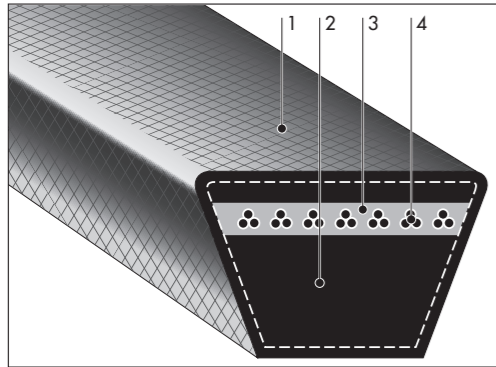


1. V-Belt (Red Standard) Product Introduction

Structure



① Cover fabric

The cover fabric has a sufficient abrasion resistance to friction with the pulleys and is made of a strong, elastic, and bias special cloth. The further reinforcement with the abrasion-resistant rubber protects the inside sufficiently.

② Compression rubber

It keeps the normal belt cross-sectional profile, has extremely little heat generation against bending, and is very flexible.

③ Adhesion rubber

While it maintains the cord layer at an appropriate position, it also improves the adhesion between the cord layer and the rubber layer.

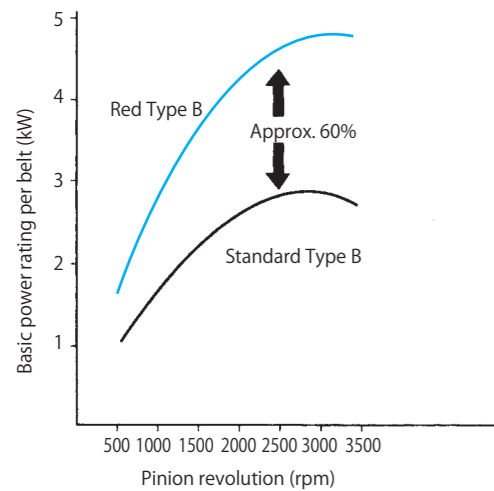
④ Cord

It is the main part that transmits power and uses a polyester cord that has a high strength, has little elongation, and has little flex fatigue. It strongly adheres to and is integrated with the rubber layer; hence, in power transmission, each cord receives uniform force and can perform stable power transmission.

Features/Red

■ High-quality and high-power-transmission V-belt

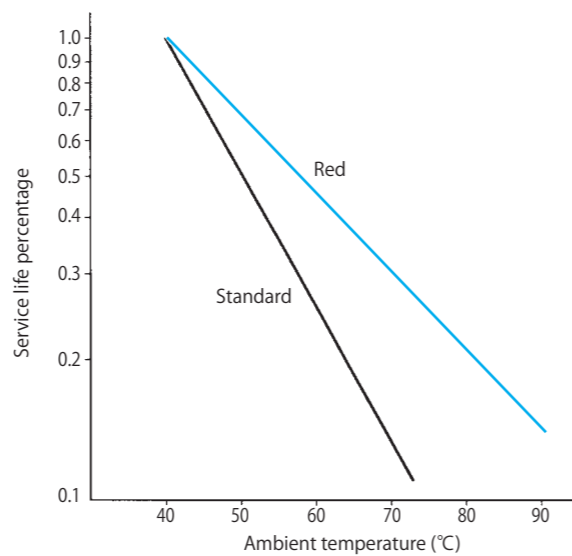
It employs polyester cords that are strong and have little elongation and a synthetic rubber compound, and has about 60% higher power than the previous Standard.



This graph plots the transmission power per belt as compared to revolution when a Type-B 125-mm-dia. pulley is used.

■ Excellent heat resistance

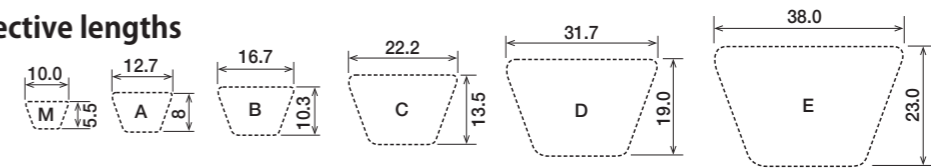
Generally, when the ambient temperature increases, the belt service life decreases as shown in the graph below. However, Bando Red has a lower reduction rate than Standard; hence, when the ambient temperature is high (normally 60 °C or more), it is recommended to use Bando Red.



■ Excellent flame resistance.

Because it does not have a self-burning property, the risk of ignition due to excessive slipping is low.

Table of effective lengths



Manufacturable range for Standard *: Standard dimension prescribed in JIS
 Manufacturable range for Red ○: Bando's standard dimension
 Effective dimension: Represents effective outside length for Type M and effective pitch length for Types A, B, C, D, and E.

Nominal No.	Effective dimension (mm)	Belt type					
		M	A	B	C	D	E
11	279						
12	305						
13	330						
14	356						
15	381						
16	406						
17	432						
18	457						
19	483						
20	508						
21	533						
22	559						
23	584						
24	610						
25	635						
26	660						
27	686						
28	711						
29	737						
30	762						
31	787						
32	813						
33	838						
34	864						
35	889						
36	914						
37	940						
38	965						
39	991						
40	1016						
41	1041						
42	1067						
43	1092						
44	1118						
45	1143						
46	1168						
47	1194						
48	1219						
49	1245						
50	1270						
51	1295						
52	1321						
53	1346						
54	1372						
55	1397						
56	1422						
57	1448						
58	1473						
59	1499						
60	1524						
61	1549						
62	1575						
63	1600						
64	1626						
65	1651						
66	1676						
67	1702						
68	1727						
69	1753						
70	1778						
71	1803						
72	1829						
73	1854						

Nominal No.	Effective dimension (mm)	Belt type					
		M	A	B	C	D	E
74	1880						
75	1905						
76	1930						
77	1956						
78	1981						
79	2007						
80	2032						
81	2057						
82	2083						
83	2108						
84	2134						
85	2159						
86	2184						
87	2210						
88	2235						
89	2261						
90	2286						
91	2311						
92	2337						
93	2362						
94	2388						
95	2413						
96	2438						
97	2464						
98	2489						
99	2515						
100	2540						
101	2565						
102	2591						
103	2616						
104	2642						
105	2667						
106	2692						
107	2718						
108	2743						
109	2769						
110	2794						
111	2819						
112	2845						
113	2870						
114	2896						
115	2921						
116	2946						
117	2972						
118	2997						
119	3023						
120	3048						
121	3073						
122	3099						
123	3124						
124	3150						
125	3175						
126	3200						
127	3226						
128	3251						
129	3277						
130	3302						
131	3327						
132	3353						
133	3378						
134	3404						
135	3429						
136	3454						

