



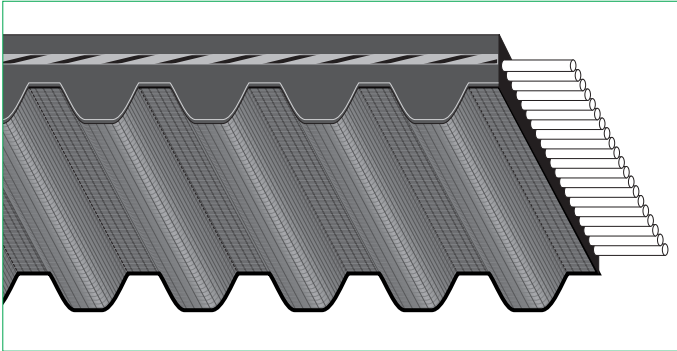
## SIT MUSTANG® SPEED STD - CMST



Performance index

8M

SYNCHRONOUS BELT - CMST



SIT MUSTANG® SPEED STD synchronous belts combine the construction of the SIT MUSTANG® SPEED STD and the tooth profile of the SUPER TORQUE.

The result is power rating two times higher compared to first generation of SUPER TORQUE.

Execution with Aramid tensile members is also available for high torque at low speed applications.

### APPLICATIONS

- Office-ATM machines
- Appliances
- Laundry machines
- Medical equipment
- Machines tools, Packaging machines, Plastic machines
- Woodworking and glass machines
- Compressors, pumps, ventilation
- Paper industry machinery
- Food processing equipment
- HVAC units
- Textile machinery
- Mining equipment
- Farm machinery
- Vending machinery
- Automatic warehouses
- Industrial applications (medium and high power)

### KEY FEATURES & BENEFITS

- Excellent price/power ratio
- High power rating
- Maintenance free
- Efficiency up to 98%
- Good oil resistance
- Static Conductive (ISO 9563)
- Temperature: -20/+100°C
- Quieter operation
- Low vibration

### BELT MATERIAL

- Tensile members: fiberglass
- Compound: chloroprene rubber (CR)
- Belt facing: polyamide (nylon)

**SUPER TORQUE**

SIT have a complete stock of pulleys for all belts.



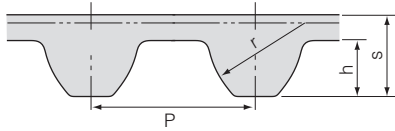
SitDrive

www.sitspa.com

## Technical data

### Belt dimensions

Pitch	P [mm]	h [mm]	s [mm]	r [mm]
<b>8 M</b>	8	3,05	5,30	5,20



### Belt linear mass

Pitch	Linear mass [Kg/m · mm]
<b>8M</b>	0,0056

### Belt standard widths

Pitch	Width code	[mm]
<b>8 M</b>	<b>200 - 300 - 500 - 850</b>	20 - 30 - 50 - 85

### Width tolerances

Belt width [mm]	Belt length 0-880 [mm]	Belt length 881-1760 [mm]	Belt length over 1761 [mm]
up to 9 mm	+0,4 -0,8	+0,4 -0,8	-
from 10 to 40 mm	+0,8 -0,8	+0,8 -1,2	+0,8 -1,2
from 41 to 50 mm	+0,8 -1,2	+1,2 -1,2	+1,2 -1,5
from 51 to 85 mm	+1,2 -1,2	+1,5 -1,5	+1,5 -2,0
from 86 to 170 mm	+1,5 -1,5	+1,5 -2,0	+2,0 -2,0
more than 171 mm	-	+4,8 -4,8	+4,8 -4,8

### Length tolerances (ISO 13050)

Belt length [mm]	Centre distance tolerance [mm]	Belt length [mm]	Centre distance tolerance [mm]
up to 150	± 0,15	1000 ÷ 1270	± 0,38
150 ÷ 255	± 0,20	1270 ÷ 1500	± 0,40
255 ÷ 400	± 0,23	1500 ÷ 1800	± 0,43
400 ÷ 560	± 0,25	1800 ÷ 2000	± 0,45
560 ÷ 800	± 0,30	2000 ÷ 2250	± 0,48
800 ÷ 1000	± 0,33	2250 and more	+ 0,10 mm/m

## Available sizes

8M	
Teeth no.	Pitch length [mm]
55	440
58	464
60	480
66	528
70	560
75	600
79	632
80	640
82	656
84	672
86	688
87	696
89	712
90	720
91	728
92	736
95	760
96	768
98	784
99	792
100	800
103	824
105	840
106	848
108	864
110	880
114	912
115	920
118	944
120	960

8M	
Teeth no.	Pitch length [mm]
124	992
125	1000
128	1024
129	1032
132	1056
133	1064
134	1072
135	1080
137	1096
140	1120
142	1136
144	1152
145	1160
146	1168
147	1176
148	1184
149	1192
150	1200
151	1208
152	1216
155	1240
157	1256
158	1264
160	1280
162	1296
163	1304
164	1312

8M	
Teeth no.	Pitch length [mm]
168	1344
171	1368
175	1400
176	1408
180	1440
185	1480
189	1512
190	1520
194	1552
200	1600
203	1624
220	1760
222	1776
225	1800
227	1816
239	1912
250	2000
280	2240
284	2272
299	2392
350	2800
356	2848

SYNCHRONOUS BELT - CMST

Part Number	CMST	1120	S8M	50
SIT MUSTANG® SPEED STD belt				
Pitch length (mm)				
Pitch				
Width (mm)				

# Power rating

## SIT MUSTANG® SPEED STD 8M20

Rated power [kW]																	
Teeth no.	22	24	26	28	30	32	34	36	38	40	44	48	52	56	64	72	
Pitch Ø [mm]	56,02	61,12	66,12	71,30	76,39	81,49	86,58	91,67	96,77	101,86	112,05	122,23	132,42	142,60	162,97	183,35	
rpm Small pulley	<b>10</b>	0,07	0,08	0,09	0,10	0,11	0,12	0,13	0,15	0,16	0,17	0,19	0,21	0,24	0,26	0,32	0,37
	<b>20</b>	0,26	0,29	0,33	0,36	0,40	0,43	0,47	0,51	0,54	0,58	0,66	0,74	0,83	0,92	1,10	1,28
	<b>50</b>	0,32	0,36	0,40	0,44	0,48	0,53	0,57	0,62	0,66	0,71	0,81	0,91	1,01	1,12	1,34	1,57
	<b>100</b>	0,59	0,67	0,74	0,82	0,90	0,98	1,06	1,15	1,24	1,33	1,51	1,69	1,89	2,08	2,50	2,92
	<b>200</b>	1,10	1,24	1,38	1,53	1,68	1,83	1,98	2,14	2,30	2,47	2,81	3,16	3,52	3,88	4,65	5,45
	<b>300</b>	1,59	1,79	1,99	2,20	2,41	2,63	2,86	3,08	3,32	3,55	4,04	4,54	5,06	5,59	6,69	7,84
	<b>400</b>	2,06	2,31	2,58	2,85	3,12	3,41	3,70	3,99	4,29	4,60	5,23	5,88	6,55	7,24	8,66	10,15
	<b>500</b>	2,51	2,83	3,15	3,48	3,82	4,16	4,52	4,88	5,25	5,62	6,39	7,19	8,00	8,84	10,58	12,40
	<b>600</b>	2,96	3,33	3,71	4,10	4,49	4,90	5,32	5,75	6,18	6,62	7,53	8,46	9,43	10,42	12,47	14,61
	<b>700</b>	3,40	3,82	4,26	4,70	5,16	5,63	6,11	6,60	7,10	7,60	8,64	9,72	10,83	11,96	14,32	16,78
	<b>800</b>	3,83	4,31	4,80	5,30	5,82	6,35	6,89	7,44	8,00	8,57	9,75	10,96	12,20	13,48	16,14	18,92
	<b>950</b>	4,47	5,03	5,60	6,19	6,79	7,41	8,04	8,68	9,33	10,00	11,37	12,79	14,24	15,73	18,83	22,07
	<b>1000</b>	4,68	5,26	5,86	6,48	7,11	7,76	8,41	9,09	9,77	10,47	11,91	13,39	14,91	16,48	19,72	23,11
	<b>1200</b>	5,52	6,20	6,91	7,63	8,37	9,13	9,91	10,70	11,51	12,34	14,03	15,77	17,56	19,41	23,23	27,22
	<b>1450</b>	6,54	7,35	8,19	9,04	9,92	10,83	11,75	12,69	13,64	14,62	16,62	18,69	20,82	23,00	27,53	32,26
	<b>1600</b>	7,14	8,03	8,94	9,88	10,84	11,83	12,83	13,86	14,91	15,97	18,16	20,42	22,74	25,12	30,07	35,24
	<b>1800</b>	7,94	8,92	9,94	10,98	12,05	13,15	14,26	15,40	16,57	17,75	20,18	22,69	25,27	27,93	33,43	39,17
	<b>2000</b>	8,72	9,81	10,93	12,07	13,25	14,45	15,68	16,93	18,21	19,51	22,19	24,94	27,78	30,70	36,74	43,06
	<b>2200</b>	9,50	10,69	11,90	13,15	14,43	15,74	17,08	18,45	19,84	21,26	24,17	27,17	30,26	33,44	40,03	46,91
	<b>2500</b>	10,66	11,98	13,35	14,75	16,18	17,65	19,16	20,69	22,25	23,84	27,11	30,48	33,94	37,51	44,89	52,61
<b>2850</b>	11,99	13,48	15,01	16,59	18,21	19,86	21,55	23,27	25,03	26,82	30,49	34,28	38,18	42,19	50,50	59,18	
<b>3000</b>	12,56	14,12	15,72	17,37	19,06	20,79	22,56	24,37	26,21	28,08	31,93	35,90	39,98	44,18	52,88	61,97	
<b>3500</b>	14,42	16,21	18,06	19,95	21,89	23,88	25,91	27,98	30,10	32,25	36,67	41,22	45,91	50,73	60,73	71,16	
<b>4000</b>	16,25	18,28	20,36	22,49	24,68	26,92	29,21	31,55	33,93	36,36	41,34	46,47	51,76	57,19	68,46	80,23	
<b>4500</b>	18,07	20,31	22,63	25,00	27,43	29,92	32,47	35,07	37,72	40,41	45,95	51,66	57,54	63,57	76,10	89,17	
<b>5000</b>	19,86	22,33	24,87	27,48	30,15	32,89	35,69	38,55	41,46	44,42	50,50	56,78	63,24	69,88	83,64	98,02	
<b>5500</b>	21,63	24,32	27,09	29,93	32,85	35,83	38,88	41,99	45,16	48,39	55,02	61,85	68,89	76,12	91,12	106,78	
<b>6000</b>	23,39	26,30	29,29	32,37	35,52	38,74	42,04	45,40	48,83	52,32	59,49	66,88	74,49	82,31	98,52	115,45	

Belt width [mm]	20	30	40	50	65	85
Width factor	1,00	1,58	2,16	2,73	3,60	4,76

Standard widths in bold.

The transmissible power for different belt's width is obtained by multiplying the value reported in the chart by the correspondent width factor.