



DRIVE DESIGN
AND TECHNICAL MANUAL

**TIMING BELT CURVILINEAR
S-TYPE TOOTH PROFILE**

**DRIVE BELT
TECHNOLOGY .**

SECTION 2.1.4 | TIMING BELTS | RUBBER BELTS

DIN 7721 / ISO 13050 / IP27 RMA-MPTA

TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE (STD) S2M, S3M, S4.5M, S5M, S8M AND S14M



FEATURES

Those belts are demonstrating rounded tooth profile to provide perfect matching to pulley gearing, while offering high wear resistance and high dynamic load.

Allows compact design for minimum drive space requirements and low weight meaning better electrical efficiency output.

Such timing belt guarantees a low zero tension, thus bearing and axle tension are low.

Our rubber Timing Belt allows extensive speed range thanks to its teeth strength and flexibility of the belt.

Our flexible rubber backing ensures cord protection and perfect adhesion.

This will allow for reverse idler drive.

This belt features minimal friction with a cover fabric that allows perfect positive engagement with pulleys.

This belt can suit multi-axial transmission, along with packaging, open door, robotic, or any linear motion system applications.

Temperature range from -30°C up to +100°C

Moderate resistance to common oils, good resistance to heat and cold environment

Low noise, high speed ratio, high belt speed

Meets RoHS and REACH requirements

STRUCTURE DETAILS

Rubber teeth and backing

Perfect combination of best chloroprene (CR) prepared in Germany fibre grade materials, our rubber teeth and backing compound offers tooth pitch matching and high wear and vibration resistance. Our production process is highly precised and would ensure the timing belt teeth to have perfect match gearing on pulley.

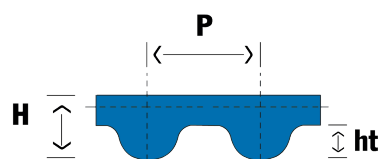
Tensile cord

Designed and manufactured in Japan, our high strength glass fiber, both S and Z orientated monitored by computer, will ensure perfect belt tracking, keep dimensional stability and flexibility with no elongation.

Fabric facing

Featuring very low friction, low noise and long lasting protection of the teeth rubber, our polyamid fabric protects your belt and enable high power transmission.

Dimensions



ISO 13050	S2M	S3M	S4.5M	S5M	S8M	S14M
Pitch (mm)	2.0	3.0	4.5	5.0	8.0	14.0
Height (mm)	0.76	1.14	1.71	1.91	3.05	5.30
Width (mm)	1.30	1.95	2.93	3.25	5.20	9.10
Foot radius (mm)	0.20	0.30	0.45	0.50	0.80	1.40
Head radius (mm)	0.20	0.30	0.45	0.50	0.80	1.40
Belt thickness (mm)	1.36	2.20	2.81	3.41	5.30	10.20
Belt weight per meter per 10mm width (Kg/m)	0.019	0.035	0.041	0.048	0.068	0.120
Min. Crimp (mm)	15	15	25	25	40	70
Teeth range (min-max)	44 - 1914	29 - 1500	40 - 201	36 - 800	40 - 650	69 - 322
Pitch length (mm)	88 - 3828	87 - 4500	180 - 905	180 - 4000	318 - 5200	966 - 4508

Applications



Appliances/
Machinery



Logistic/
Movement



Packaging



Textile



Technology
& Robots

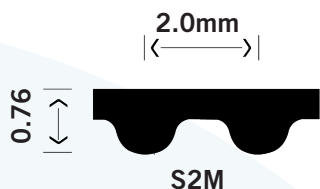
Marking

	NE PAS PLIER	800-S8M	batch code/worker code + position in sleeve
	DO NOT CRIMP	800-S8M	batch code/worker code + position in sleeve
	N I G H T KNICKEN	800-S8M	batch code/worker code + position in sleeve
	NE PAS PLIER	800-S8M	batch code/worker code + position in sleeve
	DO NOT CRIMP	800-S8M	batch code/worker code + position in sleeve
	N I G H T KNICKEN	800-S8M	batch code/worker code + position in sleeve

Product Codification

Example	P-1600-D/S8M-200 means	P	1600	D/S8M	200
		Performance line	Length in mm / 1600 mm	Section S8M dual sided Pitch 8 mm	Width 200 mm
Example	P-1000-D/R5M-25 means	P	1000	D/R5M	25
		Performance line	Length in mm / 1000 mm	Section R5M dual sided Pitch 5 mm	Width 25 mm

2.1.4 TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE



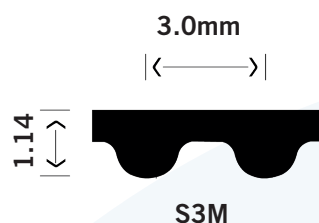
Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-88-S2M-450	3666445019372	44	88
P-90-S2M-450	3666445019365	45	90
P-92-S2M-450	3666445019358	46	92
P-94-S2M-450	3666445019341	47	94
P-96-S2M-450	3666445019334	48	96
P-98-S2M-450	3666445019327	49	98
P-100-S2M-450	3666445019310	50	100
P-102-S2M-450	3666445019303	51	102
P-104-S2M-450	3666445019297	52	104
P-106-S2M-450	3666445019280	53	106
P-112-S2M-450	3666445019273	56	112
P-114-S2M-450	3666445019266	57	114
P-116-S2M-450	3666445019259	58	116
P-120-S2M-450	3666445019242	60	120
P-122-S2M-450	3666445019235	61	122
P-124-S2M-450	3666445019228	62	124
P-126-S2M-450	3666445019211	63	126
P-130-S2M-450	3666445019204	65	130
P-132-S2M-450	3666445019198	66	132
P-134-S2M-450	3666445019181	67	134
P-136-S2M-450	3666445019174	68	136
P-142-S2M-450	3666445019167	71	142
P-144-S2M-450	3666445019150	72	144
P-146-S2M-450	3666445019143	73	146
P-150-S2M-450	3666445019136	75	150
P-152-S2M-450	3666445019129	76	152
P-154-S2M-450	3666445019112	77	154
P-156-S2M-450	3666445019105	78	156
P-160-S2M-450	3666445019099	80	160
P-164-S2M-450	3666445019082	82	164
P-166-S2M-450	3666445019075	83	166
P-168-S2M-450	3666445019068	84	168
P-172-S2M-450	3666445019051	86	172
P-176-S2M-450	3666445019044	88	176
P-180-S2M-370	3666445019037	90	180
P-182-S2M-450	3666445019020	91	182
P-186-S2M-450	3666445019013	93	186
P-188-S2M-450	3666445019006	94	188
P-200-S2M-450	3666445018993	100	200
P-202-S2M-450	3666445018986	101	202
P-204-S2M-450	3666445018979	102	204
P-208-S2M-450	3666445018962	104	208
P-210-S2M-450	3666445018955	105	210
P-212-S2M-450	3666445018948	106	212
P-214-S2M-450	3666445018931	107	214
P-218-S2M-450	3666445018924	109	218
P-220-S2M-450	3666445018917	110	220
P-224-S2M-450	3666445018900	112	224
P-226-S2M-450	3666445018894	113	226
P-230-S2M-450	3666445018887	115	230
P-236-S2M-450	3666445018870	118	236
P-240-S2M-450	3666445018863	120	240
P-244-S2M-450	3666445018856	122	244
P-250-S2M-370	3666445018849	125	250
P-254-S2M-450	3666445018832	127	254
P-256-S2M-450	3666445018825	128	256
P-260-S2M-450	3666445018818	130	260
P-266-S2M-370	3666445018801	133	266
P-268-S2M-450	3666445018795	134	268
P-270-S2M-370	3666445018788	135	270
P-274-S2M-450	3666445018771	137	274
P-276-S2M-450	3666445018764	138	276
P-278-S2M-450	3666445018757	139	278
P-280-S2M-450	3666445018740	140	280

Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-284-S2M-450	3666445018733	142	284
P-286-S2M-450	3666445018726	143	286
P-288-S2M-450	3666445018719	144	288
P-290-S2M-450	3666445018702	145	290
P-292-S2M-450	3666445018696	146	292
P-302-S2M-450	3666445018689	151	302
P-306-S2M-450	3666445018672	153	306
P-308-S2M-450	3666445018665	154	308
P-312-S2M-450	3666445018658	156	312
P-314-S2M-450	3666445018641	157	314
P-320-S2M-450	3666445018634	160	320
P-322-S2M-450	3666445018627	161	322
P-324-S2M-450	3666445018610	162	324
P-328-S2M-450	3666445018603	164	328
P-348-S2M-450	3666445018597	165	330
P-334-S2M-450	3666445018580	167	334
P-336-S2M-450	3666445018573	168	336
P-340-S2M-450	3666445018566	170	340
P-344-S2M-450	3666445018559	172	344
P-348-S2M-450	3666445018542	174	348
P-354-S2M-450	3666445018535	177	354
P-356-S2M-450	3666445018528	178	356
P-360-S2M-450	3666445018511	180	360
P-364-S2M-450	3666445018504	182	364
P-370-S2M-450	3666445018498	185	370
P-376-S2M-450	3666445018481	188	376
P-380-S2M-450	3666445018474	190	380
P-384-S2M-450	3666445018467	192	384
P-386-S2M-450	3666445018450	193	386
P-390-S2M-450	3666445018443	195	390
P-392-S2M-450	3666445018436	196	392
P-396-S2M-450	3666445018429	198	396
P-400-S2M-450	3666445018412	200	400
P-410-S2M-450	3666445018405	205	410
P-412-S2M-450	3666445018399	206	412
P-420-S2M-450	3666445018382	210	420
P-426-S2M-450	3666445018375	213	426
P-428-S2M-450	3666445018368	214	428
P-436-S2M-450	3666445018351	218	436
P-440-S2M-450	3666445018344	220	440
P-448-S2M-450	3666445018337	224	448
P-452-S2M-450	3666445018320	226	452
P-460-S2M-450	3666445018313	230	460
P-480-S2M-450	3666445018306	240	480
P-486-S2M-450	3666445018290	243	486
P-492-S2M-450	3666445018283	246	492
P-494-S2M-450	3666445018276	247	494
P-498-S2M-450	3666445018269	249	498
P-500-S2M-450	3666445018252	250	500
P-502-S2M-450	3666445018245	251	502
P-504-S2M-450	3666445018238	252	504
P-518-S2M-450	3666445018221	259	518
P-520-S2M-450	3666445018214	260	520
P-530-S2M-450	3666445018207	265	530
P-556-S2M-450	3666445018191	278	556
P-560-S2M-450	3666445018184	280	560
P-570-S2M-450	3666445018177	285	570
P-578-S2M-450	3666445018160	289	578
P-580-S2M-450	3666445018153	290	580
P-586-S2M-450	3666445018146	293	586
P-594-S2M-450	3666445018139	297	594
P-600-S2M-450	3666445018122	300	600
P-604-S2M-450	3666445018115	302	604
P-606-S2M-450	3666445018108	303	606

2.1.4 TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE



Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-610-S2M-450	3666445018092	305	610
P-614-S2M-370	3666445018085	307	614
P-630-S2M-450	3666445018078	315	630
P-688-S2M-450	3666445018061	344	688
P-726-S2M-450	3666445018054	363	726
P-754-S2M-450	3666445018047	377	754
P-800-S2M-450	3666445018030	400	800
P-810-S2M-450	3666445018023	405	810
P-848-S2M-450	3666445018016	424	848
P-876-S2M-370	3666445018009	438	876
P-896-S2M-370	3666445017996	448	896
P-980-S2M-450	3666445017989	490	980
P-984-S2M-450	3666445017972	492	984
P-996-S2M-450	3666445017965	498	996
P-998-S2M-450	3666445017958	499	998
P-1002-S2M-450	3666445017941	501	1002
P-1004-S2M-450	3666445017934	502	1004
P-1016-S2M-370	3666445017927	508	1016
P-1036-S2M-370	3666445017910	518	1036
P-1200-S2M-450	3666445017903	600	1200
P-1224-S2M-450	3666445017897	612	1224
P-1424-S2M-450	3666445017880	712	1424
P-1432-S2M-450	3666445017873	716	1432
P-1624-S2M-450	3666445017866	812	1624
P-1632-S2M-450	3666445017859	816	1632
P-1824-S2M-450	3666445017842	912	1824
P-2024-S2M-370	3666445017835	1012	2024
P-2148-S2M-370	3666445017828	1074	2148
P-3000-S2M-450	3666445017811	1500	3000
P-3672-S2M-450	3666445017804	1836	3672
P-3828-S2M-450	3666445017798	1914	3828

Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-87-S3M-450	3666445046033	29	87
P-111-S3M-450	3666445046026	37	111
P-123-S3M-450	3666445046019	41	123
P-129-S3M-450	3666445046002	43	129
P-138-S3M-450	3666445045999	46	138
P-144-S3M-450	3666445045982	48	144
P-150-S3M-450	3666445045975	50	150
P-153-S3M-450	3666445045968	51	153
P-159-S3M-450	3666445045951	53	159
P-162-S3M-450	3666445045944	54	162
P-165-S3M-450	3666445045937	55	165
P-171-S3M-450	3666445045920	57	171
P-174-S3M-450	3666445045913	58	174
P-177-S3M-450	3666445045906	59	177
P-180-S3M-450	3666445045890	60	180
P-183-S3M-450	3666445045883	61	183
P-186-S3M-450	3666445045876	62	186
P-189-S3M-450	3666445045869	63	189
P-192-S3M-450	3666445045852	64	192
P-195-S3M-450	3666445045845	65	195
P-201-S3M-450	3666445045838	67	201
P-204-S3M-370	3666445045821	68	204
P-207-S3M-450	3666445045814	69	207
P-210-S3M-450	3666445045807	70	210
P-213-S3M-450	3666445045791	71	213
P-216-S3M-370	3666445045784	72	216
P-219-S3M-450	3666445045777	73	219
P-222-S3M-450	3666445045760	74	222
P-225-S3M-450	3666445045753	75	225
P-228-S3M-450	3666445045746	76	228
P-231-S3M-450	3666445045739	77	231
P-234-S3M-450	3666445045722	78	234
P-237-S3M-450	3666445045715	79	237
P-240-S3M-450	3666445045708	80	240
P-243-S3M-450	3666445045692	81	243
P-246-S3M-450	3666445045685	82	246
P-249-S3M-450	3666445045678	83	249
P-252-S3M-450	3666445045661	84	252
P-255-S3M-450	3666445045654	85	255
P-261-S3M-450	3666445045647	87	261
P-264-S3M-450	3666445045630	88	264
P-267-S3M-450	3666445045623	89	267
P-270-S3M-450	3666445045616	90	270
P-276-S3M-450	3666445045609	92	276
P-279-S3M-450	3666445045593	93	279
P-282-S3M-450	3666445045586	94	282
P-288-S3M-450	3666445045579	96	288
P-294-S3M-450	3666445045562	98	294
P-297-S3M-450	3666445045555	99	297
P-300-S3M-450	3666445045548	100	300
P-303-S3M-450	3666445045531	101	303
P-309-S3M-450	3666445045524	103	309
P-312-S3M-450	3666445045517	104	312
P-318-S3M-450	3666445045500	106	318
P-324-S3M-450	3666445045494	108	324
P-327-S3M-450	3666445045487	109	327
P-330-S3M-450	3666445045470	110	330
P-336-S3M-450	3666445045463	112	336
P-339-S3M-450	3666445045456	113	339
P-345-S3M-450	3666445045449	115	345
P-354-S3M-450	3666445045432	118	354
P-357-S3M-450	3666445045425	119	357
P-360-S3M-450	3666445045418	120	360
P-366-S3M-450	3666445045401	122	366

2.1.4 TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE

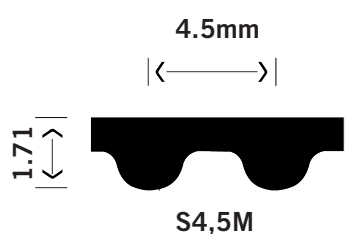
Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-369-S3M-450	3666445045395	123	369
P-375-S3M-450	3666445045388	125	375
P-378-S3M-450	3666445045371	126	378
P-384-S3M-450	3666445045364	128	384
P-387-S3M-450	3666445045357	129	387
P-390-S3M-450	3666445045340	130	390
P-393-S3M-450	3666445045333	131	393
P-396-S3M-450	3666445045326	132	396
P-402-S3M-450	3666445045319	134	402
P-405-S3M-450	3666445045302	135	405
P-408-S3M-450	3666445045296	136	408
P-420-S3M-450	3666445045289	140	420
P-432-S3M-450	3666445045272	144	432
P-435-S3M-450	3666445045265	145	435
P-438-S3M-450	3666445045258	146	438
P-447-S3M-450	3666445045241	149	447
P-450-S3M-450	3666445045234	150	450
P-453-S3M-450	3666445045227	151	453
P-456-S3M-450	3666445045210	152	456
P-459-S3M-450	3666445045203	153	459
P-465-S3M-450	3666445045197	155	465
P-468-S3M-450	3666445045180	156	468
P-471-S3M-450	3666445045173	157	471
P-474-S3M-450	3666445045166	158	474
P-480-S3M-450	3666445045159	160	480
P-486-S3M-450	3666445045142	162	486
P-489-S3M-450	3666445045135	163	489
P-501-S3M-450	3666445045128	167	501
P-504-S3M-450	3666445045111	168	504
P-507-S3M-450	3666445045104	169	507
P-510-S3M-450	3666445045098	170	510
P-516-S3M-450	3666445045081	172	516
P-519-S3M-450	3666445045074	173	519
P-522-S3M-450	3666445045067	174	522
P-525-S3M-450	3666445045050	175	525
P-537-S3M-450	3666445045043	179	537
P-540-S3M-450	3666445045036	180	540
P-564-S3M-450	3666445045029	188	564
P-570-S3M-450	3666445045012	190	570
P-573-S3M-450	3666445045005	191	573
P-591-S3M-450	3666445044992	197	591
P-600-S3M-450	3666445044985	200	600
P-612-S3M-450	3666445044978	204	612
P-633-S3M-450	3666445044961	211	633
P-645-S3M-450	3666445044954	215	645
P-657-S3M-450	3666445044947	219	657
P-660-S3M-450	3666445044930	220	660
P-693-S3M-450	3666445044923	231	693
P-699-S3M-450	3666445044916	233	699
P-735-S3M-450	3666445044909	245	735
P-741-S3M-450	3666445044893	247	741
P-750-S3M-450	3666445044886	250	750
P-756-S3M-450	3666445044879	252	756
P-768-S3M-450	3666445044862	256	768
P-780-S3M-450	3666445044855	260	780
P-783-S3M-450	3666445044848	261	783
P-789-S3M-480	3666445044831	263	789
P-804-S3M-450	3666445044824	268	804
P-810-S3M-450	3666445044817	270	810
P-840-S3M-480	3666445044800	280	840
P-852-S3M-450	3666445044794	284	852
P-879-S3M-450	3666445044787	293	879
P-888-S3M-450	3666445044770	296	888
P-900-S3M-450	3666445044763	300	900

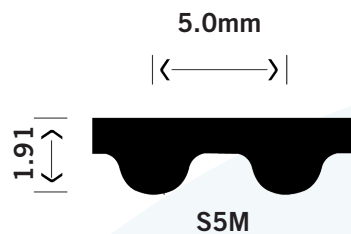
Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-909-S3M-450	3666445044756	303	909
P-918-S3M-450	3666445044749	306	918
P-924-S3M-450	3666445044732	308	924
P-927-S3M-450	3666445044725	309	927
P-948-S3M-450	3666445044718	316	948
P-999-S3M-480	3666445044701	333	999
P-1005-S3M-450	3666445044695	335	1005
P-1014-S3M-450	3666445044688	338	1014
P-1050-S3M-480	3666445044671	350	1050
P-1056-S3M-450	3666445044664	352	1056
P-1062-S3M-450	3666445044657	354	1062
P-1080-S3M-450	3666445044640	360	1080
P-1110-S3M-450	3666445044633	370	1110
P-1146-S3M-480	3666445044626	382	1146
P-1188-S3M-450	3666445044619	396	1188
P-1203-S3M-450	3666445044602	401	1203
P-1245-S3M-450	3666445044596	415	1245
P-1263-S3M-480	3666445044589	421	1263
P-1290-S3M-450	3666445044572	430	1290
P-1422-S3M-450	3666445044565	474	1422
P-1461-S3M-450	3666445044558	487	1461
P-1500-S3M-450	3666445044541	500	1500
P-1611-S3M-480	3666445044534	537	1611
P-1788-S3M-450	3666445044527	596	1788
P-1800-S3M-450	3666445044510	600	1800
P-1884-S3M-450	3666445044503	628	1884
P-2388-S3M-450	3666445044497	796	2388
P-3324-S3M-480	3666445044480	1108	3324
P-4020-S3M-450	3666445044473	1340	4020
P-4500-S3M-480	3666445044466	1500	4500

2.1.4 TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE



S4,5M



S5M

Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-180-S4.5M-450	3666445043964	40	180
P-212-S4.5M-450	3666445043957	47	212
P-225-S4.5M-450	3666445043940	50	225
P-239-S4.5M-450	3666445043933	53	239
P-252-S4.5M-450	3666445043926	56	252
P-274.5-S4.5M-450	3666445043919	61	274,5
P-283.5-S4.5M-450	3666445043902	63	283,5
P-297-S4.5M-450	3666445043896	66	297
P-315-S4.5M-450	3666445043889	70	315
P-324-S4.5M-480	3666445043872	72	324
P-333-S4.5M-450	3666445043865	74	333
P-337.5-S4.5M-450	3666445043858	75	337
P-342-S4.5M-450	3666445043841	76	342,5
P-346.5-S4.5M-450	3666445043834	77	346,5
P-351-S4.5M-450	3666445043827	78	351
P-360-S4.5M-450	3666445043810	80	360
P-369-S4.5M-450	3666445043803	82	369
P-382.5-S4.5M-450	3666445043797	85	382,5
P-396-S4.5M-450	3666445043780	88	396
P-414-S4.5M-450	3666445043773	92	414
P-450-S4.5M-450	3666445043766	100	450
P-486-S4.5M-450	3666445043759	108	486
P-490.5-S4.5M-450	3666445043742	109	490,5
P-499.5-S4.5M-450	3666445043735	111	499,5
P-500-S4.5M-450	3666445043728	111	500
P-504-S4.5M-450	3666445043711	112	504
P-517.5-S4.5M-480	3666445043704	115	517,5
P-540-S4.5M-450	3666445043698	120	540
P-558-S4.5M-450	3666445043681	124	558
P-630-S4.5M-450	3666445043674	140	630
P-652.5-S4.5M-450	3666445043667	145	652,5
P-711-S4.5M-450	3666445043650	158	711
P-801-S4.5M-450	3666445043643	178	801
P-864-S4.5M-450	3666445043636	192	864
P-905-S4.5M-450	3666445043629	201	905

Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-180-S5M-450	3666445043261	36	180
P-170-S5M-450	3666445043254	34	170
P-200-S5M-370	3666445043247	40	200
P-225-S5M-450	3666445043230	45	225
P-240-S5M-450	3666445043223	48	240
P-255-S5M-450	3666445043216	51	255
P-260-S5M-450	3666445043209	52	260
P-275-S5M-370	3666445043193	55	275
P-280-S5M-450	3666445043186	56	280
P-285-S5M-450	3666445043179	57	285
P-290-S5M-450	3666445043162	58	290
P-295-S5M-450	3666445043155	59	295
P-300-S5M-450	3666445043148	60	300
P-305-S5M-450	3666445043131	61	305
P-310-S5M-450	3666445043124	62	310
P-320-S5M-450	3666445043117	64	320
P-325-S5M-450	3666445043100	65	325
P-330-S5M-450	3666445043094	66	330
P-335-S5M-450	3666445043087	67	335
P-340-S5M-450	3666445043070	68	340
P-345-S5M-450	3666445043063	69	345
P-350-S5M-450	3666445043056	70	350
P-355-S5M-450	3666445043049	71	355
P-360-S5M-450	3666445043032	72	360
P-370-S5M-480	3666445043025	74	370
P-375-S5M-480	3666445043018	75	375
P-380-S5M-480	3666445043001	76	380
P-390-S5M-370	3666445042998	78	390
P-400-S5M-480	3666445042981	80	400
P-410-S5M-450	3666445042974	82	410
P-415-S5M-450	3666445042967	83	415
P-420-S5M-450	3666445042950	84	420
P-425-S5M-450	3666445042943	85	425
P-435-S5M-450	3666445042936	87	435
P-440-S5M-450	3666445042929	88	440
P-445-S5M-450	3666445042912	89	445
P-450-S5M-450	3666445042905	90	450
P-455-S5M-450	3666445042899	91	455
P-460-S5M-480	3666445042882	92	460
P-470-S5M-480	3666445042875	94	470
P-475-S5M-450	3666445042868	95	475
P-480-S5M-450	3666445042851	96	480
P-490-S5M-480	3666445042844	98	490
P-500-S5M-450	3666445042837	100	500
P-515-S5M-450	3666445042820	103	515
P-520-S5M-450	3666445042813	104	520
P-525-S5M-450	3666445042806	105	525
P-535-S5M-370	3666445042790	107	535
P-550-S5M-450	3666445042783	110	550
P-560-S5M-540	3666445042776	112	560
P-565-S5M-450	3666445042769	113	565
P-575-S5M-370	3666445042752	115	575
P-595-S5M-450	3666445042745	119	595
P-600-S5M-480	3666445042738	120	600
P-615-S5M-450	3666445042721	123	615
P-625-S5M-450	3666445042714	125	625
P-635-S5M-450	3666445042707	127	635
P-645-S5M-450	3666445042691	129	645
P-650-S5M-450	3666445042684	130	650
P-655-S5M-450	3666445042677	131	655
P-660-S5M-450	3666445042660	132	660
P-665-S5M-450	3666445042653	133	665
P-670-S5M-450	3666445042646	134	670
P-675-S5M-450	3666445042639	135	675

2.1.4 TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE

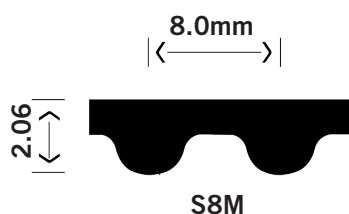
Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-685-S5M-450	3666445042622	137	685
P-690-S5M-450	3666445042615	138	690
P-695-S5M-450	3666445042608	139	695
P-700-S5M-450	3666445042592	140	700
P-710-S5M-450	3666445042585	142	710
P-740-S5M-450	3666445042578	148	740
P-750-S5M-450	3666445042561	150	750
P-755-S5M-450	3666445042554	151	755
P-760-S5M-450	3666445042547	152	760
P-765-S5M-480	3666445042530	153	765
P-770-S5M-450	3666445042523	154	770
P-780-S5M-450	3666445042516	156	780
P-800-S5M-450	3666445042509	160	800
P-810-S5M-450	3666445042493	162	810
P-825-S5M-480	3666445042486	165	825
P-830-S5M-450	3666445042479	166	830
P-835-S5M-450	3666445042462	167	835
P-850-S5M-450	3666445042455	170	850
P-860-S5M-450	3666445042448	172	860
P-865-S5M-450	3666445042431	173	865
P-880-S5M-450	3666445042424	176	880
P-890-S5M-450	3666445042417	178	890
P-900-S5M-450	3666445042400	180	900
P-905-S5M-450	3666445042394	181	905
P-920-S5M-450	3666445042387	184	920
P-940-S5M-450	3666445042370	188	940
P-950-S5M-450	3666445042363	190	950
P-960-S5M-450	3666445042356	192	960
P-975-S5M-450	3666445042349	195	975
P-985-S5M-450	3666445042332	197	985
P-995-S5M-450	3666445042325	199	995
P-1000-S5M-480	3666445042318	200	1000
P-1025-S5M-450	3666445042301	205	1025
P-1050-S5M-450	3666445042295	210	1050
P-1100-S5M-450	3666445042288	220	1100
P-1115-S5M-450	3666445042271	223	1115
P-1125-S5M-450	3666445042264	225	1125
P-1135-S5M-450	3666445042257	227	1135
P-1145-S5M-450	3666445042240	229	1145
P-1160-S5M-450	3666445042233	232	1160
P-1180-S5M-450	3666445042226	236	1180
P-1195-S5M-450	3666445042219	239	1195
P-1200-S5M-450	3666445042202	240	1200
P-1225-S5M-450	3666445042196	245	1225
P-1240-S5M-450	3666445042189	248	1240
P-1250-S5M-450	3666445042172	250	1250
P-1270-S5M-480	3666445042165	254	1270
P-1295-S5M-450	3666445042158	259	1295
P-1350-S5M-450	3666445042141	270	1350
P-1420-S5M-450	3666445042134	284	1420
P-1475-S5M-450	3666445042127	295	1475
P-1500-S5M-450	3666445042110	300	1500
P-1510-S5M-450	3666445042103	302	1510
P-1530-S5M-450	3666445042097	306	1530
P-1550-S5M-450	3666445042080	310	1550
P-1595-S5M-450	3666445042073	319	1595
P-1600-S5M-450	3666445042066	320	1600
P-1615-S5M-450	3666445042059	323	1615
P-1685-S5M-450	3666445042042	337	1685
P-1690-S5M-450	3666445042035	338	1690
P-1765-S5M-450	3666445042028	353	1765
P-1800-S5M-450	3666445042011	360	1800
P-1945-S5M-450	3666445042004	389	1945
P-1960-S5M-450	3666445041991	392	1960

Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-2000-S5M-450	3666445041984	400	2000
P-2525-S5M-450	3666445041977	505	2525
P-2800-S5M-450	3666445041960	560	2800
P-4000-S5M-480	3666445041953	800	4000

2.1.4 TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE



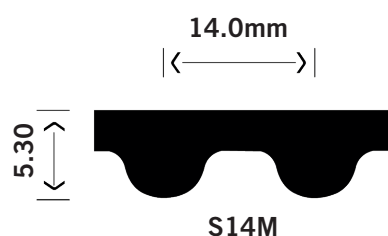
Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-318-S8M-450	3666445041212	40	318
P-352-S8M-450	3666445041205	44	352
P-376-S8M-450	3666445041199	47	376
P-384-S8M-480	3666445041182	48	384
P-392-S8M-480	3666445041175	49	392
P-400-S8M-480	3666445041168	50	400
P-416-S8M-450	3666445041151	52	416
P-424-S8M-450	3666445041144	53	424
P-432-S8M-450	3666445041137	54	432
P-440-S8M-450	3666445041120	55	440
P-464-S8M-370	3666445041113	58	464
P-480-S8M-450	3666445041106	60	480
P-496-S8M-480	3666445041090	62	496
P-512-S8M-450	3666445041083	64	512
P-520-S8M-480	3666445041076	65	520
P-528-S8M-450	3666445041069	66	528
P-536-S8M-450	3666445041052	67	536
P-560-S8M-450	3666445041045	70	560
P-584-S8M-450	3666445041038	73	584
P-592-S8M-450	3666445041021	74	592
P-600-S8M-450	3666445041014	75	600
P-616-S8M-450	3666445041007	77	616
P-624-S8M-370	3666445040994	78	624
P-632-S8M-450	3666445040987	79	632
P-640-S8M-450	3666445040970	80	640
P-656-S8M-370	3666445040963	82	656
P-664-S8M-450	3666445040956	83	664
P-672-S8M-450	3666445040949	84	672
P-680-S8M-450	3666445040932	85	680
P-704-S8M-450	3666445040925	88	704
P-712-S8M-450	3666445040918	89	712
P-720-S8M-370	3666445040901	90	720
P-728-S8M-450	3666445040895	91	728
P-752-S8M-450	3666445040888	94	752
P-760-S8M-370	3666445040871	95	760
P-776-S8M-450	3666445040864	97	776
P-792-S8M-450	3666445040857	99	792
P-800-S8M-370	3666445040840	100	800
P-816-S8M-450	3666445040833	102	816
P-824-S8M-370	3666445040826	103	824
P-840-S8M-370	3666445040819	105	840
P-848-S8M-540	3666445040802	106	848
P-856-S8M-480	3666445040796	107	856
P-872-S8M-450	3666445040789	109	872
P-880-S8M-540	3666445040772	110	880
P-888-S8M-480	3666445040765	111	888
P-896-S8M-540	3666445040758	112	896
P-902-S8M-450	3666445040741	113	902
P-920-S8M-370	3666445040734	115	920
P-944-S8M-450	3666445040727	118	944
P-960-S8M-480	3666445040710	120	960
P-976-S8M-450	3666445040703	122	976
P-984-S8M-450	3666445040697	123	984
P-992-S8M-450	3666445040680	124	992
P-1000-S8M-540	3666445040673	125	1000
P-1008-S8M-450	3666445040666	126	1008
P-1016-S8M-450	3666445040659	127	1016
P-1024-S8M-540	3666445040642	128	1024
P-1032-S8M-450	3666445040635	129	1032
P-1040-S8M-370	3666445040628	130	1040
P-1056-S8M-540	3666445040611	132	1056
P-1064-S8M-540	3666445040604	133	1064
P-1072-S8M-540	3666445040598	134	1072
P-1080-S8M-540	3666445040581	135	1080

Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-1088-S8M-450	3666445040574	136	1088
P-1096-S8M-540	3666445040567	137	1096
P-1104-S8M-370	3666445040550	138	1104
P-1120-S8M-450	3666445040543	140	1120
P-1128-S8M-540	3666445040536	141	1128
P-1136-S8M-540	3666445040529	142	1136
P-1144-S8M-450	3666445040512	143	1144
P-1152-S8M-450	3666445040505	144	1152
P-1160-S8M-450	3666445040499	145	1160
P-1168-S8M-370	3666445040482	146	1168
P-1176-S8M-960	3666445040475	147	1176
P-1184-S8M-960	3666445040468	148	1184
P-1192-S8M-960	3666445040451	149	1192
P-1200-S8M-540	3666445040444	150	1200
P-1216-S8M-540	3666445040437	152	1216
P-1224-S8M-540	3666445040420	153	1224
P-1240-S8M-450	3666445040413	155	1240
P-1248-S8M-540	3666445040406	156	1248
P-1256-S8M-450	3666445040390	157	1256
P-1264-S8M-450	3666445040383	158	1264
P-1280-S8M-540	3666445040376	160	1280
P-1296-S8M-540	3666445040369	162	1296
P-1304-S8M-540	3666445040352	163	1304
P-1312-S8M-540	3666445040345	164	1312
P-1320-S8M-450	3666445040338	165	1320
P-1328-S8M-450	3666445040321	166	1328
P-1344-S8M-540	3666445040314	168	1344
P-1352-S8M-540	3666445040307	169	1352
P-1360-S8M-450	3666445040291	170	1360
P-1368-S8M-540	3666445040284	171	1368
P-1376-S8M-450	3666445040277	172	1376
P-1384-S8M-540	3666445040260	173	1384
P-1392-S8M-450	3666445040253	174	1392
P-1400-S8M-540	3666445040246	175	1400
P-1408-S8M-540	3666445040239	176	1408
P-1424-S8M-450	3666445040222	178	1424
P-1432-S8M-540	3666445040215	179	1432
P-1440-S8M-540	3666445040208	180	1440
P-1480-S8M-450	3666445040192	185	1480
P-1512-S8M-450	3666445040185	189	1512
P-1520-S8M-450	3666445040178	190	1520
P-1528-S8M-540	3666445040161	191	1528
P-1536-S8M-540	3666445040154	192	1536
P-1544-S8M-540	3666445040147	193	1544
P-1552-S8M-540	3666445040130	194	1552
P-1584-S8M-450	3666445040123	198	1584
P-1600-S8M-450	3666445040116	200	1600
P-1624-S8M-450	3666445040109	203	1624
P-1640-S8M-450	3666445040093	205	1640
P-1648-S8M-450	3666445040086	206	1648
P-1672-S8M-540	3666445040079	209	1672
P-1680-S8M-540	3666445040062	210	1680
P-1688-S8M-540	3666445040055	211	1688
P-1728-S8M-450	3666445040048	216	1728
P-1744-S8M-540	3666445040031	218	1744
P-1760-S8M-540	3666445040024	220	1760
P-1776-S8M-450	3666445040017	222	1776
P-1784-S8M-540	3666445040000	223	1784
P-1792-S8M-450	3666445039993	224	1792
P-1800-S8M-540	3666445039986	225	1800
P-1832-S8M-450	3666445039979	229	1832
P-1840-S8M-450	3666445039972	230	1840
P-1856-S8M-450	3666445039965	232	1856
P-1880-S8M-450	3666445039958	235	1880

2.1.4 TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE



Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-1896-S8M-450	3666445039936	237	1896
P-1904-S8M-450	3666445039929	238	1904
P-1912-S8M-540	3666445039912	239	1912
P-1920-S8M-450	3666445039905	240	1920
P-1936-S8M-450	3666445039899	242	1936
P-1952-S8M-450	3666445039882	244	1952
P-1960-S8M-450	3666445039875	245	1960
P-2000-S8M-450	3666445039868	250	2000
P-2024-S8M-540	3666445039851	253	2024
P-2032-S8M-480	3666445039844	254	2032
P-2040-S8M-450	3666445039837	255	2040
P-2048-S8M-450	3666445039820	256	2048
P-2056-S8M-450	3666445039813	257	2056
P-2080-S8M-450	3666445039806	260	2080
P-2104-S8M-450	3666445039790	263	2104
P-2136-S8M-450	3666445039783	267	2136
P-2160-S8M-450	3666445039776	270	2160
P-2200-S8M-450	3666445039769	275	2200
P-2240-S8M-540	3666445039752	280	2240
P-2272-S8M-540	3666445039745	284	2272
P-2296-S8M-450	3666445039738	287	2296
P-2304-S8M-450	3666445039721	288	2304
P-2384-S8M-540	3666445039714	298	2384
P-2400-S8M-450	3666445039707	300	2400
P-2496-S8M-450	3666445039691	312	2496
P-2504-S8M-450	3666445039684	313	2504
P-2600-S8M-450	3666445039677	325	2600
P-2704-S8M-450	3666445039660	338	2704
P-2800-S8M-450	3666445039653	350	2800
P-2848-S8M-450	3666445039646	356	2848
P-2880-S8M-450	3666445039639	360	2880
P-2904-S8M-450	3666445039622	363	2904
P-3048-S8M-480	3666445039615	381	3048
P-3200-S8M-450	3666445039608	400	3200
P-3280-S8M-450	3666445039592	410	3280
P-3304-S8M-450	3666445039585	413	3304
P-3400-S8M-450	3666445039578	425	3400
P-3440-S8M-450	3666445039561	430	3440
P-3600-S8M-450	3666445039554	450	3600
P-3720-S8M-450	3666445039547	465	3720
P-4000-S8M-450	3666445039530	500	4000
P-4400-S8M-480	3666445039523	550	4400
P-5280-S8M-480	3666445039516	660	5280

Standard Belt Range

CMW Product code	GTIN (EAN) code	Number of teeth	Pitch Length Lp (mm)
P-966-S14M-430	3666445038045	69	966
P-1008-S14M-430	3666445038038	72	1008
P-1120-S14M-430	3666445038021	80	1120
P-1190-S14M-430	3666445038014	85	1190
P-1246-S14M-430	3666445038007	89	1246
P-1288-S14M-430	3666445037994	92	1288
P-1344-S14M-430	3666445037987	96	1344
P-1358-S14M-430	3666445037970	97	1358
P-1400-S14M-480	3666445037963	100	1400
P-1456-S14M-430	3666445037956	104	1456
P-1470-S14M-430	3666445037949	105	1470
P-1512-S14M-430	3666445037932	108	1512
P-1540-S14M-430	3666445037925	110	1540
P-1610-S14M-480	3666445037918	115	1610
P-1652-S14M-430	3666445037901	118	1652
P-1750-S14M-430	3666445037895	125	1750
P-1764-S14M-430	3666445037888	126	1764
P-1778-S14M-430	3666445037871	127	1778
P-1806-S14M-480	3666445037864	129	1806
P-1890-S14M-430	3666445037857	135	1890
P-1904-S14M-430	3666445037840	136	1904
P-1932-S14M-430	3666445037833	138	1932
P-2002-S14M-430	3666445037826	143	2002
P-2100-S14M-430	3666445037819	150	2100
P-2156-S14M-430	3666445037802	154	2156
P-2240-S14M-480	3666445037796	160	2240
P-2310-S14M-430	3666445037789	165	2310
P-2338-S14M-430	3666445037772	167	2338
P-2380-S14M-430	3666445037765	170	2380
P-2450-S14M-430	3666445037758	175	2450
P-2506-S14M-480	3666445037741	179	2506
P-2590-S14M-430	3666445037734	185	2590
P-2800-S14M-430	3666445037727	200	2800
P-3136-S14M-480	3666445037710	224	3136
P-3150-S14M-430	3666445037703	225	3150
P-3248-S14M-430	3666445037697	232	3248
P-3360-S14M-430	3666445037680	240	3360
P-3500-S14M-430	3666445037673	250	3500
P-3850-S14M-430	3666445037666	275	3850
P-4004-S14M-430	3666445037659	286	4004
P-4060-S14M-480	3666445037642	290	4060
P-4326-S14M-430	3666445037635	309	4326
P-4410-S14M-430	3666445037628	315	4410
P-4508-S14M-430	3666445037611	322	4508

POWER RATING

2.1.4 TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE

Section S3M / 6 mm

r.p.m. of small Pulley	Number of teeth on small pulley z_k															
	14	15	16	18	20	22	24	26	28	30	32	36	40	44	50	60
	Pitch ϕd_w (mm)															
n_k (min ⁻¹)	13.37	14.32	15.28	17.19	19.10	21.01	22.92	24.83	26.74	28.65	30.56	34.38	38.20	42.02	47.75	57.30
50	5,10	5,10	6,12	6,12	7,14	8,16	8,16	9,18	10,20	11,22	11,22	13,26	14,28	15,30	17,34	20,40
100	9,18	9,18	10,20	12,24	13,26	14,28	15,30	17,34	18,36	19,38	21,42	23,46	25,50	28,56	31,62	37,74
150	12,24	13,26	14,28	16,32	18,36	20,40	22,44	24,48	26,52	27,54	29,58	33,66	36,72	39,78	44,88	53,04
200	16,32	17,34	18,36	21,42	23,46	26,52	28,56	30,60	33,66	35,70	37,74	42,84	46,92	51,00	57,12	68,34
250	19,38	21,42	22,44	25,50	28,56	31,62	34,68	37,74	39,78	42,84	45,90	51,00	56,10	62,22	69,36	81,60
300	22,44	24,48	26,52	29,58	33,66	36,72	39,78	43,86	46,92	49,98	53,04	59,16	66,30	72,42	80,58	95,88
350	25,50	27,54	29,58	33,66	37,74	41,82	45,90	49,98	53,04	57,12	60,18	67,32	74,46	82,62	91,80	108,12
400	28,56	31,62	33,66	37,74	42,84	46,92	51,00	55,08	59,16	63,24	67,32	75,48	83,64	91,80	102,00	121,38
450	31,62	34,68	36,72	41,82	46,92	52,02	56,10	61,20	65,28	70,38	74,46	83,64	91,80	100,98	113,22	133,62
500	34,68	37,74	39,78	45,90	51,00	56,10	61,20	66,30	71,40	76,50	81,60	90,78	100,98	110,16	123,42	145,86
550	37,74	40,80	43,86	48,96	55,08	61,20	66,30	72,42	77,52	82,62	87,72	98,94	109,14	119,34	132,60	157,08
600	39,78	43,86	46,92	53,04	59,16	65,28	71,40	77,52	83,64	88,74	94,86	106,08	116,28	127,50	142,80	168,30
650	42,84	46,92	49,98	57,12	63,24	69,36	76,50	82,62	88,74	94,86	100,98	113,22	124,44	136,68	151,98	179,52
700	45,90	48,96	53,04	60,18	67,32	74,46	80,58	87,72	93,84	100,98	107,10	120,36	132,60	144,84	162,18	190,74
800	51,00	55,08	59,16	67,32	74,46	82,62	90,78	97,92	105,06	112,20	119,34	133,62	147,90	161,16	179,52	212,16
900	56,10	60,18	65,28	73,44	82,62	90,78	98,94	107,10	115,26	123,42	131,58	146,88	162,18	177,48	197,88	232,56
1000	61,20	65,28	70,38	80,58	89,76	98,94	108,12	117,30	125,46	134,64	142,80	160,14	176,46	192,78	215,22	252,96
1100	65,28	70,38	76,50	86,70	96,90	107,10	116,28	126,48	135,66	144,84	154,02	172,38	189,72	208,08	231,54	272,34
1200	70,38	75,48	81,60	92,82	104,04	114,24	124,44	135,66	145,86	155,04	165,24	184,62	204,00	222,36	247,86	291,72
1300	74,46	80,58	86,70	98,94	110,16	121,38	132,60	143,82	155,04	165,24	176,46	196,86	217,26	237,66	264,18	310,08
1400	79,56	85,68	91,80	105,06	117,30	129,54	140,76	153,00	164,22	175,44	186,66	208,08	229,50	250,92	279,48	328,44
1500	83,64	90,78	96,90	110,16	123,42	136,68	148,92	161,16	173,40	185,64	196,86	220,32	242,76	265,20	294,78	346,80
1600	87,72	94,86	102,00	116,28	129,54	143,82	157,08	169,32	182,58	194,82	207,06	231,54	255,00	278,46	310,08	364,14
1700	91,80	99,96	107,10	121,38	136,68	149,94	164,22	177,48	190,74	204,00	217,26	242,76	267,24	291,72	324,36	380,46
1800	95,88	104,04	112,20	127,50	142,80	157,08	171,36	185,64	199,92	213,18	226,44	252,96	278,46	304,98	338,64	397,80
1900	99,96	108,12	116,28	132,60	148,92	164,22	178,50	193,80	208,08	222,36	236,64	264,18	290,70	317,22	352,92	414,12
2000	104,04	112,20	121,38	137,70	154,02	170,34	185,64	201,96	216,24	231,54	245,82	274,38	301,92	330,48	366,18	429,42
2200	112,20	121,38	130,56	148,92	166,26	183,60	199,92	216,24	232,56	248,88	264,18	294,78	324,36	354,96	393,72	461,04
2400	119,34	129,54	138,72	158,10	177,48	195,84	214,20	231,54	248,88	266,22	282,54	315,18	346,80	378,42	419,22	490,62
2600	126,48	137,70	147,90	168,30	188,70	208,08	227,46	245,82	264,18	282,54	299,88	334,56	367,20	400,86	444,72	519,18
2800	133,62	144,84	156,06	177,48	198,90	220,32	239,70	260,10	279,48	297,84	317,22	352,92	387,60	423,30	469,20	546,72
3000	140,76	153,00	164,22	187,68	209,10	231,54	252,96	273,36	293,76	314,16	333,54	371,28	408,00	444,72	492,66	573,24
3200	147,90	160,14	172,38	196,86	220,32	242,76	265,20	286,62	308,04	328,44	348,84	388,62	427,38	466,14	515,10	599,76
3400	154,02	167,28	180,54	205,02	229,50	253,98	277,44	299,88	322,32	343,74	365,16	405,96	445,74	486,54	537,54	624,24
3600	160,14	174,42	187,68	214,20	239,70	264,18	288,66	312,12	335,58	358,02	380,46	423,30	464,10	505,92	558,96	647,70
3800	167,28	180,54	194,82	222,36	248,88	275,40	299,88	324,36	348,84	372,30	394,74	439,62	482,46	525,30	579,36	671,16
4000	173,40	187,68	201,96	230,52	258,06	285,60	311,10	336,60	362,10	385,56	410,04	455,94	499,80	543,66	599,76	692,58
4500	187,68	204,00	220,32	250,92	280,50	310,08	338,64	366,18	392,70	419,22	444,72	493,68	540,60	587,52	646,68	743,58
5000	201,96	219,30	236,64	270,30	302,94	333,54	364,14	393,72	422,28	450,84	477,36	530,40	579,36	628,32	690,54	789,48
5500	215,22	234,60	252,96	288,66	323,34	355,98	388,62	420,24	450,84	480,42	508,98	564,06	615,06	666,06	729,30	829,26
6000	228,48	247,86	268,26	306,00	342,72	377,40	412,08	444,72	477,36	507,96	538,56	595,68	648,72	701,76	766,02	864,96
6500	240,72	261,12	282,54	322,32	361,08	397,80	434,52	469,20	501,84	534,48	566,10	625,26	680,34	733,38	797,64	893,52
7000	251,94	274,38	296,82	338,64	378,42	418,20	454,92	491,64	526,32	559,98	591,60	652,80	708,90	761,94	826,20	918,00
7500	264,18	286,62	310,08	353,94	395,76	436,56	475,32	513,06	548,76	583,44	616,08	678,30	735,42	788,46	850,68	935,34
8000	274,38	298,86	322,32	368,22	412,08	453,90	494,70	533,46	570,18	605,88	639,54	701,76	758,88	811,92	871,08	947,58
9000	294,78	321,30	346,80	395,76	442,68	487,56	530,40	570,18	608,94	645,66	680,34	743,58	799,68	848,64	901,68	953,70

POWER RATING

2.1.4 TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE

Section S5M / 10 mm

r.p.m. of small Pulley	Number of teeth on small pulley z_k															
	14	15	16	18	20	22	24	26	28	30	32	36	40	44	48	60
	Pitch ϕd_w (mm)															
n_k (min ⁻¹)	22.28	23.87	25.46	28.65	31.83	35.01	38.20	41.38	44.56	47.75	50.93	57.30	63.66	70.03	76.39	95.49
50	16,32	18,36	19,38	22,44	25,50	28,56	31,62	34,68	37,74	40,80	43,86	48,96	55,08	60,18	65,28	81,60
100	30,60	32,64	35,70	41,82	46,92	53,04	58,14	63,24	69,36	74,46	79,56	89,76	99,96	110,16	120,36	149,94
150	42,84	46,92	51,00	59,16	67,32	74,46	82,62	90,78	97,92	106,08	113,22	127,50	142,80	157,08	171,36	213,18
200	54,06	59,16	64,26	75,48	85,68	95,88	106,08	115,26	125,46	134,64	144,84	164,22	182,58	200,94	219,30	273,36
250	65,28	71,40	77,52	90,78	103,02	115,26	127,50	139,74	151,98	163,20	175,44	197,88	221,34	243,78	265,20	330,48
300	75,48	82,62	90,78	105,06	120,36	134,64	148,92	163,20	176,46	190,74	204,00	231,54	258,06	284,58	310,08	385,56
350	85,68	93,84	103,02	120,36	136,68	153,00	169,32	185,64	201,96	217,26	232,56	264,18	293,76	324,36	352,92	439,62
400	94,86	105,06	114,24	133,62	153,00	171,36	189,72	207,06	225,42	242,76	260,10	294,78	329,46	362,10	395,76	491,64
450	105,06	115,26	126,48	147,90	168,30	188,70	209,10	228,48	248,88	268,26	287,64	325,38	363,12	399,84	436,56	542,64
500	114,24	125,46	137,70	161,16	183,60	206,04	228,48	249,90	271,32	292,74	314,16	355,98	396,78	436,56	476,34	592,62
550	123,42	135,66	148,92	173,40	198,90	222,36	246,84	270,30	293,76	317,22	339,66	385,56	429,42	473,28	516,12	641,58
600	131,58	145,86	159,12	186,66	213,18	239,70	265,20	290,70	316,20	340,68	365,16	414,12	462,06	508,98	554,88	689,52
650	140,76	155,04	170,34	198,90	227,46	255,00	283,56	310,08	337,62	364,14	390,66	442,68	493,68	543,66	592,62	736,44
700	148,92	164,22	180,54	211,14	241,74	271,32	300,90	329,46	358,02	386,58	415,14	470,22	524,28	577,32	630,36	782,34
800	165,24	182,58	200,94	235,62	269,28	301,92	335,58	368,22	399,84	431,46	463,08	524,28	585,48	644,64	702,78	873,12
900	181,56	200,94	220,32	258,06	295,80	332,52	369,24	404,94	440,64	475,32	510,00	577,32	644,64	709,92	774,18	959,82
1000	196,86	218,28	238,68	280,50	321,30	362,10	401,88	440,64	479,40	517,14	554,88	629,34	701,76	773,16	842,52	1045,50
1100	211,14	234,60	257,04	302,94	346,80	390,66	433,50	475,32	517,14	558,96	599,76	679,32	757,86	834,36	909,84	1128,12
1200	225,42	250,92	275,40	324,36	371,28	418,20	465,12	510,00	554,88	599,76	642,60	729,30	812,94	894,54	975,12	1208,70
1300	239,70	266,22	292,74	344,76	395,76	445,74	494,70	543,66	591,60	638,52	685,44	777,24	865,98	953,70	1039,38	1287,24
1400	252,96	281,52	310,08	365,16	419,22	472,26	525,30	576,30	627,30	677,28	727,26	824,16	919,02	1011,84	1102,62	1364,76
1500	267,24	296,82	326,40	385,56	442,68	498,78	553,86	608,94	661,98	715,02	768,06	870,06	970,02	1067,94	1163,82	1439,22
1600	279,48	311,10	342,72	404,94	465,12	524,28	582,42	640,56	696,66	752,76	807,84	915,96	1021,02	1124,04	1224,00	1512,66
1700	292,74	325,38	359,04	423,30	487,56	549,78	610,98	671,16	730,32	789,48	846,60	959,82	1069,98	1178,10	1283,16	1584,06
1800	304,98	339,66	374,34	442,68	508,98	574,26	638,52	701,76	763,98	825,18	885,36	1003,68	1118,94	1231,14	1340,28	1653,42
1900	317,22	353,94	389,64	461,04	530,40	598,74	666,06	731,34	796,62	860,88	923,10	1046,52	1166,88	1283,16	1397,40	1721,76
2000	329,46	367,20	404,94	479,40	551,82	623,22	692,58	760,92	829,26	895,56	960,84	1089,36	1212,78	1334,16	1452,48	1788,06
2200	352,92	393,72	434,52	514,08	592,62	669,12	744,60	819,06	891,48	962,88	1033,26	1170,96	1304,58	1434,12	1559,58	1916,58
2400	374,34	419,22	463,08	548,76	632,40	715,02	795,60	875,16	952,68	1029,18	1103,64	1250,52	1392,30	1530,00	1662,60	2037,96
2600	396,78	443,70	489,60	581,40	671,16	758,88	844,56	929,22	1010,82	1092,42	1171,98	1327,02	1476,96	1621,80	1761,54	2153,22
2800	417,18	467,16	517,14	614,04	708,90	801,72	892,50	981,24	1068,96	1154,64	1238,28	1401,48	1558,56	1710,54	1856,40	2262,36
3000	437,58	490,62	542,64	645,66	745,62	842,52	938,40	1032,24	1124,04	1213,80	1302,54	1473,90	1638,12	1796,22	1948,20	2365,38
3200	456,96	512,04	567,12	675,24	780,30	883,32	984,30	1082,22	1178,10	1271,94	1364,76	1543,26	1713,60	1877,82	2034,90	2462,28
3400	475,32	534,48	591,60	704,82	814,98	922,08	1028,16	1130,16	1230,12	1329,06	1424,94	1610,58	1787,04	1956,36	2117,52	2552,04
3600	493,68	554,88	615,06	733,38	848,64	960,84	1069,98	1177,08	1281,12	1383,12	1483,08	1674,84	1857,42	2031,84	2196,06	2635,68
3800	511,02	575,28	638,52	761,94	881,28	997,56	1111,80	1222,98	1331,10	1436,16	1539,18	1738,08	1925,76	2103,24	2271,54	2712,18
4000	528,36	594,66	659,94	788,46	912,90	1034,28	1152,60	1266,84	1379,04	1488,18	1594,26	1798,26	1990,02	2171,58	2341,92	2782,56
4500	569,16	641,58	712,98	853,74	989,40	1119,96	1248,48	1371,90	1492,26	1609,56	1722,78	1939,02	2139,96	2327,64	2501,04	2927,40
5000	606,90	685,44	762,96	913,92	1059,78	1200,54	1338,24	1469,82	1597,32	1721,76	1840,08	2065,50	2272,56	2462,28	2632,62	3025,32
5500	641,58	726,24	808,86	971,04	1126,08	1276,02	1420,86	1560,60	1694,22	1823,76	1947,18	2177,70	2386,80	2573,46	2736,66	3074,28
6000	674,22	763,98	851,70	1023,06	1187,28	1345,38	1497,36	1643,22	1781,94	1915,56	2042,04	2275,62	2482,68	2661,18	2811,12	3071,22
6500	703,80	798,66	891,48	1072,02	1244,40	1409,64	1567,74	1718,70	1861,50	1997,16	2125,68	2358,24	2558,16	2725,44	2856,00	3014,10
7000	730,32	830,28	928,20	1117,92	1297,44	1468,80	1632,00	1787,04	1932,90	2069,58	2197,08	2425,56	2614,26	2763,18	2868,24	2897,82
7500	755,82	859,86	961,86	1159,74	1346,40	1522,86	1690,14	1847,22	1994,10	2131,80	2257,26	2476,56	2649,96	2774,40	2846,82	2719,32
8000	778,26	887,40	993,48	1197,48	1390,26	1571,82	1742,16	1900,26	2047,14	2182,80	2305,20	2511,24	2663,22	2757,06	2789,70	2476,56
9000	817,02	933,30	1046,52	1263,78	1464,72	1652,40	1825,80	1982,88	2125,68	2252,16	2361,30	2528,58	2621,40	2634,66	2563,26	1779,90

POWER RATING

2.1.4 TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE

Section S8M / 60 mm

r.p.m. of small Pulley	Number of teeth on small pulley z_k															
	20	21	22	24	26	28	30	32	36	40	44	48	50	60	72	84
	Pitch ϕd_w (mm)															
n_k (min ⁻¹)	50,93	53,48	56,02	61,12	66,21	71,30	76,39	81,49	91,67	101,86	112,05	122,23	127,32	152,79	183,35	213,90
50	0,38	0,40	0,41	0,45	0,49	0,52	0,56	0,60	0,67	0,74	0,83	0,90	0,94	1,12	1,35	1,57
100	0,74	0,79	0,83	0,90	0,97	1,05	1,12	1,20	1,35	1,50	1,65	1,80	1,88	2,24	2,69	3,14
200	1,50	1,57	1,65	1,80	1,95	2,10	2,24	2,40	2,69	3,00	3,29	3,59	3,74	4,49	5,39	6,28
300	2,24	2,36	2,47	2,69	2,92	3,14	3,37	3,59	4,04	4,49	4,94	5,39	5,61	6,73	8,08	9,42
400	3,00	3,14	3,29	3,59	3,90	4,19	4,49	4,79	5,39	5,99	6,59	7,18	7,49	8,98	10,76	12,55
500	3,74	3,93	4,12	4,49	4,87	5,24	5,61	5,99	6,73	7,49	8,23	8,98	9,34	11,21	13,43	15,65
600	4,49	4,71	4,94	5,39	5,83	6,28	6,73	7,18	8,08	8,98	9,86	10,76	11,21	13,43	16,10	18,74
700	5,24	5,50	5,76	6,28	6,81	7,33	7,85	8,37	9,42	10,47	11,51	12,55	13,06	15,65	18,74	21,80
800	5,99	6,28	6,59	7,18	7,78	8,37	8,98	9,57	10,76	11,94	13,14	14,32	14,91	17,86	21,36	24,83
900	6,73	7,07	7,41	8,08	8,75	9,42	10,09	10,76	12,10	13,43	14,76	16,10	16,75	20,05	23,97	27,84
1000	7,49	7,85	8,23	8,98	9,72	10,47	11,21	11,95	13,43	14,91	16,38	17,86	18,58	22,24	26,55	30,80
1100	8,23	8,64	9,05	9,86	10,69	11,51	12,32	13,14	14,76	16,38	18,00	19,61	20,41	24,40	29,11	33,73
1200	8,98	9,42	9,86	10,76	11,65	12,55	13,43	14,32	16,09	17,86	19,61	21,36	22,24	26,55	31,64	36,62
1300	9,72	10,20	10,69	11,65	12,62	13,58	14,55	15,50	17,41	19,32	21,22	23,10	24,04	28,68	34,15	39,45
1400	10,47	10,99	11,51	12,55	13,58	14,62	15,65	16,68	18,74	20,78	22,82	24,84	25,84	30,80	36,62	42,24
1500	11,21	11,76	12,32	13,43	14,55	15,65	16,75	17,86	20,05	22,24	24,40	26,55	27,62	32,90	39,06	44,97
1600	11,94	12,55	13,14	14,32	15,50	16,68	17,85	19,03	21,36	23,68	25,98	28,26	29,40	34,98	41,45	47,64
1700	12,69	13,32	13,95	15,21	16,46	17,71	18,95	20,20	22,66	25,12	27,55	29,96	31,15	37,03	43,81	50,25
1800	13,43	14,10	14,76	16,10	17,41	18,74	20,05	21,36	23,97	26,55	29,11	31,64	32,90	39,06	46,12	52,79
1900	14,17	14,87	15,58	16,97	18,37	19,76	21,14	22,52	25,27	27,98	30,66	33,31	34,63	41,06	48,39	55,25
2000	14,91	15,65	16,38	17,86	19,32	20,78	22,24	23,68	26,55	29,40	32,20	34,98	36,34	43,02	50,61	57,65
2100	15,65	16,42	17,20	18,74	20,27	21,80	23,32	24,84	27,84	30,80	33,73	36,62	38,04	44,97	52,79	59,97
2200	16,38	17,20	18,00	19,61	21,22	22,81	24,40	25,98	29,11	32,20	35,25	38,24	39,72	46,88	54,91	62,20
2300	17,13	17,96	18,81	20,49	22,16	23,83	25,48	27,12	30,38	33,59	36,75	39,85	41,38	48,77	56,98	64,34
2400	17,86	18,74	19,61	21,36	23,10	24,83	26,55	28,26	31,64	34,98	38,24	41,45	43,02	50,61	58,99	66,40
2500	18,58	19,50	20,41	22,24	24,04	25,84	27,62	29,40	32,90	36,34	39,72	43,02	44,65	52,43	60,93	68,36
2600	19,32	20,27	21,22	23,10	24,98	26,84	28,68	30,52	34,15	37,70	41,19	44,58	46,25	54,21	62,82	70,22
2700	20,05	21,03	22,01	23,97	25,91	27,84	29,74	31,64	35,38	39,06	42,64	46,12	47,83	55,95	64,65	71,98
2800	20,78	21,80	22,81	24,84	26,84	28,83	30,80	32,76	36,62	40,39	44,06	47,64	49,39	57,65	66,40	73,63
2900	21,51	22,56	23,60	25,69	27,76	29,81	31,85	33,87	37,83	41,71	45,48	49,13	50,92	59,31	68,09	75,17
3000	22,24	23,32	24,40	26,55	28,69	30,80	32,90	34,98	39,05	43,02	46,89	50,61	52,43	60,93	69,70	76,59
3200	23,68	24,84	25,98	28,26	30,52	32,76	34,98	37,16	41,44	45,61	49,63	53,50	55,38	64,05	72,70	79,09
3400	25,12	26,34	27,55	29,96	32,34	34,70	37,03	39,32	43,81	48,14	52,32	56,29	58,21	66,97	75,38	81,07
3600	26,55	27,84	29,11	31,65	34,15	36,62	39,05	41,45	46,12	50,61	54,92	58,99	60,93	69,70	77,72	82,52
3800	27,98	29,33	30,66	33,31	35,93	38,52	41,04	43,54	48,39	53,03	57,43	61,57	63,54	72,23	79,71	83,41
4000	29,40	30,80	32,20	34,98	37,70	40,38	43,02	45,61	50,61	55,38	59,86	64,05	66,01	74,52	81,31	83,68
4200	30,80	32,27	33,73	36,62	39,45	42,24	44,97	47,64	52,79	57,65	62,20	66,40	68,36	76,59	82,52	
4400	32,20	33,73	35,25	38,25	41,19	44,06	46,88	49,63	54,91	59,86	64,44	68,64	70,56	78,43	83,31	
4600	33,59	35,18	36,75	39,86	42,89	45,87	48,77	51,59	56,98	62,00	66,60	70,74	72,62	80,00	83,66	
4800	34,98	36,62	38,24	41,45	44,58	47,64	50,61	53,50	58,99	64,05	68,64	72,70	74,52	81,31	83,56	
5000	36,34	38,05	39,72	43,02	46,25	49,39	52,43	55,38	60,93	66,01	70,56	74,52	76,27	82,35	82,97	
5200	37,70	39,45	41,18	44,58	47,89	51,10	54,20	57,20	62,82	67,90	72,38	76,20	77,85	83,10		
5400	39,06	40,85	42,63	46,12	49,51	52,79	55,95	58,99	64,65	69,70	74,08	77,72	79,24	83,55		
5600	40,39	42,24	44,06	47,64	51,10	54,44	57,65	60,72	66,40	71,40	75,66	79,09	80,47	83,68		
5800	41,71	43,62	45,48	49,14	52,67	56,06	59,31	62,41	68,09	73,01	77,11	80,28	81,51			
6000	43,02	44,97	46,88	50,62	54,21	57,65	60,93	64,05	69,70	74,52	78,43	81,31	82,34			

POWER RATING

2.1.4 TIMING BELT CURVILINEAR S-TYPE TOOTH PROFILE

Section S14M / 120 mm

r.p.m. of small Pulley	Number of teeth on small pulley z_k														
	28	30	32	34	36	40	42	44	48	50	56	60	64	72	84
n_k (min ⁻¹)	Pitch ϕd_w (mm)														
	124.78	133.69	142.60	151.52	160.43	178.25	187.17	196.08	213.90	222.82	249.55	267.38	285.21	320.86	374.33
20	1,14	1,22	1,31	1,39	1,47	1,63	1,71	1,80	1,96	2,04	2,28	2,45	2,61	2,94	3,43
40	2,28	2,45	2,61	2,77	2,94	3,26	3,43	3,59	3,92	4,08	4,57	4,90	5,22	5,88	6,84
60	3,43	3,67	3,92	4,16	4,41	4,90	5,14	5,39	5,88	6,12	6,84	7,33	7,82	8,80	10,27
80	4,57	4,90	5,22	5,55	5,88	6,52	6,84	7,17	7,82	8,15	9,13	9,78	10,43	11,74	13,69
90	5,14	5,51	5,88	6,24	6,60	7,33	7,70	8,07	8,80	9,17	10,27	11,01	11,74	13,21	15,40
100	5,71	6,12	6,52	6,93	7,33	8,15	8,56	8,97	9,78	10,19	11,41	12,23	13,05	14,67	17,11
200	11,41	12,23	13,05	13,85	14,67	16,30	17,12	17,92	19,55	20,36	22,80	24,42	26,04	29,28	34,14
300	17,12	18,33	19,55	20,77	21,99	24,42	25,64	26,86	29,28	30,50	34,14	36,56	38,97	43,80	50,99
400	22,80	24,42	26,04	27,66	29,28	32,52	34,14	35,75	38,97	40,59	45,40	48,60	51,80	58,15	67,60
500	28,48	30,50	32,52	34,54	36,56	40,59	42,60	44,59	48,60	50,59	56,56	60,52	64,46	72,29	83,86
600	34,14	36,56	38,97	41,39	43,80	48,60	51,00	53,39	58,15	60,52	67,60	72,29	76,94	86,16	99,72
700	39,78	42,60	45,40	48,21	51,00	56,56	59,33	62,10	67,60	70,34	78,49	83,86	89,20	99,72	115,06
800	45,40	48,60	51,80	54,98	58,15	64,45	67,61	70,73	76,94	80,03	89,20	95,24	101,20	112,89	129,81
900	51,00	54,58	58,15	61,71	65,25	72,29	75,79	79,26	86,16	89,58	99,72	106,36	112,90	125,65	143,88
1000	56,56	60,52	64,45	68,38	72,29	80,03	83,86	87,68	95,24	98,97	110,00	117,20	124,27	137,93	157,20
1100	62,10	66,42	70,73	75,01	79,26	87,68	91,85	95,98	104,15	108,18	120,04	127,73	135,25	149,69	169,68
1200	67,61	72,29	76,94	81,57	86,16	95,24	99,72	104,15	112,89	117,20	129,81	137,93	145,84	160,85	181,22
1300	73,06	78,10	83,10	88,07	92,98	102,67	107,46	112,18	121,45	126,01	139,27	147,77	155,97	171,39	191,76
1400	78,49	83,86	89,20	94,48	99,72	110,00	115,06	120,04	129,81	134,58	148,41	157,20	165,62	181,22	201,21
1500	83,86	89,58	95,24	100,83	106,36	117,20	122,51	127,73	137,93	142,90	157,20	166,20	174,75	190,32	209,47
1600	89,20	95,24	101,19	107,09	112,89	124,26	129,81	135,25	145,83	150,96	165,62	174,75	183,31	198,62	216,46
1700	94,48	100,83	107,09	113,26	119,33	131,17	136,94	142,58	153,48	158,73	173,63	182,79	191,29	206,08	222,12
1800	99,72	106,36	112,89	119,34	125,65	137,93	143,88	149,69	160,85	166,21	181,22	190,32	198,62	212,63	226,34
1900	104,89	111,81	118,63	125,31	131,87	144,53	150,64	156,59	167,94	173,36	188,36	197,30	205,30	218,23	229,04
2000	110,01	117,20	124,26	131,18	137,93	150,96	157,20	163,25	174,75	180,17	195,03	203,69	211,25	222,81	230,13
2100	115,06	122,51	129,81	136,94	143,88	157,20	163,56	169,68	181,22	186,63	201,21	209,47	216,46	226,34	
2200	120,04	127,73	135,25	142,58	149,69	163,25	169,68	175,85	187,37	192,72	206,85	214,60	220,90	228,75	
2300	124,96	132,89	140,60	148,09	155,35	169,11	175,57	181,75	193,18	198,41	211,95	219,06	224,51	229,99	
2400	129,81	137,93	145,83	153,48	160,85	174,75	181,23	187,37	198,62	203,69	216,46	222,81	227,27	230,01	
2500	134,58	142,90	150,96	158,73	166,21	180,16	186,63	192,71	203,68	208,55	220,39	225,83	229,12		
2600	139,27	147,77	155,97	163,85	171,39	185,36	191,77	197,75	208,37	212,97	223,69	228,07	230,05		
2700	143,88	152,54	160,85	168,82	176,40	190,32	196,63	202,46	212,63	216,92	226,34	229,52	230,01		
2800	148,41	157,20	165,62	173,63	181,22	195,03	201,21	206,86	216,46	220,39	228,31	230,13			
3000	157,20	166,20	174,75	182,80	190,32	203,68	209,47	214,60	222,81	225,83	230,13				
3200	165,62	174,75	183,31	191,29	198,62	211,25	216,47	220,90	227,27	229,12					
3400	173,63	182,79	191,28	199,06	206,08	217,65	222,12	225,64	229,70	230,15					
3600	181,23	190,32	198,62	206,08	212,63	222,81	226,34	228,75							
3800	188,37	197,30	205,30	212,29	218,23	226,65	229,04	230,10							
4000	195,04	203,69	211,25	217,66	222,81	229,12	230,13								
4200	201,21	209,47	216,46	222,13	226,34	230,13									
4400	206,86	214,60	220,90	225,64	228,75										
4600	211,95	219,06	224,51	228,19	229,99										
4800	216,47	222,81	227,27	229,71											
5000	220,39	225,83	229,12	230,15											



Your expert in DRIVE BELT TECHNOLOGY

CMW Power Transmission designs, manufactures and distributes rubber and polyurethane drive belts in wide variety of industrial and agricultural applications to become your favourite power transmission brand.

CMW Power Transmission SAS

21 Avenue de l'Industrie, 69960 Corbas, France
+33 4 28 29 29 82 | **email** info@cmwpt.com