

**Belt standard widths**

Nominal width (S tooth profile)	100	150	200	250	300	400	500	600	800	850	1000	1200
Nominal width (HTS tooth profile)	10	15	20	25	30	40	50	60	80	85	100	120
Width (mm)	10	15	20	25	30	40	50	60	80	85	100	120
HP-S5M	●	●	●	●								
HP-S8M		●		●		●		●				
HP-S14M						●		●	●		●	●
HP-8M			●	●	●	●	●	●		●		

Note: For other belt widths than the above, please contact us.

\* For the S tooth profile, the nominal width is ten times the belt width. For the HTS tooth profile, the nominal width is the belt width.

**Belt dimensional tolerance**

Length	Tolerance
256 or less	±0.20
Over 256 to 384 or less	±0.23
Over 384 to 512 or less	±0.25
Over 512 to 760 or less	±0.30
Over 760 to 1016 or less	±0.33
Over 1016 to 1272 or less	±0.38
Over 1272 to 1528 or less	±0.41
Over 1528 to 1776 or less	±0.43
Over 1776 to 2032 or less	±0.46
Over 2032 to 2288 or less	±0.48
Over 2288 to 2544 or less	±0.51
Over 2544 to 2792 or less	±0.53
Over 2792 to 3048 or less	±0.56
Over 3048 to 3304 or less	±0.58
Over 3304 to 3560 or less	±0.61
Over 3560 to 3808 or less	±0.64
Over 3808 to 4064 or less	±0.66
Over 4064 to 4320 or less	±0.69
Over 4320 to 4576 or less	±0.71

Belt width	Tolerance
6 or less	±0.30
Over 6 to 10 or less	±0.40
Over 10 to 20 or less	±0.50
Over 20 to 30 or less	±0.60
Over 30 to 40 or less	±0.70
Over 40 to 60 or less	±0.80

Belt width	Belt pitch length 840 or less	Belt pitch length 841~1680	Belt pitch length 1681 or more
Over 10 to 40 or less	+0.80 -0.80	+0.80 -1.20	+0.80 -1.20
Over 40 to 50 or less	+0.80 -1.20	+1.20 -1.20	+1.20 -1.60
Over 50 to 75 or less	+1.20 -1.60	+1.60 -1.60	+1.60 -2.00
Over 75 to 100 or less	+1.60 -1.60	+1.60 -2.00	+2.00 -2.00
Over 100	+2.40 -2.40	+2.40 -2.80	+2.40 -3.20

Note) The effective length tolerance is the tolerance of center distance in length measurement.

**ST5-eco (Super-Torque Synchronous Belt Eco)**

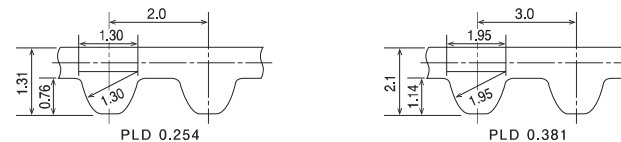
**Product Introduction**

This synchronous belt is designed considering reduction of environmentally hazardous substances.

The mainstream rubber material that had been used in the previous synchronous belts was chloroprene rubber, which contains chlorine. The ecological specification developed this time is composed of ethylene propylene diene monomer (EPDM), which is gaining attention as an environmentally friendly halogen-free polymer, at all rubber sections including adhesion of the cords.

**Product Name and Type** Super-Torque Synchronous Belt Eco (ST5-eco)  
Type: S2M-S3M

**Dimensions**



**Features**

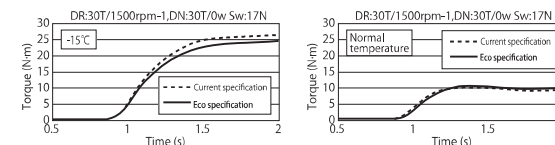
- ① Halogen-free specification (Not containing chlorine)
- ② Excellent ozone resistance
- ③ Excellent cold resistance characteristics

**Ozone resistance**

Ozone concentration	Crack occurrence time (hrs)	
	Current specification	Eco specification
10ppm	Condition 1	4
	Condition 2	360 or more
50ppm	Condition 1	360 or more
	Condition 2	360 or more

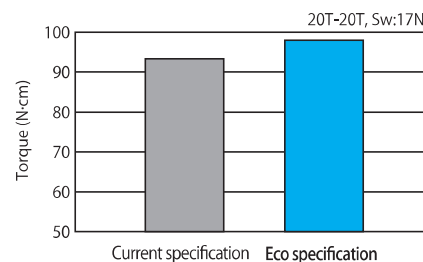
Condition 1 S2M was wound around a 20-tooth pulley and left, and the time of an occurrence of a crack in the back face was checked.  
Condition 2 S2M was left in a free condition, and the time of an occurrence of a crack in the back face was checked.

**Cold resistance (starting torque)**

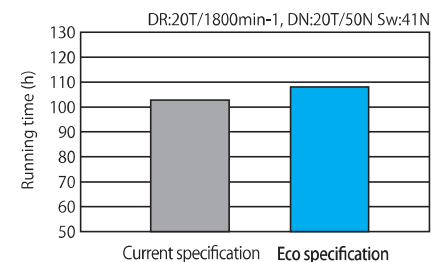


**Belt performance**

**1 Skip torque (Type S2M Width of 4 mm)**



**2 Load durability (40S2M260)**



\*Avoid using this belt in conditions in which oil, grease, or the like adheres to the belt.

\*For compatible sizes, please contact us.

\*For belt design, please contact us.

# STS / Double-Sided STS (Super-Torque Synchronous Belt)

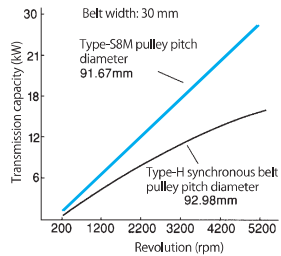
## 1. STS Product Introduction

It has an arc-shaped tooth profile and smoothly meshes with pulleys without interference; hence, it provides stable performance at low speed to high speed. This synchronous belt has high transmission capability with an excellent feature that allows the belt to be designed with a narrow width.

### Features

#### High-torque power transmission

The mesh theory with the unique tooth profile allows high-torque power transmission. STS has no reduction in transmission capability at high speed and provides stable performance at low speed to high speed.



#### Long service life

The belt cords are subject to little fatigue, allowing the belt to have a longer service life than the previous synchronous belts in the same layout.

#### Maintenance-free

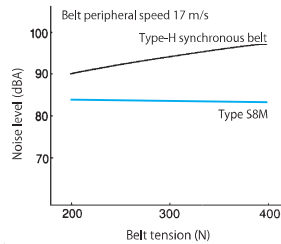
STS has no elongation and requires no re-tensioning. In addition, it saves the trouble of lubrication.

#### Cost reduction possible

The high transmission capability allows approximately 30 to 40% reduction in belt width compared to the previous synchronous belts. In addition, the eliminated need for a lubrication device, such as the ones for chains and gears, reduces the equipment cost.

#### Low noise

The smooth meshing between the belt and pulleys allows close contact between the belt tooth tip and the pulleys, leading to low noise levels.

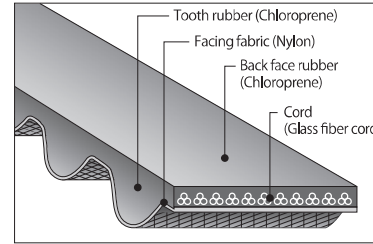


# STS / Double-Sided STS (Super-Torque Synchronous Belt)

## Product Introduction

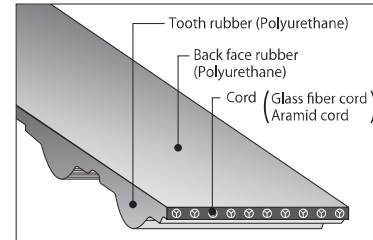
### Structure

#### (1) Rubber STS



- **Back face rubber:** The chloroprene rubber, which has excellent weather resistance and abrasion resistance, protects the cords.
- **Cord:** Strong glass fiber cords are spirally s-twisted and z-twisted alternately, which allows little elongation and prevents side tracking of the belt.
- **Tooth rubber:** The chloroprene rubber combined with the back face rubber protects the cords and provides high flex fatigue strength and excellent heat resistance, oil resistance, and weather resistance.
- **Facing fabric:** The nylon woven cloth excellent in abrasion resistance protects the tooth section and smooths the meshing with the pulleys.

#### (2) Bancollan STS (polyurethane)



- **Back face rubber / Tooth rubber:** They use polyurethane and are excellent in shearing force, abrasion resistance, oil resistance, and weather resistance. (In the winter, white powder adheres to the belt surface and becomes liquid at normal temperature, but this has no problems in use. However, please avoid using the back face for paper conveyance.)
- **Cord:** Glass fiber cord  
 Strong glass fiber cords are spirally s-twisted and z-twisted alternately, which allows little elongation and prevents side tracking of the belt.  
 : Aramid cord  
 High tensile strength and excellent flex fatigue. However, the dimensions vary depending on the ambient humidity; please check the performance, such as shaft load and tooth skip torque, before using the belt.

### Tooth profile dimensions and indication method (rubber STS)

Belt type	Dimension (mm)	Belt indication method
S1.5M		<b>60 S1.5M 204</b> Belt nominal width (6mm)   Belt type (S1.5M)   Belt nominal length (204mm)
S2M		<b>60 S2M 200</b> Belt nominal width (6mm)   Belt type (S2M)   Belt nominal length (200mm)
S3M		<b>100 S3M 200</b> Belt nominal width (10mm)   Belt type (S3M)   Belt nominal length (200mm)
S4.5M		<b>150 S4.5M 630</b> Belt nominal width (15mm)   Belt type (S4.5M)   Belt nominal length (630mm)

### Tooth profile dimensions and indication method (Bancollan STS)

Belt type	Dimension (mm)	Belt indication method
S2M		<b>60 S2M 200 U G</b> Belt nominal width (6mm)   Belt nominal length (200mm)   Glass fiber   Polyurethane
S3M		<b>100 S3M 200 U K</b> Belt nominal width (10mm)   Belt nominal length (200mm)   Aramid   Polyurethane

**STS standard effective lengths**

Type S1.5M

Belt nominal length	Pitch length (mm)	No. of teeth	Manufacturable or not	
			R	U
S1.5M 84	84.00	56	●	—
S1.5M 92	91.50	61	●	—
S1.5M 93	93.00	62	●	—
S1.5M 95	94.50	63	●	—
S1.5M 98	97.50	65	●	—
S1.5M 99	99.00	66	●	—
S1.5M 101	100.50	67	●	—
S1.5M 102	102.00	68	●	—
S1.5M 114	114.00	76	●	—
S1.5M 119	118.50	79	●	—
S1.5M 123	123.00	82	●	—
S1.5M 134	133.50	89	●	—
S1.5M 135	135.00	90	●	—
S1.5M 137	136.50	91	●	—
S1.5M 141	141.00	94	●	—
S1.5M 150	150.00	100	●	—
S1.5M 158	157.50	105	●	—
S1.5M 161	160.50	107	●	—
S1.5M 164	163.50	109	●	—
S1.5M 165	165.00	110	●	—
S1.5M 168	168.00	112	●	—
S1.5M 174	174.00	116	●	—
S1.5M 180	180.00	120	●	—
S1.5M 186	186.00	124	●	—
S1.5M 195	195.00	130	●	—
S1.5M 198	198.00	132	●	—
S1.5M 204	204.00	136	●	—
S1.5M 206	205.50	137	●	—
S1.5M 210	210.00	140	●	—
S1.5M 222	222.00	148	●	—
S1.5M 224	223.50	149	●	—
S1.5M 225	225.00	150	●	—
S1.5M 227	226.50	151	●	—
S1.5M 236	235.50	157	●	—
S1.5M 240	240.00	160	●	—
S1.5M 248	247.50	165	●	—
S1.5M 249	249.00	166	●	—
S1.5M 252	252.00	168	●	—
S1.5M 255	255.00	170	●	—
S1.5M 261	261.00	174	●	—
S1.5M 263	262.50	175	●	—
S1.5M 273	273.00	182	●	—
S1.5M 281	280.50	187	●	—
S1.5M 288	288.00	192	●	—
S1.5M 290	289.50	193	●	—
S1.5M 293	292.50	195	●	—
S1.5M 302	301.50	201	●	—
S1.5M 303	303.00	202	●	—
S1.5M 305	304.50	203	●	—
S1.5M 315	315.00	210	●	—
S1.5M 335	334.50	223	●	—
S1.5M 347	346.50	231	●	—
S1.5M 365	364.50	243	●	—
S1.5M 366	366.00	244	●	—
S1.5M 378	378.00	252	●	—
S1.5M 390	390.00	260	●	—
S1.5M 441	441.00	294	●	—
S1.5M 444	444.00	296	●	—
S1.5M 480	480.00	320	●	—
S1.5M 501	501.00	334	●	—
S1.5M 516	516.00	344	●	—
S1.5M 555	555.00	370	●	—
S1.5M 560	559.50	373	●	—
S1.5M 567	567.00	378	●	—
S1.5M 720	720.00	480	●	—
S1.5M 792	792.00	528	●	—
S1.5M 1116	1116.00	744	●	—

Type S2M

Belt nominal length	Pitch length (mm)	No. of teeth	Manufacturable or not	
			R	U
S2M 74	74.00	37	●	—
S2M 76	76.00	38	●	—
S2M 78	78.00	39	●	○
S2M 80	80.00	40	●	○
S2M 84	84.00	42	●	—
S2M 86	86.00	43	●	○
S2M 88	88.00	44	●	○
S2M 90	90.00	45	●	○
S2M 92	92.00	46	●	○
S2M 94	94.00	47	●	—
S2M 96	96.00	48	●	○
S2M 98	98.00	49	●	○
S2M 100	100.00	50	●	○
S2M 102	102.00	51	●	○
S2M 104	104.00	52	●	—
S2M 106	106.00	53	●	○
S2M 108	108.00	54	●	○
S2M 110	110.00	55	●	○
S2M 112	112.00	56	●	○
S2M 114	114.00	57	●	○
S2M 116	116.00	58	●	○
S2M 118	118.00	59	●	○
S2M 120	120.00	60	●	○
S2M 122	122.00	61	●	○
S2M 124	124.00	62	●	—
S2M 126	126.00	63	●	○
S2M 128	128.00	64	●	○
S2M 130	130.00	65	●	○
S2M 132	132.00	66	●	○
S2M 134	134.00	67	●	—
S2M 136	136.00	68	●	○
S2M 138	138.00	69	●	○
S2M 140	140.00	70	●	○
S2M 142	142.00	71	●	○
S2M 144	144.00	72	●	○
S2M 146	146.00	73	●	○
S2M 148	148.00	74	●	○
S2M 150	150.00	75	●	○
S2M 152	152.00	76	●	○
S2M 156	156.00	78	●	○
S2M 158	158.00	79	●	○
S2M 160	160.00	80	●	○
S2M 162	162.00	81	●	○
S2M 164	164.00	82	●	○
S2M 166	166.00	83	●	○
S2M 168	168.00	84	●	○
S2M 170	170.00	85	●	○
S2M 172	172.00	86	●	○
S2M 174	174.00	87	●	○
S2M 176	176.00	88	●	○
S2M 178	178.00	89	●	○
S2M 180	180.00	90	●	○
S2M 182	182.00	91	●	○
S2M 184	184.00	92	●	○
S2M 186	186.00	93	●	○
S2M 188	188.00	94	●	○
S2M 190	190.00	95	●	○
S2M 192	192.00	96	●	○
S2M 194	194.00	97	●	○
S2M 196	196.00	98	●	○
S2M 198	198.00	99	●	○
S2M 200	200.00	100	●	○
S2M 202	202.00	101	●	○
S2M 204	204.00	102	●	○
S2M 206	206.00	103	●	○
S2M 208	208.00	104	●	○
S2M 210	210.00	105	●	○

Type S2M

Belt nominal length	Pitch length (mm)	No. of teeth	Manufacturable or not	
			R	U
S2M 212	212.00	106	●	—
S2M 214	214.00	107	●	○
S2M 216	216.00	108	●	○
S2M 218	218.00	109	●	○
S2M 220	220.00	110	●	○
S2M 222	222.00	111	●	—
S2M 224	224.00	112	●	○
S2M 226	226.00	113	●	○
S2M 230	230.00	115	●	—
S2M 232	232.00	116	●	—
S2M 234	234.00	117	●	○
S2M 236	236.00	118	●	○
S2M 238	238.00	119	●	○
S2M 240	240.00	120	●	○
S2M 242	242.00	121	●	—
S2M 244	244.00	122	●	—
S2M 248	248.00	124	●	—
S2M 250	250.00	125	●	○
S2M 252	252.00	126	●	—
S2M 254	254.00	127	●	—
S2M 256	256.00	128	●	○
S2M 258	258.00	129	●	○
S2M 260	260.00	130	●	○
S2M 262	262.00	131	●	○
S2M 264	264.00	132	●	—
S2M 266	266.00	133	●	○
S2M 268	268.00	134	●	—
S2M 270	270.00	135	●	—
S2M 272	272.00	136	●	—
S2M 274	274.00	137	●	—
S2M 276	276.00	138	●	—
S2M 278	278.00	139	●	—
S2M 280	280.00	140	●	○
S2M 282	282.00	141	●	—
S2M 284	284.00	142	●	—
S2M 286	286.00	143	●	—
S2M 288	288.00	144	●	—
S2M 290	290.00	145	●	○
S2M 292	292.00	146	●	—
S2M 294	294.00	147	●	—
S2M 296	296.00	148	●	—
S2M 298	298.00	149	●	—
S2M 300	300.00	150	●	○
S2M 302	302.00	151	●	—
S2M 304	304.00	152	●	—
S2M 306	306.00	153	●	—
S2M 308	308.00	154	●	—
S2M 310	310.00	155	●	—
S2M 312	312.00	156	●	—
S2M 314	314.00	157	●	○
S2M 316	316.00	158	●	○
S2M 318	318.00	159	●	○
S2M 320	320.00	160	●	○
S2M 322	322.00	161	●	○
S2M 324	324.00	162	●	—
S2M 326	326.00	163	●	—
S2M 328	328.00	164	●	—
S2M 330	330.00	165	●	—
S2M 332	332.00	166	●	—
S2M 334	334.00	167	●	○
S2M 336	336.00	168	●	—
S2M 338	338.00	169	●	—
S2M 340	340.00	170	●	○
S2M 342	342.00	171	●	—
S2M 344	344.00	172	●	—
S2M 350	350.00	175	●	—
S2M 354	354.00	177	●	○

R: Rubber  
U: Polyurethane

Type S2M

Belt nominal length	Pitch length (mm)	No. of teeth	Manufacturable or not	
			R	U
S2M 360	360.00	180	●	○
S2M 364	364.00	182	●	○
S2M 370	370.00	185	●	—
S2M 372	372.00	186	●	—
S2M 374	374.00	187	●	—
S2M 376	376.00	188	●	○
S2M 380	380.00	190	●	○
S2M 386	386.00	193	●	—
S2M 390	390.00	195	●	—
S2M 396	396.00	198	●	○
S2M 400	400.00	200	●	—
S2M 406	406.00	203	●	—
S2M 408	408.00	204	●	—
S2M 410	410.00	205	●	—
S2M 416	416.00	208	●	—
S2M 420	420.00	210	●	—
S2M 426	426.00	213	●	—
S2M 428	428.00	214	●	—
S2M 434	434.00	217	●	—
S2M 436	436.00	218	●	○
S2M 438	438.00	219	●	—
S2M 440	440.00	220	●	—
S2M 448	448.00	224	●	—
S2M 452	452.00	226	●	—
S2M 454	454.00	227	●	—
S2M 456	456.00	228	●	—
S2M 460	460.00	230	●	○
S2M 464	464.00	232	●	—
S2M 468	468.00	234	●	—
S2M 474	474.00	237	●	○
S2M 480	480.00	240	●	—
S2M 486	486.00	243	●	—
S2M 488	488.00	244	●	—
S2M 490	490.00	245	●	—
S2M 494	494.00	247	●	—
S2M 500	500.00	250	●	—
S2M 504	504.00	252	●	○
S2M 506	506.00	253	●	—
S2M 520	520.00	260	●	○
S2M 524	524.00	262	●	—
S2M 530	530.00	265	●	—
S2M 532	532.00	266	●	—
S2M 540	540.00	270	●	—
S2M 544	544.00	272	●	○
S2M				

STS standard effective lengths

Type S3M				
Belt nominal length	Pitch length (mm)	No. of teeth	Manufacturable or not	
			R	U
S3M 330	330.00	110	●	—
S3M 333	333.00	111	●	—
S3M 336	336.00	112	●	—
S3M 339	339.00	113	●	—
S3M 342	342.00	114	●	○
S3M 348	348.00	116	●	—
S3M 351	351.00	117	●	—
S3M 354	354.00	118	●	○
S3M 360	360.00	120	●	—
S3M 363	363.00	121	●	—
S3M 366	366.00	122	●	—
S3M 369	369.00	123	●	—
S3M 372	372.00	124	●	—
S3M 375	375.00	125	●	—
S3M 378	378.00	126	●	○
S3M 384	384.00	128	●	—
S3M 387	387.00	129	●	—
S3M 390	390.00	130	●	○
S3M 396	396.00	132	●	—
S3M 399	399.00	133	●	—
S3M 402	402.00	134	●	○
S3M 405	405.00	135	●	—
S3M 408	408.00	136	●	—
S3M 414	414.00	138	●	—
S3M 417	417.00	139	●	○
S3M 420	420.00	140	●	—
S3M 423	423.00	141	●	—
S3M 426	426.00	142	●	—
S3M 432	432.00	144	●	—
S3M 438	438.00	146	●	—
S3M 444	444.00	148	●	—
S3M 447	447.00	149	●	—
S3M 453	453.00	151	●	○
S3M 456	456.00	152	●	—
S3M 459	459.00	153	●	—
S3M 468	468.00	156	●	—
S3M 471	471.00	157	●	—
S3M 474	474.00	158	●	—
S3M 480	480.00	160	●	—
S3M 483	483.00	161	●	—
S3M 486	486.00	162	●	○
S3M 489	489.00	163	●	—
S3M 492	492.00	164	●	—
S3M 498	498.00	166	●	—
S3M 501	501.00	167	●	○
S3M 504	504.00	168	●	—
S3M 507	507.00	169	●	—
S3M 510	510.00	170	●	○
S3M 513	513.00	171	●	—
S3M 516	516.00	172	●	—
S3M 519	519.00	173	●	○
S3M 522	522.00	174	●	—
S3M 525	525.00	175	●	—
S3M 528	528.00	176	●	—
S3M 534	534.00	178	●	—
S3M 537	537.00	179	●	○
S3M 540	540.00	180	●	—
S3M 543	543.00	181	●	—
S3M 549	549.00	183	●	—
S3M 552	552.00	184	●	—
S3M 555	555.00	185	●	○
S3M 564	564.00	188	●	—
S3M 573	573.00	191	●	—
S3M 579	579.00	193	●	—
S3M 588	588.00	196	●	—
S3M 597	597.00	199	●	—
S3M 600	600.00	200	●	—

Type S3M				
Belt nominal length	Pitch length (mm)	No. of teeth	Manufacturable or not	
			R	U
S3M 603	603.00	201	●	—
S3M 609	609.00	203	●	○
S3M 612	612.00	204	●	—
S3M 621	621.00	207	●	—
S3M 633	633.00	211	●	○
S3M 636	636.00	212	●	—
S3M 648	648.00	216	●	—
S3M 657	657.00	219	●	—
S3M 660	660.00	220	●	—
S3M 666	666.00	222	●	○
S3M 678	678.00	226	●	—
S3M 681	681.00	227	●	○
S3M 687	687.00	229	●	—
S3M 690	690.00	230	●	—
S3M 696	696.00	232	●	—
S3M 699	699.00	233	●	—
S3M 720	720.00	240	●	—
S3M 726	726.00	242	●	—
S3M 735	735.00	245	●	—
S3M 741	741.00	247	●	—
S3M 750	750.00	250	●	○
S3M 765	765.00	255	●	—
S3M 768	768.00	256	●	—
S3M 771	771.00	257	●	—
S3M 774	774.00	258	●	○
S3M 789	789.00	263	●	—
S3M 804	804.00	268	●	—
S3M 810	810.00	270	●	—
S3M 819	819.00	273	●	—
S3M 825	825.00	275	●	—
S3M 831	831.00	277	●	—
S3M 837	837.00	279	●	—
S3M 852	852.00	284	●	—
S3M 858	858.00	286	●	—
S3M 882	882.00	294	●	—
S3M 885	885.00	295	●	○
S3M 888	888.00	296	●	—
S3M 900	900.00	300	●	—
S3M 909	909.00	303	●	—
S3M 918	918.00	306	●	—
S3M 927	927.00	309	●	—
S3M 936	936.00	312	●	—
S3M 951	951.00	317	●	○
S3M 954	954.00	318	●	—
S3M 990	990.00	330	●	—
S3M 999	999.00	333	●	—
S3M 1005	1005.00	335	●	○
S3M 1014	1014.00	338	●	—
S3M 1050	1050.00	350	●	○
S3M 1080	1080.00	360	●	—
S3M 1119	1119.00	373	●	—
S3M 1134	1134.00	378	●	—
S3M 1146	1146.00	382	●	—
S3M 1170	1170.00	390	●	—
S3M 1176	1176.00	392	●	—
S3M 1188	1188.00	396	●	—
S3M 1203	1203.00	401	●	—
S3M 1221	1221.00	407	●	—
S3M 1236	1236.00	412	●	—
S3M 1245	1245.00	415	●	—
S3M 1260	1260.00	420	●	○
S3M 1290	1290.00	430	●	—
S3M 1299	1299.00	433	●	—
S3M 1332	1332.00	444	●	—
S3M 1338	1338.00	446	●	—
S3M 1374	1374.00	458	●	—
S3M 1383	1383.00	461	●	—

R: Rubber  
U: Polyurethane

Type S3M				
Belt nominal length	Pitch length (mm)	No. of teeth	Manufacturable or not	
			R	U
S3M 1401	1401.00	467	●	—
S3M 1419	1419.00	473	●	—
S3M 1530	1530.00	510	●	—
S3M 1569	1569.00	523	●	—
S3M 1596	1596.00	532	●	○
S3M 1650	1650.00	550	●	—
S3M 1680	1680.00	560	●	—
S3M 1734	1734.00	578	●	—
S3M 1788	1788.00	596	●	—

Type S4.5M (rubber)

Belt nominal length	Pitch length (mm)	No. of teeth
S4.5M 162	162.00	36
S4.5M 180	180.00	40
S4.5M 198	198.00	44
S4.5M 225	225.00	50
S4.5M 239	238.50	53
S4.5M 252	252.00	56
S4.5M 279	279.00	62
S4.5M 284	283.50	63
S4.5M 315	315.00	70
S4.5M 324	324.00	72
S4.5M 351	351.00	78
S4.5M 383	382.50	85
S4.5M 396	396.00	88
S4.5M 450	450.00	100
S4.5M 491	490.50	109
S4.5M 504	504.00	112
S4.5M 518	517.50	115
S4.5M 558	558.00	124
S4.5M 563	562.50	125
S4.5M 612	612.00	136
S4.5M 630	630.00	140
S4.5M 711	711.00	158
S4.5M 729	729.00	162
S4.5M 801	801.00	178
S4.5M 1031	1030.50	229
S4.5M 2111	2110.50	469

STS belt standard widths

Nominal width	40	60	100	150
Width (mm)	4.0	6.0	10.0	15.0
S1.5M	●	●	●	
S2M	●	●	●	
S3M		●	●	●
S4.5M		●	●	●

Note: For other belt widths than the above, please contact us.  
The nominal width is indicated by a factor of ten of the belt width (mm).

Belt dimensional tolerance

Rubber STS effective lengths (Unit: mm)

Length	Tolerance
256 or less	±0.20
Over 256 to 384 or less	±0.23
Over 384 to 512 or less	±0.25
Over 512 to 760 or less	±0.30
Over 760 to 1016 or less	±0.33
Over 1016 to 1272 or less	±0.38
Over 1272 to 1528 or less	±0.41
Over 1528 to 1776 or less	±0.43
Over 1776 to 2032 or less	±0.46
Over 2032 to 2288 or less	±0.48
Over 2288 to 2544 or less	±0.51
Over 2544 to 2792 or less	±0.53
Over 2792 to 3048 or less	±0.56
Over 3048 to 3304 or less	±0.58
Over 3304 to 3560 or less	±0.61
Over 3560 to 3808 or less	±0.64
Over 3808 to 4064 or less	±0.66
Over 4064 to 4320 or less	±0.69
Over 4320 to 4576 or less	±0.71

Note) The effective length tolerance is the tolerance of center distance in length measurement.

Rubber STS belt width tolerances (S2M • S3M) (DS2M • DS3M • DS5M) (Unit: mm)

Belt width	Tolerance
6 or less	±0.3
Over 6 to 10 or less	±0.4
Over 10 to 20 or less	±0.5
Over 20 to 30 or less	±0.6
Over 30 to 40 or less	±0.7
Over 40 to 60 or less	±0.8

Rubber STS belt width tolerances (S4.5M) (DS4.5M • DS8M • DS14M) (Unit: mm)

Belt width	Belt pitch length 840 or less	Belt pitch length 841 to 1680	Belt pitch length 1681 or more
Over 10 to 40 or less	+0.80, -0.80	+0.80, -1.20	+0.80, -1.20
Over 40 to 50 or less	+0.80, -1.20	+1.20, -1.20	+1.20, -1.60
Over 50 to 75 or less	+1.20, -1.60	+1.60, -1.60	+1.60, -2.00
Over 75 to 100 or less	+1.60, -1.60	+1.60, -2.00	+2.00, -2.00
Over 100	+2.40, -2.40	+2.40, -2.80	+2.40, -3.20

Rubber Double-Sided STS effective lengths (Unit: mm)

Length	Tolerance
256 or less	+0.40, -0.20
Over 256 to 384 or less	+0.46, -0.23
Over 384 to 512 or less	+0.50, -0.25
Over 512 to 760 or less	+0.60, -0.30
Over 760 to 1016 or less	+0.66, -0.33
Over 1016 to 1272 or less	+0.76, -0.38
Over 1272 to 1528 or less	+0.82, -0.41
Over 1528 to 1776 or less	+0.86, -0.43
Over 1776 to 2032 or less	+0.92, -0.46
Over 2032 to 2288 or less	+0.96, -0.48
Over 2288 to 2544 or less	+1.02, -0.51
Over 2544 to 2792 or less	+1.06, -0.53
Over 2792 to 3048 or less	+1.12, -0.56
Over 3048 to 3304 or less	+1.16, -0.58
Over 3304 to 3560 or less	+1.21, -0.61
Over 3560 to 3808 or less	+1.28, -0.64
Over 3808 to 4064 or less	+1.32, -0.66
Over 4064 to 4320 or less	+1.38, -0.69
Over 4320 to 4576 or less	+1.42, -0.71

Note) The effective length tolerance is the tolerance of center distance in length measurement.

Bancollan STS belt width tolerances (S2M • S3M) (Unit: mm)

Nominal length	Width range and tolerance		
	3.0~6.0	6.1~10.0	10.1~25.0
~350	±0.15	±0.20	±0.25
351~840	±0.15	±0.20	±0.30
841~1680	±0.25	±0.30	±0.40
1681~1920	±0.30	±0.40	±0.50
1921~	±0.40	±0.50	±0.60