The Engineer's Tool Kit

INDEPENDENT AUTHORISED iada DISTRIBUTOR ALLIANCE

BDL INCORPORATING FLUID POWER TECHNOLOGY

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Established in 1996, Bearings and Drives has grown to be a leader in the supply and distribution of MRO products from the world's leading manufacturers including: Bearings, Power Transmission, Industrial Gearboxes, Motors, Tools & Consumables. Drawing on our experience of customer requirements products and services have been developed for all types of industry including Food, Paper, Recycling, Distribution, Quarrying and Plastics.

Due to the unpredictable nature of MRO spares demand, we offer single source supply which includes MANAGED INVENTORY SERVICES, which would, by streaming your ordering process, REDUCE DOWNTIME and IMPROVE PRODUCTION EFFICIENCY therefore creating considerable COST SAVINGS.

Our REPAIR SERVICES cover Motors, Gearboxes & Pumps. Available 24/7 our team of highly skillful engineers is on hand to deliver advise and engineering solutions. We also offer a free collection and delivery service.

FLUID POWER
In 2009, and with many industries relying on Fluid Power in their manufacturing processes, our sister company FLUID POWER TECHNOLOGY was established and it has grown to not only carry large stocks of, FRL's, Solenoid Valves, Mechanical Valves, Metal & Plastic Fittings but also, due to the indepth knowledge and expertise of our staff, we are able to offer Product Interchange, System Advice and Bespoke Solutions to specific requirements, these being our Unique Selling Points, set us apart from the competition.

However large or small the requirement, however simple or complex the problem, both BEARINGS & DRIVES and FLUID POWER TECHNOLOGY prides themselves on meeting your requirement with on time, on budget solution and supply.

AAC ISO 9001 Registered

UKAS MANAGEMENT SYSTEMS 8190

Emergency Call Out Service 24 hours a day 7 days a week 365 days a year

OPTIBELT
POWER TRANSMISSION

Optibelt have been manufacturing transmission belts in Germany since 1948 and today are market leaders in belt technology. Our belts are made in our own European factories using in-house developed processes and advanced materials. The result is a range of belts which outperform other brands and deliver substantial cost savings and productivity improvements to our customers.

OPTIBELT V-BELT PRODUCT RANGE

25,000 hours design life – That's ≈ 3 years running 24/7 or over 6 years running 12h/6d/wk.
Optibelt V-belts are designed to outlast other brands. While 25,000 hours is a theoretical value assuming correct fitting and running conditions, it is a realistic and useful benchmark. Belt life significantly less than this indicates that improvements can be achieved.
Contact Optibelt via your local IADA branch for expert advice.

optibelt SK – Premium quality, standard wrapped construction
High quality materials and advanced production processes result in a high performance, low stretch belt with extremely consistent properties allowing predictable and extended maintenance schedules with outstanding reliability and efficiency.

- **S=C Plus** precise length tolerance exceeds ISO set requirements so belts can be combined in sets without matching.

optibelt RED POWER 3 – Maintenance-free, Extra High Power
Special polyester tension cords combined with layers of transversely aligned fibre filled rubber give our **optibelt Red Power 3** belts truly maintenance-free properties. No re-tensioning is required throughout the life of the belt.

- **S=C Plus** precise length tolerance as with **optibelt SK**
- Up to 50% more power than standard **optibelt SK** belts – higher power or fewer belts.
- Direct, drop-in replacement for standard belts – no disadvantages or limitations.

optibelt SUPER X-POWER – High performance Cogged Raw Edge belt
Our moulded cogged raw edge belts can transmit extremely high powers and are suitable for use with small pulley diameters on account of their flexible, cogged design making them particularly well suited for applications where space is limited.

- **M=S** process means that every belt is individually ground to precise length tolerance for use in sets without matching and smooth running.
- Extremely low stretch / Low maintenance

optibelt VB – Premium quality, wrapped classical section V-belt
Classical profile V-belts to ISO 4184 / DIN 2215

- **S=C Plus** precise length tolerance exceeds ISO set requirements so belts can be combined in sets without matching.

	Temperature Range °C	Static Conductive to ISO 1813	Oil Resistance	Max. Belt Speed m/s	Profiles
optibelt SK	-40 / +70	Yes	Good	≥ 42	SPZ, SPA, SPB, SPC
optibelt RED POWER 3	-30 / +100	Yes	Good	≥ 55	SPZ, SPA, SPB, SPC
optibelt SUPER X-POWER	-30 / +90	Yes	Good	≥ 55	XPZ, XPA, XPB, XPC
optibelt VB	-40 / +70	Yes	Limited	≥ 30	5, 6, 8, Z, A, B, 20, C, 25, D, E

Our standard range of V-belts listed above are generally available from UK stock.
Optibelt also manufacture a wide range of belts with special and high performance constructions for applications which require properties beyond those offered by standard belts.

V-BELT TECHNICAL DATA

Power ratings

SPZ / XPZ

	Speed (rpm)	Datum diameter of small pulley (mm)						
		56	63	85	100	125	160	200
SK	700	-	0.5	1	1.33	1.88	2.63	3.47
	950	-	0.63	1.29	1.74	2.46	3.45	4.54
	1450	-	0.87	1.84	2.49	3.54	4.96	6.51
	2850	-	1.38	3.13	4.27	6.07	8.34	10.55
RP3	700	-	0.72	1.37	1.8	2.5	3.47	4.56
	950	-	0.92	1.78	2.35	3.29	4.56	5.99
	1450	-	1.3	2.56	3.4	4.75	6.6	8.63
	2850	-	2.16	4.44	5.93	8.28	11.29	14.26
S X-P	700	0.72	0.92	1.53	2.26	2.61	3.51	4.53
	950	0.92	1.18	1.98	2.94	3.39	4.58	5.9
	1450	1.27	1.65	2.83	4.22	4.87	6.58	8.44
	2850	2.07	2.76	4.86	7.3	8.42	11.26	14.17

SPA / XPA

	Speed (rpm)	Datum diameter of small pulley (mm)						
		71	90	100	125	160	200	250
SK	700	-	1.17	1.55	2.47	3.73	5.14	6.85
	950	-	1.49	1.98	3.2	4.86	6.7	8.92
	1450	-	2.04	2.76	4.53	6.92	9.52	12.58
	2850	-	3.14	4.4	7.43	11.25	14.97	18.43
RP3	700	-	1.61	2.08	3.24	4.84	6.64	8.82
	950	-	2.06	2.69	4.22	6.34	8.69	11.56
	1450	-	2.88	3.79	6.05	9.13	12.52	16.57
	2850	-	4.69	6.35	10.36	15.6	21.02	26.82
S X-P	700	1.12	1.78	2.48	3.63	5.22	7	9.18
	950	1.43	2.31	3.24	4.77	6.87	9.22	12.08
	1450	2.01	3.31	4.68	6.93	10	13.39	17.46
	2850	3.31	5.7	8.2	12.21	17.49	22.98	28.88

SPB / XPB

	Speed (rpm)	Datum diameter of small pulley (mm)						
		112	140	180	224	280	315	400
SK	700	-	3.46	5.77	8.26	11.33	13.21	17.59
	950	-	4.42	7.46	10.69	14.66	17.04	22.5
	1450	-	6.09	10.44	14.96	20.3	23.36	29.83
	2850	-	9.07	15.71	21.57	26.4	27.68	
RP3	700	-	4.82	7.8	11.02	15.02	17.48	23.33
	950	-	6.23	10.18	14.41	19.66	22.86	30.38
	1450	-	8.8	14.54	20.65	28.09	32.54	42.65
	2850	-	14.53	24.35	34.12	44.76	50.24	
S X-P	700	3.32	5.36	8.26	11.4	15.34	17.77	23.56
	950	4.38	7.12	10.98	15.16	20.36	23.54	31.02
	1450	6.41	10.49	16.18	22.25	29.65	34.07	44.02
	2850	11.36	18.67	28.4	37.94	47.97	52.8	

SPC / XPC

	Speed (rpm)	Datum diameter of small pulley (mm)						
		112	140	180	224	280	315	400
SK	700	-	10.46	16.13	19.58	27.68	36.64	47.28
	950	-	13.27	20.58	24.97	35.05	45.7	57.27
	1450	-	17.79	27.64	33.3	45.25	55.51	61.37
	2850	-	20.63	29.58	31.96	Belt speed ≥ 42m/s		
RP3	700	-	13.31	20.38	24.71	15.02	46.63	61.01
	950	-	17.08	26.33	31.97	19.66	59.86	77.33
	1450	-	23.68	36.76	44.57	28.09	80.51	99.23
	2850	-	34.84	53.33	62.76	Belt speed ≥ 42m/s		
S X-P	700	10.79	15.29	20.94	24.43	32.74	42.18	53.82
	950	14.4	20.39	27.86	32.42	43.16	55.01	68.91
	1450	21.27	29.98	40.6	46.91	61.06	75.11	88.17
	2850	37.09	50.58	64.43	70.83	Belt speed ≥ 42m/s		

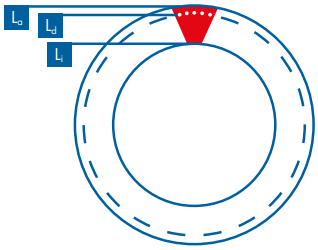
Note: Power ratings are for rough guidance only. Service and other design factors should be taken into consideration. Consult Optibelt technical catalogue or Drive design software for more info.

SERVICE FACTORS

Type of machine driver >	„Soft start" motors with starting torque ≤ 1.8* nominal. Engines with > 4 cylinders			Motors with hard / high torque start > 1.8* nominal torque. Engines with <4 cylinders.		
Type of Application	Daily Operating Hours			Daily Operating Hours		
	< 10	10-16	> 16	< 10	10-16	> 16
Light Duty	1.1	1.1	1.2	1.1	1.2	1.3
Medium Duty	1.1	1.2	1.3	1.2	1.3	1.4
Heavy Duty	1.2	1.3	1.4	1.4	1.5	1.6
Very Heavy Duty	1.3	1.4	1.5	1.5	1.6	1.8

BELT LENGTH CONVERSION FACTORS

Profile	$L_d \rightarrow L_i$	$L_d \rightarrow L_a$	Profile	$L_d \rightarrow L_i$	$L_d \rightarrow L_a$
SPZ / XPZ	- 38	+ 13	Z / ZX	- 22	+ 16
SPA / XPA	- 45	+ 18	A / AX	- 30	+ 20
SPB / XPB	- 60	+ 22	B / BX	- 40	+ 29
SPC/ XPC	- 83	+ 30	C / CX	- 58	+ 30



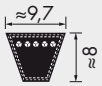
OPTIBELT WEDGE BELTS

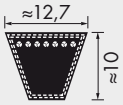
optibelt RED POWER 3

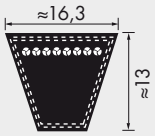
Maintenance Free
Up to 50% more power
Up to 97% efficient
Precision length tolerance
Available from
SPZ 1202 – SPC 10000

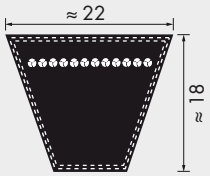
optibelt SK

Premium quality as standard
Precise length tolerance
Up to 97% efficient



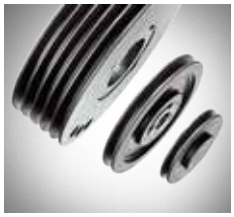


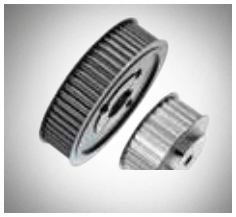




SPZ			SPA			SPB		SPC
Min. Rec. Pulley Ø = 63 mm			Min. Rec. Pulley Ø = 90 mm			Min. Rec. Pulley Ø = 140 mm		Min. Rec. Pulley Ø = 224 mm
487	1112	1837	732	1482	2360	1250	4250	2000
512	1120	1850	757	1500	2382	1320	4300	2120
562	1137	1862	782	1507	2432	1400	4500	2240
587	1162	1887	800	1532	2482	1450	4560	2360
612	1180	1900	807	1557	2500	1500	4750	2500
630	1187	1937	832	1582	2532	1600	4820	2650
637	1202	1987	850	1600	2582	1700	5000	2800
662	1212	2000	857	1607	2607	1750	5070	3000
670	1237	2037	882	1632	2632	1800	5300	3150
687	1250	2120	900	1657	2650	1850	5600	3350
710	1262	2137	907	1682	2682	1900	6000	3550
722	1287	2150	932	1700	2732	2000	6300	3750
737	1312	2187	950	1707	2782	2020	6700	4000
750	1320	2240	957	1732	2800	2060	7100	4250
762	1337	2287	982	1757	2832	2120	7500	4500
772	1347	2360	1000	1782	2847	2150	8000	4750
787	1362	2500	1007	1800	2882	2180		5000
800	1387	2540	1032	1807	2932	2240		5300
812	1400	2650	1060	1832	2982	2280		5600
825	1412	2690	1082	1857	3000	2360		6000
837	1437	2800	1107	1882	3032	2391		6300
850	1462	2840	1120	1900	3082	2400		6700
862	1487	3000	1132	1907	3150	2500		7100
875	1500	3150	1157	1932	3182	2650		7500
887	1512	3350	1180	1957	3282	2680		8000
900	1537	3550	1207	1982	3350	2800		8500
912	1562		1232	2000	3382	2840		9000
925	1587		1250	2032	3550	2850		9500
937	1600		1257	2057	3750	2900		10000
950	1612		1272	2082	4000	3000		10600
962	1637		1282	2120	4250	3150		11200
987	1650		1307	2132	4500	3250		12500
1000	1662		1320	2182		3350		
1012	1687		1332	2207		3450		
1024	1700		1357	2232		3550		
1037	1737		1382	2240		3650		
1047	1762		1400	2282		3750		
1060	1787		1407	2300		3800		
1077	1800		1432	2307		4000		
1087	1812		1457	2332		4050		

OPTIBELT PULLEYS AVAILABLE TO SUIT

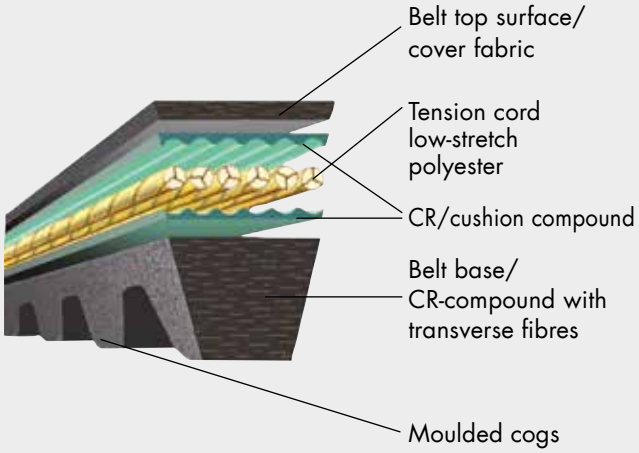




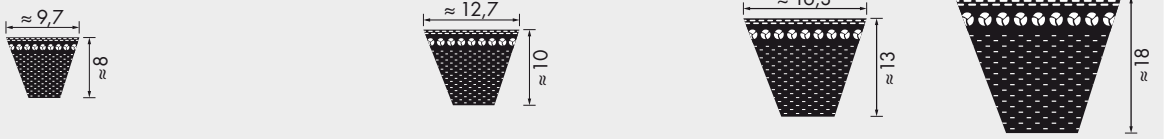
Intermediate and longer lengths available
Also available in American standard 3V/5V/8V

OPTIBELT RAW EDGE COGGED BELTS

optibelt SUPER X-POWER M=S



- Ideal for very high power drives
- Cogging allows very small pulley diameters
- Individually ground flanks for precise length tolerance and smooth running.
- Very low stretch / low maintenance
- High temperature to 90°
- Specify SUPER E-POWER for extreme temperatures (–50 °C to +120 °C)

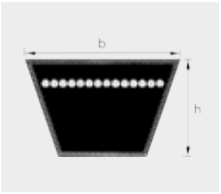


XPZ			XPA			XPB	XPC
Min. Rec. Pulley Ø = 56 mm			Min. Rec. Pulley Ø = 71 mm			Min. Rec. Pulley Ø = 112 mm	Min. Rec. Pulley Ø = 180 mm
587	1012	1562	707	1272	1882	1250	2000
612	1037	1587	732	1282	1900	1320	2120
630	1060	1600	757	1307	1932	1400	2240
637	1077	1612	782	1320	1950	1500	2360
662	1087	1662	800	1332	1982	1600	2500
670	1112	1700	807	1357	2000	1700	2650
687	1120	1750	832	1382	2120	1750	2800
710	1137	1762	850	1400	2240	1800	3000
730	1162	1800	857	1432	2360	1850	3150
737	1180	1850	882	1450	2500	1900	3350
750	1187	1900	900	1457	2650	2000	3550
762	1202	1950	907	1482	2800	2020	
772	1212	2000	932	1500	3000	2120	
787	1237	2120	950	1507	3150	2150	
800	1250	2150	957	1532	3350	2240	
812	1262	2240	982	1557	3550	2280	
825	1287	2360	1000	1582		2360	
837	1312	2500	1007	1600		2400	
850	1320	2540	1030	1607		2500	
862	1337	2650	1060	1632		2650	
875	1362	2690	1082	1650		2680	
887	1387	2800	1107	1682		2800	
900	1400	2840	1120	1700		2840	
912	1412	3000	1132	1732		3000	
925	1437	3150	1157	1750		3150	
937	1462	3350	1180	1757		3350	
950	1487	3550	1207	1782		3550	
962	1500		1232	1800			
987	1512		1250	1832			
1000	1537		1257	1850			

Also available in American standard 3VX, 5VX
optibelt SUPER TX Classical profiles available ZX, AX, BX, CX

OPTIBELT CLASSICAL V-BELTS

optibelt VB



Profile	Z	A	B	C
b [mm]	10	13	17	22
h [mm]	6	8	11	14

Premium quality as standard for reliability and long life.
Precision length tolerance means no matching required – *within indicated S=C Plus range.

Z/10									A/13								
Min. Rec. Pulley Ø = 50 mm									Min. Rec. Pulley Ø = 71 mm								
Belt No.	Datum length L_d	Inside length L_i	Belt No.	Datum length L_d	Inside length L_i	Belt No.	Datum length L_d	Inside length L_i	Belt No.	Datum length L_d	Inside length L_i	Belt No.	Datum length L_d	Inside length L_i	Belt No.	Datum length L_d	Inside length L_i
Z 11	312	290	Z 38½	997	975	Z 68	1747	1725	A 16	437	407	A 46½	1210	1180	A 87	2240	2210
Z 12½	337	315	Z 39	1022	1000	Z 69	1772	1750	A 18	487	457	A 47	1230	1200	A 88	2270	2240
Z 14	397	375	Z 40	1038	1016	Z 70	1797	1775	A 19	510	480	A 47½	1245	1215	A 89	2291	2261
Z 15	422	400	Z 40½	1052	1030	Z 71	1822	1800	A 20	538	508	A 48	1250	1220	A 90	2316	2286
Z 16	447	425	Z 41	1063	1041	Z 73	1872	1850	A 21	565	535	A 48½	1255	1225	A 91	2341	2311
Z 17	472	450	Z 41½	1072	1050	Z 75	1922	1900	A 22	590	560	A 49	1280	1250	A 92	2367	2337
Z 18	497	475	Z 42	1082	1060	Z 78	1997	1975	A 23	605	575	A 50	1300	1270	A 93	2390	2360
Z 19	502	480	Z 43	1102	1080	Z 79	2022	2000	A 23½	630	600	A 51	1330	1300	A 94	2418	2388
Z 19¾	522	500	Z 43¼	1122	1100	Z 83½	2142	2120	A 24	640	610	A 52	1350	1320	A 95	2443	2413
Z 20	537	515	Z 44	1142	1120	Z 88	2262	2240	A 25	660	630	A 53	1380	1350	A 96	2468	2438
Z 20½	547	525	Z 45	1172	1150	Z 93	2382	2360	A 26	680	650	A 54	1405	1375	A 97	2494	2464
Z 21	552	530	Z 46	1187	1165	Z 98	2522	2500	A 26½	700	670	A 55	1430	1400	A 98	2530	2500
Z 21¼	562	540	Z 46½	1202	1180				A 27	716	686	A 56	1452	1422	A 100	2570	2540
Z 22	582	560	Z 47	1216	1194				A 27½	730	700	A 57	1480	1450	A 102	2621	2591
Z 23	597	575	Z 48	1237	1215				A 28	740	710	A 58	1505	1475	A 104	2680	2650
Z 24	622	600	Z 48½	1247	1225				A 29	760	730	A 59	1530	1500	A 105	2697	2667
Z 25	652	630	Z 49	1272	1250				A 29½	780	750	A 60	1555	1525	A 107	2755	2725
Z 26	672	650	Z 50	1292	1270				A 30	797	767	A 61	1580	1550	A 108	2773	2743
Z 27	692	670	Z 51	1317	1295				A 31	805	775	A 62	1605	1575	A 110	2830	2800
Z 27½	722	700	Z 52	1342	1320				A 31½	830	800	A 63	1630	1600	A 112	2875	2845
Z 28	732	710	Z 53	1368	1346				A 32	843	813	A 64	1655	1625	A 114	2926	2896
Z 28½	747	725	Z 54	1393	1371				A 32½	855	825	A 65	1680	1650	A 116	2976	2946
Z 29	752	730	Z 55	1422	1400				A 33	871	841	A 66	1706	1676	A 118	3030	3000
Z 29½	772	750	Z 56	1444	1422				A 34	880	850	A 67	1730	1700	A 120	3078	3048
Z 30	787	765	Z 57	1472	1450				A 34½	905	875	A 68	1755	1725	A 124	3180	3150
Z 31	797	775	Z 58	1497	1475				A 35	919	889	A 69	1780	1750	A 128	3280	3250
Z 31½	822	800	Z 59	1522	1500				A 35½	930	900	A 70	1805	1775	A 132	3380	3350
Z 32	842	820	Z 60	1546	1524				A 36	944	914	A 71	1830	1800	A 136	3484	3454
Z 33	847	825	Z 61	1572	1550				A 37	955	925	A 72	1855	1825	A 140	3580	3550
Z 33½	872	850	Z 62	1597	1575				A 37½	980	950	A 73	1884	1854	A 144	3688	3658
Z 34	887	865	Z 63	1622	1600				A 38	995	965	A 74	1910	1880	A 148	3780	3750
Z 35	897	875	Z 64	1648	1626				A 38½	1005	975	A 75	1930	1900	A 158	4030	4000
Z 36	922	900	Z 65	1673	1651				A 39	1030	1000	A 76	1960	1930	A 167	4280	4250
Z 37	947	925	Z 66	1697	1675				A 40	1046	1016	A 77	1986	1956	A 187	4780	4750
Z 38	972	950	Z 67	1722	1700				A 40½	1060	1030	A 78	2010	1980	A 197	5030	5000
									A 41	1071	1041	A 79	2030	2000			
									A 41½	1080	1050	A 80	2062	2032			
									A 42	1090	1060	A 81	2090	2060			
									A 42½	1105	1075	A 82	2113	2083			
									A 43	1130	1100	A 83	2130	2100			
									A 43½	1135	1105	A 83½	2150	2120			
									A 44	1150	1120	A 84	2164	2134			
									A 45	1173	1143	A 84½	2180	2150			
									A 45½	1180	1150	A 85	2190	2160			
									A 46	1198	1168	A 86½	2230	2200			

Also available in sections 5/6/8/20/25/D/E – see Optibelt catalogue for details

OPTIBELT CLASSICAL V-BELTS

optibelt VB

B/17									C/22								
Min. Rec. Pulley Ø = 50 mm									Min. Rec. Pulley Ø = 71 mm								
Belt No.	Datum length L_d	Inside length L_i	Belt No.	Datum length L_d	Inside length L_i	Belt No.	Datum length L_d	Inside length L_i	Belt No.	Datum length L_d	Inside length L_i	Belt No.	Datum length L_d	Inside length L_i	Belt No.	Datum length L_d	Inside length L_i
B 23	610	570	B 60	1565	1525	B 107	2758	2718	C 43	1148	1090	C 98	2558	2500	C240	6154	6096
B 24	655	615	B 61	1590	1550	B 108	2790	2750	C 47	1258	1200	C 99	2583	2525	C248	6358	6300
B 25	670	630	B 62	1615	1575	B 110	2840	2800	C 48	1273	1215	C100	2598	2540	C264	6758	6700
B 26	690	650	B 63	1640	1600	B 112	2885	2845	C 49	1308	1250	C101	2618	2560	C270	6916	6858
B 26½	710	670	B 64	1665	1625	B 114	2940	2900	C 51	1353	1295	C102	2649	2591	C280	7158	7100
B 27	726	686	B 65	1690	1650	B 115	2961	2921	C 52	1378	1320	C104	2700	2642	C295	7558	7500
B 28	750	710	B 66	1716	1676	B 116	2990	2950	C 53	1408	1350	C105	2725	2667	C300	7678	7620
B 29	765	725	B 67	1740	1700	B 118	3040	3000	C 54	1433	1375	C106	2750	2692	C315	8058	8000
B 30	790	750	B 68	1765	1725	B 120	3088	3048	C 55	1458	1400	C108	2808	2750			
B 31	815	775	B 69	1790	1750	B 122	3139	3099	C 56	1483	1425	C110	2858	2800			
B 32	840	800	B 69½	1801	1761	B 124	3190	3150	C 57	1508	1450	C112	2903	2845			
B 32½	865	825	B 70	1815	1775	B 126	3240	3200	C 58	1533	1475	C114	2954	2896			
B 33	876	836	B 71	1840	1800	B 128	3290	3250	C 59	1558	1500	C115	2979	2921			
B 34	890	850	B 72	1869	1829	B 130	3342	3302	C 60	1582	1524	C116	3008	2950			
B 34½	915	875	B 73	1890	1850	B 132	3390	3350	C 61	1608	1550	C117	3023	2965			
B 35	929	889	B 74	1920	1880	B 134	3444	3404	C 62	1632	1574	C118	3058	3000			
B 36	940	900	B 75	1940	1900	B 136	3490	3450	C 63	1658	1600	C120	3106	3048			
B 37	965	925	B 76	1970	1930	B 138	3545	3505	C 65	1708	1650	C122	3157	3099			
B 37½	990	950	B 77	1990	1950	B 140	3590	3550	C 66	1734	1676	C124	3208	3150			
B 38	1005	965	B 78	2021	1981	B 142	3640	3600	C 67	1758	1700	C126	3258	3200			
B 38½	1015	975	B 79	2040	2000	B 144	3698	3658	C 68	1785	1727	C128	3308	3250			
B 39	1040	1000	B 80	2072	2032	B 146	3740	3700	C 69	1808	1750	C130	3360	3302			
B 40	1056	1016	B 81	2100	2060	B 148	3790	3750	C 70	1836	1778	C132	3408	3350			
B 40½	1070	1030	B 82	2123	2083	B 150	3850	3810	C 71	1858	1800	C134	3462	3404			
B 41	1080	1040	B 83	2140	2100	B 151	3890	3850	C 72	1887	1829	C136	3508	3450			
B 41½	1090	1050	B 83½	2160	2120	B 152	3901	3861	C 73	1912	1854	C138	3563	3505			
B 42	1100	1060	B 84	2174	2134	B 154	3952	3912	C 74	1938	1880	C140	3608	3550			
B 42½	1115	1075	B 85	2200	2160	B 155	3990	3950	C 75	1958	1900	C142	3665	3607			
B 43	1130	1090	B 86	2240	2200	B 156	4002	3962	C 76	1988	1930	C144	3716	3658			
B 43¼	1140	1100	B 87	2250	2210	B 158	4040	4000	C 77	2014	1956	C146	3758	3700			
B 44	1160	1120	B 88	2280	2240	B 160	4104	4064	C 78	2039	1981	C148	3808	3750			
B 45	1190	1150	B 89	2301	2261	B 162	4155	4115	C 79	2058	2000	C150	3868	3810			
B 45½	1203	1163	B 90	2326	2286	B 165	4240	4200	C 80	2090	2032	C158	4058	4000			
B 46	1215	1175	B 91	2340	2300	B 167	4290	4250	C 81	2118	2060	C162	4158	4100			
B 46½	1220	1180	B 92	2377	2337	B 173	4434	4394	C 82	2141	2083	C166	4274	4216			
B 47	1240	1200	B 93	2400	2360	B 175	4490	4450	C 83	2166	2108	C167	4308	4250			
B 48	1255	1215	B 94	2428	2388	B 177	4540	4500	C 83½	2178	2120	C168	4325	4267			
B 48½	1265	1225	B 94½	2440	2400	B 180	4612	4572	C 84	2192	2134	C170	4376	4318			
B 49	1290	1250	B 95	2453	2413	B 187	4790	4750	C 85	2217	2159	C173	4452	4394			
B 50	1315	1275	B 96	2478	2438	B 195	4993	4953	C 86	2242	2184	C175	4503	4445			
B 51	1340	1300	B 96½	2490	2450	B 197	5040	5000	C 87	2268	2210	C177	4558	4500			
B 52	1360	1320	B 97	2505	2465	B 208	5340	5300	C 88	2298	2240	C180	4630	4572			
B 52½	1375	1335	B 98	2540	2500	B 210	5374	5334	C 89	2319	2261	C187	4808	4750			
B 53	1390	1350	B 99	2555	2515	B 220	5640	5600	C 90	2344	2286	C190	4884	4826			
B 53½	1400	1360	B100	2580	2540	B 236	6040	6000	C 92	2395	2337	C195	5011	4953			
B 54	1412	1372	B101	2605	2565	B 240	6136	6096	C 93	2418	2360	C197	5058	5000			
B 55	1440	1400	B102	2640	2600	B 248	6340	6300	C 94	2446	2388	C208	5358	5300			
B 56	1462	1422	B103	2656	2616	B 264	6740	6700	C 95	2471	2413	C210	5392	5334			
B 57	1490	1450	B104	2690	2650	B 276	7040	7000	C 96	2496	2438	C220	5658	5600			
B 58	1513	1473	B105	2707	2667	B 280	7140	7100	C 96½	2508	2450	C225	5773	5715			
B 59	1540	1500	B106	2740	2700				C 97	2522	2464	C236	6058	6000			

OPTIBELT KRAFTBAND

Optibelt Kraftbands are precisely manufactured as complete units rather tyhan by fabricating from loose belts making them highly flexible and resistant to delamination. Kraftbands are particularly well suited to drives with very long centre distances, high shock loading or vibration or where the shafts are vertically orientated.

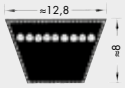
Available in most of the afore mentionedconstructions and sizes including:
Red Power 3 [SPB, SPC, 3V, 5V, 8V]
Standard wrapped Wedge [SPZ, SPA, SPB, SPC, 3V, 5V, 8V], Classical V [A,B,C,D,]
Raw Edge Cogged [3VX, 5VX]

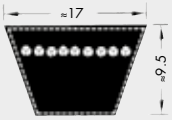
OPTIBELT LAWNMOWER BELTS

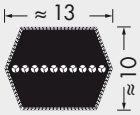
optibelt GREEN GARDEN

As one of Europe's leading suppliers of belts to mower original equipment manufacturers, Optibelt know what it takes to make a good mower belt. **optibelt GREEN GARDEN** belts are designed to give outstanding performance on the toughest mower applications.

- Standard 3L, 4L, 5L sections with aramid tension cords for resistance to high shock loading with tough, semi-friction outer cover to cope with clutching applications.
- Double sided AA/HAA belts with aramid cords

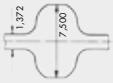






3L	4L		5L	AA / HAA
3L 160 / 406 La	4L 180 / 457 La	4L 620 / 1575 La	5L 350 / 889 La	HAA 71 /1856 Lb
3L 170 / 432 La	4L 200 / 508 La	4L 630 / 1600 La	5L 490 / 1245 La	HAA 72 /1882 Lb
3L 180 / 457 La	4L 210 / 533 La	4L 640 / 1626 La	5L 500 / 1270 La	HAA 73 /1907 Lb
3L 190 / 483 La	4L 220 / 559 La	4L 650 / 1651 La	5L 510 / 1295 La	HAA 74 / 1933 Lb
3L 200 / 508 La	4L 230 / 584 La	4L 660 / 1676 La	5L 520 / 1321 La	HAA 75 /1958 Lb
3L 210 / 533 La	4L 240 / 610 La	4L 670 / 1702 La	5L 530 / 1346 La	HAA 77 /2007 Lb
3L 220 / 559 La	4L 250 / 635 La	4L 680 / 1727 La	5L 540 / 1372 La	HAA 78 /2034 Lb
3L 230 / 584 La	4L 260 / 660 La	4L 690 / 1753 La	5L 550 / 1397 La	HAA 80 /2085 Lb
3L 240 / 610 La	4L 270 / 686 La	4L 700 / 1778 La	5L 560 / 1422 La	HAA 81 /2108 Lb
3L 250 / 635 La	4L 280 / 711 La	4L 710 / 1803 La	5L 570 / 1448 La	HAA 82 /2136 Lb
3L 260 / 660 La	4L 290 / 737 La	4L 720 / 1829 La	5L 580 / 1473 La	HAA 83 / 2161 Lb
3L 270 / 686 La	4L 300 / 762 La	4L 730 / 1854 La	5L 590 / 1499 La	HAA 85 / 2212 Lb
3L 280 / 711 La	4L 310 / 787 La	4L 740 / 1880 La	5L 600 / 1524 La	HAA 86 / 2237 Lb
3L 290 / 737 La	4L 320 / 813 La	4L 750 / 1905 La	5L 610 / 1549 La	HAA 88 /2288 Lb
3L 300 / 762 La	4L 330 / 838 La	4L 760 / 1930 La	5L 620 / 1575 La	HAA 89 / 2311 Lb
3L 310 / 787 La	4L 340 / 864 La	4L 770 / 1956 La	5L 630 / 1600 La	HAA 90 / 2339 Lb
3L 320 / 813 La	4L 350 / 889 La	4L 780 / 1981 La	5L 640 / 1626 La	HAA 91 / 2364 Lb
3L 330 / 813 La	4L 360 / 914 La	4L 790 / 2007 La	5L 650 / 1651 La	HAA 92 / 2390 Lb
3L 340 / 864 La	4L 370 / 940 La	4L 800 / 2032 La	5L 660 / 1676 La	HAA 93 / 2415 Lb
3L 350 / 889 La	4L 380 / 965 La	4L 810 / 2057 La	5L 670 / 1702 La	HAA 94 / 2441 Lb
3L 360 /914 La	4L 390 / 991 La	4L 820 / 2083 La	5L 680 / 1727 La	HAA 95 / 2466 Lb
3L 370 / 940 La	4L 400 / 1016 La	4L 830 / 2108 La	5L 690 / 1753 La	HAA 96 / 2491 Lb
3L 380 / 965 La	4L 410 / 1041 La	4L 840 / 2134 La	5L 700 / 1778 La	HAA 98 / 2542 Lb
3L 390 / 991 La	4L 420 / 1067 La	4L 850 / 2159 La	5L 710 / 1803 La	HAA 99 / 2568 Lb
3L 400 / 1016 La	4L 430 / 1092 La	4L 860 / 2184 La	5L 720 / 1829 La	HAA 102 / 2644 Lb
3L 410 / 1041 La	4L 440 / 1118 La	4L 870 / 2210 La	5L 730 / 1854 La	HAA 105 / 2720 Lb
3L 420 / 1067 La	4L 450 / 1143 La	4L 880 / 2235 La	5L 740 / 1880 La	HAA 108 / 2796 Lb
3L 430 / 1092 La	4L 460 / 1168 La	4L 890 / 2261 La	5L 750 / 1905 La	HAA 110 / 2847 Lb
3L 440 / 1118 La	4L 470 / 1194 La	4L 900 / 2286 La	5L 760 / 1930 La	HAA 112 / 2898 Lb
3L 450 / 1143 La	4L 480 / 1219 La	4L 910 / 3211 La	5L 770 / 1956 La	HAA 116 / 2997 Lb
3L 460 / 1168 La	4L 490 / 1245 La	4L 920 / 2337 La	5L 780 / 1981 La	HAA 120 / 3101 Lb
3L 470 / 1194 La	4L 500 / 1270 La	4L 930 / 2362 La	5L 790 / 2007 La	HAA 121 / 3126 Lb
3L 480 / 1219 La	4L 510 / 1295 La	4L 940 / 2388 La	5L 800 / 2032 La	HAA 123 / 3175 Lb
3L 490 / 1245 La	4L 520 / 1321 La	4L 950 / 2413 La	5L 810 / 2057 La	HAA 126 / 3251 Lb
3L 500 / 1270 La	4L 530 / 1346 La	4L 960 / 2438 La	5L 820 / 2083 La	HAA 128 / 3304 Lb
3L 520 / 1321 La	4L 540 / 1372 La	4L 970 / 2464 La		HAA 129 / 3327 Lb
	4L 550 / 1397 La	4L 980 / 2489 La		HAA 134 / 3454 Lb
	4L 560 / 1422 La	4L 990 / 2515 La		HAA 136 / 3505 Lb
	4L 570 / 1448 La	4L 1000 / 2540 La		HAA 144 / 3708 Lb
	4L 580 / 1473 La	4L 1030 / 2616 La		HAA 150 / 3861 Lb
	4L 590 / 1499 La	4L 1100 / 2794 La		HAA 161 / 4140 Lb
	4L 600 / 1524 La	4L 1120 / 2845 La		HAA 178 / 4572 Lb
	4L 610 / 1549 La	4L 1170 / 2972 La		HAA 183 / 4699 Lb

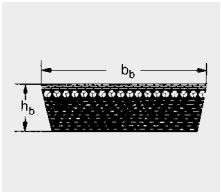
In addition to the standard range of profiles listed above, Optibelt offer an extensive cross reference of OE equivalent mower belts of all types.



Double sided timing belts are also in the Green Garden range e.g. DS8M 1800 200

OPTIBELT VARIABLE SPEED BELTS

optibelt VARIO POWER



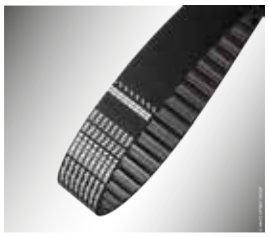
Ordering example :
13x5 468 :
13mm b_b x 5mm h_b x 468mm L_i (inside length)

optibelt VARIO POWER variable speed belts are manufactured in raw edge, cogged construction as standard.
A wide range of sizes available from UK stock.
Additional constructions and profiles including wrapped, double sided and American standard available to order.

Description L_i	Description L_w	Description L_i	Description L_w	Description L_i	Description L_w	Description L_i	Description L_w
DIN/ISO		26X8 962	W 25 1000	32X10 950	W 31.5 1000	47X13 1060	-
13x5 468	-	26X8 1082	W 25 1120	32X10 1000	W 31.5 1050	47X13 1120	-
13x5 500	-	28X8 600	-	32X10 1073	W 31.5 1120	47X13 1180	-
17x5 426	W 16 450	28X8 650	-	32X10 1120	W 31.5 1170	47X13 1250	-
17x5 476	W 16 500	28X8 700	-	32X10 1180	W 31.5 1230	47X13 1320	-
17x5 536	W 16 560	28X8 750	-	32X10 1200	W 31.5 1250	47X13 1400	-
17x5 570	W 16 600	28X8 800	-	32X10 1353	W 31.5 1400	47X13 1500	-
17x5 606	W 16 630	28X8 850	-	37X10 660	-	47X13 1600	-
17x5 776	W 16 800	28X8 900	-	37X10 800	-	47X13 1700	-
21X6 530	W 20 560	28X8 950	-	37X10 850	-	47X13 1800	-
21X6 600	W 20 630	28X8 1000	-	37X10 900	-	52X16 1180	W 50 1250
21X6 610	W 20 640	28X8 1060	-	37X10 950	-	52X16 1250	W 50 1320
21X6 675	W 20 710	28X8 1120	-	37X10 1000	-	52X16 1325	W 50 1400
21X6 770	W 20 800	28X8 1180	-	37X10 1020	-	52X16 1400	W 50 1480
21X6 870	W 20 900	28X8 1250	-	37X10 1060	-	52X16 1525	W 50 1600
21X6 970	W 20 1000	28X8 1320	-	37X10 1120	-	52X16 1600	W 50 1680
21X6 1220	W 20 1250	28X8 1400	-	37X10 1180	-	52X16 1725	W 50 1800
22X8 485	-	28X8 1500	-	37X10 1250	-	52X16 1925	W 50 2000
22X8 525	-	30X10 650	-	37X10 1320	-	52X16 2165	W 50 2240
22X8 565	-	30X10 665	-	37X10 1400	-	52X16 2240	W 50 2320
22X8 610	-	30X10 700	-	37X10 1500	-	55X16 1400	-
22X8 650	-	30X10 800	-	37X10 1600	-	55X16 1500	-
22X8 700	-	30X10 850	-	37X10 1700	-	55X16 1600	-
22X8 750	-	30X10 875	-	37X10 1800	-	55X16 1700	-
22X8 800	-	30X10 900	-	41X13 925	W 40 990	55X16 1800	-
22X8 850	-	30X10 950	-	41X13 1000	W 40 1060	65X20 1706	W 63 1800
22X8 900	-	30X10 1000	-	41X13 1040	W 40 1100	65X20 1906	W 63 2000
22X8 950	-	30X10 1035	-	41X13 1060	W 40 1120	70X18 1600	-
22X8 1000	-	30X10 1120	-	41X13 1120	W 40 1180	70X18 1700	-
22X8 1060	-	30X10 1200	-	41X13 1180	W 40 1240	70X18 1800	-
22X8 1185	-	30X10 1340	-	41X13 1190	W 40 1250	70X18 1900	-
26X8 655	W 25 690	30X10 1500	-	41X13 1250	W 40 1310	70X18 2000	-
26X8 672	W 25 710	30X10 1600	-	41X13 1340	W 40 1400	70X18 2240	-
26X8 710	W 25 750	32X10 750	W 31.5 800	41X13 1440	W 40 1500	70X18 2500	-
26X8 750	W 25 762	32X10 790	W 31.5 840	41X13 1600	W 40 1660		
26X8 762	W 25 800	32X10 820	W 31.5 870	41X13 1740	W 40 1800		
26X8 800	W 25 840	32X10 850	W 31.5 900	41X13 1940	W 40 2000		
26X8 862	W 25 900	32X10 900	W 31.5 950	47X13 1000	-		

OPTIBELT TIMING BELT PRODUCT RANGE

POWER TRANSMISSION



optibelt OMEGA – Premium quality, metric pitch timing belt for HTD / RPP pulleys

High quality chloroprene rubber with glass fibre tension cords. Ideal for general power transmission applications. Omega belts are quiet running and up to 98% efficient.

- Available in pitch 3M, 5M, 8M, 14M & Double Sided D5M, D8M, D14M

The Omega tooth profile is designed to run perfectly in both standard HTD and RPP pulleys. The small dent in the tip of the tooth allows air to escape easily resulting in a quieter running belt.

optibelt OMEGA HP – High Power

A special aramid fibre filled rubber compound and cover fabric gives the teeth far greater shear strength and dimensional stability allowing **optibelt OMEGA HP** to transmit up to 2.5-3 X more power than standard HTD belts while using the same pulleys.
Available in pitch (2MHP MTO), 3MHP, 5MHP, 8MHP, 14MHP & Double sided D8MHP

COST ADVANTAGE

Due to its far higher power rating, **optibelt OMEGA HP** can significantly reduce the size and purchase cost of a drive. The table opposite compare three drives transmitting the same power with similar service factors. Width is reduced from 3 inches (76 mm) to 30mm and cost is reduced by 63% V's a classical H pitch and 52% V's a standard 8M belt.

	Classical	8M	8MHP
Belt	400-H-300	1040-8M-50	920-8MHP-30
Pulley 1	TB-21-H-300	TB 34-8M-50	TB-24-8M-30
Pulley 2	TB-30-H-300	TB-48-8M-50	TB-34-8M-30
Total Cost	100%	77%	37%
Saving		**23%**	**63% / 52%**

optibelt ZR – Classical timing belts

High quality chloroprene rubber compound with glass fibre reinforcing cords. Classical timing belts have mostly been superseded by modern, higher power belts such as **optibelt OMEGA** and **optibelt DELTA CHAIN Carbon** but are still widely used on older applications.
Available in classical tooth pitches MXL, XL, L, H, XH, XXH and double sided DXL, DL, DH

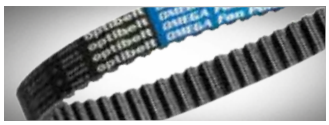
optibelt DELTA CHAIN Carbon – High Performance Timing Belts

Tough polyurethane teeth with Carbon fibre tension cords allow exceptionally high power and torque transmission with a relatively narrow belt. Up to 100% more power than even **optibelt OMEGA HP**. **optibelt DELTA CHAIN Carbon** is also particularly well suited to low speed, high torque applications making it a credible, clean and maintenance-free alternative to roller chain in many applications.

Our standard range of timing belts for transmission applications listed above are generally available from UK stock.
Optibelt also manufacture a wide range of other timing belts including belts with special and high performance constructions.

optibelt STD / STD HP

Constructions similar to Omega/Omega HP but with tooth profile to suit STD pulleys.
Available in profiles:
S5M, S8M, S14M, DS8M



optibelt OMEGA FAN POWER

High performance belt tailored to Fin-Fan applications common in the petrochemical industry.
Anti-static to ISO 9563
Available profiles 8MFP, 14MFP

optibelt OMEGA HL

Extra heavy duty glass tension cords for improved resistance to shock loading.
Available profiles :8MHL, 14MHL

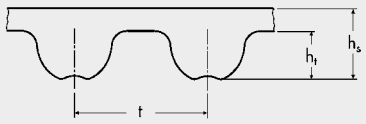
Special properties – made to order

- High temp ≤ 140°C
- Low temp ≥ -40°C
- Extra abrasion resistance
- Extra oil resistance
- Aramid cord
- Directional tracking
- Special tolerances

OPTIBELT TIMING BELTS

optibelt OMEGA / optibelt OMEGA HP

Exceptional reliability and consistency
Runs perfectly in both standard HTD® & RPP® Pulleys
Unique low noise tooth profile
Up to 98% efficient
optibelt OMEGA HP – High Performance, allows up to 2.5X power on standard pulleys
Also available in selected sizes 8M & 14M:
optibelt OMEGA HL – for high shock load applications
optibelt OMEGA FAN POWER – Ultra high performance for fan drives in the petro/Chem industry



Section	2M	3M	5M	8M	14M
Tooth height ht [mm]	0.70	1.10	1.90	3.20	5.60
Total belt thickness hs [mm]	1.30	2.30	3.40	5.40	9.50
Tooth pitch t [mm]	2.00	3.00	5.00	8.00	14.00

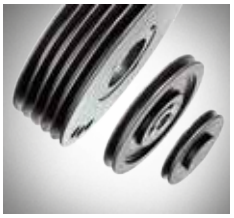
3M				5M			
Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth
111	37	384	128	180	36	700	140
129	43	390	130	225	45	710	142
141	47	420	140	255	51	720	144
144	48	426	142	265	53	740	148
150	50	435	145	270	54	750	150
159	53	447	149	280	56	755	151
165	55	462	154	295	59	775	155
168	56	474	158	300	60	790	158
171	57	480	160	305	61	800	160
174	58	486	162	325	65	825	165
177	59	495	165	330	66	830	166
180	60	501	167	340	68	835	167
183	61	513	171	350	70	850	170
186	62	519	173	360	72	860	172
192	64	522	174	365	73	890	178
195	65	525	175	370	74	900	180
201	67	531	177	375	75	925	185
204	68	537	179	385	77	935	187
207	69	558	186	400	80	940	188
210	70	564	188	415	83	950	190
213	71	570	190	420	84	965	193
225	75	582	194	425	85	975	195
240	80	597	199	450	90	980	196
246	82	600	200	460	92	1000	200
249	83	606	202	475	95	1025	205
252	84	615	205	490	98	1035	207
255	85	633	211	500	100	1050	210
267	89	669	223	520	104	1100	220
276	92	675	225	525	105	1125	225
282	94	711	237	535	107	1135	227
285	95	738	246	540	108	1200	240
288	96	804	268	550	110	1270	254
291	97	816	272	560	112	1380	276
294	98	843	281	565	113	1400	280
300	100	882	294	575	115	1420	284
312	104	888	296	580	116	1425	285
315	105	1062	354	600	120	1500	300
318	106	1569	523	610	122	1595	319
330	110	1692	564	615	123	1690	338
333	111			630	126	1790	358
339	113			635	127	1870	374
345	115			640	128	1895	379
357	119			645	129	2000	400
363	121			650	130	2110	422
366	122			665	133	2350	470
				670	134	2525	505

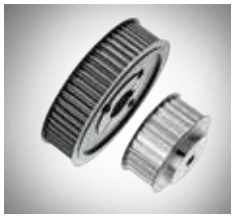
OPTIBELT TIMING BELTS

optibelt OMEGA / optibelt OMEGA HP

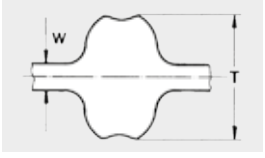
8M				14M			
Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth
288	36	1224	153	966	69	2450	175
352	44	1248	156	1092	78	2590	185
376	47	1256	157	1190	85	2800	200
416	52	1264	158	1344	96	3150	225
424	53	1280	160	1400	100	3360	240
480	60	1304	163	1456	104	3500	250
512	64	1328	166	1512	108	3850	275
520	65	1344	168	1610	115	4326	309
560	70	1360	170	1680	120	4578	327
576	72	1400	175	1778	127		
600	75	1424	178	1890	135		
608	76	1440	180	2100	150		
624	78	1520	190	2310	165		
632	79	1552	194				
640	80	1584	198				
656	82	1600	200				
680	85	1680	210				
712	89	1696	212				
720	90	1728	216				
760	95	1760	220				
776	97	1800	225				
784	98	1904	238				
800	100	1936	242				
824	103	2000	250				
840	105	2080	260				
848	106	2104	263				
856	107	2240	280				
880	110	2248	281				
896	112	2272	284				
912	114	2400	300				
920	115	2504	313				
960	120	2600	325				
976	122	2800	350				
1000	125	3280	410				
1040	130						
1056	132						
1064	133						
1080	135						
1096	137						
1120	140						
1128	141						
1160	145						
1184	148						
1200	150						
1216	152						

OPTIBELT PULLEYS AVAILABLE TO SUIT

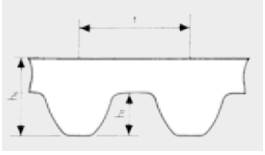




OTHER PROFILES



Double Sided in pitches
D5M, D8M, D14M, DS8M



STD® Profile in pitches
S3M, S5M, S8M, S14M
Also in High Power
OMEGA HP
(S5MHP, S8MHP)

OPEN ENDED LENGTHS

Supplied in 30m rollsor cut to length.

Available in sizes:

3M in Widths 6, 9, 15, 20 mm

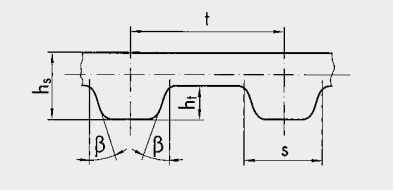
5M in Widths 6, 9, 10, 15, 20, 25, 30 mm

8M in Widths 10, 15, 20, 25, 30 mm

High Power Omega HP version available on request

OPTIBELT CLASSICAL TIMING BELTS

optibelt ZR



Section	MXL	XL	L	H	XH	XXH
Total belt thickness h_s [mm]	1.14	2.30	3.60	4.30	11.20	15.70
Tooth pitch t [mm]	2.032	5.08	9.525	12.70	22.225	31.75
Tooth height h_t [mm]	0.51	1.27	1.91	2.29	6.35	9.53

MXL				XL			
Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth
67.06	33	274.32	135	152,40	30	584,20	115
91.44	45	282.45	139	177,80	35	609,60	120
109.73	54	284.48	140	203,20	40	619,76	122
111.76	55	288.54	142	218,44	43	629,92	124
113.79	56	298.70	147	223,52	44	635,00	125
115.82	57	300.74	148	228,60	45	660,40	130
117.86	58	304.80	150	233,68	46	685,80	135
121.92	60	310.90	153	238,76	47	690,88	136
123.95	61	323.09	159	243,84	48	695,96	137
136.14	67	325.12	160	248,92	49	711,20	140
138.18	68	335.28	165	254,00	50	726,44	143
142.24	70	345.44	170	259,08	51	736,60	145
144.27	71	355.60	175	269,24	53	751,84	148
146.30	72	365.76	180	274,32	54	762,00	150
152.40	75	373.89	184	279,40	55	777,24	153
154.43	76	386.08	190	284,48	56	787,40	155
160.53	79	396.24	195	294,64	58	802,64	158
162.56	80	406.40	200	299,72	59	812,80	160
166.62	82	449.07	221	304,80	60	817,88	161
168.66	83	457.20	225	314,96	62	838,20	165
170.69	84	479.55	236	320,04	63	863,60	170
172.72	85	503.94	248	325,12	64	873,76	172
178.82	88	505.97	249	330,20	65	889,00	175
182.88	90	510.03	251	340,36	67	914,40	180
184.91	91	520.19	256	345,44	68	965,20	190
186.94	92	544.58	268	350,52	69	970,28	191
191.01	94	568.96	280	355,60	70	985,52	194
193.04	95	605.54	298	360,68	71	990,60	195
197.10	97	629.92	310	375,92	74	995,68	196
203.20	100	640.08	315	381,00	75	1046,48	206
205.23	101	680.72	335	396,24	78	1051,56	207
207.26	102	705.10	347	406,40	80	1097,28	216
209.30	103	731.52	360	411,48	81	1102,36	217
213.36	105	741.68	365	421,64	83	1112,52	219
215.39	106	812.80	400	426,72	84	1168,40	230
217.42	107	881.89	434	431,80	85	1264,92	249
219.46	108	920.50	453	441,96	87	1285,24	253
223.52	110	940.82	463	447,04	88	1305,56	257
227.58	112	1011.94	498	452,12	89	1473,20	290
229.62	113	1026.16	505	457,20	90	1600,20	315
231.65	114			462,28	91		
233.68	115			467,36	92		
243.84	120			477,52	94		
247.90	122			482,60	95		
249.94	123			487,68	96		
254.00	125			492,76	97		
256.03	126			497,84	98		
264.16	130			508,00	100		
268.22	132			533,40	105		
272.29	134			558,80	110		

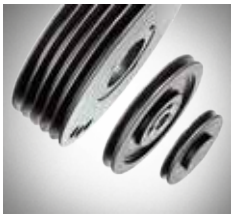
OPTIBELT CLASSICAL TIMING BELTS

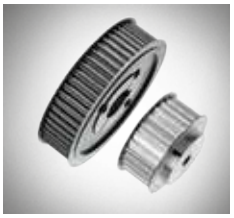
optibelt ZR

L		H				XH	
Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth
276.23	29	584.20	46	1727.20	136	1289.05	58
314.33	33	609.60	48	1778.00	140	1422.40	64
381.00	40	647.70	51	1828.80	144	1600.20	72
419.10	44	685.80	54	1854.20	146	1778.00	80
428.63	45	711.20	56	1905.00	150	1955.80	88
438.15	46	762.00	60	1955.80	154	2133.60	96
476.25	50	787.40	62	2032.00	160	2489.20	112
514.35	54	800.10	63	2057.40	162	2844.80	128
533.40	56	812.80	64	2082.80	164	3200.40	144
571.50	60	838.20	66	2159.00	170	3556.00	160
590.55	62	850.90	67	2184.40	172	3911.60	176
600.08	63	863.60	68	2286.00	180	4445.00	200
609.60	64	889.00	70	2413.00	190		
647.70	68	914.40	72	2540.00	200		
657.23	69	939.80	74	2794.00	220		
666.75	70	952.50	75	2844.80	224		
685.80	72	990.60	78	2895.60	228		
723.90	76	1016.00	80	2921.00	230		
762.00	80	1041.40	82	3175.00	250		
819.15	86	1066.80	84	3556.00	280		
876.30	92	1092.20	86	4318.00	340		
914.40	96	1143.00	90				
933.45	98	1181.10	93				
952.50	100	1219.20	96				
990.60	104	1244.60	98				
1028.70	108	1295.40	102				
1066.80	112	1320.80	104				
1076.33	113	1346.20	106				
1085.85	114	1371.60	108				
1104.90	116	1422.40	112				
1114.43	117	1447.80	114				
1143.00	120	1473.20	116				
1152.53	121	1524.00	120				
1219.20	128	1600.20	126				
1295.40	136	1651.00	130				
1333.50	140	1676.40	132				
1371.60	144	1701.80	134				
1524.00	160						
1600.20	168						
1676.40	176						
2075.18	218						

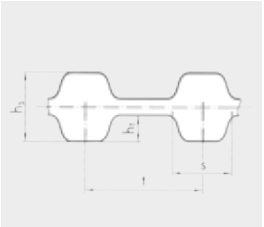
XXH	
1778.00	56
2032.00	64
2286.00	72
2540.00	80
3048.00	96
3556.00	112
4064.00	128
4572.00	144

OPTIBELT PULLEYS AVAILABLE TO SUIT





OTHER PROFILES



Double Sided in pitches
DXL, DL, DH

OPEN ENDED LENGTHS

Supplied in 30m rollsor cut to length.
Available in sizes:
MXL in width 025 (0.25")
XL in Width 025,031, 037, 050
L in Width 037, 050, 075, 100
H in width 050, 075, 100, 150, 200

OPTIBELT HIGH PERFORMANCE TIMING BELTS

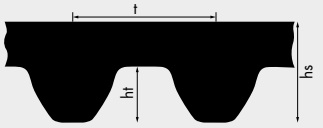
optibelt DELTA CHAIN Carbon

Carbon fibre reinforcing cords embedded in tough polyurethane deliver exceptionally high power and torque transmission with a relatively narrow belt. **optibelt DELTA CHAIN Carbon** is also particularly well suited to low speed, high torque applications making it a credible, clean and maintenance-free alternative to roller chain.

- Up to 100% more power than even **optibelt OMEGA HP**
- Good resistance to chemicals / oils
- Smooth back allows use with back-side idler
- Up to 98% efficient

Standard Widths*	12, 21, 36, 62
Minimum pulley Ø	22 teeth = 56.02 mm
Temperature Range	-30°C to 80°C

* Special widths available on request.



Profile	8MDC
t [mm]	8
h_s [mm]	5.9
h_t [mm]	3.4

Profile, length	Pitch length L_w [mm]	Number of teeth
8MDC 640	640.00	80
8MDC 720	720.00	90
8MDC 800	800.00	100
8MDC 896	896.00	112
8MDC 960	960.00	120
8MDC 1000	1000.00	125
8MDC 1040	1040.00	130
8MDC 1120	1120.00	140
8MDC 1200	1200.00	150
8MDC 1224	1224.00	153
8MDC 1280	1280.00	160
8MDC 1440	1440.00	180
8MDC 1600	1600.00	200
8MDC 1760	1760.00	220
8MDC 1792	1792.00	224

optibelt ZRS DC PULLEYS

optibelt DELTA CHAIN Carbon is designed to run in **optibelt ZRS DC** pulleys and is also compatible with alternative brands of timing pulley/"sprocket" including PC & CTD. It is not compatible with HTD pulleys.

Standard sizes are available to order from stock in 8MDC – Taperbore form.14MDC and special versions are available to order.

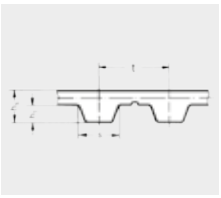
Ordering Examples:
Belt: 720 8MDC 21
720mm Pitch length, 8MDC tooth pitch & profile, 21mm wide.

Taperbore Pulley: 8MDC 21 TB 34
8MDC tooth pitch & profile, to suit belt 21mm wide, Taperbore, 34 tooth.

Pilot bore Pulley: 8MDC 21 22
8MDC tooth pitch & profile, to suit belt 21mm wide, 22 tooth.

OPTIBELT POLYURETHANE TIMING BELTS

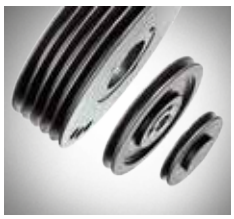
optibelt ALPHA TORQUE

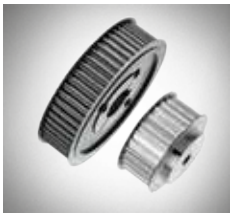


	t [mm]	h_t [mm]	h_s [mm]	s [mm]
T2.5	2.5	0.70	1.30	1.50
T5	5.0	1.20	2.20	2.65
T10	10.0	2.50	4.50	5.30

T2.5		T5				T10			
Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth
120	48	165	33	690	138	260	26	1460	146
145	58	185	37	700	140	320	32	1500	150
160	64	200	40	720	144	350	35	1560	156
177,5	71	215	43	725	145	370	37	1600	160
180t	72	220	44	750	150	400	40	1610	161
200	80	225	45	780	156	410	41	1700	170
210	84	245	49	800	160	440	44	1750	175
230	92	250	50	815	163	450	45	1780	178
245	98	255	51	840	168	500	50	1800	180
265	106	260	52	850	170	530	53	1880	188
277,5	111	270	54	860	172	550	55	1960	196
285	114	275	55	900	180	560	56	2250	225
290	116	280	56	940	188	600	60		
305	122	295	59	990	198	610	61		
317,5	127	300	60	1000	200	630	63		
330	132	305	61	1075	215	650	65		
342,5	137	320	64	1100	220	660	66		
380	152	325	65	1115	223	690	69		
420	168	330	66	1140	228	700	70		
480	192	340	68	1215	243	720	72		
500	200	350	70	1315	263	750	75		
540	216	355	71	1350	270	780	78		
600	240	360	72	1380	276	800	80		
620	248	365	73	1440	288	810	81		
650	260	375	75			840	84		
780	312	390	78			850	85		
915	366	400	80			880	88		
950	380	410	82			890	89		
		420	84			900	90		
		425	85			910	91		
		430	86			920	92		
		440	88			950	95		
		445	89			960	96		
		450	90			970	97		
		455	91			980	98		
		460	92			1000	100		
		475	95			1010	101		
		480	96			1050	105		
		500	100			1080	108		
		510	102			1100	110		
		525	105			1110	111		
		545	109			1140	114		
		550	110			1150	115		
		560	112			1200	120		
		575	115			1210	121		
		590	118			1240	124		
		600	120			1250	125		
		610	122			1300	130		
		620	124			1320	132		
		625	125			1350	135		
		630	126			1390	139		
		640	128			1400	140		
		650	130			1420	142		
		660	132			1440	144		
		675	135			1450	145		

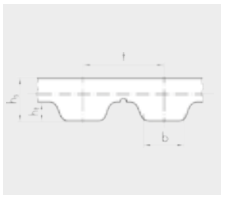
OPTIBELT PULLEYS AVAILABLE TO SUIT





OPTIBELT POLYURETHANE TIMING BELTS

optibelt ALPHA TORQUE



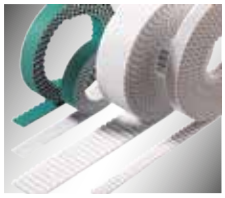
	t [mm]	h_t [mm]	h_s [mm]	b [mm]
AT5	5.0	1.20	2.70	2.50
AT10	10.0	2.50	5.00	5.00

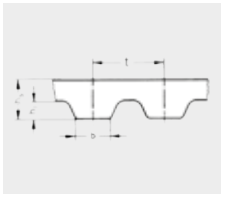
AT5				AT10			
Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth	Pitch Length (mm)	No. Teeth
225	45	860	172	500	50	1150	115
255	51	975	195	530	53	1200	120
280	56	1050	210	560	56	1210	121
300	60	1125	225	600	60	1250	125
340	68	1500	300	610	61	1280	128
375	75			660	66	1300	130
390	78			700	70	1320	132
420	84			730	73	1350	135
450	90			780	78	1360	136
455	91			800	80	1400	140
500	100			840	84	1420	142
545	109			890	89	1480	148
600	120			920	92	1500	150
610	122			960	96	1600	160
660	132			980	98	1700	170
710	142			1000	100	1720	172
720	144			1010	101	1800	180
750	150			1050	105	1860	186
780	156			1080	108	1940	194
825	165			1100	110		

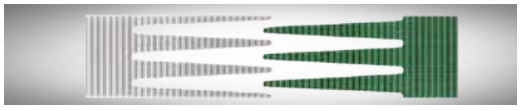
Other Profiles: Double Sided DT2.5, DT5, DT10 Classical MXL, XL, L

optibelt ALPHA LINEAR & V (JOINED)

Polyurethane Timing Belts supplied open ended or joined to any length (multiple of pitch).
Available with steel reinforcing cords as standard or Aramid cords for rust free applications.







Alpha V joined belts can be welded to any length (multiple of pitch). Typically used for conveying applications.
Joint strength = approx. 50% of belt

Profile	Standard Widths	Profile	Standard Widths
T5*	6, 8, 10, 12, 16, 20, 25, 32, 50	**XL**	6.35; 7.94; 9.53; 12.70; 19.05; 25.40
T10*	10, 12, 16, 20, 25, 32, 40, 50, 75, 100	**L**	9.53; 12.70; 19.05; 25.40; 38.10; 50.80
T20	25, 32, 40, 50, 75, 100	**H**	12.70; 19.05; 25.40; 38.10; 50.80; 76.20; 101.60
AT5*	6, 8, 10, 16, 25, 32, 50, 75, 100	**XH**	25.40; 50.80; 76.20; 101.60
AT10*	16, 25, 32, 50, 75, 100, 150	**5M**	10.00; 15.00; 20.00; 25.00; 50.00
AT20	25, 32, 50, 75, 100, 150	**8M**	20.00; 25.00; 30.00; 50.00; 85.00; 100.00
*Available with tracking guides K6/K13		**14M**	25.00; 40.00; 55.00; 85.00; 100.00; 150.00

optibelt ALPHA FLEX

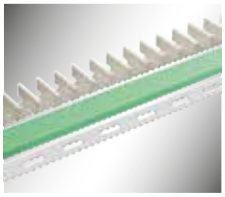
Truly Endless PU Timing Belts

Polyurethane is moulded around continuously wound steel or aramid tension cords allowing the production of long, truly endless belts with no join. Typically used for heavy duty motion control, indexing and conveying applications.

- Length range 1,100mm-12,000mm depending on profile.
  (Lengths up to 24,000mm possible by request)
- Available in profiles: T5,T10, T20, AT5, AT10, AT20, 5M, 8M, 14M, H
- Special options include : High flex, Stainless cords, PAZ fabric on teeth…

OPTIBELT MODIFIED TIMING BELTS

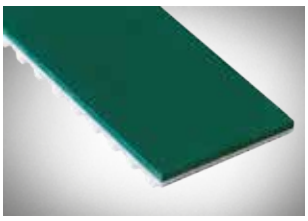
optibelt ALPHA SPECIAL



optibelt ALPHA SPECIAL belts are used wherever materials need to be conveyed, positioned or fed. An almost infinite number of solutions are possible including special backings, attachments and machining all produced at our dedicated factory.

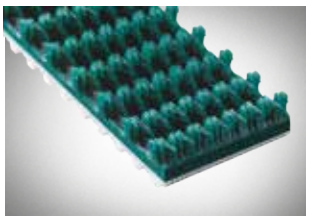
COATED / BACKED BELTS

A huge variety of different backing materials can be added to the back of our Alpha timing belts (or other belts) to suit different material handling applications. Foam materials in PU or rubber can cushion and grip conveyed items while backings with profiled or textured surfaces can give additional purchase. Common backing materials include Rubber, Polyurethane and PVC all of which are available in various hardnesses, thicknesses and colours and with different chemical and mechanical properties. Due to space restrictions we are unable to list all varieties but some common types are shown below. Ask Optibelt via your IADA representative for further info.

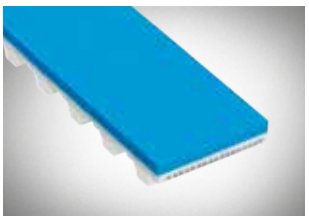


PAR Fabric – reduces wear and friction. Ideal for accumulation conveyors where belt needs to slide under product.

Linatex Rubber
Hard wearing high grip. Thickness range 1.5-8.0mm



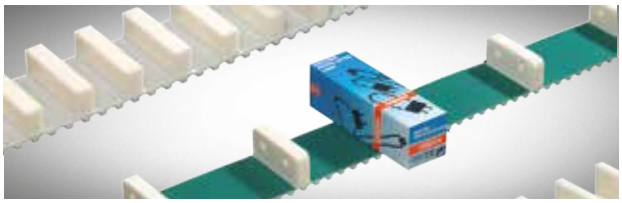
Super Grip-Top
High positive grip. PVC & Rubber options.

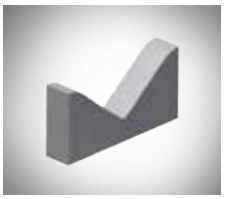


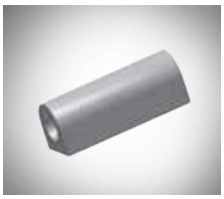
Blue PU FDA
Blue FDA approved Polyurethane. Ideal for food conveying applications.

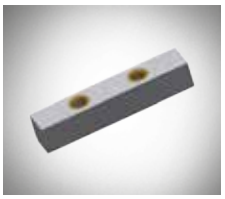
CLEATED / ATTACHMENT BELTS

A wide range of attachments can be welded or mechanically fastened onto our belts. We have many standard stock cleats but are also able to machine or injection mould custom made profiles. Cleats are ideal where accurate positioning or positive drive of a conveyed item is required e.g. pushing items up an incline or holding an item in a jig during processing.







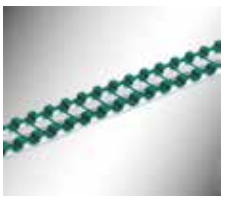


EXAMPLE OF COMMON CLEATS

MECHANICAL PROCESSING

Belts can be mechanically processed in a variety of ways including:

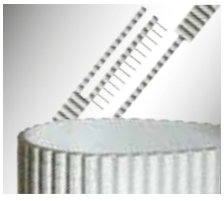
- Grinding (belt top surface or teeth)
- Milling (grooves in top surface or coatings)
- Waterjet cutting (cutting holes or slots in the belt)
- Punching (finger splicing)
- Drilling (longitudinal drilled hole in tooth)
- Cutting, carving (separating the coating)



MECHANICAL JOINTING

In addition to a permanent welded join in belts, Optibelt offer mechanical jointing methods:
Pin Joint : Allows belts to be joined to length on site, avoiding the need to disassemble machines to fit the belts.
Available in profiles : T10 & AT10 in widths 25, 32 & 50mm
ZS/ZSI joint allows belts to be joined via stainless or brass plates and is ideal where it is necessary to regularly remove and then re-assemble the belts e.g. for cleaning or re-tooling.
Available in profiles : T10 & AT10 in widths 25,32 & 50mm and H pitch in widths 1, 1.5 & 2 inch.

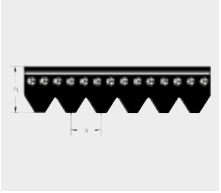
PIN JOIN



ZS/ZSI JOINT

OPTIBELT RIBBED BELTS

optibelt RB



Profile	PH	PJ	PK	PL	PM
s [mm]	1.60	2.34	3.56	4.70	9.40
h [mm]	2.50	3.50	4.60	7.00	13.00

PH		PJ				PK				PL				PM	
Effective Length (mm)	Effective Length (inch)	Effective Length (mm)	Effective Length (inch)	Effective Length (mm)	Effective Length (inch)	Effective Length (mm)	Effective Length (inch)	Effective Length (mm)	Effective Length (inch)	Effective Length (mm)	Effective Length (inch)	Effective Length (mm)	Effective Length (inch)	Effective Length (mm)	Effective Length (inch)
698	27.50	280	11.00	1301	51.20	630	24.80	1570	61.80	954	37.50	4051	159.50	2286	90.00
735	28.90	330	13.00	1309	51.50	648	25.50	1600	63.00	991	39.00	4191	165.00	2388	94.00
762	30.00	356	14.00	1316	51.80	698	27.50	1655	65.20	1075	42.30	4470	176.00	2515	99.00
813	32.00	362	14.30	1321	52.00	730	28.70	1690	66.50	1194	47.00	4622	182.00	2693	106.00
858	33.80	381	15.00	1333	52.50	775	30.50	1755	69.10	1270	50.00	5029	198.00	2832	111.50
864	34.00	406	16.00	1355	53.40	800	31.50	1854	73.00	1333	52.50	5385	212.00	2921	115.00
886	34.90	414	16.30	1371	54.00	812	32.00	1885	74.20	1371	54.00	6096	240.00	3010	118.50
955	37.60	432	17.00	1397	55.00	830	32.70	1930	76.00	1397	55.00			3124	123.00
965	38.00	457	18.00	1428	56.20	865	34.00	1956	77.00	1422	56.00			3327	131.00
975	38.40	483	19.00	1439	56.70	875	34.50	1980	78.00	1562	61.50			3531	139.00
990	39.00	508	20.00	1475	58.10	890	35.00	2030	79.90	1613	63.50			3734	147.00
1016	40.00	559	22.00	1549	61.00	913	36.00	2050	80.70	1664	65.50			4089	161.00
1080	42.50	584	23.00	1600	63.00	920	36.20	2080	82.00	1715	67.50			4191	165.00
1092	43.00	610	24.00	1651	65.00	940	37.00	2120	83.50	1764	69.50			4470	176.00
1096	43.10	660	26.00	1663	65.50	954	37.60	2145	84.40	1803	71.00			4648	183.00
1168	46.00	711	28.00	1752	69.00	962	37.80	2170	85.40	1841	72.50			5029	198.00
1194	47.00	723	28.50	1780	70.00	990	39.00	2235	88.00	1943	76.50			5410	213.00
1200	47.20	737	29.00	1854	73.00	1015	40.00	2255	88.80	1981	78.00			6121	241.00
1222	48.10	762	30.00	1895	74.60	1080	42.50	2362	93.00	2020	79.50			6883	271.00
1230	48.40	813	32.00	1910	75.20	1090	43.00	2460	96.90	2070	81.50			7646	301.00
1262	49.70	836	32.90	1915	75.40	1125	44.30	2515	99.00	2096	82.50			8408	331.00
1270	50.00	864	34.00	1930	76.00	1150	45.30	2845	112.00	2134	84.00			9169	361.00
1285	50.60	914	36.00	1956	77.00	1165	45.90			2197	86.50			9931	391.00
1290	50.80	955	37.60	1965	77.40	1190	46.80			2235	88.00			10693	421.00
1301	51.20	965	38.00	1981	78.00	1200	47.20			2324	91.50			12217	481.00
1309	51.50	1016	40.00	1992	78.40	1222	48.10			2362	93.00			13741	541.00
1316	51.80	1092	43.00	2083	82.00	1230	48.40			2476	97.50			15266	601.00
1321	52.00	1105	43.50	2155	84.80	1245	49.00			2515	99.00				
1333	52.50	1110	43.70	2210	87.00	1270	50.00			2705	106.50				
1371	54.00	1123	44.20	2337	92.00	1285	50.60			2743	108.00				
1397	55.00	1130	44.50	2489	98.00	1290	50.80			2845	112.00				
1439	56.70	1150	45.30			1321	52.00			2895	114.00				
1475	58.10	1168	46.00			1330	52.40			2921	115.00				
1600	63.00	1194	47.00			1345	53.00			2997	118.00				
1854	73.00	1200	47.30			1371	54.00			3086	121.50				
1895	74.60	1222	48.10			1397	55.00			3124	123.00				
1915	75.40	1244	49.00			1439	56.70			3289	129.50				
1930	76.00	1262	49.70			1460	57.50			3327	131.00				
1956	77.00	1270	50.00			1520	59.80			3492	137.50				
1992	78.40	1285	50.60			1560	61.40			3696	145.50				
2083	82.00														
2155	84.80														

OPTIBELT BELTS & KITS

AUTOMOTIVE TECHNOLOGY

Optibelt are an Original Equipment supplier to many of the world's leading car and truck manufacturers and stock a wide range of OE quality belts and tensioner kits for the automotive aftermarket. The range includes : AVX V-belts, PK Ribbed belts, Timing belts, Timing belt kits and tensioners.

optibelt ZRK

optibelt TRUCK POWER MARATHON 2 M=S

optibelt RB

optibelt KIT

INSTALLATION & MAINTENANCE – TOOLS & ADVICE

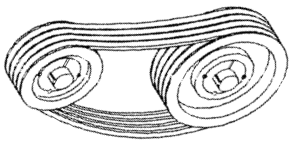
HOW TO GET THE MOST OUT OF YOUR DRIVES

Optibelt only manufacture premium quality, high performance belts from which customers can expect to see lower running costs, reduced maintenance, increased productivity and reliability. But even Optibelt products can't perform to their best if they're not installed and, where necessary, maintained properly.
Just a few simple steps which constitute maintenance good practice can ensure that your drives keep running efficiently and reliably for longer.

Safety First: Before starting any work, always check that machinery is turned off and secure to work on.

1. Check for pulley wear.
Worn V-pulleys place additional stresses on V-belts and result in premature wear. Optibelt pulley gauges help to show when pulleys are worn as shown

2. Always reduce centre distance before fitting belts and then extend to tension. Never roll on belts under tension as this is likely to damage the cords inside the belt which will result in premature and unpredictable failure



Tension cords likely to be damaged by rolling belts onto pulleys.

3. Check for pulley alignment. Misaligned pulleys rapidly wear out belts and significantly reduce a drive's efficiency. It can also lead to other problems such as increased noise, vibration and heat. Alignment can be roughly checked with a straight edge but Optibelt's laser alignment tool makes the job quicker and more accurate. The laser simply clips magnetically onto the face of the pulley and beams a line onto magnetic targets placed on the other pulley(s) allowing the fitter to check for alignment and make adjustments while viewing the result.

optibelt LASER POINTER II - alignment tool

Optibelt CAP 6.0 drive calculation software is available as a free download from www.optibelt.com

4. Fit belts at the correct tension: Correct belt tension is critical to the longevity and efficiency of a drive. Tensioning information is provided by some machine manufacturers but, where that's not the case, Optibelt are able to advise and provide free drive calculation software .
Because the optimum tension varies significantly from drive to drive, it is not possible to accurately check the tension by feel. Optibelt tension gauges allow a belt's tension to be measured quickly and accurately.

5. Maintain correct running tension: After a short run-in period it is good practice to re-check the tension. With V-belts an initial drop of approx. 25% is expected and is planned for in the installation tension. Following this ,tension should be checked periodically as part of routine maintenance. In particular , V-belts loose tension over time and will occasionally need to be re-tensioned in order to last and run efficiently. If this is not practical then we recommend the use of **optibelt RED POWER 3** – maintenance-free belts.

optibelt TT electronic tension measuring device

Improved performance example - Air Compressor

3x XPZ 1400 belts on critical medical air compressors were lasting less than 12 months and required regular maintenance to avoid failure.
A set of **optibelt RED POWER 3** belts were installed and correctly tensioned using an **optibelt TT** tension tester.
3 Years later the belts were still running and in good condition, having required no maintenance or re-tensioning during this time.

BANDO

BANDO started as the **first belt manufacturer in Japan** over 100 years ago. BANDO offers **reliable and efficient solutions** for your **belt drives** with a wide range of **friction** and **synchronous** power transmission belts.

With our **worldwide** footprint in 14 countries with **19 manufacturing plants** in **Europe**, North America, and Asia, we meet the individual market requirements. We offer **tailored solutions** for our customer needs with our two distribution branches and one production facility in Europe. BANDO constantly strive to consider our customers' requirements in our daily work, and their **satisfaction** is our top priority.

PREMIUM QUALITY
POWER TRANSMISSION BELTS
SINCE 1906

BANDO BANFLEX™

BANDO BANFLEX™ and **BANDO BANFLEX SCRUM™** V-belts were developed for **high speed drives** with a belt speed of up to 60 m/s.

Polyurethane rubber with **excellent abraison resistance** and **large friction factor.** The enlarged profile angle provides **extremely low vibration** running.

Can be used with **small pulley** diameters for **high speed** ratios. Ideal for **lightweight** and **compact** transmission systems.

The back of the belt is diagonally grooved for more **flexibility, extended durability** and **energy efficiency.**

BANDO BANFLEX™

BANDO BANFLEX SCRUM™

Belt profiles of BANDO BANFLEX™ and BANDO BANFLEX SCRUM™

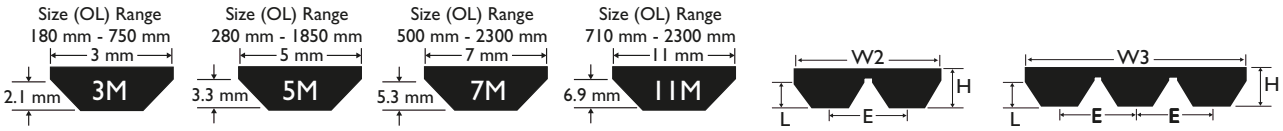


Table: Size list of BANDO BANFLEX™ and BANDO BANFLEX SCRUM™

	BANFLEX				BANFLEX SCRUM		
Outside length [mm]	**3M**	**5M**	**7M**	**11 M**	**5MS**	**7MS**	**11 MS**
180	•						
185	•						
190	•						
195	•						
200	•						
206	•						
212	•						
218	•						
224	•						
230	•						
236	•						
243	•						
250	•						
258	•						
265	•						
272	•						
280	•	•			•		
290	•	•			•		
300	•	•			•		
307	•	•			•		
315	•	•			•		
325	•	•			•		
335	•	•			•		
345	•	•			•		
355	•	•			•		
365	•	•			•		
375	•	•			•		

	BANFLEX				BANFLEX SCRUM		
Outside length [mm]	3M	5M	7M	11 M	5MS	7MS	11 MS
387	•	•			•		
400	•	•			•		
412	•	•			•		
425	•	•			•		
437	•	•			•		
450	•	•			•		
462	•	•			•		
475	•	•			•		
487	•	•			•		
500	•	•	•		•	•	
515	•	•	•		•	•	
518		•			•		
530	•	•	•		•	•	
545	•	•	•		•	•	
560	•	•	•		•	•	
563						•	
580	•	•	•		•	•	
600	•	•	•		•	•	
615	•	•	•		•	•	
630	•	•	•		•	•	
650	•	•	•		•	•	
670	•	•	•		•	•	
690	•	•	•		•	•	
710	•	•	•	•	•	•	•
730	•	•	•	•	•	•	•
750	•	•	•	•	•	•	•
775		•	•	•	•	•	•
800		•	•	•	•	•	•
805		•			•		
825		•	•	•	•	•	•
837						•	
850		•	•	•	•	•	•
875		•	•	•	•	•	•
900		•	•	•	•	•	•
925		•	•	•	•	•	•
950		•	•	•	•	•	•
975		•	•	•	•	•	•
1000		•	•	•	•	•	•
1030		•	•	•	•	•	•
1060		•	•	•	•	•	•
1090		•	•	•	•	•	•
1120		•	•	•	•	•	•
1150		•	•	•	•	•	•
1180		•	•	•	•	•	•
1220		•	•	•	•	•	•
1250		•	•	•	•	•	•
1280		•	•	•	•	•	•
1320		•	•	•	•	•	•
1360		•	•	•	•	•	•
1400		•	•	•	•	•	•
1450		•	•	•	•	•	•
1500		•	•	•	•	•	•
1550			•	•		•	•
1600			•	•		•	•
1650			•	•		•	•
1700			•	•		•	•
1750			•	•		•	•
1800			•	•		•	•
1850		•	•	•	•	•	•
1900			•	•		•	•
1950			•	•		•	•
2000			•	•		•	•
2060			•	•		•	•
2120			•	•		•	•
2180			•	•		•	•
2240			•	•		•	•
2300			•	•		•	•

BANDO STS (STD) profile synchronous belt

BANDO STS belts are perfect for high torque synchronous power transmission applications previously driven by chains and gears.

	Dimension [mm]			Material		Performance			Material		
Profile	P	H1	H2	Rubber	Stan-dard	High	Ceptor-VI	Ceptor-X	Polyure-thane	Stan-dard	King Power
S1.5M	1.5	1.12	0.57	●							
S2M	2.0	1.31	0.76	●					●	●	
S3M	3.0	2.10	1.14	●			●		●	●	
S4.5M	4.5	2.70	1.71	●							
S5M	5.0	3.61	1.91			●	●				
S8M	8.0	5.00	3.05			●	●	●			●
S14M	14.0	8.70	5.30			●	●	●			●

BANDO HTS (HTD) profile synchronous belt

BANDO HP-HTS tooth profile is designed to fit both, HTD pulleys and Generation II HTD pulleys.

	Material	Performance	
Profile	Rubber	Standard	High
5M	●	●	
8M	●	●	●
14M	●	●	●

BANDO Trapez profile synchronous belt

Bancollan Timing Belts made from highly durable polyurethane with steel cords for all industrial sectors.

	Material	
Profile	Rubber	Polyurethane
MXL	●	●
XL	●	●
L	●	●
H	●	
XH	●	
XXH	●	
T2.5		●
T5		●
T10		●

Welcome to *MEGADYNE*

Founded in 1957 and based in Mathi (Italy), Megadyne is a global manufacturer of rubber and urethane drive belts and associated components used in power transmission, product handling and linear positioning applications. Megadyne has grown from being a small family company to an international leader in its related fields.

As part of the Ammega Group, we share the same vision:

"We aspire to be the local partner of choice for belting solutions – around the globe."

14 Factories in Europe, Asia and America
+50 Commercial locations, + 2,000 Employees
3 main hubs, one per Region

Our strengths

After six decades of progressive expansion, organic development and strategic acquisitions, Megadyne remains committed to investing in best-in-class manufacturing, distribution and fabrication capabilities.

Passion
The Passion to do what is needed is a "must" in Megadyne.

Proximity
A close proximity and good relationships with our clients, that enables us to work hand in hand to create the optimum solutions.

Product
Thanks to our diversified Product Portfolio, we provide a full range of power transmission and product handling solutions for all industry segments.

People
More than 2,000 experienced employees, with a huge knowledge and professionalism, work every day alongside the customers.

Presence
We keep a "Glocal" Approach to the Market: Worldwide Presence, speaking the same languages as our customers.

TIMING BELTS

ISORAN RUBBER TIMING BELTS

Rubber Endless Timing Belts available in single or double sided version, in classical pitches and RPP profiles. A large range of products available from stock.

SECTIONS
MXL - XL - L - H - XH - XXH - XL DD - L DD - H DD
RPP3 - RPP5 - RPP8 - RPP14
RPP5 DD - RPP8 DD - RPP14 DD
SLV5 - SLV2 8M - SLV2 14M - SLV8 DD - SLV14 DD
GOLD8 - GOLD14
PLT8 - PLT14

ISORAN OPEN END BELTS

Open End Belts especially suitable for linear drives, accurate positioning and bidimensional drives, where the rotation has to be translated into a linear position. Available in classical and RPP profiles.

SECTIONS
MXL - XL - L - H - RPP3 - RPP5 - RPP8
RPP STEEL 8M - RPP STEEL 14M
SLV5 - SLV8 - STD8

MEGAPOWER

Polyurethane Endless Timing Belts manufactured using a unique thermoset moulding process.

SECTIONS
MXL - XL - L* - H* - T2 - T2,5 - T2.5 DD
T5* - T10* - T5 DD* - T10 DD*
AT5 - AT10*

(*) available also with FC material

MEGAFLEX

Polyurethane Endless Timing Belts made of thermoplastic polyurethane, with a continuous spiral cord.

SECTIONS
XL - L - H - XH - XL DD- L DD - H DD - XH DD
T5 - T10 - T20 - T5 DD - T10 DD - T20 DD
AT5 - AT10 - AT15 - AT20 - AT5 DD - AT10 DD - AT15 DD - AT20 DD
MTD 8M - ATG10 K13
RPP5 - RPP8 - RPP14 - RPP5 DD - RPP8 DD - RPP14 DD
P2

MEGALINEAR

Open end timing belts made in thermoplastic polyurethane, available in both open-end or joined versions.

SECTIONS
MXL - XL - L - H - XH - T2,5 - T5* - T10* - T20
AT3 - AT5 - AT10 - AT20
RPP5 - RPP8 RPP14 - RPP14 XHP
MTD3 - MTD5 - MTD8 - MTD14
STD5 - STD8
TG5 - TG10 K6 - TG10 K13 - TG20
ATG5 - ATG10 K6 - ATG10 K13 - ATG20 - HG
QST5 - QST8 - QST14
GW14 - GW20 - P1 - P2 - P3 - P4

(*) available also with FC material

FLAT BELTS

MEGAFLAT (PU and RUBBER)

Flat Belts truly endless mandrel moulded,
available with polyester, aramid or cotton reinforcements.

MEGAFLAT POLYURETHANE
SECTIONS: P0 - P102 - P105 - P107 - P108 - P110 - P120 - P155 - S108 - S110 - S120 - S155

MEGAFLAT RUBBER
SECTIONS: T75 - T108 - T110 - T120 - T150 - T155 - T200

MULTI RIB BELTS

PV BELTS

Endless Rubber Belts with longitudinal V shaped grooves providing high flexibility and great power performance.

SECTIONS: PH - PJ - PK - PL - PM

MEGARIB

Ribbed Belts manufactured using a thermoset compound with polyester or polyamide high tension cord.

SECTIONS: PJ - PH - PTB2

V-BELTS

OLEOSTATIC GOLD – OLEOSTATIC – EXTRA

OLEOSTATIC GOLD in Z - A - B - C - D - E - SPZ - SPA - SPB - SPC
EXTRA in Z - A - B - C - SPZ - SPA - SPB - SPC
OLEOSTATIC in 20 - 25 - 45 - 50 - 3V - 5V - 8V

ESAFLEX

SECTIONS: AA - BB – CC

XDV2

SECTIONS: XDV 38 - XDV 48 - XDV 58

LINEA GOLD

SECTIONS
AX - BX - CX - XPZ - XPA - XPB -XPC

LINEA-X

SECTIONS
XPZ - XPA - XPB - XPC

VARISECT

SECTIONS
13x6 - 17x6 - 21x7 - 22x8 - 26x8 - 28x8 - 30x10
32x10 - 36x12 - 37x10 - 42x13 - 47x13
52x16 - 55x16 - 65x20 - 70x20

PLURIBAND

SECTIONS
RA - RB - RC - RSPZ - RSPA - RSPB - RSPC
R3V - R5V - R8V - R3VX - R5VX

ACCU-LINK

Accu-link may be used as an emergency belt in place of V-belts in case of unexpected failure, but is also originally installed in many industrial sectors.

SPECIAL & FABRICATED BELTS

MEGAWELD

A wide selection of trapezoidal and round weldable belts made in thermoplastic polyurethane by a unique extrusion process and suitable for numerous applications.

COVERS and MODIFICATIONS

Megadyne can fully customise its belts with a variety of covers - in Polyurethane, Rubber elastomer, foam, PVC - and the following special modifications:

- Cleats
- False Teeth
- Custom shapes
- Grinding
- Notching/Knife Cut
- Fabric added to the tooth side of belt
- Holes/Perforations/Grooves/Vacuum Countersinks
- Pockets
- Slots
- Saw Tooth

PPJ SYSTEM

Very fast belt replacement system to join belts directly on the machine.

MECHANICAL POWER TRANSMISSION COMPONENTS

Megadyne stocks and supplies an extensive range of pulleys and accessories like timing bars, taper bushes, flanges, clamping plates... to offer a complete drive transmission system.