المصنع السعودي للسيور
Saudi V-Belt Industries

INDUSTRIAL POWER SOLUTIONS

Unique Engineering and Production to meet specific demands.

Drive Solutions with SAUDI BELTS

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Saudi V-belt Industries

Who we are:

Saudi V Belt Industries (SBI) is the first Saudi factory engaged in the manufacturing and supply of high quality precision V Belts for various Industrial and commercial uses.
SVBI produces v belts using German machinery, technology and process to manufacture high quality v belts to international quality standards such as BS 3790, DIN 7753, DIN 2215, DIN 2211, DIN 2217, ISO 4183, ISO 4184 and USA RMA / MPTA.

Our technology partners have been in the business of manufacturing V Belts for over 40 years and our Technical Director from the technology partners is resident in KSA to ensure that all products are manufactured to highest quality standards.

Vision

To become the number one manufacturer and supplier of quality industrial v belts in the MENA Region.

Mission

Our mission is to consistently produce and deliver top quality products, tailor made to Customer Specifications, on time and every time, defect free and at competitive prices ensuring high customer satisfaction repeatedly.

INDUSTRY SEGMENTS THAT WE SERVE:

1. Petrochemical and Refinery Industry.
2. Cement Industry
3. Steel Industry
4. Crushers
5. Air conditioners Manufacturers.
6. Electric Cable Manufacturers.
7. Automobile Industry (Cars, Buses, Trucks and Heavy Duty or Special Purpose Vehicles)
8. Food Industry
9. Paper and Cardboard Manufacturers, Convertors.
10. Agriculture Equipments and Machinery
11. General Industry with Automated Plant and Machinery
12. Paints and Chemicals Industry

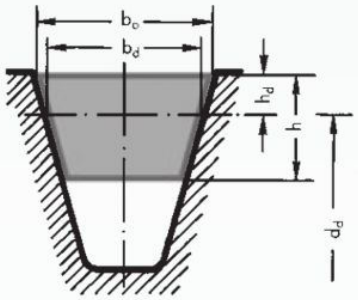
Our Products

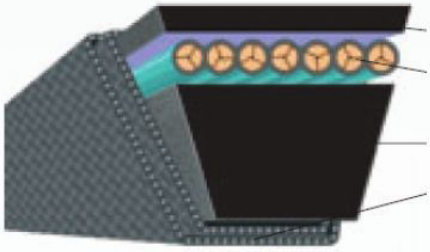
(SBI) have a wide range of products that can cover almost all the needs for all the machines and the equipments that may need a belt.

From technical aspect we produce all kinds of V-Belts Covering all sections like:

1. V-BELTS

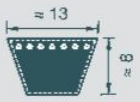
I. Classic V-Belt



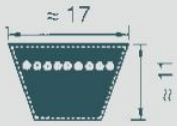


Classical V-Belt length reference. Inside length in inches.

Section			A	B	C	D	E
Belt top width	b_o	≈ (mm)	13	17	22	32	40
Datum width	bd	≈ (mm)	11	14	19	27	32
Belt height	h	≈ (mm)	8	11	14	19	25
Distance down to datum line	hd	≈ (mm)	3.3	4.2	5.7	8.1	12
Recommended minimum Pulley datum diameter	dd min		71	112	180	355	500
Belt weight(Kg/m)		≈	0.109	0.190	0.324	0.690	0.958
Max. flexing rate (s^{-1})	fB max ≈		80				
Max. belt speed (m/s)	v_{max}	≈	30				
Belt angle			40				



A/13



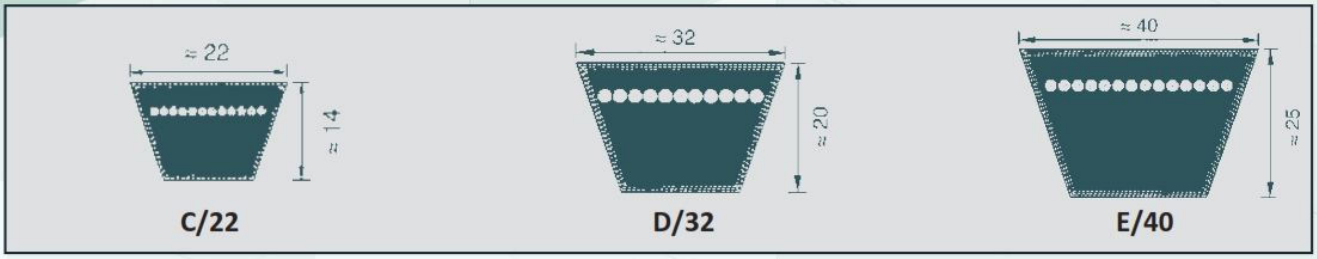
B/17

SECTION A/13

Belt No.	Inside Length (mm)	Belt No.	Inside Length (mm)	Belt No.	Inside Length (mm)
A 16	406	A 59	1499	A 102	2591
A 17	432	A 60	1524	A 103	2616
A 18	457	A 61	1549	A 104	2642
A 19	483	A 62	1575	A 105	2667
A 20	508	A 63	1600	A 106	2692
A 21	533	A 64	1626	A 107	2718
A 22	559	A 65	1651	A 108	2743
A 23	584	A 66	1676	A 109	2769
A 24	610	A 67	1702	A 110	2794
A 25	635	A 68	1727	A 111	2819
A 26	660	A 69	1753	A 112	2845
A 27	686	A 70	1778	A 113	2870
A 28	711	A 71	1803	A 114	2896
A 29	737	A 72	1829	A 115	2921
A 30	762	A 73	1854	A 116	2946
A 31	787	A 74	1880	A 117	2972
A 32	813	A 75	1905	A 118	2997
A 33	838	A 76	1930	A 119	3023
A 34	864	A 77	1956	A 120	3048
A 35	889	A 78	1981	A 121	3073
A 36	914	A 79	2007	A 122	3099
A 37	940	A 80	2032	A 123	3124
A 38	965	A 81	2057	A 124	3150
A 39	991	A 82	2083	A 125	3175
A 40	1016	A 83	2108	A 126	3200
A 41	1041	A 84	2134	A 127	3226
A 42	1067	A 85	2159	A 128	3251
A 43	1092	A 86	2184	A 129	3277
A 44	1118	A 87	2210	A 130	3302
A 45	1143	A 88	2235	↓	↓
A 46	1168	A 89	2261	↓	↓
A 47	1194	A 90	2286	↓	↓
A 48	1219	A 91	2311	↓	↓
A 49	1245	A 92	2337	↓	↓
A 50	1270	A 93	2362	↓	↓
A 51	1295	A 94	2388	↓	↓
A 52	1321	A 95	2413	↓	↓
A 53	1346	A 96	2438	↓	↓
A 54	1372	A 97	2464	↓	↓
A 55	1397	A 98	2489	↓	↓
A 56	1422	A 99	2515	↓	↓
A 57	1448	A 100	2540	↓	↓
A 58	1473	A 101	2565	A 500	12700

SECTION B/17

Belt No.	Inside Length (mm)	Belt No.	Inside Length (mm)	Belt No.	Inside Length (mm)
B 23	584	B 66	1676	B 109	2769
B 24	610	B 67	1702	B 110	2794
B 25	635	B 68	1727	B 111	2819
B 26	660	B 69	1753	B 112	2845
B 27	686	B 70	1778	B 113	2870
B 28	711	B 71	1803	B 114	2896
B 29	737	B 72	1829	B 115	2921
B 30	762	B 73	1854	B 116	2946
B 31	787	B 74	1880	B 117	2972
B 32	813	B 75	1905	B 118	2997
B 33	838	B 76	1930	B 119	3023
B 34	864	B 77	1956	B 120	3048
B 35	889	B 78	1981	B 121	3073
B 36	914	B 79	2007	B 122	3099
B 37	940	B 80	2032	B 123	3124
B 38	965	B 81	2057	B 124	3150
B 39	991	B 82	2083	B 125	3175
B 40	1016	B 83	2108	B 126	3200
B 41	1041	B 84	2134	B 127	3226
B 42	1067	B 85	2159	B 128	3251
B 43	1092	B 86	2184	B 129	3277
B 44	1118	B 87	2210	B 130	3302
B 45	1143	B 88	2235	↓	↓
B 46	1168	B 89	2261	↓	↓
B 47	1194	B 90	2286	↓	↓
B 48	1219	B 91	2311	↓	↓
B 49	1245	B 92	2337	↓	↓
B 50	1270	B 93	2362	↓	↓
B 51	1295	B 94	2388	↓	↓
B 52	1321	B 95	2413	↓	↓
B 53	1346	B 96	2438	↓	↓
B 54	1372	B 97	2464	↓	↓
B 55	1397	B 98	2489	↓	↓
B 56	1422	B 99	2515	↓	↓
B 57	1448	B 100	2540	↓	↓
B 58	1473	B 101	2565	↓	↓
B 59	1499	B 102	2591	↓	↓
B 60	1524	B 103	2616	↓	↓
B 61	1549	B 104	2642	↓	↓
B 62	1575	B 105	2667	↓	↓
B 63	1600	B 106	2692	↓	↓
B 64	1626	B 107	2718	↓	↓
B 65	1651	B 108	2743	B 500	12700



C/22 D/32 E/40

SECTION C/22			
Belt No.	Inside Length(mm)	Belt No.	Inside Length(mm)
C 42	1066	C 85	2159
C 43	1092	C 86	2184
C 44	1117	C 87	2209
C 45	1143	C 88	2235
C 46	1168	C 89	2260
C 47	1193	C 90	2286
C 48	1219	C 91	2311
C 49	1244	C 92	2336
C 50	1270	C 93	2362
C 51	1295	C 94	2387
C 52	1320	C 95	2413
C 53	1346	C 96	2438
C 54	1371	C 97	2463
C 55	1397	C 98	2489
C 56	1422	C 99	2514
C 57	1447	C 100	2540
C 58	1473	C 101	2565
C 59	1498	C 102	2590
C 60	1524	C 103	2616
C 61	1549	C 104	2641
C 62	1574	C 105	2667
C 63	1600	C 106	2692
C 64	1625	C 107	2717
C 65	1651	C 108	2743
C 66	1676	C 109	2768
C 67	1701	C 110	2794
C 68	1727	C 111	2819
C 69	1752	C 112	2844
C 70	1778	C 113	2870
C 71	1803	C 114	2895
C 72	1828	C 115	2921
C 73	1854	C 116	2946
C 74	1879	C 117	2971
C 75	1905	C 118	2997
C 76	1930	C 119	3022
C 77	1955	C 120	3048
C 78	1981	↓	↓
C 79	2006		
C 80	2032		
C 81	2057		
C 82	2082		
C 83	2108		
C 84	2133	C 500	12700

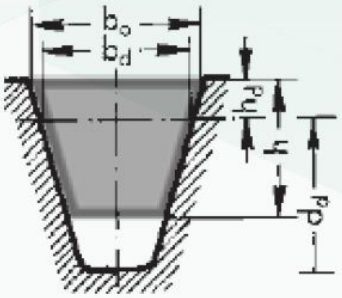
SECTION D/32			
Belt No.	Inside Length(mm)	Belt No.	Inside Length(mm)
D 50	1270	D 93	2362
D 51	1295	D 94	2388
D 52	1321	D 95	2413
D 53	1346	D 96	2438
D 54	1372	D 97	2464
D 55	1397	D 98	2489
D 56	1422	D 99	2515
D 57	1448	D 100	2540
D 58	1473	D 101	2565
D 59	1499	D 102	2591
D 60	1524	D 103	2616
D 61	1549	D 104	2642
D 62	1575	D 105	2667
D 63	1600	D 106	2692
D 64	1626	D 107	2718
D 65	1651	D 108	2743
D 66	1676	D 109	2769
D 67	1702	D 110	2794
D 68	1727	D 111	2819
D 69	1753	D 112	2845
D 70	1778	D 113	2870
D 71	1803	D 114	2896
D 72	1829	D 115	2921
D 73	1854	D 116	2946
D 74	1880	D 117	2972
D 75	1905	D 118	2997
D 76	1930	D 119	3023
D 77	1956	D 120	3048
D 78	1981	D 121	3073
D 79	2007	D 122	3099
D 80	2032	D 123	3124
D 81	2057	D 124	3150
D 82	2083	D 125	3175
D 83	2108	↓	↓
D 84	2134		
D 85	2159		
D 86	2184		
D 87	2210		
D 88	2235		
D 89	2261		
D 90	2286		
D 91	2311		
D 92	2337	D 500	12700

SECTION E/40	
Belt No.	Inside Length(mm)
E118	2997
E132	3353
E158	4013
E196	4978
E220	5588
E236	5994
E248	6299
E280	7112
E295	7493
E315	8001
E354	8992
E394	10008
E441	11201
E492	12497

II. Wedge V-Belt

Wedge belt length designation refers to the pitch length in mm.

Section	SPZ	SPA	SPB	SPC
Belt top width $b_o \approx$ (mm)	9.7	12.7	16.3	22
Datum width $b_d \approx$ (mm)	8.5	11	14	19
Belt height $h \approx$ (mm)	8	10	13	18
Distance down (mm)	2	2.8	3.5	4.8
To datum line $h_d \approx$ (mm) Recommended minimum	63	90	140	224
Pulley datum diameter $d_{d\ min}$ Belt weight(Kg/m) ≈	0.074	0.123	0.195	0.377
Max. flexing rate (s^{-1}) $f_{B\ max} \approx$	100			
Max. belt speed (m/s) $v_{max} \approx$	55*			



III. Narrow V-Belt

The belt length designation refers to the effective outside length.

Example:

Inch designation
3V 870
3V = belt top width (3/8")
870 = outside length in inches x 10
(1 inch = 25.4 mm)
Effective outside length in mm:

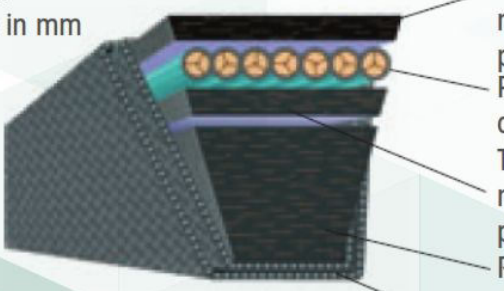
$$La = \frac{870 \times 25.4}{10}$$

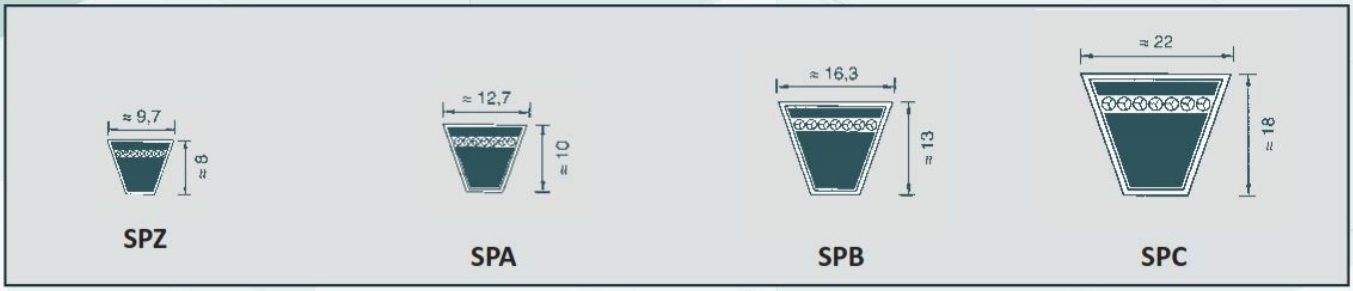
La = 2210 mm

Metric designation
9N 2210
9 ≈ belt top width (9 mm)
N = designation for single V-belt
2210 = effective outside length in mm

Section	3V/9N	5V/15N	8V/25N
Belt top width $b_o \approx$ (mm)	9	15	25
Datum width $b_d \approx$ (mm)	8	13	23
Belt height $h \approx$ (mm)	8	10	13
Recommended minimum (mm) Pulley datum diameter $d_{d\ min}$	63	140	335
Belt weight(Kg/m) ≈	0.074	0.195	0.575
Max. flexing rate (s^{-1}) $f_{B\ max} \approx$	100		
Max. belt speed (m/s) $v_{max} \approx$	55		

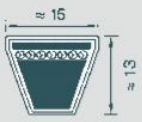
* V Series refer to in EOL in Inch, N Series refer to EOL in mm.



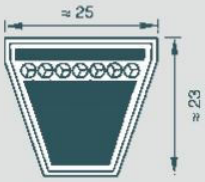


SECTION SPZ			SECTION SPA			SECTION SPB	SECTION SPC
Datum Length (mm)			Datum Length (mm)			Datum Length (mm)	Datum Length (mm)
487	1077	1787	732	1432	2282	1250	2000
512	1087	1800	757	1457	2300	1320	2120
562	1112	1812	782	1482	2307	1400	2240
587	1120	1837	800	1500	2332	1500	2360
612	1137	1862	807	1507	2360	1600	2500
630	1162	1887	832	1532	2382	1700	2650
637	1180	1900	850	1557	2432	1800	2800
662	1187	1937	857	1582	2482	1900	3000
670	1202	1987	882	1600	2500	2000	3150
687	1212	2000	900	1607	2532	2120	3350
710	1237	2037	907	1632	2582	2240	3550
722	1250	2120	932	1657	2607	2360	3750
737	1262	2137	950	1682	2632	2500	4000
750	1287	2187	957	1700	2650	2650	4250
762	1312	2240	982	1707	2682	2800	4500
772	1320	2262	1000	1732	2732	3000	4750
787	1337	2287	1007	1757	2782		5000
800	1347	2360	1032	1782	2800		5300
812	1362	2500	1060	1800	2832		5600
825	1387		1082	1807	2847		6000
837	1400		1107	1832	2882		6300
850	1412		1120	1857	2932		6700
862	1437		1132	1882	2982		7100
875	1462		1157	1900	3000		7500
887	1487		1180	1907	3032		8000
900	1500		1207	1932	3082		8500
912	1512		1232	1957	3150		9000
925	1537		1250	1982	3182		9500
937	1562		1257	2000	3282		10000
950	1587		1272	2030			10600
962	1600		1282	2057			11200
987	1612		1307	2082			12500
1000	1637		1320	2120			
1012	1662		1332	2132			
1024	1687		1357	2182			
1037	1700		1382	2207			
1047	1737		1400	2232			
1060	1762	4500	1407	2240	4500	10000	

3V/9N



5V/15N



8V/25N

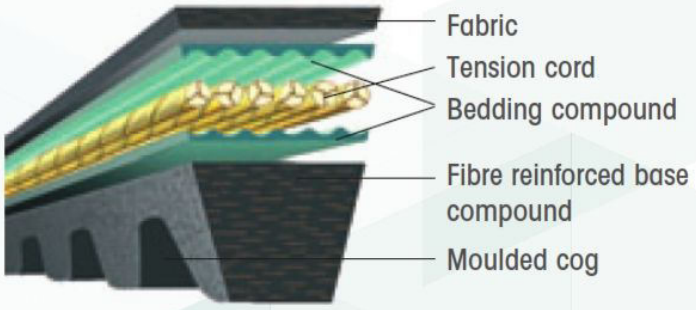
SECTION 3V/9N	
Outside Length (Inch)	Outside Length (mm)
3V 475	9N 1206
3V 500	9N 1270
3V 530	9N 1346
3V 560	9N 1422
3V 600	9N 1524
3V 630	9N 1600
3V 670	9N 1702
3V 710	9N 1803
3V 750	9N 1905
3V 800	9N 2032
3V 850	9N 2159
3V 900	9N 2286
3V 950	9N 2413
3V 1000	9N 2540
3V 1060	9N 2692
3V 1120	9N 2845
3V 1180	9N 2997
3V 1250	9N 3175
3V 1320	9N 3353
3V 1400	9N 3556

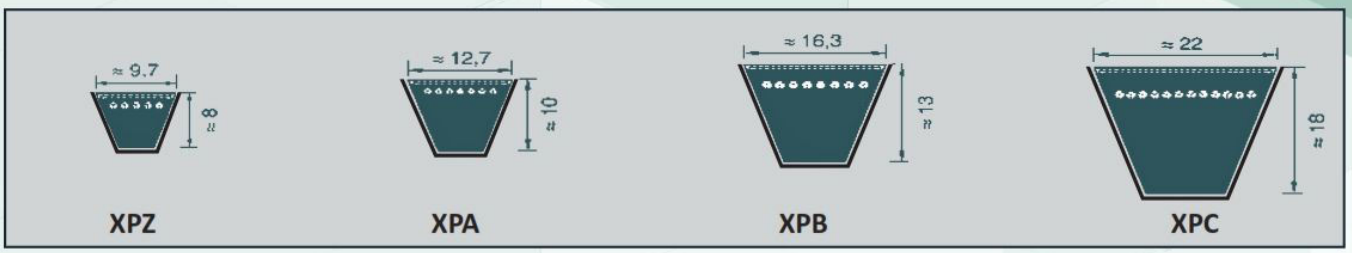
SECTION 5V/15N	
Outside Length (Inch)	Outside Length (mm)
5V 530	15N 1346
5V 560	15N 1422
5V 600	15N 1524
5V 630	15N 1600
5V 670	15N 1702
5V 710	15N 1803
5V 750	15N 1905
5V 800	15N 2032
5V 850	15N 2159
5V 900	15N 2286
5V 950	15N 2413
5V 1000	15N 2540
5V 1060	15N 2692
5V 1120	15N 2845
5V 1180	15N 2997
5V 1250	15N 3175
5V 1320	15N 3353
5V 1400	15N 3556
5V 1500	15N 3810
5V 1600	15N 4064
5V 1700	15 N 4318
5V 1800	15N 4572
5V 1900	15N 4826
5V 2000	15N 5080
5V 2120	15N 5385
5V 2240	15N 5690
5V 2360	15N 5994
5V 2500	15N 6350
5V 2650	15N 6731
5V 2800	15N 7112
5V 3000	15N 7620
5V 3150	15N 8001

SECTION 8V/25N	
Outside Length (Inch)	Outside Length (mm)
8V 1000	25N 2540
8V 1120	25N 2845
8V 1180	25N 2997
8V 1250	25N 3175
8V 1320	25N 3353
8V 1400	25N 3556
8V 1500	25N 3810
8V 1600	25N 4064
8V 1700	25N 4318
8V 1800	25N 4572
8V 1900	25N 4826
8V 2000	25N 5080
8V 2120	25N 5385
8V 2240	25N 5690
8V 2360	25N 5994
8V 2500	25N 6350
8V 2650	25N 6731
8V 2800	25N 7112
8V 3000	25N 7620
8V 3150	25N 8001
8V 3350	25N 8509

IV. Raw Edge Belts

Section	Belt Top Width b_o ≈	Datum width bd	Belt height h ≈	Distance down to datum line hd ≈	Belt weight (Kg/m)≈	Belt angle degree
XPZ	9.7	8.5	8	2	0.065	36
XPA	12.7	11	10	2.8	0.105	36
XPB	16.3	14	13	3.5	0.183	36
XPC	22	19	18	4.8	0.340	36
3VX/9NX	9	-	8	-	0.065	36
5VX/15NX	15	-	13	-	0.183	36
AX/X13	13	11	8	3.3	0.099	36
BX/X17	17	14	11	4.2	0.165	36
CX/X22	22	19	14	5.7	0.276	36





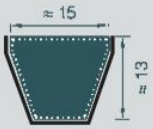
SECTION XPZ		
Datum Length (mm)		
587	1112	1800
612	1120	1900
630	1137	2000
637	1162	2120
662	1180	2150
670	1187	2240
687	1202	2360
710	1212	2500
737	1237	2540
750	1250	2650
762	1262	2690
772	1287	2800
787	1312	2840
800	1320	3000
812	1337	3150
825	1362	3350
837	1320	3550
850	1337	
862	1362	
875	1387	
887	1400	
900	1412	
912	1437	
925	1462	
937	1487	
950	1500	
962	1512	
987	1537	
1000	1562	
1012	1587	
1037	1600	
1060	1662	
1077	1700	
1087	1762	

SECTION XPA		
Datum Length (mm)		
732	1357	
757	1382	
782	1400	
800	1407	
807	1432	
832	1457	
850	1482	
857	1500	
882	1507	
900	1532	
907	1557	
932	1582	
950	1600	
957	1607	
982	1632	
1000	1700	
1007	1757	
1030	1800	
1060	1882	
1082	1900	
1107	2000	
1120	2120	
1132	2240	
1157	2360	
1180	2500	
1207	2650	
1232	2800	
1250	3000	
1257	3150	
1272	3350	
1282	3550	
1307		
1320		
1332		

SECTION XPB
Datum Length (mm)
1250
1320
1400
1500
1600
1700
1800
1900
2000
2020
2120
2150
2240
2280
2360
2400
2500
2680
2800
2840
3000
3150
3350
3550

SECTION XPC
Datum Length (mm)
2000
2120
2240
2360
2500
2650
2800
3000
3150
3350
3550

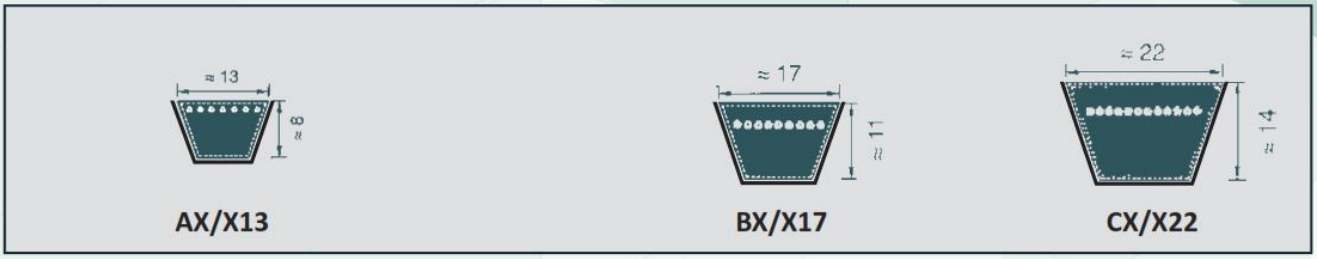
3VX/9NX



5VX/15NX

SECTION 3VX/9NX	
Designation	Outside Length (mm)
3VX 250	9NX 635
3VX 265	9NX 673
3VX 280	9NX 711
3VX 300	9NX 762
3VX 315	9NX 800
3VX 335	9NX 851
3VX 355	9NX 902
3VX 375	9NX 952
3VX 400	9NX 1016
3VX 425	9NX 1079
3VX 450	9NX 1143
3VX 475	9NX 1206
3VX 500	9NX 1270
3VX 530	9NX 1346
3VX 560	9NX 1422
3VX 600	9NX 1524
3VX 630	9NX 1600
3VX 670	9NX 1702
3VX 710	9NX 1803
3VX 750	9NX 1905
3VX 800	9NX 2032
3VX 850	9NX 2159
3VX 900	9NX 2286
3VX 950	9NX 2413
3VX 1000	9NX 2540
3VX 1060	9NX 2692
3VX 1120	9NX 2845
3VX 1180	9NX 2997
3VX 1250	9NX 3175
3VX 1320	9NX 3353
3VX 1400	9NX 3556

SECTION 5VX/15NX	
Designation	Outside Length (mm)
5VX 500	15NX 1270
5VX 530	15NX 1346
5VX 560	15NX 1422
5VX 600	15NX 1524
5VX 630	15NX 1600
5VX 670	15NX 1702
5VX 710	15NX 1803
5VX 750	15NX 1905
5VX 800	15NX 2032
5VX 850	15NX 2159
5VX 900	15NX 2286
5VX 950	15NX 2413
5VX 1000	15NX 2540
5VX 1060	15NX 2692
5VX 1120	15NX 2845
5VX 1180	15NX 2997
5VX 1250	15NX 3175
5VX 1320	15NX 3353
5VX 1400	15NX 3556



AX/X13 BX/X17 CX/X22

SECTION AX/X13			
Belt No.	Datum Length(mm)	Belt No.	Datum Length(mm)
AX-23	605	AX-54	1405
AX-23½	630	AX-55	1430
AX-24	640	AX-56	1452
AX-25	660	AX-57	1480
AX-26½	700	AX-58	1505
AX-27	716	AX-59	1530
AX-28	740	AX-62	1605
AX-29	760	AX-63	1630
AX-30	797	AX-71	1830
AX-31	805	AX-75	1930
AX-32	843	AX-79	2030
AX-33	871	AX-88	2270
AX-34	880	AX-93	2390
AX-35	919	AX-98	2530
AX-35½	930	AX-104	2680
AX-36	944	AX-110	2830
AX-37	955	AX-118	3030
AX-37½	980	AX-124	3180
AX-38	995	AX-132	3380
AX-39	1030		
AX-40	1046		
AX-41½	1080		
AX-42	1090		
AX-43	1130		
AX-44	1150		
AX-45½	1180		
AX-46	1198		
AX-47	1230		
AX-48	1250		
AX-49	1280		
AX-50	1300		
AX-51	1330		
AX-52	1350		
AX-53	1380		

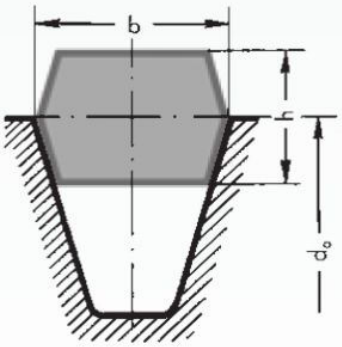
SECTION BX/X17			
Belt No.	Datum Length(mm)	Belt No.	Datum Length(mm)
BX-23	610	BX-57	1490
BX-25	670	BX-58	1513
BX-26	690	BX-59	1540
BX-28	750	BX-61	1590
BX-29	765	BX-62	1615
BX-30	790	BX-63	1640
BX-31	815	BX-67	1740
BX-32	840	BX-69	1790
BX-33	876	BX-71	1840
BX-34	890	BX-73	1890
BX-34½	915	BX-75	1940
BX-35	929	BX-79	2040
BX-36	940	BX-88	2280
BX-37	965	BX-93	2400
BX-38	1005	BX-98	2540
BX-39	1040	BX-103	2656
BX-40	1056	BX-104	2690
BX-41½	1080	BX-110	2840
BX-42	1100	BX-118	3040
BX-43	1130	BX-124	3190
BX-44	1160	BX-132	3390
BX-45½	1190		
BX-45½	1203		
BX-46	1215		
BX-46½	1220		
XB-47	1240		
BX-48	1255		
BX-49	1290		
BX-50	1315		
BX-51	1340		
BX-52	1360		
BX-53	1390		
BX-54	1412		
BX-55	1440		

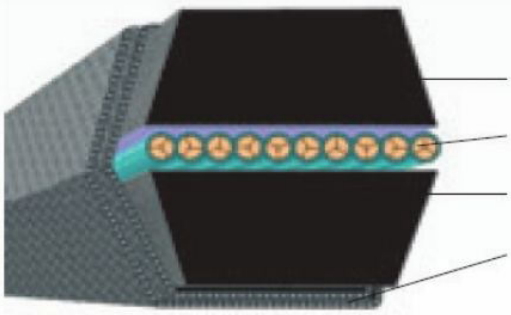
SECTION CX/X22	
Belt No.	Datum Length(mm)
CX-39	1058
CX-43	1148
CX-49	1308
CX-52	1378
CX-55	1458
CX-59	1558
CX-62	1632
CX-67	1758
CX-68	1785
CX-71	1858
CX-75	1958
CX-79	2058
CX-81	2118
CX-85	2217
CX-88	2298
CX-90	2344
CX-93	2418
CX-96	2496
CX-98	2558
CX-110	2858
CX-118	3058
CX-124	3208
CX-132	3408

V. Hexagonal V-Belt

(Length refers to inside length in inches)

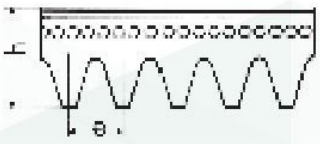
Section			AA	BB	CC	DD	22X22	22X25
Belt width	b	≈ (mm)	13	17	22	32	22	25
Belt height	h	≈ (mm)	10	13	17	25	22	22
Recommended minimum Pulley datum diameter	dd min	(mm)	80	125	224	355	280	280
Belt weight(Kg/m)		≈	0.150	0.250	0.440	0.935	0.511	0.625
Max. belt speed (m/s)	vmax	≈	30					





VI. Ribbed Belt: Poly-V

Section	Nominal Top Width Range in (mm)	Nominal Thickness in (mm)	Size Range in mm Effective Length
PK	3K to 25K	5.5	500 to 3,000
PJ	3J to 25J	3.5	500 to 3,000



SECTION	e (mm)	h (mm)
PK	3.56	5.5
PJ	2.34	3.5

SECTION PJ

Effective Length (mm)

PJ 610
PJ 660
PJ 711
PJ 723
PJ 762
PJ 813
PJ 836
↓
PJ 300

SECTION PK

Effective Length (mm)

PK 610
PK 660
PK 711
PK 723
PK 762
PK 813
PK 836
↓
PK 300

2. PVC-BELTS

I. Power Transmission Belts Type Codes

SBI Code | Friction Coating / Top Coating | Type number (Working Load) | Thickness

NP GG 10/3
NP GT 10

Abreviations Used			
G	Higly abraison resistant NBR or XNBR rubber	T	Nylon Fabric
L	Crome leather resistant to oils	ZS	Special Process

II. PVC Conveyor Belts

Conveyor belt series of SBI are consist of five different classes up to their application areas. They could have PVC, polyurethane, polyolephine and silicone top covers and one to five layers. SBI conveyor belts have a great product range for requirements of market. Live stocks are held for all sectors and delivered on time. Our live stocks include most of market. Conveyor belts made of synthetic materials works by light tension rate and have a high capacity of load bearing. SBI can produce special designed belts for your requirements.

Conveyor Belts Type Codes

SBI Code | Type number (Working Load) | Number of plies | Underside Coating | Top face coating | Thickness | Belt characteristics and color

Z 5/1 FU/U2 - 11 MAT NA WHITE
Z 10/2 V1/V1-27 GSTR/GL GREEN

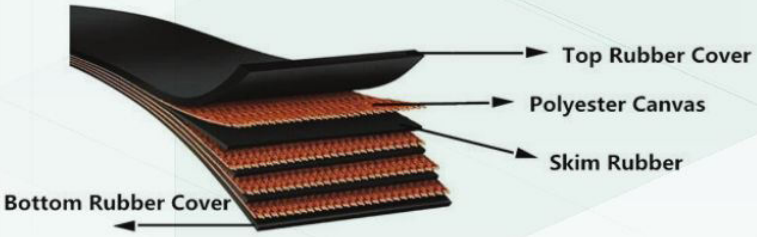
Abreviations Used			
F	Polyester fabric	U1	86 Shore Polyurethan
C	Cotton fabric	U2	93 Shore Polyurethan
O	Cotton polyester fabric	R1	74 Shore A NBR Rubber
FU	PU impregnated polyester fabric	R2	60 Shore A NBR Rubber
FV	PVC impregnated polyester fabric	MAT	Mat finish
V1	74 Shore A PVC for all standard conveying processes	NA	Non Antistatic
V2	74 Shore A PVC with high abrasion and cut resistance lower tracking properties	GSTR	Coarse textured pattern
V3	50 Shore A PVC with high tracking properties	STR	Fine textured pattern
V4	85 Shore A Food grade PVC with high oil resistance	NT	Half round pattern
V5	85 Shore A PVC high resistant to abrasion	AR	Anti skid pattern
V6	55 Shore A PVC NBR mixed highly resistant to chemicals and perfect tracking properties	CH	Check in pattern
V7	74 Shore A PVC with high tracking properties	SG	Lattice pattern
V8	74 Shore A PVC resistant to abrasion and good tracking properties	GL	Glossy finish
U	PU impregnated		

3. RUBBER CONVEYOR BELTS

I. Flat Conveyor Belt

(SBI) have a wide range of products that can cover almost all the needs for all the machines and the equipments that may need a belt.

From technical side we produce all kinds of V-Belts Covering all sections like:(SBI) have a wide range of products that can cover almost all the needs for all the machines and the equipments that may need a belt.



Design	Hardness (Shore A)	Nominal Top Width (mm)	Nominal Thickness (mm)	Size Range in meters (Pitch Length)
Custom Built to order	Custom Built	30 to 300	5 to 30	1 to 10

II. Chevron Conveyor Belt

(SBI) have a wide range of products that can cover almost all the needs for all the machines and the equipments that may need a belt.

From technical side we produce all kinds of V-Belts Covering all sections like:(SVBI) have a wide range of products that can cover almost all the needs for all the machines and the equipments that may need a belt.

From technical side we produce all kinds of V-Belts Covering all sections like:
(SBI) have a wide range of products that can cover almost all the needs for all the machines and the equipments that may need a belt.

From technical side we produce all kinds of V-Belts Covering all sections like:
(SBI) have a wide range of products that can cover almost all the needs for all the machines and the equipments that may need a belt.

4. MATERIAL HANDLING SYSTEMS

I. Gravity Rollers Conveyors Straight and Curve Sections

The GRCT & GRCC Family is used with light to medium duty units loads this family accept R50 and R60 Rollers, made of galvanized steel.

The roller pitch of 60mm (with R50 only), 90,120,150, or 180 mm is thus achieved.

Applications:

Transport of unit goods, such as cartons, crates, boxes, and virtually any goods with a suitable contact surface, where low cost is required, and manual or gravity operation is acceptable.

II. Heavy Duty Rollers Bed Conveyors

The Belt Slides over Low Friction Quality Rollers Which could be 50, 60 or 89mm in diameter, rollers are made of galvanized steel, featuring special low friction bearings. For this kind of conveyors can use synthetic resin belts (PVC, PU, GRIP FACE, etc…) or rubber belts of the plain type or with chevrons.

Applications:

Heavy Duty Roller Bed Conveyors are used extensively in warehouses, production facilities, assembly lines, and general conveyance of medium to heavy loads (up to 300 Kg/m) over relatively long distances.

They typically move unit goods such as cartons, crates, tires, flour sacks, cement sacks, machine parts, etc…And can be mounted on casters for mobility where several units can be linked to obtain a flexible conveying system.

HBR conveyors can be floor mounted, suspended from ceilings using hangers, or wall mounted using brackets

III. Heavy Duty Slider Bed Conveyors

The synthetic belt slides over a solid stationary bed. This type of conveyor is low cost heavy duty conveyors capable of transporting medium loads (20-50 kg/m) over distance of up to 30meters. They can be manufactured in stainless steel, and fitted with FDA approved belting and can floor mounted, suspended from ceilings using hangers, or wall mounted using brackets.

IV. Light Duty Slider Bed Conveyors

General Purpose, light load units specifically designed for limited space applications. The synthetic belt slides over a solid stationary bed... it can be fitted with hoppers, chutes, belt toughing attachments, side tables. The belts can be standard PVC Types, polyurethane accumulation types, of FDA approved food grade types.

Applications:

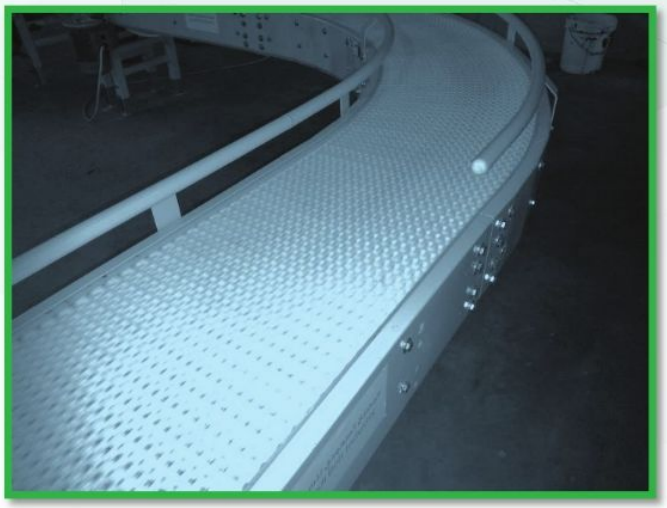
LSC Conveyors are mainly used to handle light loads in confectionaries, food industry, pharmaceuticals, inkjet printing, micromechanical assembly systems, where size and weight are to be minimized.

V. Truck Loading Conveyors

The conveyor is mounted on a movable frame which can be easily moved from one area to another. Belt direction is bidirectional for loading or unloading operation.

VI. Modular Conveyors

The Modular Elevator conveyor is suitable for continues duty applications for transport of foods, plastics, wood, or metallic parts and is easily integrated into your production line using customized hopper and delivery chutes.

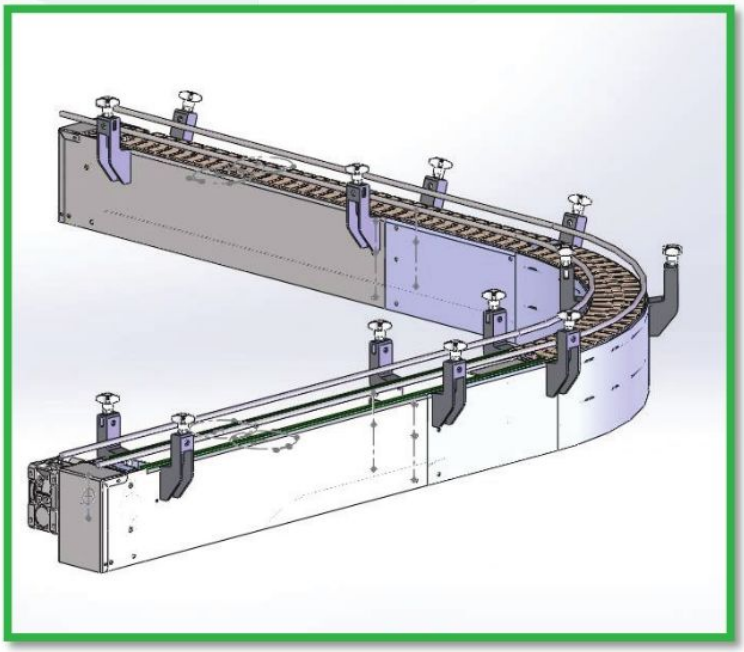


Applications:

Modular conveyors are normal duty conveyors used in food, pharmaceutical, poultry, meat confectionary and many other food industries. They are also well suited for general transportation of unit goods such as cartons, tote boxes, bottling and canning, tobacco, textiles and packing and packaging etc…

VII. Slat Conveyors

Slat conveyors are intended for the food & beverage industry, and are available in stainless steel 304 or painted steel. The return strand of the chain S positively guided in the curved part of the conveyor. These unites can be L, S, or U Shaped with side-Flexing chains made of stainless steel or plastics.



VIII. Live Rollers Conveyors

The family of live rollers conveyors is a precision built sheet metal constriction, heavy duty conveyor with live roller driven by motors used in assembly lines, cartons and pallets transport.

Roller Diameters available 50, 60,89mm.

Applications:

RDS live roller conveyors are used for handling pallets, large unit loads, cartons, boxes, crates, and similar items.

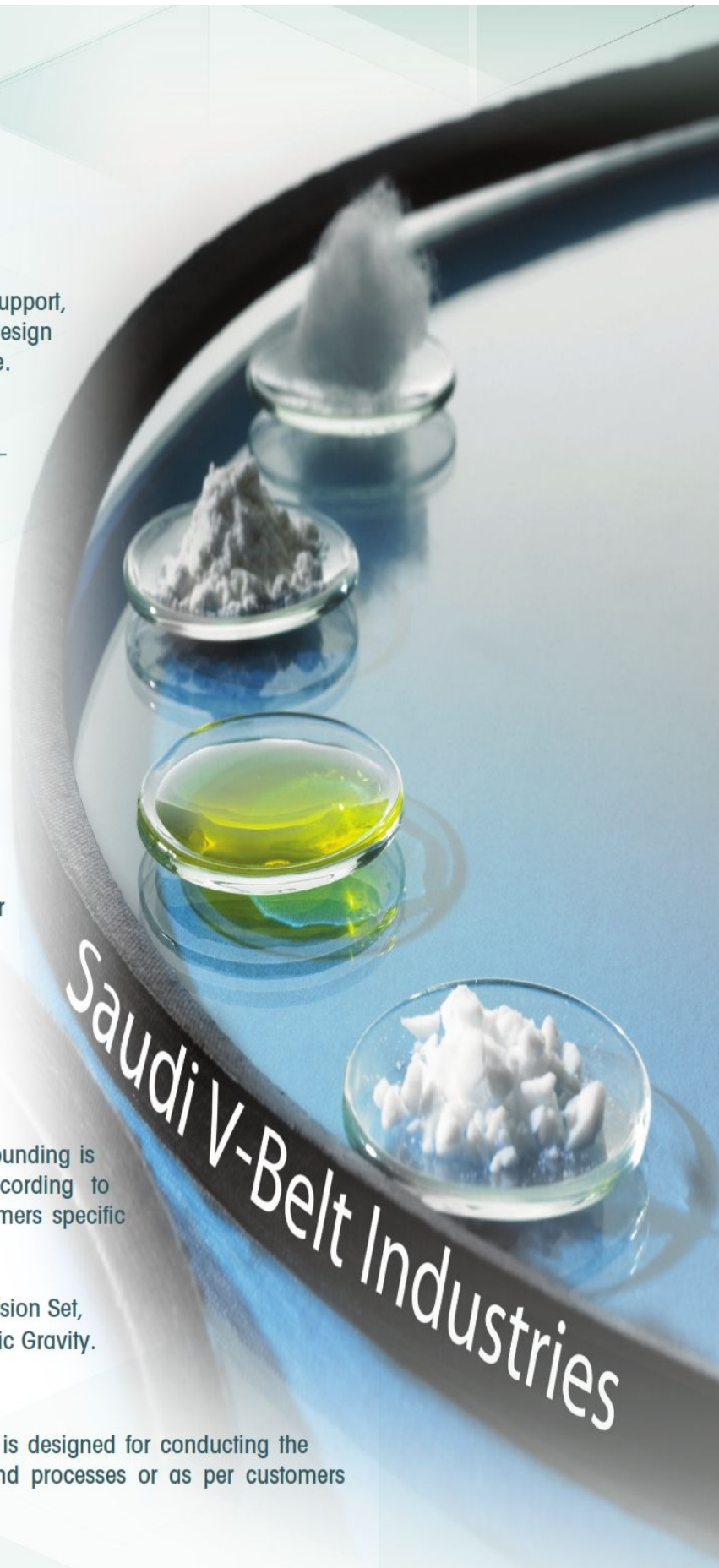
RLS conveyors are used for transporting unit goods such as boxes, cartons, crates, or any item with a solid flat contact surface.

Quality System and Technical References:

Technical Departments:
Research and Development, Design, Technical Support, Engineering and Technical, Production, Mould design and Development, Laboratory and Technical Archive.

- ISO 9001 : 2008 certified in October 2009.
- Rubber Standard: ASTM Volume 09.01 & 09.02
- Product Standards: ISO / DIN / SAE / ANSI / RMA – MPTA / JIS / JASO / BS

In establishing the requirements, we support both our customers and our suppliers at any time with our knowledge and expertise.
The Company maintains a separate R & D section consisting of a well equipped testing laboratory. The production and R & D activities are manned & looked after by qualified and experienced professionals and other skilled workers, highly capable to produce quality products under the dynamic and expert guidance of its Technical Director who has over 4 decades of hands on experience and training in manufacturing industrial V Belts at Continental Rubber Group of Germany and Good Year Chemical Group of USA.



Laboratory and Testing Facilities:

Raw Materials and Compounding Test Lab
The laboratory for testing raw materials and compounding is designed for conducting the following tests according to German Standards and processes or as per customers specific requirements.

- Rheometer, Tensile Strength, Elongation, Compression Set, Hardness, Oil Resistance, Ageing Study and Specific Gravity.

- Final Product Test Lab

The laboratory for testing our final product V Belts is designed for conducting the following tests according to German Standards and processes or as per customers specific requirements.

- Appearance Inspection, Dimensional Check, Effective Length, Ride Out, Wear and Tear, Extensibility, Belt Matching and Breaking Strength.

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Saudi V-Belt Industries

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