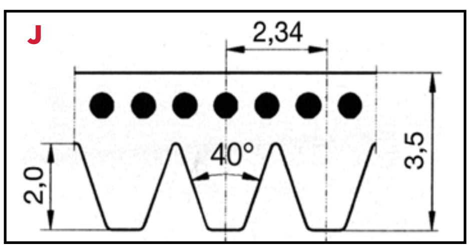
- Dimensional stability
- High flexibility
- Can be used with small pulley diameters
- High speeds
- Excellent oil, water and ozone resistance

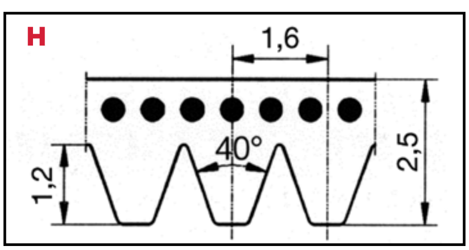
The main applications are:

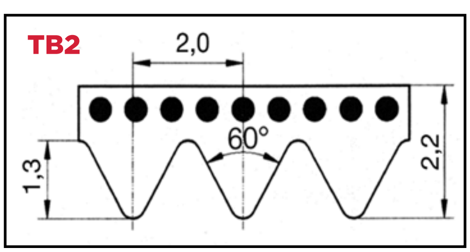
- Food processors
- Grass cutting equipment
- Electrical household appliances
- Washing machines
- Electrical tools
- Woodworking equipment
- Domestic power tools

On request, special elastic Megarib belts can be manufactured in polyurethane with a semi-elastic tension member. They can be fitted on fixed center drives, reducing noise and vibrations. The absence of a tensioning mechanism offers additional cost savings.

Standard Megarib belts are available in a wide variety of rib pitches and lengths (see below).







J Standard Length (mm)	J Standard Length (inches)
220	87
271	107
275	108
278	110
283	114
304	120
330	130
345	135
356	140
381	150
392	154
406	160
431	170
444	175
457	180
483	190
508	200
558	220
610	240
660	260
681	268
711	280
762	300
864	340
914	360
953	376
1010	398
1086	428
1120	440
1163	458
1202	474
1239	488
1268	500
1397	590

H Standard Length (mm)
178
217
223
227
229
295
330
340
375
389
400
485
507
588
602
609
650
768
935
1000
1086
1120
1163
1203
1240
1775
1976

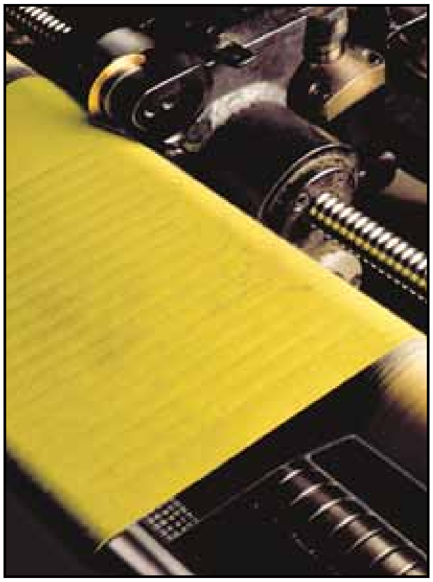
TB2 Standard Length (mm)
156
170
200
220
231
248
266
295
310
327
330
345
360
380
390
400
430
480
510
526
535
598
630
660
675
725
770
1186

MEGAFLAT®

Polyurethane & Rubber Endless Flat Belts

MEGAFLAT®
Polyurethane & Rubber Endless Flat Belts

POWERING GLOBAL INDUSTRY



MEGAFLAT belts are truly endless mandrel molded, available in both polyurethane or chloroprene rubber, with either polyester, Kevlar or cotton reinforcements. Standard sleeves are available 330 mm wide.

These belts have the following features:

- High flexibility
- Can be used with small pulley diameters
- Dimensional accuracy
- High speed
- Energy efficient
- Low noise and vibration
- Low maintenance
- Good chemical and ozone resistance
- High friction surface

MEGAFLAT belts are particularly suitable for both power transmission and conveying.

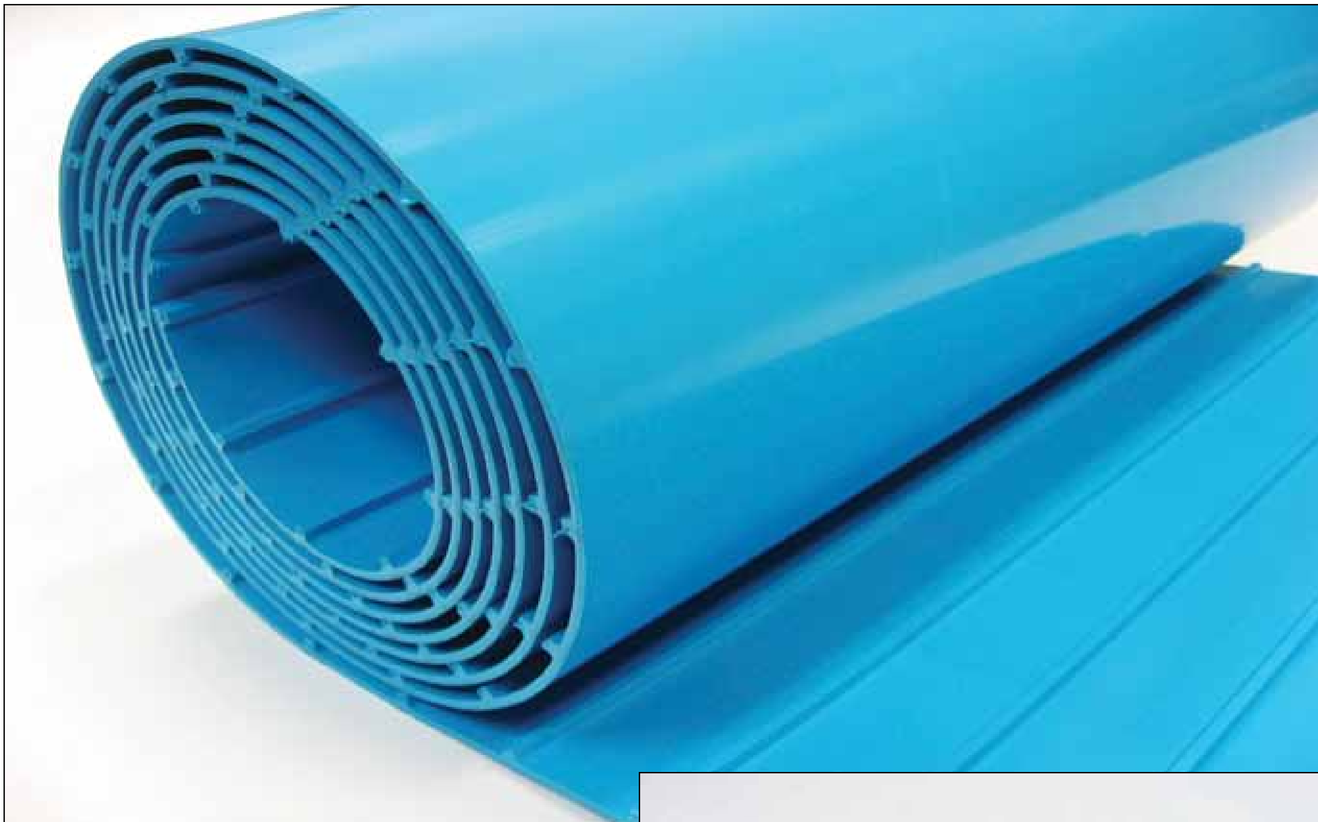
TENSILE REINFORCEMENT	P 0 No fabric	P 102 Elastic fabric/nylon	P 108 Polyester/cotton	P 110 Polyester fabric
INSTALLATION TENSION x cm WIDTH (N) ENDLESS	-	10	200	150
MIN. PULLEY DIA. (mm)	8	25	5	12
THICKNESS (mm)	0.9	1.8	0.8	1
STANDARD LENGTH (mm)	240/1200	240/2500	240/3850	240/3850
COATING MATERIAL	POLYURETHANE	POLYURETHANE	POLYURETHANE	POLYURETHANE
ANTI-STATIC	NO	POSSIBLE	POSSIBLE	POSSIBLE

TENSILE REINFORCEMENT	P 120 Polyester fabric	P 155 Kevlar/Polyester	S 110 Polyester fabric
INSTALLATION TENSION x cm WIDTH (N) ENDLESS	350	400	125
MIN. PULLEY DIA. (mm)	20	25	12
THICKNESS (mm)	1.5	2	1.0
STANDARD LENGTH (mm)	240/3850	240/3850	240/3850
COATING MATERIAL	POLYURETHANE	POLYURETHANE	SILICON
ANTI-STATIC	POSSIBLE	POSSIBLE	POSSIBLE

Megaflat Belts are made to order. Minimum order quantities will apply.

MEGABLUE

Food Grade Positive Drive Belts



MEGABLUE
Food Grade Positive Drive Belts

MEGABLUE is specifically created to give a good alternative to the classical plastic modular belt for the food processing industry.

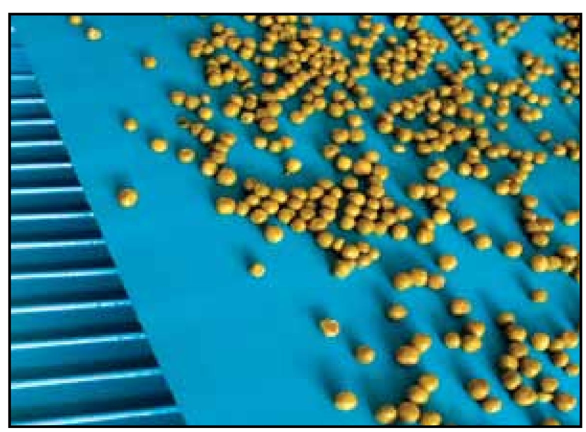
With its smooth surface, Megablue guarantees superior hygiene levels and, at the same time, works like a positive drive modular plastic belt.

Thanks to the tooth shape and pitch, Megablue works with the same sprockets of modular plastic belts and is a good alternative where an extreme cleanability is needed. This belt helps saving water and time usually dedicated to the cleansing of a classical modular plastic belt.

Megablue is FDA/USDA/USDA Dairy Approved and is also the ideal combination of the benefits of a classical smooth conveyor with the mechanical and chemical advantages of a plastic modular belt.

Main Features:

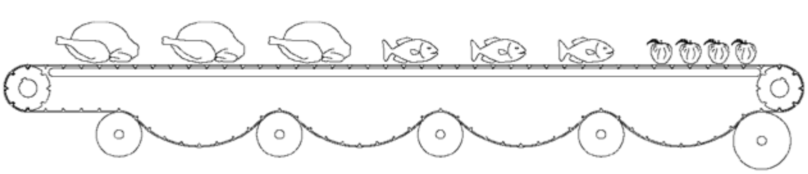
- Suitable to replace most of the 1" and 2" plastic modular belts.
- Available with Kevlar® tension member where the application requires high tensile strength and low elongation.
- Blue FDA-approved Polyurethane water and chemical resistant.
- Perfectly sealed edges to avoid the contact of external agents with Kevlar® cords in case they are present (for MB 10K).
- Flat and smooth back surface to help the clean-in-place process and to avoid bacteria deposit.
- FDA/USDA approved for wet food contact and transportation (meat and poultry).



Applications:

The Megablue product line was conceived keeping in mind the specific requirements of the food processing industry in a wide variety of sectors such as (but not limited to):

- Bakery
- Meat, poultry & seafood
- Beverage
- Fruits & vegetables

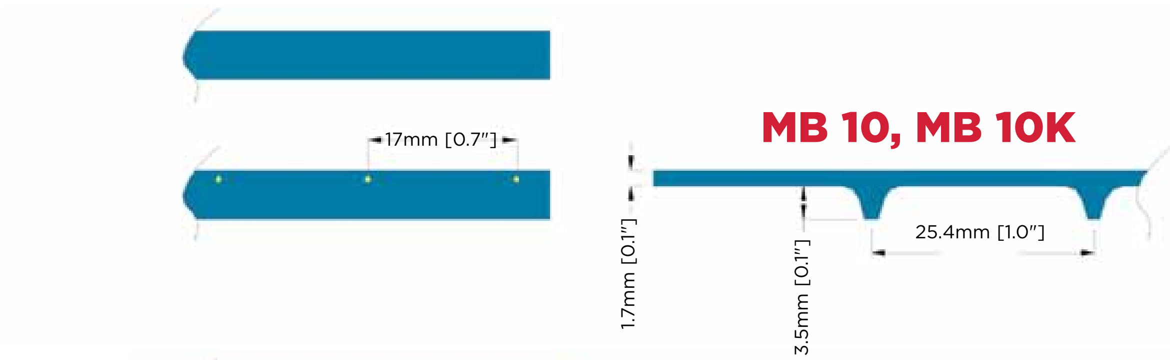


*Kevlar is a registered trademark of DuPont

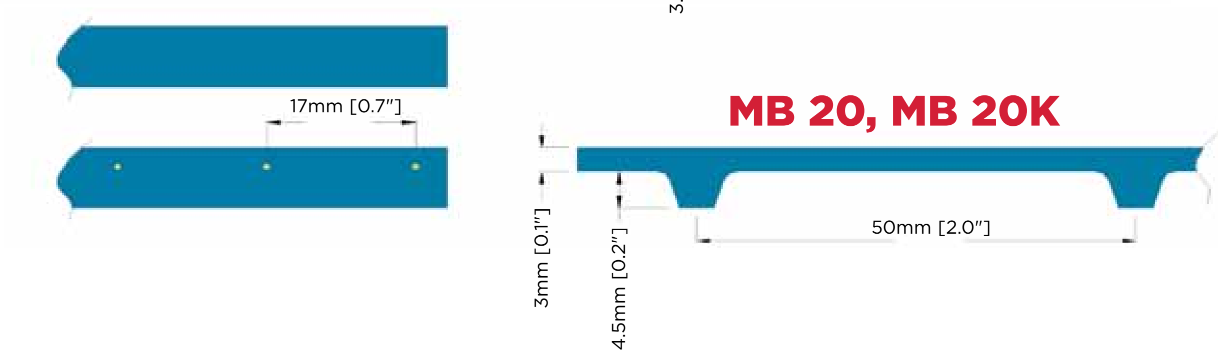
MEGABLUE

Food Grade Positive Drive Belts

MB 10, MB 10K



MB 20, MB 20K



FDA APPROVED FOR FOOD CONTACT

		MB 10		MB 20	
		Normal version	Kevlar® version	Normal version	Kevlar® version
Nominal Pitch	mm inches	25.4 1"		50 2"	
Belt maximum allowable tension	N/25, 4mm of width	200	220	200	220
Belt max, allowable tension with finger joint Belt max, allowable tension with Alligator® stainless rivets system Belt max, allowable tension with Alligator® plastic rivets system		See "Fastening Options" on the next page			
Belt weight	g/cm(W)/m(L) lbs./inch(W)/ft(L)	30 0.048		60 0.099	
Min. diameter of the pulley	mm inches	50.8 2		95 3.74	
Hardness	Shore A	95			
Service Temperature range	°C °F	-25°C -13°F		+70°C +158°F	
Standard color		Blue			
Min. length factory welded belt	mm inches	**1200** for 530mm wide belt **47.25** for 530mm wide belt			
Standard roll length	meters feet	100 328		100 328	
Standard tension member pitch	mm inches	-- --	17 0.67	-- --	17 0.67
Maximum available width	mm inches	530 21		530 21	
Coefficient of friction on back side	PU vs. stainless steel PU vs. UHMWPE	0.69-0.86 0.17-0.30			
Coefficient of friction on teeth side	PU vs. stainless steel PU vs. UHMWPE	0.58-0.69 0.22-0.31			

Custom construction and rework upon request.

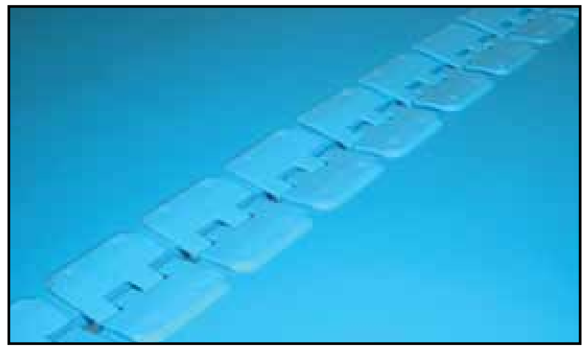
*Kevlar is a registered trademark of DuPont
*Alligator is a registered trademark of Flexco

MEGABLUE
Food Grade Positive Drive Belts

FASTENING OPTIONS

Finger Joint

FINGER JOINT
The "Finger Joint" factory weld assures high break resistance, thanks to the improved length of the surface of contact and the overlap of tension members where present.



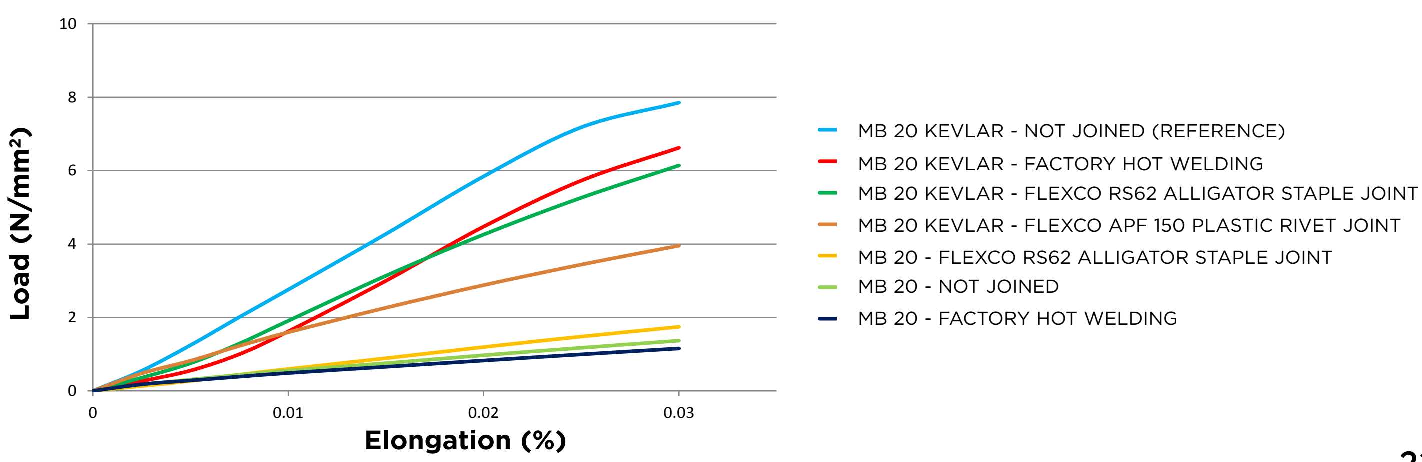
Plastic Rivet Joint

PLASTIC RIVET JOINT
The "Plastic Rivet" joint is ideal in those applications where the belt needs to be constantly assembled and disassembled to be cleaned and rinsed.

Metal Staples Joint

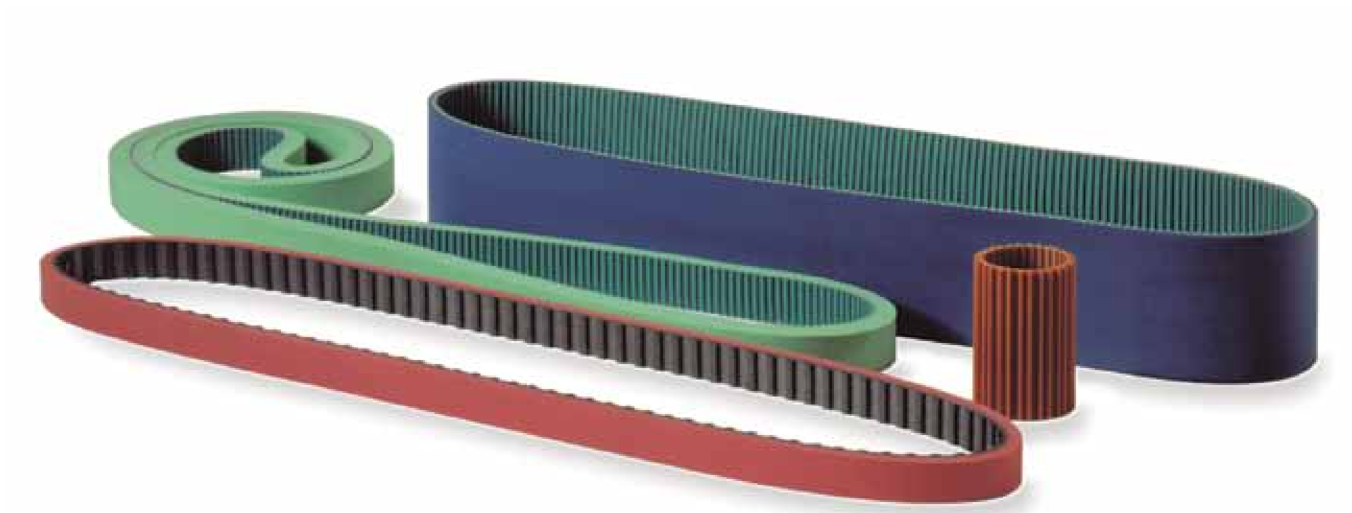
METAL STAPLES JOINT
All of the advantages of a system that can be assembled and disassembled, linked with the strength of metal staples. Stainless steel avoids any deposit of rust caused by the continuous contact of the belt with water.

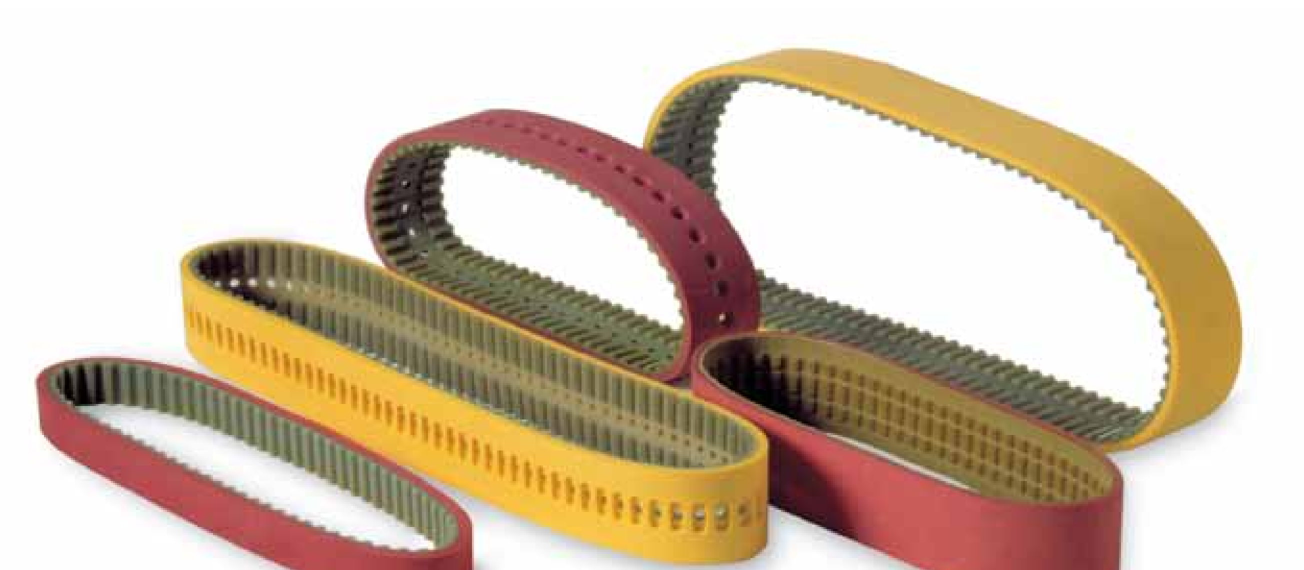
ELONGATION GRAPH



SPECIAL

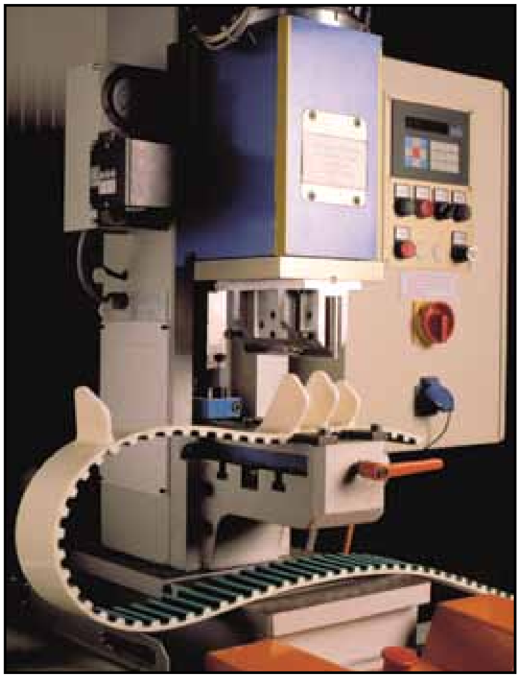
Special Backings, Fabrics Profiles, Pitches, Widths





SPECIAL

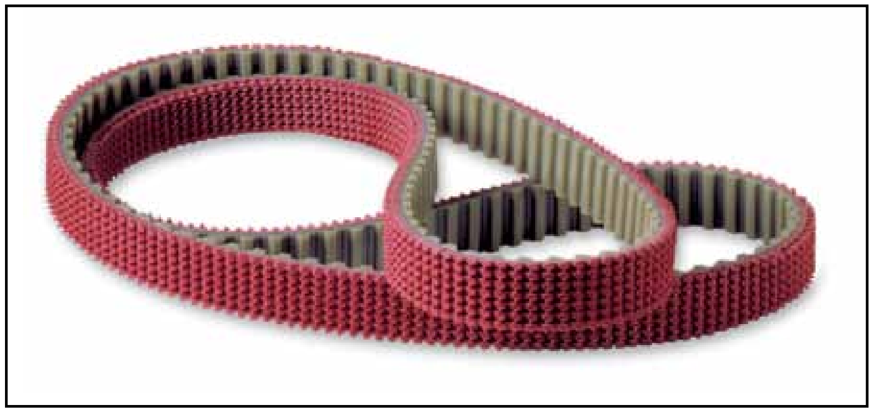
Special Backings, Fabrics Profiles, Pitches, Widths

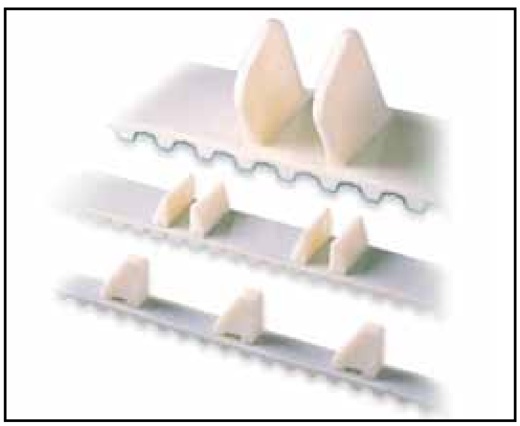


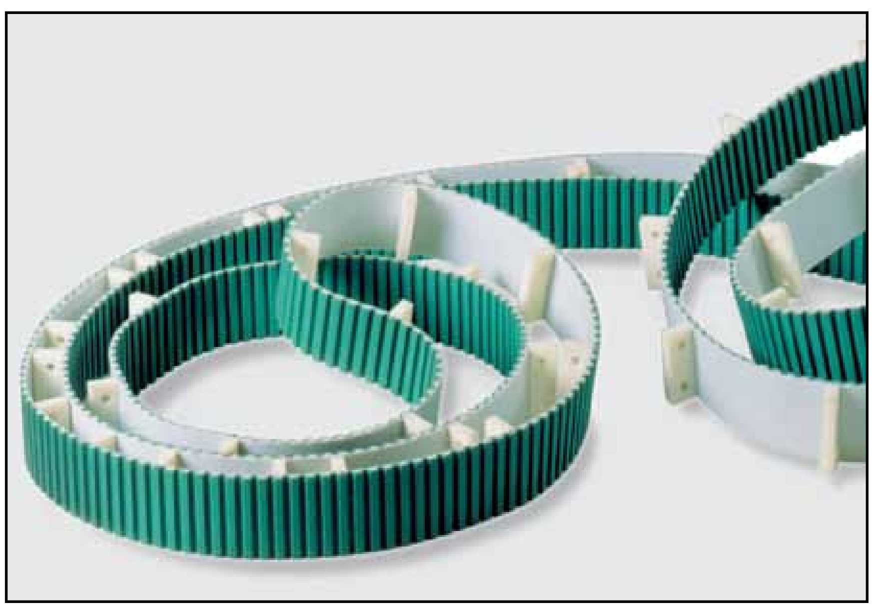
All **SPECIAL Belts** can be manufactured in a standard or special construction, according to customer specific requirements.

Jason Urethane belts can be made with a variety of welded-on profiles to handle your specific application. These profiles can be used as indexers, actuators, carriers and pushers. They provide accuracy to assembly, packaging and inserting operations.

Custom profile designs are possible.





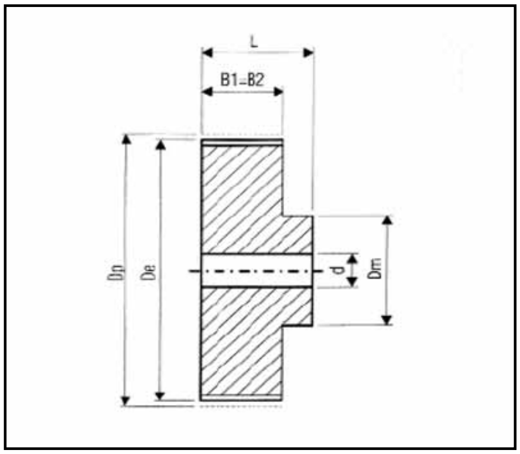


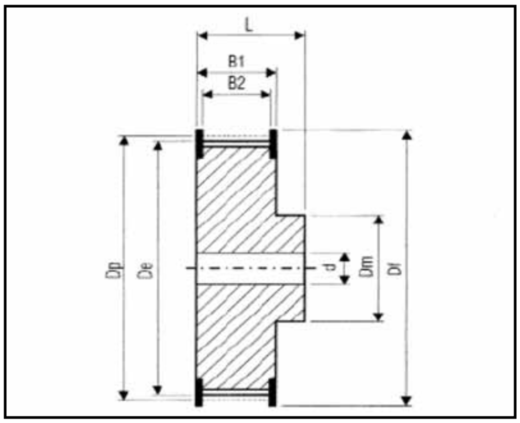
PULLEYS/ CLAMPING PLATES

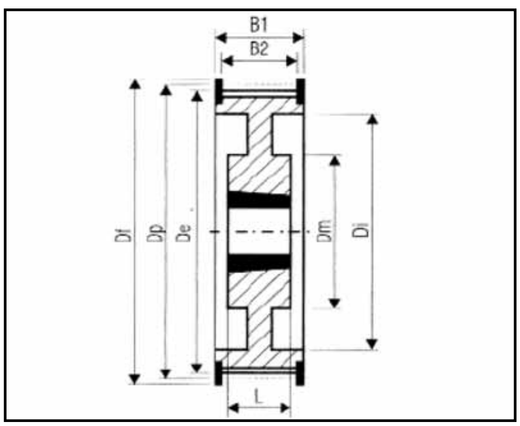
Imperial (Trapezoidal) HG, HTD, Metric, RPP

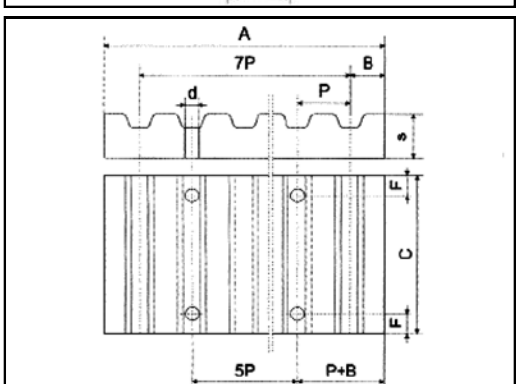
PULLEYS/ CLAMPING PLATES

Imperial (Trapezoidal) HG, HTD, Metric, RPP



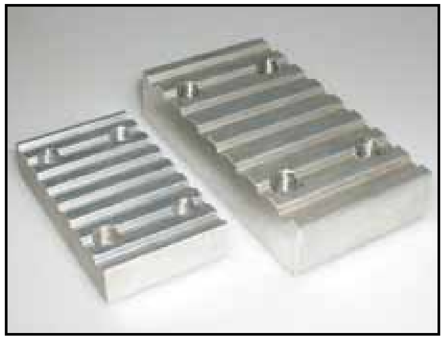


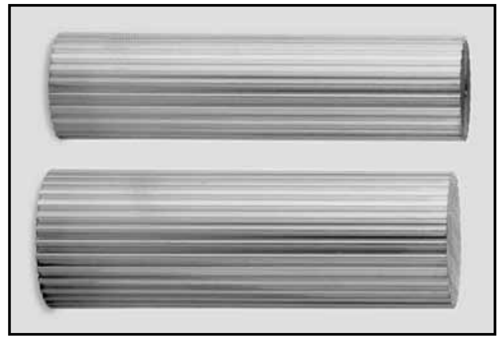




XL - L - H - T5 - T10 - T20 - AT5 - AT10 - AT20

Jason can supply complete drives and provide either standard pulleys, made in accordance to ISO spec, or customer specific requirements. **Fixing plates** are used to fasten the ends of open belting. Upon request, plates can be delivered **with or without fixing holes**. Plates are delivered in aluminum alloy.





FIXING PLATES FOR IMPERIAL (TRAPEZOIDAL) BELTS (mm)

TYPE	F	d	B	A	S	C Belt Width (inch)								
						025	037	050	075	100	150	200	300	400
XL	6.0	5.5	3.5	42.5	8.0	25.5	28.5	32.0	38.0	48.0	-	-	-	-
L	8.0	9.0	5.0	76.6	15.0	-	36.0	39.0	45.0	51.5	64.0	77.0	-	-
H	10.0	11.0	9.0	106.9	22.0	-	-	45.0	51.0	57.5	70.0	83.0	108.0	134.0

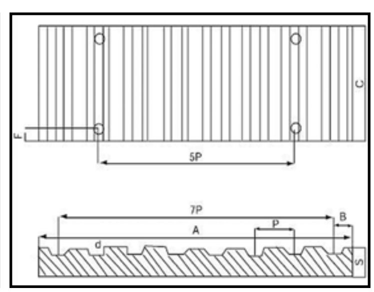
FIXING PLATES FOR METRIC BELTS (mm)

TYPE	F	d	B	A	S	C Belt Width (inch)							
						6	10	16	25	32	50	75	100
T5-AT5	6.0	5.5	3.2	41.8	8.0	25.0	29.0	35.0	44.0	51.0	61.0	-	-
T10-AT10	8.0	9.0	5.0	80.0	15.0	-	-	41.0	50.0	57.0	75.0	100.0	125.0
T20-AT20	10.0	11.0	10.0	160.0	20.0	-	-	-	56.0	65.0	81.0	106.0	132.0

FIXING PLATES FOR HTB® BELTS (mm)

TYPE	F	d	B	A	S	C Belt Width (inch)									
						10	15	20	25	30	40	50	55	85	100
5m	6.0	5.5	3.2	41.8	8.0	28.0	34.0	-	44.0	-	-	61.0	-	-	-
8m	8.0	9.0	5.0	66.0	15.0	35.0	40.0	45.0	-	55.0	-	75.0	-	110.0	125.0
14mm	10.0	11.0	9.0	116.0	22.0	-	-	-	56.0	-	71.0	-	86.0	116.0	132.0

Imperial (Trapezoidal)	MXL - XL - L - H - XH - XXH - HG
HTD	3M - 5M - 8M - 14M
METRIC	T2.5 - T5 - T10 - T20 - AT3 - AT5 AT10 - AT20 - TG5 - TG10 - TG20 ATG10
RPP®	RPP5 - RPP8 - RPP14



URETHANE DRIVE ASSISTANCE DATA SHEET

Company:

Address:

City: State: Zip Code:

Contact Name:

Telephone: E-Mail:

GENERAL INFORMATION

*Application:

Model/Project Name:

New or Existing Design:

If Existing, What Type of Drive?

If Existing, Current Supplier?

*Number of Units Per Year?

MOTOR DATA

*Type of Motor:

*Power (hp):

*Speed (rpm):

*Pulley (Diameter or No. of Teeth):

Shaft Diameter (in.):

Maximum Bearing Load (lbs.):

DRIVEN DATA

*Speed (rpm):

*Pulley (Diameter or No. of Teeth):

Shaft Diameter (in.):

Maximum Bearing Load (lbs.):

CENTER DISTANCE

*Desired Center Distance (in.):

*Minimum Center Distance (in.):

*Maximum Center Distance (in.):

OPERATING CONDITIONS

*Daily Duty Cycle (Select One): Intermittent (8 hrs.) Normal (8-16 hrs.) Continuous (16+ hrs.)

Operating Temperature (°F):

ADDITIONAL INFORMATION

***Indicates mininum information required to perform drive calculation.**

GLOSSARY OF POLYURETHANE TERMS

AVAFC - Belt backing used for conveying abrasive materials, with high friction coefficient, very good resistance to oils and very good resistance to abrasion.

Backings – Some belts can be modified by adding a backing to achieve abrasion resistance, desired coefficient of friction, or to act as a cushion. Backings can also be ground to create pockets for product transfer as in vacuum applications.

Endless Joined – Generally, an open-end belt that has been joined to form and endless belt via a splice or joint.

FDA/Food Grade – Polyurethane material is generally acceptable for use in food applications, while rubber is not.

Finger Joint – Splicing technique for thermoplastic belts where ends of belt are cut in v-shaped “fingers,” which mesh together and are melted or welded together to form an endless belt.

Mandrel Molded – Generally, a belt made on a round steel tool with continuously wound (spiral) cords and needs no splice to form an endless belt.

NFT – Nylon Fabric on Teeth.

NFB – Nylon Fabric on Back.

Open-End – Generally, a belt that must be spliced together via a finger joint or a mechanical joint to form an endless belt. Belts can also be used in open-end configuration, as is common in linear motion drives.

Polyurethane - A high-grade plastic with better abrasion, cut, impact, and tear resistance than rubber or many other plastics (also known as Urethane).

PU – The abbreviation of Polyurethane.

Shore Hardness - The scale by which a polyurethane component is measured for hardness, typically expressed as "shore A."

Thermoplastic - A urethane which can be repeatedly softened or melted and which will harden to a new shape when cooled. Thermoplastic materials can be heated to become re-moldable and weld-able. This allows thermoplastic belts to be easily spliced by reheating the material and melting it to form an endless belt via a joint or splice.

Thermoset – A urethane which cures using heat (or catalyst). The material is chemically cross-linked and cannot be reprocessed. Thermosets, unlike thermoplastics, can be used at elevated temperatures. An irreversible cure - Thermoset materials cannot be melted and reshaped after it is cured. Not able to weld cleats.

Truly Endless – A construction that yields a long length truly endless (no splice) belt without the need for a mandrel. Our Megaflex® is an example of this type of construction.

TERMS, CONDITIONS AND LIMITED WARRANTY OF SALE

All prices, terms and conditions of sale are subject to change without prior notice. Buyer agrees to all terms and conditions of seller upon the placement of any and all purchase orders.

GENERAL

- All orders are subject to a minimum charge of $25.00.
- All claims must be made within seven (7) days of receipt of merchandise.
- The company reserves the right at all times to reject any and all orders for any reason.

PAYMENT TERMS

- Net 30 days (to approved and qualified accounts).
- We reserve the right to hold shipments against past due accounts.
- Seller may require full or partial payment in advance if, in its sole judgement, the financial condition of the buyer does not justify the terms specified.
- All past due accounts are subject to a late payment charge of 1.5% per month, or maximum allowed by law if different, along with the expenses incidental to collection including reasonable attorney's fees.
- Returned checks are subject to a minimum $50.00 charge.

ACCEPTANCE, ALTERATION AND CANCELLATION OF ORDERS

Orders for other than standard items or standard lengths may not be cancelled after purchase has been committed, production scheduled or any costs incurred.

RETURN OF DEFECTIVE MERCHANDISE

Defective or failed material to be held at the buyer's premises until authorization has been granted by seller to return or dispose of merchandise. Merchandise to be returned for final inspection must be returned Freight Prepaid in the most economical way. Credit will be issued for material found to be defective upon our inspection based on prices at time of purchase.

MERCHANDISE SHIPPED IN ERROR

Buyer must notify seller immediately on any merchandise shipped in error. Upon notification, merchandise is to be returned to seller either via truck on a Freight Collect basis, via carrier of our choice, or via UPS on a Freight Prepaid basis. Buyer will be reimbursed for cost of merchandise, plus any additional freight which may have been incurred due to shipping error.

MERCHANDISE ORDERED IN ERROR

Standard packaged merchandise only may be returned, provided that the merchandise is in the original buyer's possession not more than 30 days. If merchandise is accepted for return, merchandise must be returned Freight Prepaid, and buyer will be charged a minimum of 15% rehandling charge, plus a chargeback for outbound freight charges if the original order was shipped prepaid. Returns are not accepted for any merchandise that is specifically manufactured to meet the buyer's requirement of either specifications or large quantity.

DELIVERY, DAMAGES, SHORTAGES

Delivery to the initial common carrier shall constitute the delivery to the buyer. Our responsibility, insofar as transportation risks are concerned, ceases upon the delivery of the merchandise in good condition to such a carrier, and all the merchandise shall be shipped at the buyer's risk.

GOODS DAMAGED IN SHIPMENT

Upon receipt of shipment, any evidence of damage to original shipping package must be reported by the receiving party and a claim made with the delivering carrier upon receipt of shipment.

CONCEALED DAMAGE

Any evidence of damage to material shipped, upon the opening of the original shipping package, must be reported by the receiving party to and a claim made with the delivering carrier without delay.

LIMITED WARRANTY

The merchandise or products sold or distributed by Jason Industrial Inc. are warranted to our customers to be free from defects in material and workmanship at the time of shipment by us. All warranty claims shall be made within 90 days after we have shipped the merchandise. Our liability hereunder is limited to the purchase price of any merchandise proved defective, or, at our option, to the replacement of such merchandise upon its authorized return to us.

THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE CREATED UNDER APPLICABLE LAW INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL WE BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING LOSS OF PROFITS.

Jason Industrial Inc.®

A MEGADYNE GROUP CO.

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- Sheaves, Pulleys & Accessories
- Industrial Hose & Couplings
- Skirtboard Rubber

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Carol Stream, IL

Tampa, FL

Los Angeles, CA

Dallas, TX

Megadyne America
Charlotte, NC

TBMC - Greenville, SC

Other Jason Industrial Locations:

- Sorocaba - Sao Paulo Brazil
- Azcapotzalco, Mexico
- Mississauga, Ontario Canada
- Edmonton, Alberta Canada
- Dorval, Quebec Canada

Contact Jason Industrial for additional information. Visit us online at

www.jasonindustrial.com

MEGADYNE

Jason Industrial Inc.®
A MEGADYNE GROUP CO.

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Ph: 973-227-4904
Fax: 973-227-1651
www.jasonindustrial.com

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*MANUFACTURING FACILITIES

HARDI
Contributing Member 2012-2013

PTDA

NIBA

