

Speed Change Belt **BELT**



The following three types of belt are used in the belt speed changers:

Wide-width Speed Change Belt

This type is dedicated to speed changes. The inner side of it has a cog shape to increase its flexuosity. The speed changer is made compact to increase the speed change ratio.

Double Cog Belt

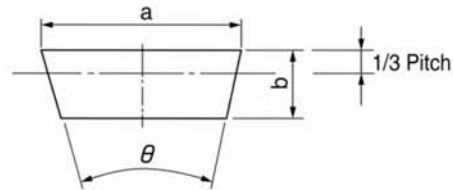
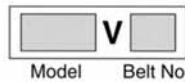
The double-cog shape is used to achieve a high transmission ability and high flexuosity.

Standard V-belts

JIS standard compliant products Models M, A, B, C, (D) and (E).

Design Check Items

Ordering Information: Specify



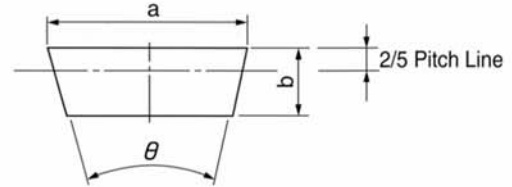
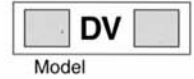
Model	1022V			1422V			1922V			2322V			2926V			4430V			4836V			6236V			7636V		
a	16			22			30			36.5			46			70			76			100			120		
b	6			8			11			12			14			17			22			26			35		
θ°	22°			22°			22°			22°			26°			30°			38°			38°			38°		
	Belt No.	Peri- pheral Length	Pitch Circum- ference	Belt No.	Peri- pheral Length	Pitch Circum- ference	Belt No.	Peri- pheral Length	Pitch Circum- ference	Belt No.	Peri- pheral Length	Pitch Circum- ference	Belt No.	Peri- pheral Length	Pitch Circum- ference	Belt No.	Peri- pheral Length	Pitch Circum- ference	Belt No.	Peri- pheral Length	Pitch Circum- ference	Belt No.	Peri- pheral Length	Pitch Circum- ference	Belt No.	Peri- pheral Length	Pitch Circum- ference
	178	465	448	210	532	515	256	671	649	341	866	841	471	1219	1191	510	1321	1283	850	2178	2132	969	2501	2447	1127	2860	2786
	185	470	457	220	560	543	277	716	694	364	945	920	491	1270	1241	548	1410	1372	909	2328	2282						
	192	484	471	236	600	584	282	737	715	381	972	948	521	1346	1318	555	1435	1397									
	196	513	501	240	625	608	292	773	750	387	984	959	546	1410	1382	578	1499	1461									
	220	560	548	255	648	631	298	785	764	396	1030	1005	574	1481	1453	610	1575	1537									
	223	577	564	258	660	643	317	805	784	421	1090	1065	586	1511	1483	630	1626	1588									
	228	592	579	266	680	663	321	838	817	441	1146	1121	606	1562	1534	660	1702	1664									
	247	628	615	270	700	681	325	827	806	481	1250	1225	616	1608	1580	670	1727	1689									
	295	749	737	290	752	735	338	880	859	521	1341	1316	636	1636	1608	690	1778	1740									
				300	780	764	355	923	902	541	1400	1375	646	1664	1636	700	1803	1765									
				325	840	823	363	942	921	601	1554	1529	666	1714	1686	730	1880	1842									
				330	855	838	381	986	964	621	1600	1575	686	1765	1737	740	1905	1867									
				340	879	863	386	998	976	661	1712	1687	706	1816	1788	790	2032	1994									
				359	912	895	403	1052	1030	681	1748	1732	726	1867	1839	850	2184	2146									
				360	932	916	417	1080	1058	721	1864	1839	786	2019	1991	910	2337	2299									
				380	981	964	426	1102	1080	801	2068	2043	856	2195	2167	970	2489	2451									
				400	1036	1020	443	1145	1124	1001	2576	2551	906	2324	2295	1030	2642	2604									
				420	1087	1071	454	1173	1151				1006	2578	2550	1090	2794	2756									
				466	1194	1178	484	1250	1228				1086	2784	2756	1150	2946	2908									
				480	1237	1221	526	1354	1332							1320	3378	3340									
				540	1392	1376	544	1400	1378							1410	3607	3569									
				600	1542	1526	604	1554	1532							1610	4115	4077									
				720	1846	1830	646	1661	1639																		
				780	1999	1983	666	1712	1690																		
							686	1760	1738																		
							751	1925	1903																		
							756	1941	1919																		
							846	2169	2147																		
Unit Mass (kg/m)	0.12			0.23			0.43			0.57			0.84			1.56			2.03			2.72			4.65		

※Mass [kg] = Unit mass [kg/m] × peripheral length of belt [m]



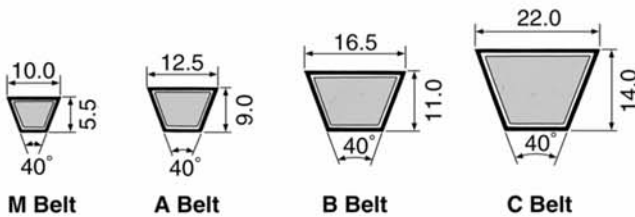
Double Cog Belt

■ Ordering Information: Specify



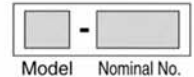
Model	Peripheral Length	Pitch Circumference	a	b	θ°	Unit Mass [kg/m]
1422DV255K	648	613	24	14	24	0.30
1422DV278	708	673	24	14	24	0.30
1422DV314	798	763	24	14	24	0.30
1422DV314K	798	763	24	14	24	0.30
1922DV381	968	933	33	14	24	0.46
2322DV364	955	925	38	12	24	0.60
2322DV454	1155	1110	39	18	24	0.60
2926DV490	1246	1196	46	20	26	0.87
2926DV616	1608	1558	46	20	28	0.87
4430DV548	1433	1378	70	22	32	1.80
4430DV548K	1433	1378	70	26	32	1.80
4430DV850	2184	2119	70	26	32	1.80
4430DV970K	2506	2441	70	26	32	1.80
4836DV642K	1678	1623	76	22	38	2.12
4836DV909K	2358	2283	76	30	38	2.12
6236DV830K	2163	2098	100	26	38	2.84
6236DV969K	2514	2439	101	30	38	2.84

※Mass [Kg] = Unit mass [kg/m] × peripheral length of belt [m]



Model	M	A	B	C
Unit Mass [kg/m]	0.07	0.12	0.20	0.37

■ Ordering Information: Specify



Nominal No.	mm	Nominal No.	mm	Nominal No.	mm	Nominal No.	mm	Nominal No.	mm	Nominal No.	mm	Nominal No.	mm	Nominal No.	mm
21	533	31	787	41	1041	51	1295	61	1549	71	1803	81	2057	91	2311
22	559	32	813	42	1067	52	1321	62	1575	72	1829	82	2083	92	2337
23	584	33	838	43	1092	53	1346	63	1600	73	1854	83	2108	93	2362
24	610	34	864	44	1118	54	1372	64	1626	74	1880	84	2134	94	2388
25	635	35	889	45	1143	55	1397	65	1651	75	1905	85	2159	95	2413
26	660	36	914	46	1168	56	1422	66	1676	76	1930	86	2184	96	2438
27	686	37	940	47	1194	57	1448	67	1702	77	1956	87	2210	97	2464
28	711	38	965	48	1219	58	1473	68	1727	78	1981	88	2235	98	2489
29	737	39	991	49	1245	59	1499	69	1753	79	2007	89	2261	99	2515
30	762	40	1016	50	1270	60	1524	70	1778	80	2032	90	2286	100	2540

※Mass [Kg] = Unit mass [kg/m] × peripheral length of belt [m]