

BANFLEX

Features common to Banflescrum and Banflex

▪ High-speed and smooth power transmission

The high accuracy of the belt cross-section and effective length and no variation of belt sink on the pulleys allow high-speed smooth power transmission close to flat belts.

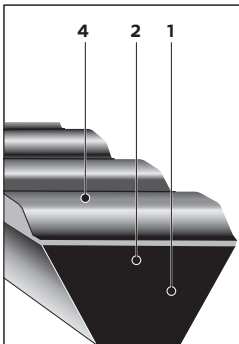
Although the previous V-belts can be used up to 30 to 40 m/s, Banflescrum can be designed to be used with a speed up to 60 m/s.

▪ Lightweight and compact design

It can be used with small pulley diameters, allows for a high speed ratio, and allows the power transmission system to be light and compact. For example, a device that had used two-stage deceleration with V-belts can be changed to one stage deceleration.



Structure



1. Compression rubber

- Polyurethane rubber with excellent abrasion resistance and large friction factor and allowable compression stress
- 60° belt angle that gives uniform load distribution

2. Cord

Polyester cord with a large tensile strength, little flex fatigue, and little permanent elongation

3. Reinforcing canvas

Polyamide fiber that increases the widthwise rigidity and surest stable running

4. Back face rib

Unique ribs that reduce bending stress

Note

- When you use multiple Banflex belts, be sure to use the Scrum type
- To provide the dynamic performance of the belt, a "lubricant" is compounded in the belt. This compounding ingredient may become deposited in white on the belt surface due to changes in ambient temperature etc. or may become slightly wet due to a liquid. This will be absorbed into the belt with time and is no abnormality.

Banflex standard length

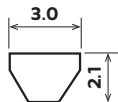
■ Belt indication method

5M - 1000

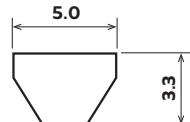
Nominal length (1000 mm)
Belt type (Type 5M)

■ Cross-sectional profile of Banflex belt

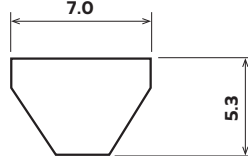
3M



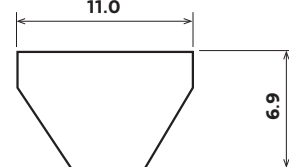
5M



7M



11M



■ Standard effective lengths (Banflex)

(Unit: mm)

3M				5M				7M				11M			
Nominal length	Pitch length	Nominal length	Pitch length	Nominal length	Pitch length	Nominal length	Pitch length	Nominal length	Pitch length	Nominal length	Pitch length	Nominal length	Pitch length	Nominal length	Pitch length
180	178	437	435	280	278	670	668	500	496	1220	1216	710	703	1750	1743
185	183	450	448	290	288	690	688	515	511	1250	1246	730	723	1800	1793
190	188	462	460	300	298	710	708	530	526	1280	1276	750	743	1850	1843
195	193	475	473	307	305	730	728	545	541	1320	1316	775	768	1900	1893
200	198	487	485	315	313	750	748	560	556	1360	1356	800	793	1950	1943
206	204	500	498	325	323	775	773	580	576	1400	1396	825	818	2000	1993
212	210	515	513	335	333	800	798	600	596	1450	1446	850	843	2060	2053
218	216	530	528	345	343	805	803	615	611	1500	1496	875	868	2120	2113
224	222	545	543	355	353	825	823	630	626	1550	1546	900	893	2180	2173
230	228	560	558	365	363	850	848	650	646	1600	1596	925	918	2240	2233
236	234	580	578	375	373	875	873	670	666	1650	1646	950	943	2300	2293
243	241	600	598	387	385	900	898	690	686	1700	1696	975	968		
250	248	615	613	400	398	925	923	710	706	1750	1746	1000	993		
258	256	630	628	412	410	950	948	730	726	1800	1796	1030	1023		
265	263	650	648	425	423	975	973	750	746	1850	1846	1060	1053		
272	270	670	668	437	435	1000	998	775	771	1900	1896	1090	1083		
280	278	690	688	450	448	1030	1028	800	796	1950	1946	1120	1113		
290	288	710	708	462	460	1060	1058	825	821	2000	1996	1150	1143		
300	298	730	728	475	473	1090	1088	850	846	2060	2056	1180	1173		
307	305	750	748	487	485	1120	1118	875	871	2120	2116	1220	1213		
315	313			500	498	1150	1148	900	896	2180	2176	1250	1243		
325	323			515	513	1180	1178	925	921	2240	2236	1280	1273		
335	333			518	516	1220	1218	950	946	2300	2296	1320	1313		
345	343			530	528	1250	1248	975	971			1360	1353		
355	353			545	543	1280	1278	1000	996			1400	1393		
365	363			560	558	1320	1318	1030	1026			1450	1443		
375	373			580	578	1360	1358	1060	1056			1500	1493		
387	385			600	598	1400	1398	1090	1086			1550	1543		
400	398			615	613	1450	1448	1120	1116			1600	1593		
412	410			630	628	1500	1498	1150	1146			1650	1643		
425	423			650	648	1850	1848	1180	1176			1700	1693		