

Section 3.

PU Timing Belts

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3. PU Timing Belts

3.1 ORION PU Moulded Timing Belt Sleeve Imperial Tooth Sychrotech Drive

ORION Sychrotech Drive 200XL Steel DO NOT CRIMP xx xx

Applications

- > Match timing belt pulley according to ISO 5296
- > Suitable for backside idler application
- > Widely used in various working conditions
- > It is suitable for precise power transmission applications.

Properties

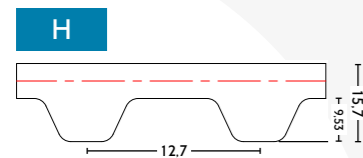
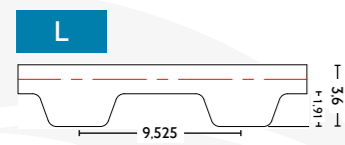
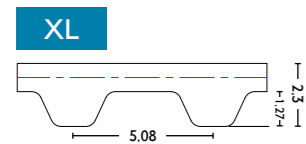
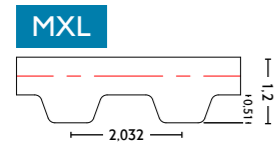
- > Good oil resistance
- > Maintenance-free
- > High flexibility
- > Temperature range from -30°C up to +80°C
- > Have good abrasion, aging, UV and ozone resistant

Material

- > Moulded high quality 88 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

- > DIN / ISO 5296 PART 1&2 / IP24 RMA-MPTA



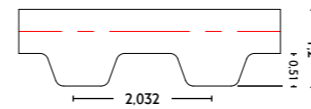
Length Range (mm)	Section			
	MXL	XL	L	H
From	115	254	324	610
To	885	1504	1572	1283



3. PU Timing Belts

3.1 ORION PU Moulded Timing Belt Sleeve Imperial Tooth Sychrotech Drive

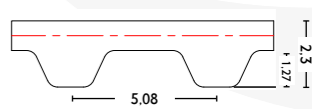
MXL



ISO Code	Number of teeth	Pitch Length Lp (mm)
45.6-MXL	57	115.82
48-MXL	60	121.92
48.8-MXL	61	123.95
49.6-MXL	62	125.98
56-MXL	70	142.24
56.8-MXL	71	144.27
59.2-MXL	74	150.37
60-MXL	75	152.40
60.8-MXL	76	154.43
61.6-MXL	77	156.46
62.4-MXL	78	158.50
63.2-MXL	79	160.53
64-MXL	80	162.56
64.8-MXL	81	164.59
69.6-MXL	87	176.78
72-MXL	90	182.88
72.8-MXL	91	184.91
76.8-MXL	96	195.07
77.6-MXL	97	197.10
78.4-MXL	98	199.14
80-MXL	100	203.20
83.2-MXL	104	211.33
84-MXL	105	213.36
84.8-MXL	106	215.39
88-MXL	110	223.52
92.8-MXL	116	235.71
93.6-MXL	117	237.74
94.4-MXL	118	239.78
95.2-MXL	119	241.81
96-MXL	120	243.84
100-MXL	125	254.00
100.8-MXL	126	256.03
101.6-MXL	127	258.06
102.4-MXL	128	260.10
103.2-MXL	129	262.13
104-MXL	130	264.16
109.6-MXL	137	278.38
110.4-MXL	138	280.42
111.2-MXL	139	282.45
112-MXL	140	284.48
116.8-MXL	146	296.67
118.4-MXL	148	300.74

ISO Code	Number of teeth	Pitch Length Lp (mm)
119.2-MXL	149	302.77
120-MXL	150	304.80
124-MXL	155	314.96
124.8-MXL	156	316.99
126.4-MXL	158	321.06
129.6-MXL	162	329.18
132-MXL	165	335.28
132.8-MXL	166	337.31
134.4-MXL	168	341.38
136-MXL	170	345.44
141.6-MXL	177	359.66
144-MXL	180	365.76
147.2-MXL	184	373.89
148.8-MXL	186	377.95
152-MXL	190	386.08
153.6-MXL	192	390.14
157.6-MXL	197	400.30
160-MXL	200	406.40
164-MXL	205	416.56
164.8-MXL	206	418.59
168-MXL	210	426.72
172.8-MXL	216	438.91
176-MXL	220	447.04
179.2-MXL	224	455.17
180.8-MXL	226	459.23
187.2-MXL	234	475.49
188-MXL	235	477.52
192-MXL	240	487.68
198.4-MXL	248	503.94
200-MXL	250	508.00
204.8-MXL	256	520.19
208-MXL	260	528.32
212-MXL	265	538.48
213.6-MXL	267	542.54
220-MXL	275	558.80
220.8-MXL	276	560.83
224-MXL	280	568.96
228-MXL	285	579.12
232-MXL	290	589.28
236-MXL	295	599.44
237.6-MXL	297	603.50
240-MXL	300	609.60
246.4-MXL	308	625.86
248-MXL	310	629.92
252-MXL	315	640.08
254.4-MXL	318	646.18
256-MXL	320	650.24
265.6-MXL	332	674.62
277.6-MXL	347	705.10
280-MXL	350	711.20

XL



ISO Code	Number of teeth	Pitch Length Lp (mm)
100-XL	50	254.00
108-XL	54	274.32
112-XL	56	284.48
120-XL	60	304.80
124-XL	62	314.96
130-XL	65	330.20
136-XL	68	345.44
140-XL	70	355.60
142-XL	71	360.68
144-XL	72	365.76
150-XL	75	381.00
152-XL	76	386.08
154-XL	77	391.16
160-XL	80	406.40
162-XL	81	411.48
164-XL	82	416.56
170-XL	85	431.80
176-XL	88	447.04
178-XL	89	452.12
180-XL	90	457.20
188-XL	94	477.52
190-XL	95	482.60
192-XL	96	487.68
194-XL	97	492.76
200-XL	100	508.00
202-XL	101	513.08
212-XL	106	538.48
214-XL	107	543.56
216-XL	108	548.64
218-XL	109	553.72
220-XL	110	558.80
230-XL	115	584.20
234-XL	117	594.36
240-XL	120	609.60
252-XL	126	640.08
254-XL	127	645.16
260-XL	130	660.40
264-XL	132	670.56
274-XL	137	695.96
276-XL	138	701.04
278-XL	139	706.12
280-XL	140	711.20

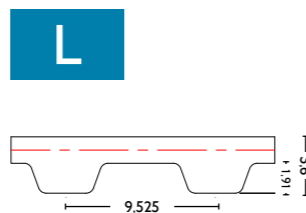
3. PU Timing Belts

3.1 ORION PU Moulded Timing Belt Sleeve Imperial Tooth Synchrotech Drive

XL ... Continued

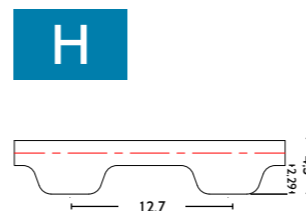
ISO Code	Number of teeth	Pitch Length Lp (mm)
284-XL	142	721.36
290-XL	145	736.60
300-XL	150	762.00
306-XL	153	777.24
310-XL	155	787.40
312-XL	156	792.48
314-XL	157	797.56
316-XL	158	802.64
318-XL	159	807.72
320-XL	160	812.80
330-XL	165	838.20
332-XL	166	843.28
336-XL	168	853.44
340-XL	170	863.60
344-XL	172	873.76
348-XL	174	883.92
350-XL	175	889.00
352-XL	176	894.08
356-XL	178	904.24
360-XL	180	914.40
370-XL	185	939.80
372-XL	186	944.88
374-XL	187	949.96
376-XL	188	955.04
380-XL	190	965.20
392-XL	196	995.68
396-XL	198	1005.84
400-XL	200	1016.00
412-XL	206	1046.48
414-XL	207	1051.56
420-XL	210	1066.80
422-XL	211	1071.88
424-XL	212	1076.96
430-XL	215	1092.20
432-XL	216	1097.28
434-XL	217	1102.36
440-XL	220	1117.60
450-XL	225	1143.00
456-XL	228	1158.24
460-XL	230	1168.40
470-XL	235	1193.80
480-XL	240	1219.20
490-XL	245	1244.60
496-XL	248	1259.84
510-XL	255	1295.40
530-XL	265	1346.20

ISO Code	Number of teeth	Pitch Length Lp (mm)
540-XL	270	1371.60
560-XL	280	1422.40
564-XL	282	1432.56
580-XL	290	1473.20
592-XL	296	1503.68



ISO Code	Number of teeth	Pitch Length Lp (mm)
127-L	34	323.85
135-L	36	342.90
139-L	37	352.43
150-L	40	381.00
154-L	41	390.53
158-L	42	400.05
169-L	45	428.63
177-L	47	447.68
180-L	48	457.20
185-L	49	466.73
187-L	50	476.25
206-L	55	523.88
210-L	56	533.40
214-L	57	542.93
217-L	58	552.45
220-L	59	561.98
225-L	60	571.50
240-L	64	609.60
244-L	65	619.13
259-L	69	657.23
263-L	70	666.75
277-L	74	704.85
285-L	76	723.90
296-L	79	752.48
300-L	80	762.00
315-L	84	800.10
330-L	88	838.20
334-L	89	847.73
352-L	94	895.35
360-L	96	914.40
375-L	100	952.50
397-L	106	1009.65
412-L	110	1047.75
435-L	116	1104.90
439-L	117	1114.43
446-L	119	1133.48
450-L	120	1143.00
453-L	121	1152.53
465-L	124	1181.10
480-L	128	1219.20
484-L	129	1228.73
488-L	130	1238.25

ISO Code	Number of teeth	Pitch Length Lp (mm)
495-L	132	1257.30
525-L	140	1333.50
540-L	144	1371.60
550-L	147	1400.18
560-L	149	1419.23
585-L	156	1485.90
600-L	160	1524.00
619-L	165	1571.63



ISO Code	Number of teeth	Pitch Length Lp (mm)
240-H	48	609.60
250-H	50	635.00
270-H	54	685.80
275-H	55	698.50
290-H	58	736.60
300-H	60	762.00
310-H	62	787.40
315-H	63	800.10
325-H	65	825.50
330-H	66	838.20
335-H	67	850.90
350-H	70	889.00
360-H	72	914.40
380-H	76	965.20
390-H	78	990.60
400-H	80	1016.00
410-H	82	1041.40
415-H	83	1054.10
420-H	84	1066.80
425-H	85	1079.50
435-H	87	1104.90
440-H	88	1117.60
450-H	90	1143.00
470-H	94	1193.80
475-H	95	1206.50
485-H	97	1231.90
490-H	98	1244.60
500-H	100	1270.00
505-H	101	1282.70

3. PU Timing Belts

3.1 ORION PU Moulded Timing Belt Sleeve Imperial Tooth Double Sided Synchrotech Drive

ORION Synchrotech Drive 400-DXL Steel DO NOT CRIMP xx xx

Applications

- > Match timing belt pulley according to ISO 5294.
- > Suitable for backside idler application.
- > Widely used in various working conditions.
- > It is suitable for precise power transmission applications.
- > Specially designed for alternative flexibility in the drive direction. so are well suited for opposite directions drive.

Properties

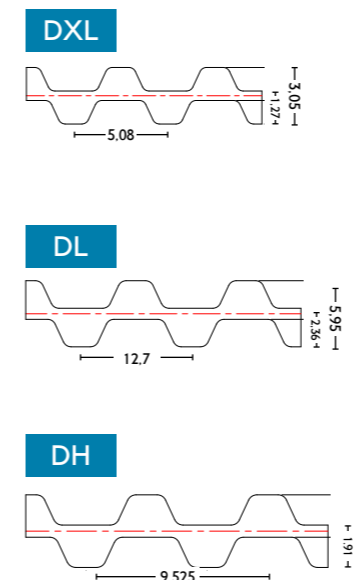
- > Good oil resistance
- > Maintenance-free
- > High flexibility
- > Temperature range from -30°C up to +80°C
- > Have good abrasion, aging, UV and ozone resistant

Material

- > Moulded high quality 88 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

- > DIN / ISO 5296 PART 1&2 / IP24 RMA-MPTA



Section	DXL	DL	DH
Length Range (mm)	On Request	On Request	On Request

3. PU Timing Belts

3.2 ORION PU Moulded Timing Belt Sleeve Metric Tooth Synchrotech Drive

ORION Synchrotech Drive T10-990 Steel DO NOT CRIMP xx xx

Applications

- > Match timing belt pulley according to ISO 17396
- > Suitable for backside idler application
- > Widely used in various working conditions
- > It is suitable for precise power transmission applications.

Properties

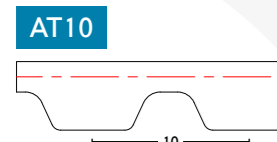
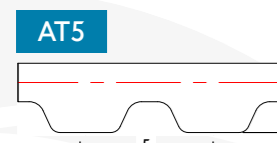
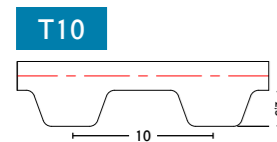
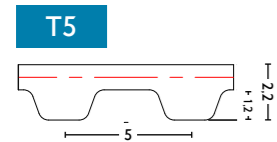
- > Good oil resistance
- > Maintenance-free
- > High flexibility
- > Temperature range from -30°C up to +80°C
- > Have good abrasion, aging, UV and ozone resistant

Material

- > Moulded high quality 88 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

- > ISO 17396 / DIN 7721 PART 1&2



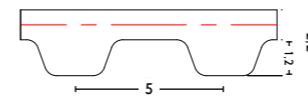
Length Range (mm)	Section			
	T5	T10	AT5	AT10
From	200	400	255	500
To	1100	1600	1500	1700



3. PU Timing Belts

3.2 ORION PU Moulded Timing Belt Sleeve Metric Tooth Synchrotech Drive

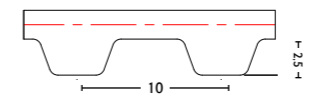
T5



ISO Code	Number of teeth	Pitch Length Lp (mm)
T5-200	40	200
T5-205	41	205
T5-210	42	210
T5-215	43	215
T5-220	44	220
T5-225	45	225
T5-245	49	245
T5-260	52	260
T5-270	54	270
T5-275	55	275
T5-280	56	280
T5-300	60	300
T5-305	61	305
T5-330	66	330
T5-340	68	340
T5-350	70	350
T5-355	71	355
T5-375	75	375
T5-390	78	390
T5-395	79	395
T5-400	80	400
T5-410	82	410
T5-420	84	420
T5-425	85	425
T5-440	88	440
T5-450	90	450
T5-460	92	460
T5-475	95	475
T5-480	96	480
T5-500	100	500
T5-510	102	510
T5-515	103	515
T5-525	105	525
T5-545	109	545
T5-550	110	550
T5-560	112	560
T5-575	115	575
T5-590	118	590
T5-600	120	600
T5-610	122	610
T5-620	124	620
T5-630	126	630

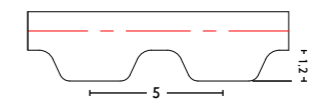
ISO Code	Number of teeth	Pitch Length Lp (mm)
T5-650	130	650
T5-675	135	675
T5-690	138	690
T5-700	140	700
T5-720	144	720
T5-725	145	725
T5-750	150	750
T5-780	156	780
T5-800	160	800
T5-815	163	815
T5-850	170	850
T5-885	177	885
T5-900	180	900
T5-990	198	990
T5-1100	220	1100

T10



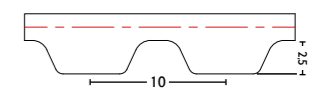
ISO Code	Number of teeth	Pitch Length Lp (mm)
T10-400	40	400
T10-420	42	420
T10-450	45	450
T10-480	48	480
T10-500	50	500
T10-530	53	530
T10-560	56	560
T10-600	60	600
T10-610	61	610
T10-630	63	630
T10-650	65	650
T10-680	68	680
T10-690	69	690
T10-700	70	700
T10-720	72	720
T10-730	73	730
T10-750	75	750
T10-780	78	780
T10-810	81	810
T10-840	84	840
T10-880	88	880
T10-900	90	900

AT5



ISO Code	Number of teeth	Pitch Length Lp (mm)
AT5-255	51	255
AT5-275	55	275
AT5-280	56	280
AT5-300	60	300
AT5-330	66	330
AT5-340	68	340
AT5-375	75	375
AT5-390	78	390
AT5-420	84	420
AT5-450	90	450
AT5-460	92	460
AT5-480	96	480
AT5-500	100	500
AT5-525	105	525
AT5-545	109	545
AT5-600	120	600
AT5-610	122	610
AT5-620	124	620
AT5-630	126	630
AT5-650	130	650
AT5-670	134	670
AT5-690	138	690
AT5-720	144	720

AT10



ISO Code	Number of teeth	Pitch Length Lp (mm)
AT10-500	50	500
AT10-560	56	560
AT10-600	60	600
AT10-610	61	610
AT10-630	63	630
AT10-660	66	660
AT10-700	70	700
AT10-730	73	730
AT10-780	78	780
AT10-810	81	810
AT10-840	84	840
AT10-880	88	880
AT10-900	90	900
AT10-920	92	920
AT10-960	96	960
AT10-1000	100	1000
AT10-1010	101	1010
AT10-1100	110	1100
AT10-1150	115	1150
AT10-1200	120	1200
AT10-1300	130	1300
AT10-1400	140	1400
AT10-1500	150	1500
AT10-1600	160	1600
AT10-1700	170	1700

3. PU Timing Belts

3.2 ORION PU Moulded Timing Belt Sleeve Metric Tooth 3.2.1 Double Sided Sychrotech Drive

ORION Sychrotech Drive DT10-990 Steel DO NOT CRIMP xx xx

Applications

- > Match timing belt pulley according to ISO 17396
- > Suitable for backside idler application.
- > Widely used in various working conditions.
- > It is suitable for precise power transmission applications.
- > Specially designed for alternative flexibility in the drive direction.so are well suited for opposite directions drive.

Properties

- > Good oil resistance
- > Maintenance-free
- > High flexibility
- > Temperature range from -30°C up to +80°C
- > Have good abrasion,aging,UV and ozone resistant

Material

- > Moulded high quality 88 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

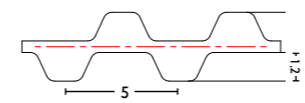
Standards

- > ISO 17396 /DIN 7721 PART 1&2

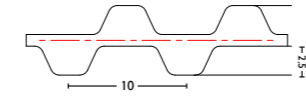
3. PU Timing Belts

3.2 ORION PU Moulded Timing Belt Sleeve Metric Tooth 3.2.1 Double Sided Sychrotech Drive

DT5



DT10

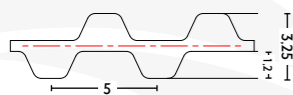


ISO Code	Number of teeth	Pitch Length Lp (mm)
DT5-410	82	410
DT5-460	92	460
DT5-515	103	515
DT5-525	105	525
DT5-560	112	560
DT5-600	120	600
DT5-620	124	620
DT5-685	137	685
DT5-700	140	700
DT5-750	150	750
DT5-815	163	815
DT5-840	168	840
DT5-1100	220	1100
DT5-1200	240	1200

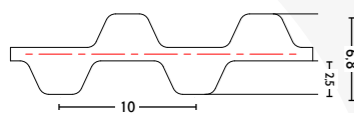
ISO Code	Number of teeth	Pitch Length Lp (mm)
DT10-500	50	500
DT10-530	53	530
DT10-630	63	630
DT10-660	66	660
DT10-700	70	700
DT10-720	72	720
DT10-800	80	800
DT10-850	85	850
DT10-900	90	900
DT10-960	96	960
DT10-1010	101	1010
DT10-1100	110	1100
DT10-1200	120	1200
DT10-1300	130	1300

Length Range (mm)	Section	
	DT5	DT10
From	410	500
To	1200	1300

DT5



DT10



3. PU Timing Belts

3.3 **ORION** PU Moulded Timing Belt Sleeve Curvilinear HTD Tooth **Synchrotech Drive**

ORION Synchrotech Drive HTD 8M-1000 Steel DO NOT CRIMP xx xx

Applications

- > Match timing belt pulley according to ISO 13050
- > Suitable for backside idler application
- > Widely used in various working conditions
- > It is suitable for precise power transmission applications.

Properties

- > Good oil resistance
- > Maintenance-free
- > High flexibility
- > Temperature range from -30°C up to +80°C
- > Have good abrasion, aging, UV and ozone resistant

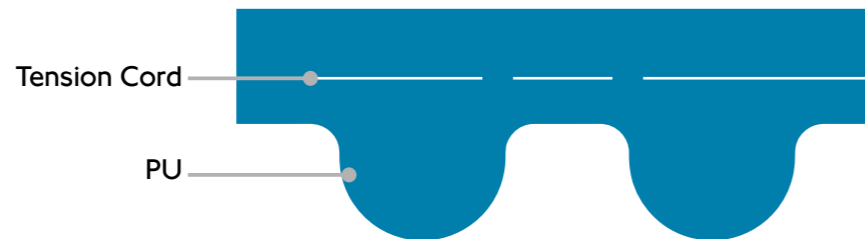
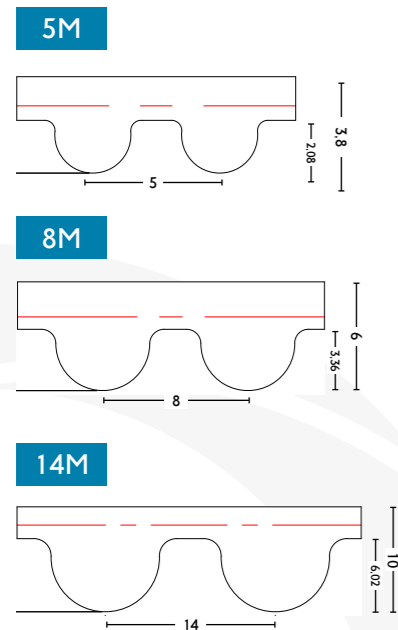
Material

- > Moulded high quality 88 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

- > ISO 13050 PART 1&2 / IP27 RMA-MPTA

Section	5M	8M	14M
Length Range (mm)	On Request	On Request	On Request



3. PU Timing Belts

3.3 **ORION** PU Moulded Timing Belt Sleeve Curvilinear STD Tooth **Synchrotech Drive**

3.3.1

ORION Synchrotech Drive STD S8M-1000 Steel DO NOT CRIMP xx xx

Applications

- > Match timing belt pulley according to ISO 13050
- > Suitable for backside idler application
- > Widely used in various working conditions
- > It is suitable for precise power transmission applications.

Properties

- > Good oil resistance
- > Maintenance-free
- > High flexibility
- > Temperature range from -30°C up to +80°C
- > Have good abrasion, aging, UV and ozone resistant

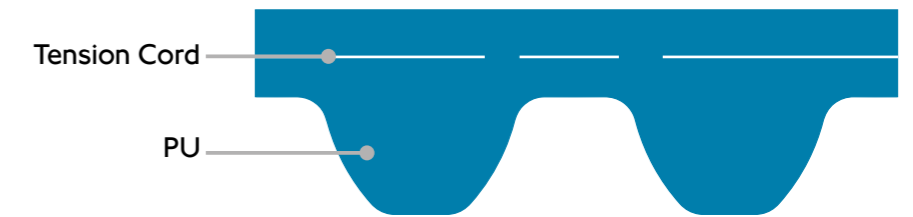
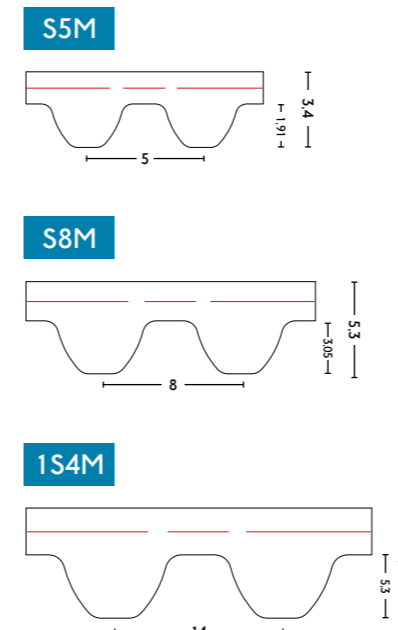
Material

- > Moulded high quality 88 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

- > ISO 13050 PART 1&2 / IP27 RMA-MPTA

Section	S5M	S8M	S14M
Length Range (mm)	On Request	On Request	On Request



3. PU Timing Belts

3.4 ORION PU Extruded Timing Belt Open Ended Linear Roll Imperial Tooth Sychrotech Linear/V Sychrotech Linear/V

ORION Sychrotech Linear	150 H Steel	DO NOT CRIMP	xx xx
ORION Sychrotech V	150 H Steel	DO NOT CRIMP	xx xx

Applications

- > Match timing belt pulley according to ISO 5296
- > Suitable for backside idler application
- > Widely used in various working conditions
- > Suitable for multi pulley system, linear reciprocating motion and precise transmission

Properties

- > Good oil resistance
- > Maintenance-free
- > Temperature range from -30°C up to +80°C
- > Good abrasion, aging, UV and ozone resistant

Material

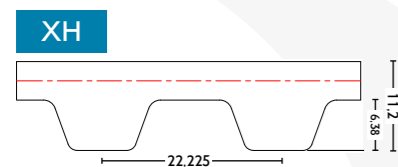
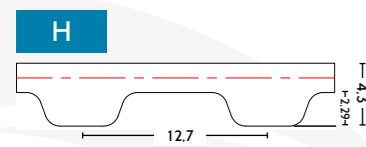
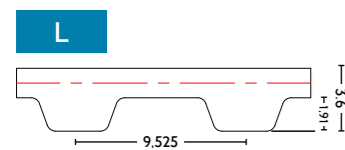
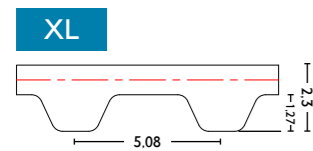
- > Extruded premium quality 92 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

- > DIN / ISO 5296 PART 1&2 / IP24 RMA-MPTA

Belt Lengths

- > Belts can be manufactured in any length required within the parameters in the table below
- > PLEASE CONTACT THE SALES DEPARTMENT FOR FURTHER DETAILS



Code	3.4			
Orion Name	ORION PU Extruded Timing Belt Open Ended Linear Roll Imperial Tooth Sychrotech Linear/V			
	Section			
	XL	L	H	XH
Width Range Max	100mm	100mm	100mm	100mm
Roll Length Range Max	100m	100m	100m	100m



3. PU Timing Belts

3.5 ORION PU Extruded Timing Belt Open Ended Linear Roll Metric Tooth Sychrotech Linear/V

ORION Sychrotech V	30-T10-2000 Steel	DO NOT CRIMP	xx xx
ORION Sychrotech Linear	30-T10 Steel	DO NOT CRIMP	xx xx

Applications

- > Match timing belt pulley according to ISO 17396
- > Suitable for backside idler application
- > Widely used in various working conditions
- > Suitable for multi pulley system, linear reciprocating motion and precise transmission

Properties

- > Good oil resistance
- > Maintenance-free
- > Temperature range from -30°C up to +80°C
- > Good abrasion, aging, UV and ozone resistant

Material

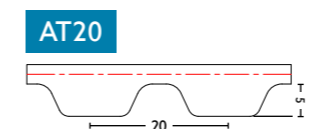
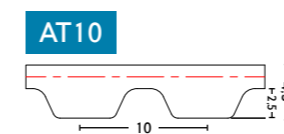
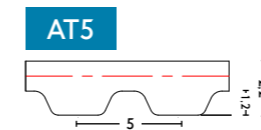
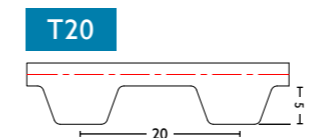
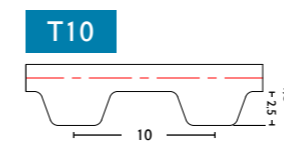
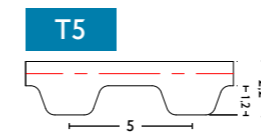
- > Extruded premium quality 92 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

- > DIN / ISO 17396/DIN 7721 PART 1 / IP24 RMA-MPTA

Belt Lengths

- > Belts can be manufactured in any length required within the parameters in the table below
- > PLEASE CONTACT THE SALES DEPARTMENT FOR FURTHER DETAILS



Code	3.5					
Orion Name	ORION PU Extruded Timing Belt Open Ended Linear Roll Metric Tooth Sychrotech					
	Section					
	T5	T10	T20	AT5	AT10	AT20
Width Range Max	100mm	100mm	100mm	100mm	100mm	100mm
Roll Length Range Max	100m	100m	100m	100m	100m	100m



3. PU Timing Belts

3.6 ORION PU Extruded Timing Belt Open Ended Linear Roll Curvilinear HTD Tooth **Synchrotech Linear/V**

ORION Synchrotech Linear	30-8M Steel	DO NOT CRIMP	xx xx
ORION Synchrotech V	30-8M-2400 Steel	DO NOT CRIMP	xx xx

Applications

- > Match timing belt pulley according to ISO 13050
- > Suitable for backside idler application
- > Widely used in various working conditions
- > Suitable for multi pulley system, linear reciprocating motion and precise transmission

Properties

- > Good oil resistance
- > Maintenance-free
- > Temperature range from -30°C up to +80°C
- > Good abrasion, aging, UV and ozone resistant

Material

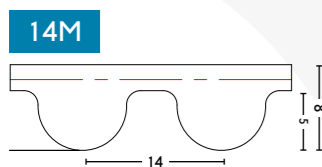
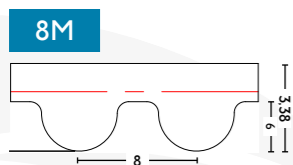
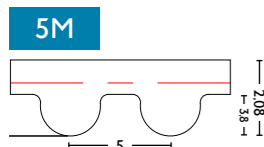
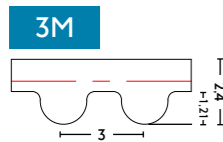
- > Extruded premium quality 92 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

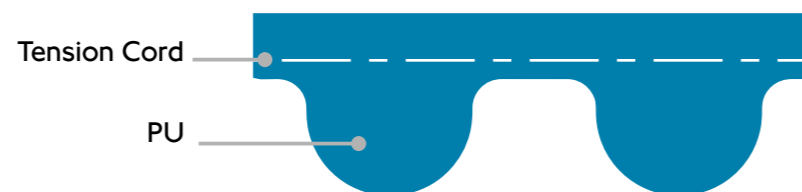
- > DIN 7721 / ISO 13050 / IP27 RMA-MPTA

Belt Lengths

- > Belts can be manufactured in any length required within the parameters in the table below
- > PLEASE CONTACT THE SALES DEPARTMENT FOR FURTHER DETAILS



Code	3.6			
Orion Name	ORION PU Extruded Timing Belt Open Ended Linear Roll Curvilinear HTD Tooth Synchrotech Linear/V			
	Section			
	3M	5M	8M	10M
Width Range Max	100mm	100mm	100mm	100mm
Roll Length Range Max	100m	100m	100m	100m



3. PU Timing Belts

3.7 ORION PU Extruded Timing Belt Open Ended Linear Roll Curvilinear STD Tooth **Synchrotech Linear/V**

ORION Synchrotech Linear	30-58M Steel	DO NOT CRIMP	xx xx
ORION Synchrotech V	30-58M-2400 Steel	DO NOT CRIMP	xx xx

Applications

- > Match timing belt pulley according to ISO 13050
- > Suitable for backside idler application
- > Widely used in various working conditions
- > Suitable for multi pulley system, linear reciprocating motion and precise transmission.
- > Lower drive noise especially applied in high speed drive system

Properties

- > Good oil resistance
- > Maintenance-free
- > Temperature range from -30°C up to +80°C
- > Good abrasion, aging, UV and ozone resistant

Material

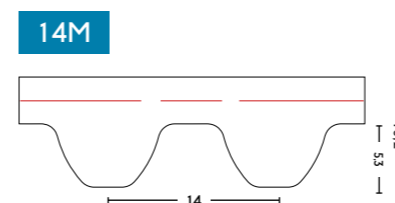
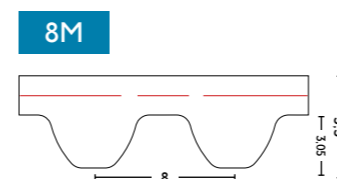
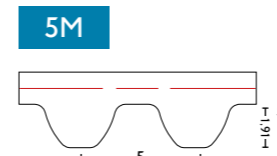
- > Extruded premium quality 92 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

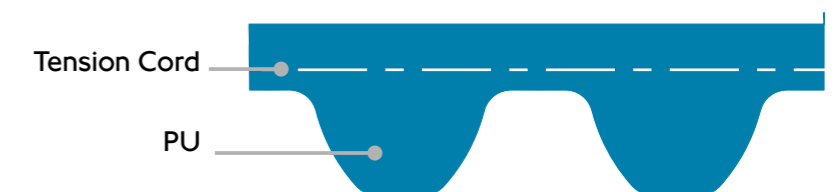
- > DIN 7721 / ISO 13050 / IP27 RMA-MPTA

Belt Lengths

- > Belts can be manufactured in any length required within the parameters in the table below
- > PLEASE CONTACT THE SALES DEPARTMENT FOR FURTHER DETAILS



Code	3.7			
Orion Name	ORION PU Extruded Timing Belt Open Ended Linear Roll Curvilinear STD Tooth Synchrotech Linear/V			
	Section			
	3M	5M	8M	10M
Width Range Max	100mm	100mm	100mm	100mm
Roll Length Range Max	100m	100m	100m	100m



3. PU Timing Belts

3.8 ORION PU Extruded Open Ended Linear Roll Flat Belt Synchronotech Flat

ORION Synchronotech Flat 50F2.0 Steel DO NOT CRIMP xx xx

Applications

- > Widely used in various working conditions, especially fitness equipment, scissor lift, winch lift, gantry washing machines for car
- > Suitable for multi pulleys transmission

Properties

- > Good oil resistance
- > High flexibility
- > Temperature range from -15°C up to +50°C
- > Have good abrasion, aging, UV and ozone resistant

Material

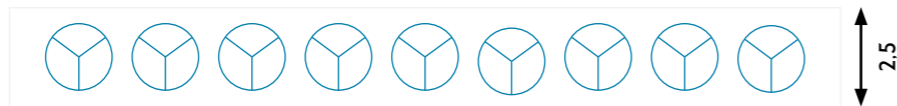
- > Thermoplastic Polyurethane body 92 Shore A
- > Steel tension cord

Section	F1.5	F2.0	F3.0
Length Range (mm)	On Request	On Request	On Request

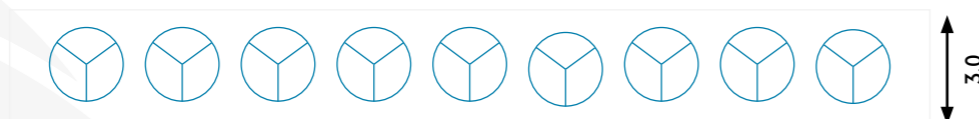
F1.5



F2.0



F3.0



3. PU Timing Belts

3.9 ORION PU Extruded Timing Belt Endless Imperial Tooth Profile Synchronotech Flex

WHICH IS THIS THE CORRECT LABEL?

ORION Synchronotech Flex 150 H 1400 Steel DO NOT CRIMP xx xx

ORION Synchronotech Flat 1000-L-200 Steel DO NOT CRIMP xx xx

Applications

- > Match timing belt pulley according to ISO 5296
- > Suitable for backside idler application
- > Widely used in various working conditions, especially for long centre distance application.
- > It is suitable for precise power transmission applications.

Properties

- > Good oil resistance
- > Maintenance-free
- > High flexibility
- > Temperature range from -30°C up to +80°C
- > Have good abrasion, aging, UV and ozone resistant

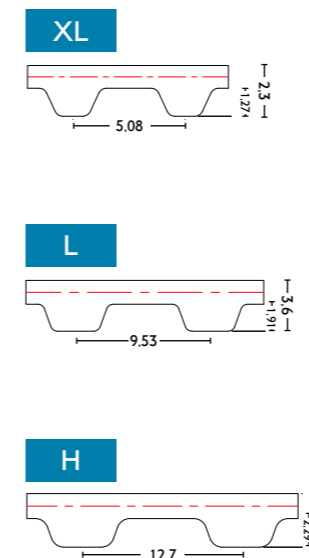
Material

- > Moulded high quality 92 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord
- > Standards
- > DIN / ISO 5296 PART 1&2 / IP24 RMA-MPTA

Belt Lengths

- > Belts can be manufactured in any length required within the parameters in the table below
- > PLEASE CONTACT THE SALES DEPARTMENT FOR FURTHER DETAILS

Code	3.9		
Orion Name	ORION PU Extruded Timing Belt endless Imperial Tooth Profile Synchronotech Flex		
	Section		
	XL	L	H
Width Range Max	100mm	100mm	100mm
Length Range Max	2400mm - 9600mm	2400mm - 9600mm	2400mm - 9600mm



3. PU Timing Belts

3.10 **ORION** PU Extruded Timing Belt Endless Metric Tooth Profile **Synchrotech Flex**

ORION Synchrotech Flex 35 T10 2800 Steel DO NOT CRIMP xx xx

Applications

- > Match timing belt pulley according to ISO 17396
- > Suitable for backside idler application
- > Widely used in various working conditions, especially for long centre distance application.
- > It is suitable for precise power transmission applications.

Properties

- > Good oil resistance
- > Maintenance-free
- > High flexibility
- > Temperature range from -30°C up to +80°C
- > Have good abrasion, aging, UV and ozone resistant

Material

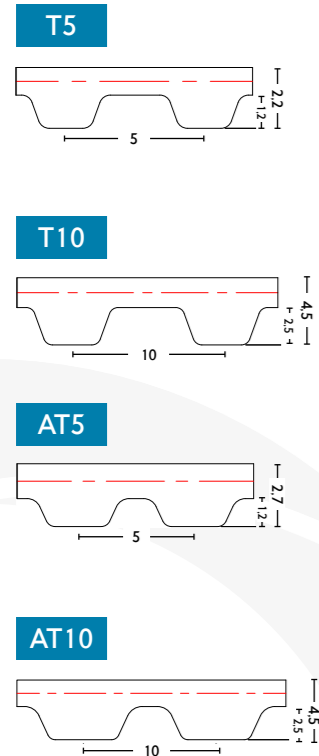
- > Moulded high quality 92 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

- > ISO 17396 / DIN 7721 PART 1&2

Belt Lengths

- > Belts can be manufactured in any length required within the parameters in the table below
- > PLEASE CONTACT THE SALES DEPARTMENT FOR FURTHER DETAILS



Code	3.10			
Orion Name	ORION PU Extruded Timing Belt endless Metric Tooth Profile Synchrotech Flex			
	Section			
	T5	T10	AT5	AT10
Width Range Max	100mm	100mm	100mm	100mm
Length Range Max	2400mm - 9600mm	2400mm - 9600mm	2400mm - 9600mm	2400mm - 9600mm



3. PU Timing Belts

3.11 **ORION** PU Extruded Timing Belt Endless Curvilinear HTD Tooth Profile **Synchrotech Flex**

WHICH IS THIS THE CORRECT LABEL ?

ORION Synchrotech Flex 30 8M 2400 Steel DO NOT CRIMP xx xx

ORION Synchrotech Flex HTD 30-8M-2500 Steel DO NOT CRIMP xx xx

Applications

- > Match timing belt pulley according to ISO 13050
- > Suitable for backside idler application
- > Widely used in various working conditions, especially for long centre distance application.
- > It is suitable for precise power transmission applications.

Properties

- > Good oil resistance
- > Maintenance-free
- > High flexibility
- > Temperature range from -30°C up to +80°C
- > Have good abrasion, aging, UV and ozone resistant

Material

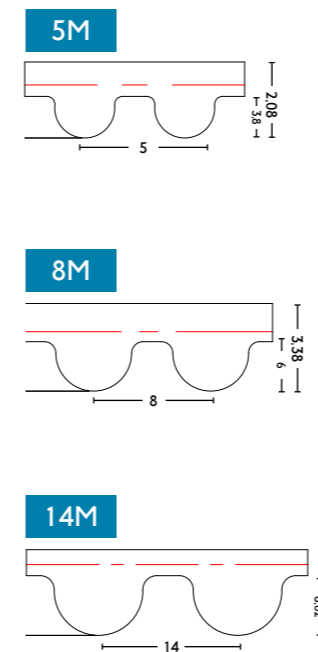
- > Moulded high quality 92 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

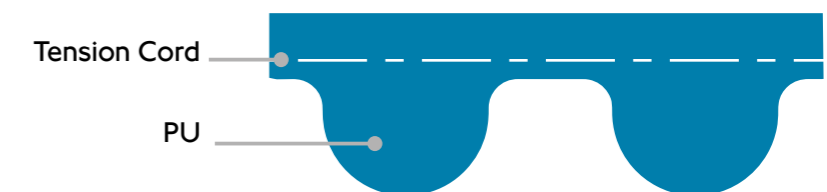
- > ISO 17396 / DIN 7721 PART 1&2

Belt Lengths

- > Belts can be manufactured in any length required within the parameters in the table below
- > PLEASE CONTACT THE SALES DEPARTMENT FOR FURTHER DETAILS



Code	3.11		
Orion Name	Orion PU Extruded Timing Belt Endless Curvilinear HTD Tooth Profile Synchrotech Flex		
	Section		
	5M	8M	14M
Width Range Max	100mm	100mm	100mm
Length Range Max	2400mm - 9600mm	2400mm - 9600mm	2400mm - 9600mm



3. PU Timing Belts

3.12 ORION PU Extruded Timing Belt Endless Curvilinear STD Tooth Profile **Synchrotech Flex**

WHICH IS THIS THE CORRECT LABEL?

ORION Synchrotech Flex 30 S8M 2400 Steel DO NOT CRIMP xx xx

ORION Synchrotech Flex STD 30-8M-2500 Steel DO NOT CRIMP xx xx

Applications

- > Match timing belt pulley according to ISO 13050
- > Suitable for backside idler application
- > Widely used in various working conditions, especially for long centre distance application.
- > It is suitable for precise power transmission applications.

Properties

- > Good oil resistance
- > Maintenance-free
- > High flexibility
- > Temperature range from -30°C up to +80°C
- > Have good abrasion, aging, UV and ozone resistant

Material

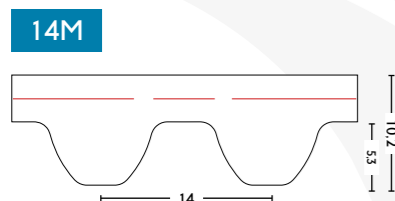
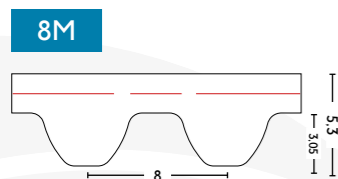
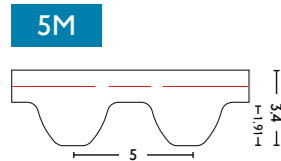
- > Moulded high quality 92 Shore A
- > Thermoplastic Polyurethane body
- > Steel tension cord

Standards

- > ISO 13050 PART 1&2 / IP27 RMA-MPTA

Belt Lengths

- > Belts can be manufactured in any length required within the parameters in the table below
- > PLEASE CONTACT THE SALES DEPARTMENT FOR FURTHER DETAILS



Code	3.12		
Orion Name	ORION PU Extruded Timing Belt endless Curvilinear STD Tooth profile-Synchrotech Flex		
	Section		
	5M	8M	14M
Width Range Max	100mm	100mm	100mm
Length Range Max	2400mm - 9600mm	2400mm - 9600mm	2400mm - 9600mm

