

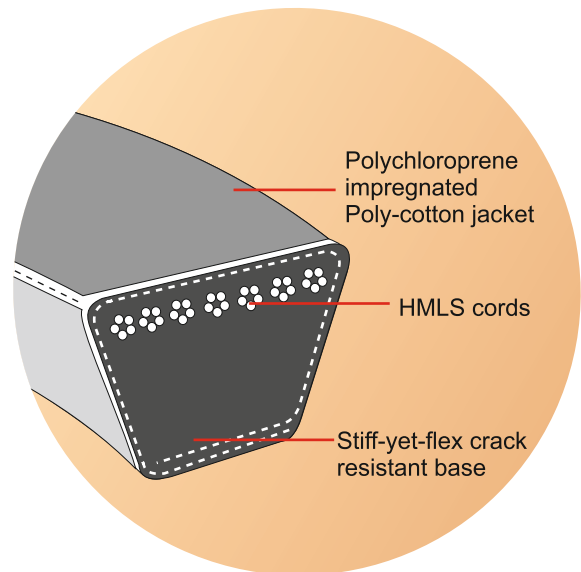


Classical Wrapped Belts

Fenner Poly-F Plus PB Belts are built to the highest standards from the best materials available using state-of-the-art manufacturing processes and conform to IS2494 (Part 1) and BS3790.

Construction & Features

- **Specially designed Polyester-cotton blended fabric jacket impregnated with Polychloroprene synthetic rubber** - imparts superior flexibility, better traction, flex and wear resistance. This makes the belts oil and heat resistant as well as antistatic.
- **The High Modulus Low Stretch HMLS Polyester cords** enable the belts to carry higher horse power loads with minimum stretch resulting in better belt stability and fewer take-up adjustments.
- **Stiff-yet-flex-crack-resistant base made out of specially compounded Polymers** ensures uniform load transfer to cords preventing power loss and premature belt failure.
- **Poly F Plus PB belts are 'Precision Built' and subject to precise length stability** and hence, no need for matching of belts.





- **The unique 'HSS' process of Heat Stretching and Length Stabilising** ensures that belts retain the tension and stay matched not only in storage but more significantly 'on the drive', resulting in uniform loading and maximum life.
- **Poly - F Plus PB belts require only One shot Tensioning**
 - so fit and forget about belt re-tensioning

All these features make Fenner Poly -F Plus PB a belt that outlasts any other belt. This means,

- reduced down time
- increased productivity and thus - increased profits.

Poly- F Plus PB's superior performance vis-a-vis other belts has been conclusively proven in Test Rig Runs as well as Field Trials.

The importance of Even Belt Loading & the 'PB' advantage

If the belts on a multiple belt drive are not of the same length, shorter belts would be under tension and bear the entire load while the longer ones run slack and contribute little to the power transmission. The drive is therefore under belted in effect and would result in short belt life as shown in Table - 1, even though the drive was properly designed and apparently installed correctly. This problem of slight variation in length was inherent

even amongst a group of belts which were nominally of the same length. This was due to the nature of material - textiles and polymers used and the technology adopted.

Fenner was the first to introduce 'PB' Precision Built V-Belts and this problem was completely eliminated.

These belts of superior length stability, evenly tensioned, take higher loads for longer periods resulting in maximum belt life.

Table -1: Effects of underbelting

No. of V - Belts	Percent life
10 Normal number of V-Belts	100
9	70
8	45
7	28
6	17

"One Shot" Tensioning

Poly - F Plus PB Belts are built right from the start to ensure totally precise inherent length, to stay matched during storage and on the drive making "one-shot" tensioning a reality endorsed by satisfied customers.

Put the belts around the pulleys, set them to the appropriate tension value stated in the "Tensioning Forces" Table 2 in page no. 9, using the Belt tension indicator as shown. Run the drive under load for 30 minutes, stop the drive, check the tension, re-setting to catalogue value if necessary. On a properly designed drive for the application there will be no need for any further attention during the life of the drive.

Section A			
Size	Pitch Length(mm)	Size	Pitch Length(mm)
A19	520	A73	1890
A20	540	A74	1910
A21	570	A75	1940
A22	590	A76	1960
A23	620	A77	1990
A24	640	A78	2010
A25	670	A79	2040
A26	690	A80	2070
A27	720	A81	2090
A28	740	A82	2120
A29	770	A83	2140
A30	800	A84	2170
A31	820	A85	2190
A32	850	A86	2220
A33	870	A87	2240
A34	900	A88	2270
A35	920	A89	2290
A36	950	A90	2320
A37	970	A91	2340
A38	1000	A92	2370
A39	1020	A93	2400
A40	1050	A94	2420
A41	1070	A95	2450
A42	1100	A96	2470
A43	1130	A98	2520
A44	1150	A100	2570
A45	1180	A105	2700
A46	1200	A108	2780
A47	1230	A110	2830
A48	1250	A112	2880
A49	1280	A115	2950
A50	1300	A116	2980
A51	1330	A118	3030
A52	1350	A120	3080
A53	1380	A124	3180
A54	1400	A125	3210
A55	1430	A128	3280
A56	1460	A130	3340
A57	1480	A134	3440
A58	1510	A136	3490
A59	1530	A140	3590
A60	1560	A144	3690
A61	1580	A158	4050
A62	1610	A160	4100
A63	1630	A162	4150
A64	1660	A168	4300
A65	1680	A173	4430
A66	1710	A174	4450
A67	1730	A18 0	4610
A68	1760		
A69	1790		
A70	1810		
A71	1840		
A72	1860		

Section B			
Size	Pitch Length(mm)	Size	Pitch Length(mm)
B20	550	B78	2020
B21	580	B79	2050
B22	600	B80	2080
B23	630	B81	2100
B24	650	B82	2130
B25	680	B83	2150
B26	700	B84	2180
B27	730	B85	2200
B28	750	B86	2230
B29	780	B87	2250
B30	810	B88	2280
B31	830	B89	2300
B32	860	B90	2330
B33	880	B91	2350
B34	910	B92	2380
B35	930	B93	2410
B36	960	B94	2430
B37	980	B95	2460
B38	1010	B96	2480
B39	1030	B97	2510
B40	1060	B98	2530
B41	1080	B100	2580
B42	1110	B102	2630
B43	1140	B104	2680
B44	1160	B105	2710
B45	1190	B108	2790
B46	1210	B110	2840
B47	1240	B112	2890
B48	1260	B115	2960
B49	1290	B116	2990
B50	1310	B118	3040
B51	1340	B120	3090
B52	1360	B122	3140
B53	1390	B124	3200
B54	1410	B128	3290
B55	1440	B130	3350
B56	1470	B132	3400
B57	1490	B134	3450
B58	1520	B136	3500
B59	1540	B140	3600
B60	1570	B142	3650
B61	1590	B144	3700
B62	1620	B146	3750
B63	1640	B148	3800
B64	1670	B150	3850
B65	1690	B152	3900
B66	1720	B156	4010
B67	1740	B158	4060
B68	1770	B162	4160
B69	1800	B168	4310
B70	1820	B169	4340
B71	1850	B173	4440
B72	1870	B180	4620
B73	1900	B190	4870
B74	1920	B195	5000
B75	1950	B210	5380
B76	1970	B238	6090
B77	2000	B275	7030

Section C			
Size	Pitch Length(mm)	Size	Pitch Length(mm)
C36	970	C116	3000
C37	1000	C118	3050
C38	1020	C120	3100
C39	1050	C124	3210
C40	1070	C126	3260
C41	1100	C128	3310
C42	1120	C130	3360
C43	1150	C136	3510
C44	1170	C140	3610
C45	1200	C144	3710
C46	1220	C150	3870
C47	1250	C152	3920
C48	1280	C158	4070
C49	1300	C162	4170
C50	1330	C173	4450
C51	1350	C180	4630
C52	1380	C185	4760
C53	1400	C190	4880
C54	1430	C195	5010
C55	1450	C204	5240
C56	1480	C210	5390
C57	1500	C225	5770
C58	1530	C238	6100
C59	1550	C268	6860
C60	1580	C298	7630
C61	1610	C328	8390
C62	1630	C358	9150
C63	1660	C418	10670
C64	1680		
C65	1710		
C66	1730		
C67	1760		
C68	1780		
C69	1810		
C70	1830		
C71	1860		
C72	1880		
C73	1910		
C74	1940		
C75	1960		
C76	1990		
C77	2010		
C78	2040		
C79	2060		
C80	2090		
C81	2110		
C85	2220		
C90	2340		
C93	2420		
C96	2490		
C100	2600		
C105	2720		
C108	2800		
C112	2900		

Section D	
Size	Pitch Length(mm)
D75	1990
D88	2320
D90	2370
D95	2500
D120	3130
D128	3330
D144	3740
D158	4100
D162	4200
D173	4480
D180	4650
D195	5040
D204	5260
D210	5420
D238	6130
D268	6890
D298	7650
D314	8060
D328	8410
D358	9180
D390	9990
D418	10700
D450	11510
D478	12220
D538	13750
D598	15270

Section E	
Size	Pitch Length(mm)
E180	4660
E195	5040
E210	5420
E238	6100
E268	6850
E298	7650
E328	8430
E358	9150
E394	10100
E418	10710
E478	12230
E538	13750
E598	15280