

COGGED CLASSICAL V-BELTS



PIX
Power Transmission Solutions

Driving growth!

COGGED CLASSICAL V-BELTS

INTRODUCTION

RAW EDGE COGGED BELTS ARE V-BELTS WITH MOULDED TEETH ON THEIR INNER SURFACE.

Raw Edge Cogged (REC) belts offer more flexibility compared to the Wrap construction Belts as the tooth profile allows the accumulation of air pockets into it, which acts as a heat absorber and prevents the increase in temperature of the drive during operation. The 'Raw Edge' surface on the side walls of the belt increases the coefficient of friction with the pulley and allow the belt to transmit more power than the wrapped equivalent

The teeth on the REC belts run perpendicular to the belt length, and reduce the bending stress in the belt components. They run cooler, last longer, and are more energy-efficient compared to wrapped construction belts. REC belts can be used with the same pulleys as wrapped construction belts, and are used in a wide array of mechanical machinery, where enhanced power transmission is required.

PIX offer the Classical REC belts in ZX, AX, BX, CX, and DX sections.

In addition to standard construction, Classical REC belts are available to order in Muscle specification for even higher power transmission, and maintenance-free applications.



PIX
Power Transmission Solutions

Driving growth!

PIX ARE WORLD LEADERS IN THE
MANUFACTURE OF ADVANCED
TECHNOLOGY BELTS

COGGED CLASSICAL V-BELTS

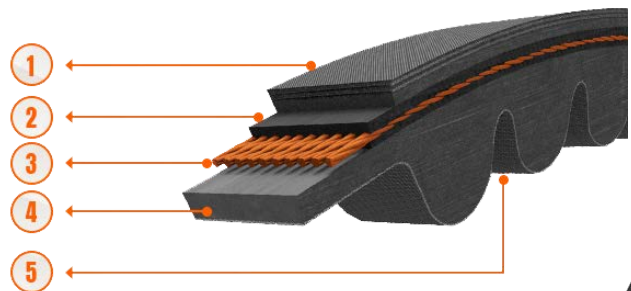
INTRODUCTION

FEATURES

- Higher power transmission capacity than wrapped Belts.
- Special cog design for enhanced flexibility and heat dissipation rate.
- Suitable for drives using smaller diameter pulleys and high RPM.
- Anti-static, oil & heat resistant.
- Maximum Belt linear speed (Classical section: up to 30 m/Sec, Wedge: up to 42 m/Sec, Narrow: up to 45 m/Sec).
- Temperature range: -25°C to +100°C

CONSTRUCTIONAL DETAILS

1. Special fabric layer.
2. Cushion rubber compound.
3. Specially treated & stabilized polyester cord.
4. Fibre-filled base compound.
5. Moulded cogs for better flexibility.



PIX
Power Transmission Solutions

Driving growth!

PIX ARE WORLD LEADERS IN THE
MANUFACTURE OF ADVANCED
TECHNOLOGY BELTS

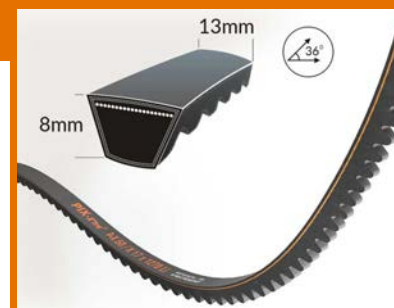
PIX X'TRA A SECTION COGGED CLASSICAL

Useful Information

Maximum recommended belt speed 30m/sec

Belt Length Conversion Factors: Manufacturing Range FROM:

- Lp to La – 14mm
- Li to Lp – 36mm
- Li to La – 50mm
- 21.5 to 200 inches
- 550 to 5000 mm



Nominal Length (How the belt reference is arrived at) –

Inside length (Li) in inches (sizes less than 100" prefixed with zero)

Belt weight per metre (kg): 0.12

Recommended minimum pulley diameter mm: 63

AX Cogged Classical															
Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm
AX021	535	569	583	AX035.5	900	938	952	AX049	1250	1281	1295	AX067	1700	1738	1752
AX022	560	595	609	AX036	914	950	964	AX049.5	1260	1293	1307	AX068	1725	1763	1777
AX023	585	620	634	AX036.5	925	963	977	AX050	1270	1306	1320	AX069	1750	1789	1803
AX023.5	600	633	647	AX037	940	976	990	AX050.5	1285	1319	1333	AX070	1775	1814	1828
AX024	610	646	660	AX037.5	950	989	1003	AX051	1300	1331	1345	AX071	1800	1839	1853
AX024.5	620	658	672	AX038	965	1001	1015	AX051.5	1310	1344	1358	AX072	1830	1865	1879
AX025	635	671	685	AX038.5	975	1014	1028	AX052	1320	1357	1371	AX073	1854	1890	1904
AX025.5	650	684	698	AX039	990	1027	1041	AX052.5	1335	1370	1384	AX074	1880	1916	1930
AX026	660	696	710	AX039.5	1000	1039	1053	AX053	1350	1382	1396	AX075	1900	1941	1955
AX026.5	675	709	723	AX040	1016	1052	1066	AX053.5	1360	1395	1409	AX076	1930	1966	1980
AX027	686	722	736	AX040.5	1030	1065	1079	AX054	1375	1408	1422	AX077	1956	1992	2006
AX027.5	700	735	749	AX041	1041	1077	1091	AX054.5	1384	1420	1434	AX078	1980	2017	2031
AX028	710	747	761	AX041.5	1050	1090	1104	AX055	1400	1433	1447	AX079	2000	2043	2057
AX028.5	725	760	774	AX042	1065	1103	1117	AX055.5	1410	1446	1460	AX080	2032	2068	2082
AX029	735	773	787	AX042.5	1080	1116	1130	AX056	1422	1458	1472	AX081	2060	2093	2107
AX029.5	750	785	799	AX043	1090	1128	1142	AX056.5	1435	1471	1485	AX082	2083	2119	2133
AX030	760	798	812	AX043.5	1105	1141	1155	AX057	1450	1484	1498	AX083	2100	2144	2158
AX030.5	775	811	825	AX044	1120	1154	1168	AX058	1475	1509	1523	AX084	2134	2170	2184
AX031	790	823	837	AX044.5	1130	1166	1180	AX058.5	1486	1522	1536	AX084.5	2150	2182	2196
AX031.5	800	836	850	AX045	1143	1179	1193	AX059	1500	1535	1549	AX085	2160	2195	2209
AX032	815	849	863	AX045.5	1155	1192	1206	AX060	1525	1560	1574	AX086	2184	2220	2234
AX032.5	825	862	876	AX046	1168	1204	1218	AX061	1550	1585	1599	AX086.5	2200	2233	2247
AX033	840	874	888	AX046.5	1180	1217	1231	AX062	1575	1611	1625	AX088	2240	2271	2285
AX033.5	850	887	901	AX047	1190	1230	1244	AX063	1600	1636	1650	AX089	2260	2297	2311
AX034	865	900	914	AX047.5	1200	1243	1257	AX064	1625	1662	1676	AX090	2286	2322	2336
AX034.5	875	912	926	AX048	1220	1255	1269	AX065	1650	1687	1701	AX095	2413	2449	2463
AX035	890	925	939	AX048.5	1230	1268	1282	AX066	1676	1712	1726	AX162	4115	4151	4165

Other sizes available to special order – please speak to our sales team for a quotation.

PIX X'TRA B SECTION COGGED CLASSICAL

Useful Information

Maximum recommended belt speed 30m/sec

Belt Length Conversion Factors: Manufacturing Range FROM:

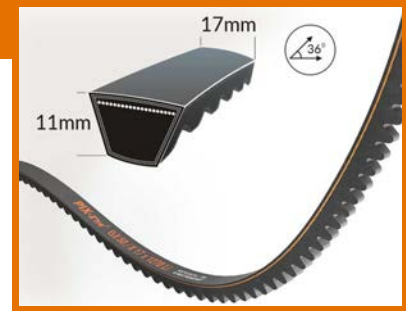
Lp to La – 26mm

• 21.5 to 200 inches

Li to Lp – 43mm

• 550 to 5000 mm

Li to La – 69mm



Nominal Length (How the belt reference is arrived at) –

Inside length (Li) in inches (sizes less than 100" prefixed with zero)

Belt weight per metre (kg): 0.19

Recommended minimum pulley diameter mm: 90

BX Cogged Classical															
Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm
BX023	585	627	653	BX038	965	1008	1034	BX053	1350	1389	1415	BX081	2060	2100	2126
BX023.5	600	640	666	BX038.5	975	1021	1047	BX053.5	1360	1402	1428	BX082	2083	2126	2152
BX024	610	653	679	BX039	990	1034	1060	BX054	1375	1415	1441	BX083	2100	2151	2177
BX024.5	620	665	691	BX039.5	1000	1046	1072	BX055	1400	1440	1466	BX083.5	2120	2164	2190
BX025	635	678	704	BX040	1016	1059	1085	BX056	1422	1465	1491	BX084	2134	2177	2203
BX025.5	650	691	717	BX040.5	1030	1072	1098	BX057	1450	1491	1517	BX085	2160	2202	2228
BX026	660	703	729	BX041	1041	1084	1110	BX058	1475	1516	1542	BX086	2184	2227	2253
BX026.5	675	716	742	BX041.5	1050	1097	1123	BX059	1500	1542	1568	BX086.5	2200	2240	2266
BX027	686	729	755	BX042	1065	1110	1136	BX060	1525	1567	1593	BX087	2210	2253	2279
BX027.5	699	742	768	BX042.5	1080	1123	1149	BX061	1550	1592	1618	BX088	2240	2278	2304
BX028	710	754	780	BX043	1090	1135	1161	BX062	1575	1618	1644	BX089	2260	2304	2330
BX028.5	725	767	793	BX043.5	1105	1148	1174	BX063	1600	1643	1669	BX090	2286	2329	2355
BX029	735	780	806	BX044	1120	1161	1187	BX064	1625	1669	1695	BX091	2311	2354	2380
BX029.5	750	792	818	BX044.5	1130	1173	1199	BX065	1650	1694	1720	BX093	2360	2405	2431
BX030	760	805	831	BX045	1143	1186	1212	BX066	1676	1719	1745	BX094	2388	2431	2457
BX030.5	775	818	844	BX045.5	1155	1199	1225	BX067	1700	1745	1771	BX095	2413	2456	2482
BX031	790	830	856	BX046	1168	1211	1237	BX068	1725	1770	1796	BX096	2438	2481	2507
BX031.5	800	843	869	BX046.5	1180	1224	1250	BX069	1750	1796	1822	BX097	2464	2507	2533
BX032	815	856	882	BX047	1190	1237	1263	BX070	1775	1821	1847	BX098	2500	2532	2558
BX032.5	825	869	895	BX047.5	1200	1250	1276	BX071	1800	1846	1872	BX100	2540	2583	2609
BX033	840	881	907	BX048	1220	1262	1288	BX071.5	1815	1859	1885	BX102	2591	2634	2660
BX033.5	850	894	920	BX048.5	1230	1275	1301	BX072	1830	1872	1898	BX105	2667	2710	2736
BX034	865	907	933	BX049	1250	1288	1314	BX073	1854	1897	1923	BX106	2700	2735	2761
BX034.5	875	919	945	BX049.5	1260	1300	1326	BX074	1880	1923	1949	BX107	2725	2761	2787
BX035	890	932	958	BX050	1270	1313	1339	BX075	1900	1948	1974	BX108	2750	2786	2812
BX035.5	900	945	971	BX050.5	1285	1326	1352	BX076	1930	1973	1999	BX120	3050	3091	3117
BX036	914	957	983	BX051	1300	1338	1364	BX077	1956	1999	2025	BX122	3100	3142	3168
BX036.5	925	970	996	BX051.5	1310	1351	1377	BX078	1980	2024	2050	BX134	3400	3447	3473
BX037	940	983	1009	BX052	1320	1364	1390	BX079	2000	2050	2076				
BX037.5	950	996	1022	BX052.5	1335	1377	1403	BX080	2032	2075	2101				

Other sizes available to special order – please speak to our sales team for a quotation.

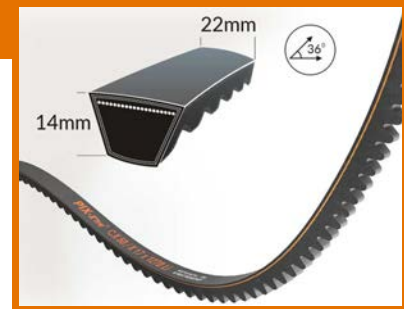
PIX X'TRA C SECTION COGGED CLASSICAL

Useful Information

Maximum recommended belt speed 30m/sec

Belt Length Conversion Factors: **Manufacturing Range FROM:**

- Lp to La – 32mm
- Li to Lp – 56mm
- Li to La – 88mm
- 23.5 to 200 inches
- 600 to 5000 mm



Nominal Length (How the belt reference is arrived at) –

Inside length (Li) in inches (sizes less than 100" prefixed with zero)

Belt weight per metre (kg): 0.32

Recommended minimum pulley diameter mm: 140

CX Cogged Classical															
Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm
CX039	990	1047	1079	CX055	1400	1453	1485	CX068	1725	1783	1815	CX081	2060	2113	2145
CX042	1065	1123	1155	CX059	1500	1555	1587	CX071	1800	1859	1891	CX085	2160	2215	2247
CX043	1090	1148	1180	CX062	1575	1631	1663	CX075	1900	1961	1993	CX098	2500	2545	2577
CX052	1320	1377	1409	CX067	1700	1758	1790	CX079	2000	2063	2095	CX107	2725	2774	2806

Other sizes available to special order – please speak to our sales team for a quotation.

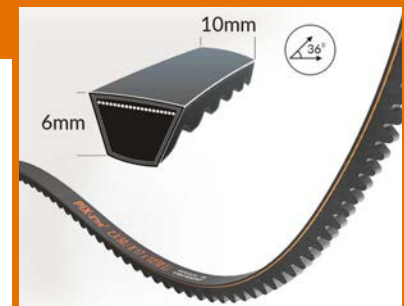
PIX X'TRA Z SECTION COGGED CLASSICAL

Useful Information

Maximum recommended belt speed 30m/sec

Belt Length Conversion Factors: **Manufacturing Range FROM:**

- Lp to La – 16mm
- Li to Lp – 22mm
- Li to La – 38mm
- 21.5 to 200 inches
- 500 to 5000 mm



Nominal Length (How the belt reference is arrived at) –

Inside length (Li) in inches (sizes less than 100" prefixed with zero)

Belt weight per metre (kg): 0.05

Recommended minimum pulley diameter mm: 40

ZX Cogged Classical															
Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm	Belt Ref	Inside Length mm	Pitch Length Lp mm	Outer Length La mm
ZX024	610	632	648	ZX031.5	800	822	838	ZX039	990	1013	1029	ZX049	1250	1267	1283
ZX025	635	657	673	ZX032	815	835	851	ZX039.5	1000	1025	1041	ZX050	1270	1292	1308
ZX025.5	650	670	686	ZX033	840	860	876	ZX040	1016	1038	1054	ZX051	1300	1317	1333
ZX026	660	682	698	ZX033.5	850	873	889	ZX040.5	1030	1051	1067	ZX053	1350	1368	1384
ZX027	686	708	724	ZX034	865	886	902	ZX041	1041	1063	1079	ZX053.5	1360	1381	1397
ZX028	710	733	749	ZX035	890	911	927	ZX042	1065	1089	1105	ZX054	1375	1394	1410
ZX028.5	725	746	762	ZX035.5	900	924	940	ZX043	1090	1114	1130	ZX055	1400	1419	1435
ZX029	735	759	775	ZX036	914	936	952	ZX044	1120	1140	1156	ZX056	1422	1444	1460
ZX029.5	750	771	787	ZX036.5	925	949	965	ZX045	1143	1165	1181	ZX056.5	1435	1457	1473
ZX030	760	784	800	ZX037	940	962	978	ZX045.5	1155	1178	1194	ZX058	1475	1495	1511
ZX030.5	775	797	813	ZX038	965	987	1003	ZX046	1168	1190	1206	ZX082	2083	2105	2121
ZX031	790	809	825	ZX038.5	975	1000	1016	ZX047	1190	1216	1232				

Other sizes available to special order – please speak to our sales team for a quotation.

WWW.DISTAG.COM
Get in touch

TULLOW
Distag QCS LTD

Tullow Industrial Estate
Bunclody Rd
Tullow, Co.Carlow
IRELAND
R93 V585

Tel: +353 (0)59 915 1626
Fax: +353 (0)59 915 1264
Email: sales@distag.com

IPSWICH
Distag QCS (UK) LTD

Unit 24
Farthing Road Ind.Est.
Sproughton, Ipswich
Suffolk, UK
IP1 5AP

Tel: +44 (0)1473 744 612
Fax: +44 (0)1473 744 613
Email: info@distag.com

DUNGANNON
Distag QCS (UK) LTD

11 Cookstown Rd
Dungannon
Northern Ireland
BT71 4BB

Tel: +44 (0) 28 92 633380
Fax: +44 (0) 28 92 607231
Email: NIsales@distag.com