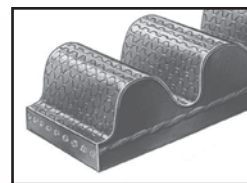


HTB® HIGH TORQUE SYNCHRONOUS BELTS



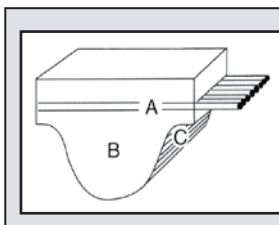
HTB® High-Torque Belts - 3M, 5M, 8M, 14M Curvilinear Tooth Profile (Oil, Heat & Abrasion Resistant)



The standard trapezoidal tooth timing belt design performs poorly in high-torque applications and high-power drives at lower speeds. To overcome this disadvantage, the High-Torque Belt (HTB®) was developed using a more efficient tooth profile.

Among the advantages are:

- Higher torque transmission at low speeds
- High power transmission over a wide speed range
- Improved meshing to reduce tooth jump
- Higher resistance to tooth shear
- Less tooth wear due to friction



- A.** A high-modulus fiberglass cord is wound across the entire width of the belt pitch line ensuring minimal stretch and resistance to repeated flexing.
- B.** The body is a synthetic chloroprene compounded to resist flex fatigue, heat, ozone, mineral lubricating oils and aging.
- C.** A tough nylon fabric is bonded to the tooth surface for wear resistance.

Stock 5mm, 8mm and 14mm pitch HTB® Synchronous Belts are listed below. Non-standard lengths in these pitches are also available, as are belts with 3mm pitch.

3M - 3mm HTB® Synchronous Belts

Many lengths are in stock and can be cut to the desired width. Additional 3mm pitch HTB® Belt sizes are available on a made-to-order basis. Please check with Jason/Megadyne for availability. HTB® Synchronous Belts are specified by belt pitch length, tooth pitch and belt width in millimeters.

Example: 720-8M-30

PART NUMBER DESIGNATION

720-8M-30

720 = Belt pitch length in millimeters = 720mm

8M = Tooth pitch in millimeters = 8mm

30 = Belt width in millimeters = 30mm

Pitch Code	Tooth Pitch (mm)	Standard Widths/Width Codes (mm)											Pitch Lengths
		9	15	20	25	30	40	50	55	85	115	170	
5M	5	09	15	-	25	-	-	-	-	-	-	-	215 thru 2525mm
8M	8	-	-	20	-	30	-	50	-	85	-	-	480 thru 4400mm
14M	14	-	-	-	-	-	40	-	55	85	115	170	966 thru 4578mm

NOTE: Widths shown are considered standard, but HTB® Synchronous Belts can be cut to any width desired.

Features & Benefits

- **Fiberglass Tensile Cord** - High dimensional stability and maximum flexibility
- **Chloroprene Belt Body** - Oil, heat and ozone resistance; high tooth shear resistance
- **Nylon Tooth Cover** - Durability and wear resistance, increased power capacity

Construction

Compound - Chloroprene

Cord - Fiberglass

Tooth Cover - Nylon

Applications - Drives requiring premium efficiency or synchronous operation and higher power capacity than trapezoidal timing belts. Used on conveyors, industrial equipment, machine tools, hand power tools and agricultural equipment where high power density is needed.

Engineering Standards - Conforms to ARPM standard IP-27

Recommended Pulleys - Use pulleys made to ARPM standards

Non-Standard Lengths - Contact Jason/Megadyne



HTB® HIGH TORQUE SYNCHRONOUS BELTS

3mm HTB® SYNCHRONOUS BELTS

Many sizes in stock. Other 3mm Pitch HTB® Belts are available on a made-to-order basis. Please check with Jason/Megadyne for availability.

5mm HTB® SYNCHRONOUS BELTS

Belt Type	Pitch Length (mm)	Number of Teeth	Approx. Wt. (lbs.) 09mm	Approx. Wt. (lbs.) 15mm	Approx. Wt. (lbs.) 25mm	Belt Type	Pitch Length (mm)	Number of Teeth	Approx. Wt. (lbs.) 09mm	Approx. Wt. (lbs.) 15mm	Approx. Wt. (lbs.) 25mm
215-5M	215	43	0.019	0.032	0.054	640-5M	640	128	0.056	0.094	0.157
225-5M	225	45	0.020	0.034	0.056	665-5M	665	133	0.058	0.097	0.160
240-5M	240	48	0.022	0.036	0.060	670-5M	670	134	0.058	0.098	0.162
265-5M	265	53	0.024	0.040	0.066	675-5M	675	135	0.059	0.099	0.164
270-5M	270	54	0.024	0.041	0.068	680-5M	680	136	0.059	0.099	0.165
300-5M	300	60	0.026	0.044	0.073	700-5M	700	140	0.061	0.102	0.170
320-5M	320	64	0.028	0.047	0.078	725-5M	725	145	0.064	0.106	0.176
325-5M	325	65	0.029	0.048	0.080	740-5M	740	148	0.065	0.108	0.179
330-5M	330	66	0.029	0.049	0.082	750-5M	750	150	0.066	0.110	0.175
345-5M	345	69	0.030	0.050	0.084	755-5M	755	151	0.066	0.111	0.184
350-5M	350	70	0.031	0.051	0.085	770-5M	770	154	0.068	0.113	0.188
355-5M	355	71	0.031	0.052	0.086	800-5M	800	160	0.070	0.117	0.194
360-5M	360	72	0.032	0.053	0.088	825-5M	825	165	0.072	0.120	0.197
370-5M	370	74	0.032	0.054	0.090	835-5M	835	167	0.073	0.121	0.201
375-5M	375	75	0.033	0.055	0.091	850-5M	850	170	0.074	0.124	0.206
400-5M	400	80	0.035	0.059	0.098	860-5M	860	172	0.075	0.126	0.210
420-5M	420	84	0.036	0.060	0.100	890-5M	890	178	0.078	0.130	0.216
425-5M	425	85	0.037	0.061	0.101	925-5M	925	185	0.081	0.135	0.224
450-5M	450	90	0.039	0.066	0.110	935-5M	935	187	0.082	0.136	0.226
460-5M	460	92	0.040	0.067	0.111	950-5M	950	190	0.083	0.138	0.229
465-5M	465	93	0.041	0.068	0.113	980-5M	980	196	0.085	0.142	0.236
475-5M	475	95	0.042	0.070	0.116	1000-5M	1000	200	0.087	0.145	0.241
500-5M	500	100	0.044	0.073	0.121	1050-5M	1050	210	0.092	0.153	0.254
525-5M	525	105	0.049	0.076	0.127	1125-5M	1125	225	0.098	0.164	0.272
535-5M	535	107	0.050	0.078	0.130	1240-5M	1240	248	0.109	0.181	0.301
550-5M	550	110	0.050	0.082	0.137	1270-5M	1270	254	0.111	0.185	0.307
565-5M	565	113	0.051	0.083	0.138	1420-5M	1420	284	0.124	0.206	0.342
575-5M	575	115	0.051	0.084	0.139	1500-5M	1500	300	0.131	0.218	0.364
580-5M	580	116	0.051	0.085	0.141	1595-5M	1595	319	0.139	0.231	0.384
600-5M	600	120	0.053	0.088	0.146	1790-5M	1790	358	0.159	0.260	0.432
610-5M	610	122	0.054	0.090	0.149	1800-5M	1800	360	0.160	0.261	0.433
615-5M	615	123	0.054	0.090	0.151	1870-5M	1870	374	0.167	0.271	0.452
625-5M	625	125	0.055	0.092	0.153	2000-5M	2000	400	0.178	0.281	0.467
635-5M	635	127	0.056	0.093	0.154	2525-5M	2525	505	0.225	0.354	0.588

8mm HTB® SYNCHRONOUS BELTS

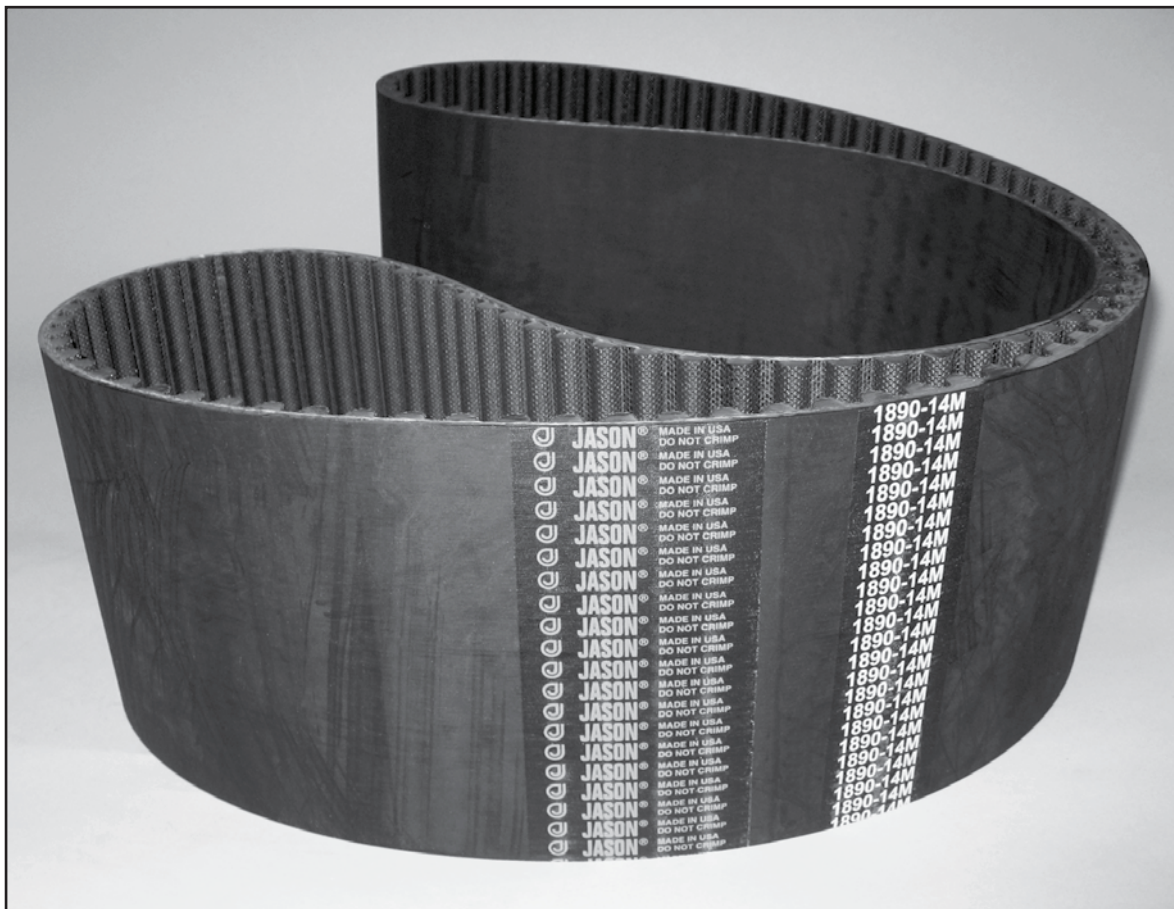
Belt Type	Pitch Length (mm)	Number of Teeth	Approx. Wt. (lbs.) 20mm	Approx. Wt. (lbs.) 30mm	Approx. Wt. (lbs.) 50mm	Approx. Wt. (lbs.) 85mm	Belt Type	Pitch Length (mm)	Number of Teeth	Approx. Wt. (lbs.) 20mm	Approx. Wt. (lbs.) 30mm	Approx. Wt. (lbs.) 50mm	Approx. Wt. (lbs.) 85mm
480-8M	480	60	0.13	0.20	0.34	0.57	1224-8M	1224	153	0.35	0.51	0.85	1.45
536-8M	536	67	0.14	0.23	0.38	0.63	1248-8M	1248	156	0.35	0.53	0.87	1.49
560-8M	560	70	0.16	0.23	0.39	0.66	1280-8M	1280	160	0.36	0.53	0.89	1.51
600-8M	600	75	0.17	0.25	0.42	0.71	1328-8M	1328	166	0.38	0.55	0.92	1.57
624-8M	624	78	0.18	0.26	0.43	0.74	1344-8M	1344	168	0.38	0.58	0.95	1.60
632-8M	632	79	0.18	0.27	0.44	0.75	1360-8M	1360	170	0.38	0.59	0.98	1.63
640-8M	640	80	0.18	0.27	0.45	0.76	1440-8M	1440	180	0.40	0.60	1.01	1.71
656-8M	656	82	0.17	0.25	0.42	0.71	1520-8M	1520	190	0.42	0.64	1.06	1.80
720-8M	720	90	0.19	0.27	0.45	0.76	1600-8M	1600	200	0.45	0.67	1.11	1.90
760-8M	760	95	0.21	0.31	0.52	0.89	1760-8M	1760	220	0.49	0.73	1.23	2.07
800-8M	800	100	0.22	0.33	0.56	0.96	1800-8M	1800	225	0.50	0.75	1.25	2.12
840-8M	840	105	0.24	0.35	0.58	0.99	2000-8M	2000	250	0.56	0.83	1.39	2.36
880-8M	880	110	0.25	0.37	0.61	1.05	2104-8M	2104	263	0.60	0.88	1.50	2.45
912-8M	912	114	0.26	0.38	0.64	1.07	2248-8M	2248	281	0.64	0.96	1.60	2.72
920-8M	920	115	0.26	0.38	0.64	1.10	2400-8M	2400	300	0.68	1.00	1.66	2.82
960-8M	960	120	0.27	0.40	0.67	1.14	2600-8M	2600	325	0.74	1.08	1.80	3.06
1040-8M	1040	130	0.29	0.43	0.74	1.24	2800-8M	2800	350	0.80	1.16	1.92	3.29
1120-8M	1120	140	0.31	0.47	0.78	1.33	3048-8M	3048	381	0.86	1.29	2.16	3.68
1152-8M	1152	144	0.34	0.50	0.84	1.46	3600-8M	3600	450	1.02	1.53	2.56	4.35
1200-8M	1200	150	0.34	0.50	0.84	1.42	4400-8M	4400	550	1.25	1.32	3.01	5.16

HTB® HIGH TORQUE SYNCHRONOUS BELTS



14mm HTB® SYNCHRONOUS BELTS

Belt Type	Pitch Length (mm)	Number of Teeth	Approx. Wt. (lbs.) 40mm	Approx. Wt. (lbs.) 55mm	Approx. Wt. (lbs.) 85mm	Approx. Wt. (lbs.) 115mm	Approx. Wt. (lbs.) 170mm
966-14M	966	69	0.84	1.15	1.78	2.40	3.55
1190-14M	1190	85	1.02	1.42	2.20	2.98	4.39
1400-14M	1400	100	1.20	1.67	2.57	3.50	5.15
1610-14M	1610	115	1.40	1.92	2.95	4.02	5.95
1778-14M	1778	127	1.52	2.13	3.25	4.45	6.55
1890-14M	1890	135	1.62	2.26	3.49	4.73	6.95
2100-14M	2100	150	1.80	2.50	3.88	5.25	7.75
2310-14M	2310	165	2.00	2.75	4.26	5.75	8.50
2450-14M	2450	175	2.12	2.93	4.52	6.10	9.00
2590-14M	2590	185	2.25	3.10	4.78	6.45	9.55
2800-14M	2800	200	2.43	3.34	5.15	7.00	10.30
3150-14M	3150	225	2.73	3.77	5.80	7.85	11.60
3360-14M	3360	240	2.90	4.02	6.20	8.35	12.35
3500-14M	3500	250	3.00	4.19	6.45	8.75	12.90
3850-14M	3850	275	3.30	4.60	7.10	9.62	14.20
4326-14M	4326	309	3.70	5.17	8.00	10.80	15.95



BELT SLEEVE CUTTING

Jason Industrial keeps all of our ribbed, banded and synchronous belting products in sleeve form. This allows for maximum flexibility when it comes to your urgent requests. From this sleeve stock, we can cut to conventional industry standard dimensions. Or, if you need special non-stock belt widths, we can quickly measure and execute your exact request - this can include custom branding or part numbers.