

BANDO

PT. BANDO INDONESIA
<http://www.bandoindonesia.com>

SYNCHRONOUS BELT

High Durability! Precise!

BELT TYPE	BELT NUMBER STANDARD LENGTH
MXL (Rubber)	44 45 48 50 52 53 54 55 56 57 59 60 61 62 63 64 65 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 108 109 110 112 114 115 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 134 135 137 138 140 142 144 145 146 148 150 151 155 158 159 160 162 163 164 165 159 170 175 177 180 184 188 190 192 195 196 200 204 205 208 210 212 215 220 221 222 224 225 226 228 230 232 234 236 239 240 245 248 249 250 251 255 256 260 262 265 268 271 273 275 280 281 285 288 290 295 297 300 305 308 310 312 315 316 320 323 326 328 330 332 334 336 337 347 350 354 355 358 359 360 364 365 371 372 380 388 397 400 402 405 410 413 425 431 434 435 440 448 453 464 468 473 475 480 487 493 498 550 516 522 524 525 534 550 591 612 668
XL (Rubber)	50 60 64 68 70 72 74 76 78 80 84 88 90 92 94 96 98 100 102 104 106 108 110 112 114 116 118 120 122 124 126 128 130 132 134 136 138 140 142 144 146 148 150 152 154 156 158 160 162 164 166 168 170 172 174 176 178 180 182 184 188 190 194 196 198 200 202 206 208 210 212 214 216 220 222 224 228 230 234 240 244 248 250 260 262 266 270 276 280 282 290 300 310 314 320 322 330 340 344 348 352 356 360 364 370 372 376 384 386 388 390 396 400 408 424 430 450 456 460 470 490 496 510 540 564 592 608 630 638 686 828 860 888 900 908 914 926 1014 1020
L (Rubber)	98 109 124 135 150 165 169 172 187 203 210 218 225 240 248 255 263 270 277 285 300 304 315 320 322 334 337 345 367 375 382 390 394 420 427 436 439 446 450 465 480 510 514 525 540 548 581 600 605 619 630 640 653 660 697 728 731 767 780 788 806 855 863 881 915 919 938 1294
H (Rubber)	185 225 230 240 245 270 200 300 310 315 320 330 340 350 360 370 375 390 400 410 420 430 450 465 480 490 510 530 540 560 565 570 580 600 605 630 640 650 660 680 700 730 750 760 770 800 810 820 840 850 860 880 900 950 985 1000 1020 1050 1100 1130 1140 1250 1325 1350 1400 1680 1700
XH (Rubber)	507 560 630 700 735 770 840 875 927 980 1120 1260 1400 1540 1750
XXH (Rubber)	700 800 900 1000 1200 1400 1600 1800 1915

BELT	BELT WIDTH											
	025	031	037	050	075	100	150	200	300	400	500	600
INCH	1/8	3/16	1/4	5/16	3/8	1/2	3/4	1	1 1/2	2	3	4
MM	3.2	4.6	6.4	7.9	9.5	12.7	19.0	25.4	38.1	50.8	76.2	101.6
MXL	•	•	•	•	•	•	•	•	•	•	•	•
XL	•	•	•	•	•	•	•	•	•	•	•	•
L	•	•	•	•	•	•	•	•	•	•	•	•
H	•	•	•	•	•	•	•	•	•	•	•	•
XH	•	•	•	•	•	•	•	•	•	•	•	•
XXH	•	•	•	•	•	•	•	•	•	•	•	•

BELT TYPE	BELT NUMBER STANDARD LENGTH
S2M (Rubber)	86 88 90 92 94 98 100 102 104 106 108 112 114 116 118 120 122 124 126 128 130 132 134 138 140 142 144 148 150 152 156 158 160 162 164 166 168 170 172 174 176 178 180 182 184 186 190 192 194 198 200 202 204 210 212 214 216 218 220 222 224 226 230 232 234 236 238 240 242 244 248 250 254 256 258 260 262 264 266 272 274 278 280 282 284 286 288 290 292 296 300 308 310 312 314 316 318 320 322 324 326 328 330 332 338 340 342 344 350 360 364 370 372 374 376 380 386 390 396 400 406 408 416 420 426 428 438 448 452 454 460 468 474 486 490 4494 500 520 530 352 540 550 558 560 572 580 692 700 710 742 752 754 766 796 800 810 826 898 900 940 946 950 984 1000 1032 1036 1066 1074 1100 1110 1136 1154 1166 1224 1228
S3M (Rubber)	123 129 144 150 156 159 162 168 171 174 177 180 183 186 189 192 195 198 201 204 207 210 213 219 222 225 228 234 237 240 243 246 249 252 255 258 264 267 270 273 276 279 282 285 288 291 297 300 303 309 312 315 318 324 327 330 333 336 339 342 351 354 360 363 366 369 372 375 378 384 387 390 396 399 402 405 408 417 420 423 426 432 438 444 447 453 459 468 471 474 480 486 489 492 498 501 507 513 516 519 522 525 534 537 540 549 552 555 564 573 579 588 597 600 609 621 633 648 657 660 666 681 690 699 726 735 6741 750 768 771 789 804 810 825 852 882 885 888 900 918 927 936 990 1119 1134 1146 1188 1299 1419 1530
S4.5M (Rubber)	162 180 198 225 239 252 279 284 315 324 351 383 396 450 491 504 518 558 563 612 630 711 729 801 1031 2111
S5M (Rubber)	225 230 256 275 295 300 320 325 350 375 380 390 400 410 420 425 435 440 445 450 475 490 500 520 525 550 560 565 570 575 600 625 635 645 650 665 670 675 695 700 710 725 740 750 765 770 775 800 810 830 850 860 870 900 920 940 950 965 975 1000 1025 1050 1125 1135 1145 1195 1225 1250 1260 1270 1295 1350 1420 1595 1715 1800 2000
S8M (Rubber)	352 384 408 424 456 480 520 828 560 584 600 632 640 656 672 680 712 720 728 780 800 824 840 848 880 888 896 920 944 960 976 984 1000 1032 1040 1056 1096 1120 1136 1152 1160 1184 1192 1200 1216 1224 1240 1248 1272 1280 1296 1312 1344 1352 1600 1728 1760 1776 1800 1808 1880 1952 2000 2120 2160 2240 2304 2400 2496 2560 2600 2800 2880 2944 3200 3600 3720 3904 4400
S14m (Rubber)	1008 1120 1190 1246 1400 1540 1610 1652 1778 1806 1890 1904 2002 2100 2240 2310 2380 2450 2506 2590 2660 2800 3150 3246 3500 3556 3850 4004 4060 4326 4508 5012

wWidth Mark	40	60	100	150	200	250	400	600	800	100	1200
Width (mm)	4	6	10	15	20	25	40	60	80	100	120
S2M	•	•	•	•	•	•	•	•	•	•	•
S3M	•	•	•	•	•	•	•	•	•	•	•
S4.5M	•	•	•	•	•	•	•	•	•	•	•
S5M	•	•	•	•	•	•	•	•	•	•	•
S8M	•	•	•	•	•	•	•	•	•	•	•
S14M	•	•	•	•	•	•	•	•	•	•	•

BELT TYPE	BELT NUMBER STANDARD LENGTH
HTS8M	384 424 480 560 600 624 640 656 680 720 760 800 840 856 880 896 920 980 1000 1058 1064 1080 1120 1152 1160 1184 1192 1200 1224 1248 1264 1280 1304 1360 1392 1400 1424 1440 1480 1512 1520 1584 1600 1680 1728 1760 1800 1904 2000 2056 2080 2104 2160 2240 2248 2272 2400 2504 2600 2800 3048 3280 3360 3600 4400
HTS14M	966 1092 1190 1344 1400 1456 1540 1610 1680 1778 1890 2002 2100 2198 2310 2450 2590 2660 2800 2940 3150 3360 3500 3850 4004 4326 4578 4956

HBM STANDARD BELT							
Width mm	20.0	30.0	30.0	40.0	50.0	60.0	85.0
Marking	20	52	30	40	50	60	85

H14M STANDARD BELT									
Width mm	30.0	40.0	55.0	70.0	85.0	100.0	115.0	130.0	150.0
Marking	30	40	55	70	85	100	115	130	150

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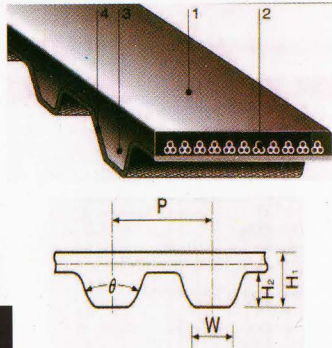
FACTORY :
Jl. Gajah Tunggal Kel. Pasir Jaya
Kecamatan Jati Uwung
Tangerang 15135
TEL : 021-5903920
FAX : 021-5901274

MARKETING OFFICE :
Wisma Hayam Wuruk lantai 6
Suite 600 Jl. Hayam Wuruk No. 8
Jakarta 10120
TEL : 021-351-7590
TEL : 021-351-7591

RUBBER SYNCHRONOUS BELT

CONSTRUCTION

- 1. Choloroprene Rubber backing
- 2. Glass Fiber tensile member
- 3. Choloroprene rubber tooth
- 4. Nylon canvas



SYNCHRO BELT

Type	P	W	H1	H2	θ
MXL	2.032mm (0.080")	0.76mm (0.030")	1.1mm (0.043")	0.51mm (0.020")	40
Mini Synchro					
XL	5.08mm (0.200")	1.35mm (0.054")	2.3mm (0.09")	1.27mm (0.050")	40
Extra Light					
L	9.525mm (0.375")	3.2mm (0.128")	3.6mm (0.14")	1.91mm (0.075")	40
Light					
H	12.7mm (0.500")	4.4mm (0.175")	4.3mm (0.17")	2.29mm (0.090")	40
Heavy					
XH	22.225mm (0.875")	8.0mm (0.313")	11.2mm (0.44")	6.35mm (0.250")	40
Extra Heavy					
XXH	31.75mm (1.250")	12.2mm (0.477")	15.7mm (0.62")	9.53mm (0.375")	40
Double Extra Heavy					

SIZE CODE

140 XL 025 = ① Pitch length inch x10, / Teeth No for MXL
① ② ③ ② BELT Pitch, / Same for MXL
③ BELT Width inch x 100, / Width mm for MXL

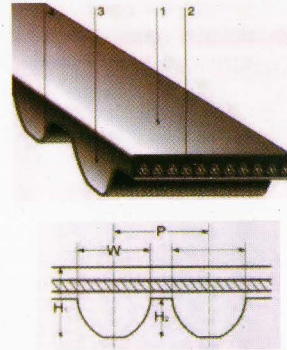
FEATURES

- 1.Non slip
Accurate tooth dimensions and minimal elongation virtually eliminate slippage and speed variation.
- 2.No maintenance
No lubrication is required.
- 3.No High initial tension, thus keeping the bearing load very low.
- 4.Space saving Utilizes small pulleys and short center distance

SUPER TORQUE SYNCHRONOUS (STS) BELTS

CONSTRUCTION

- 1. Choloroprene Rubber backing
- 2. Glass Fiber tensile member
- 3. Choloroprene rubber tooth
- 4. Nylon canvas



STS

Type	P	H1	H2	W
S2M	2.0mm (0.078")	1.31mm (0.052")	0.76mm (0.029")	1.3mm (0.051")
S3M	3.0mm (0.118")	2.1mm (0.083")	1.14mm (0.044")	1.95mm (0.076")
S4.5M	4.5mm (0.177")	2.70mm (0.106")	1.71mm (0.067")	2.93mm (0.115")
S5M	5.0mm (0.197")	3.61mm (0.142")	1.91mm (0.075")	3.25mm (0.128")
S8M	8.0mm (0.315")	5.3mm (0.212")	3.05mm (0.120")	5.20mm (0.205")
S14M	14.0mm (0.551")	10.2mm (0.402")	5.30mm (0.209")	9.10mm (0.358")

Blue letter: HP-type line up

SIZE CODE

600 S8M 1000 = ① BELT Width mm x 10
① ② ③ ② BELT Pitch
③ BELT length mm

FEATURES

- 1. High torque capacity drive
Unique tooth profile enables the belt to transmit higher power
- 2.Lower noise level
Smoother tooth engagement and direct contact of tooth top with the pulley grooves enables the belt to run quietly even at high speeds.

3. Long service life

As the belt tooth meshes with the pulley grooves, the cord lay forms an almost true circle. This minimizes the centilever effect on the cords, resulting in reduced bending fatigue and longer service life.

4.No maintenance

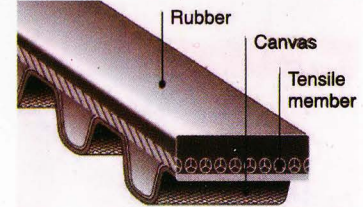
No lubrication

5.Space Saving

Due to Higher Power Transmission Capacity, the belt width and the pulley width can be reduce and the machine can be designed more compactly.

HIGH-PERFORMANCE STS BELTS (HP-S5M, S8M,S14M)

HP-TYPE



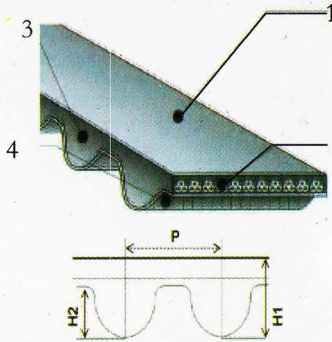
FEATURES

- 1.Exceptionally high power
Transmission capacity for HP-type.
This "High performance STS Belt"
Achieves power transmission
Approximately 1.5 to 2 times as high as that with
conventional STS Belt.
- 2. Compact Design
The high power transmission can minimize the width of belt, thus marking system design as compact as possible.
- 3. Low noise level
The high power transmission can minimize the width of belt, thus accomplishing a low noise operation.

HIGH TORQUE SYNCHRONOUS (HTS) BELTS

CONSTRUCTION

- 1. Choloroprene Rubber backing
- 2. Glass Fiber tensile member
- 3. Choloroprene rubber tooth
- 4. Nylon canvas



HTS

Type	P	H1	H2
H8M	8mm (0.315")	5.3mm (0.209")	3.5mm (0.138")
H14M	14mm (0.551")	10.2mm (0.402")	6.0mm (0.236")

SIZE CODE

600 H14M 1000 = ① BELT Width mm x 10
① ② ③ ② BELT Pitch
③ BELT length mm

FEATURES

- BANDO HTS is curvilinear tooth (Round tooth) profile, Belt and Pulley teeth is mesh smooth and improves stress distribution to high power transmission capacity.
- 1. Tooth rubber
Durable and flexible chloroprene rubber same as backing rubber. Guard the tension member heat, and oil resistance.
- 2. Facing fabric
Tooth surface protected by low friction, wear and abrasion resistant nylon fabric.
- 3. Backing rubber
Durable and flexible chloroprene rubber for abrasion and wear resistance. Also guards the tension members.
- 4.Tension member
Spirally wound high strength glass fiber "S + Z" cord. "S + Z" twist cord provide are low side tracking.