PINGXIANG HUSHENG RUBBER PRODUCTS CO.,LTD

8V Belt (25N) — Specification & Size Chart

Heavy-Duty Narrow V-Belt · ISO 4184 · Shusheng

Shusheng

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8V Belt (25N) — Specification & Complete Size Chart

1. Product Overview

Wrapped narrow V-belt for heavy-duty power transmission.

The **8V belt** (metric designation **25N**) is a wrapped narrow V-belt with a **1 inch (25.4 mm) top width** and a **23 mm section height**. It is the largest section of the 3V/5V/8V narrow V-belt family, transmitting 50–100% more power than a classical V-belt of the same top width.

All 8V belts listed in this document are manufactured to conform to **ISO 4184** (25N / 8V profile), with chloroprene rubber body, high-tenacity polyester tension cord and wrapped fabric cover, moulded to length for matched-set service.

2. Belt Marking & Code Meaning

How to read the section dimensions and the code printed on the belt.

2.1 Section dimensions

The 8V (25N) profile has a **top width of 1 inch (25.4 mm)**, a **section height of 23 mm** and a **40° included wedge angle**. The sidewalls seat correctly in a matching 8V sheave groove.

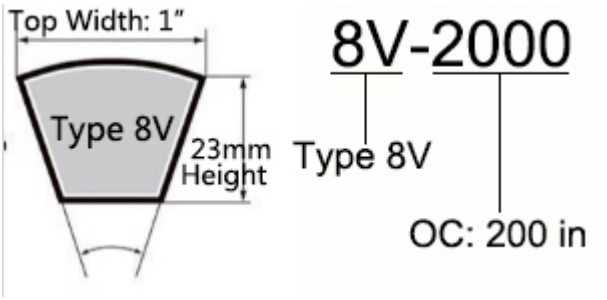


Figure 1. Cross-section and designation format: 8V-2000 = Type 8V, outside circumference 200 in (5,080 mm).

2.2 What the code means

The code follows the format **8V-XXXX**: the prefix **8V** identifies the section profile (1 in top width, 23 mm height, 40° wedge; metric designation 25N); the **four-digit number** is the **outside circumference (OC) in tenths of an inch**. For example, **8V-2000** means an 8V belt with an outside circumference of **200 inches (5,080 mm)**; **8V-870** = 87.0 in (2,210 mm); **8V-5960** = 596.0 in (15,138 mm).

The number is the **outside circumference**, not the pitch length. Pitch length is shorter than outside circumference by the profile offset defined in ISO 4184, so convert the required pitch length to the nearest 8V code before ordering using the size chart in section 5.

2.3 Marking on the belt

Each belt is edge-marked with the 8V code, a production lot number and (on some belts) the metric 25N designation, so that a belt already in service can be identified and re-ordered without measuring the drive.



Figure 2. Belt edge marking: moulded 8V code and production code on the wrapped cover.

3. Technical Specifications

These values apply to every size from 8V-870 to 8V-5960.

Property	Specification
Profile / Section	8V (25N) wrapped narrow V-belt
Top Width	1 in (25.4 mm)
Section Height	23 mm (0.91 in)
Wedge Angle	40° (included)
Body Compound	Chloroprene rubber (CR)
Tension Member	High-tenacity polyester cord
Outer Cover	Wrapped treated fabric
Standard	Conforms to ISO 4184 (25N / 8V profile)
Transmission Efficiency	95%+
Maximum Belt Speed	40 m/s
Operating Temperature	−40 °C to +90 °C
Resistance	Oil, chemical, ozone, anti-static
Power vs Classical V-Belt	+50–100% at equal top width
Length Range (OC)	8V-870 – 8V-5960 (87.0–596.0 in / 2,210–15,138 mm)

4. Materials & Construction

Three functional layers, each with a dedicated job.

4.1 Tension member — Polyester cord

High-tenacity polyester cords carry the tensile load with very low elongation under tension, and are chemically bonded into the rubber body so they do not separate through repeated flex cycles. The cords hold their length, so the belt does not run slack after break-in.

4.2 Body compound — Chloroprene rubber (CR)

The compression section is formulated from chloroprene rubber, providing heat and cold resistance, oil and chemical resistance, ozone resistance and anti-static performance suitable for heavy industrial environments.

4.3 Outer cover — Wrapped treated fabric

A treated cotton/polyester wrap is applied around the belt body before vulcanisation. It protects the sidewalls from abrasion and oil mist, and provides the controlled friction needed in the sheave groove for slip-resistant power transfer under load spikes.

5. Complete Size Chart (8V-870 to 8V-5960)

489 belt codes. *in* = outside circumference in inches; *mm* = outside circumference in millimetres (1 in = 25.4 mm).

> **Reading the code:** the four-digit number after "8V" is the outside circumference in *tenths of an inch* — 8V-2000 = 200.0 in = 5,080 mm OC.

Table 2 Complete 8V (25N) Size Chart — Part 1 of 3 (8V-870 to 8V-2580)

Code	in	mm	Code	in	mm	Code	in	mm
8V-870	87	2210	**8V-1420**	142	3607	**8V-1970**	197	5004
8V-880	88	2235	**8V-1430**	143	3632	**8V-1980**	198	5029
8V-890	89	2261	**8V-1440**	144	3658	**8V-1990**	199	5055
8V-900	90	2286	**8V-1450**	145	3683	**8V-2000**	200	5080
8V-910	91	2311	**8V-1460**	146	3708	**8V-2010**	201	5105
8V-920	92	2337	**8V-1470**	147	3734	**8V-2020**	202	5131
8V-930	93	2362	**8V-1480**	148	3759	**8V-2030**	203	5156
8V-940	94	2388	**8V-1490**	149	3785	**8V-2040**	204	5182
8V-950	95	2413	**8V-1500**	150	3810	**8V-2050**	205	5207
8V-960	96	2438	**8V-1510**	151	3835	**8V-2060**	206	5232
8V-970	97	2464	**8V-1520**	152	3861	**8V-2070**	207	5258
8V-980	98	2489	**8V-1530**	153	3886	**8V-2080**	208	5283
8V-990	99	2515	**8V-1540**	154	3912	**8V-2090**	209	5309
8V-1000	100	2540	**8V-1550**	155	3937	**8V-2100**	210	5334
8V-1010	101	2565	**8V-1560**	156	3962	**8V-2110**	211	5359
8V-1020	102	2591	**8V-1570**	157	3988	**8V-2120**	212	5385
8V-1030	103	2616	**8V-1580**	158	4013	**8V-2130**	213	5410
8V-1040	104	2642	**8V-1590**	159	4039	**8V-2140**	214	5436
8V-1050	105	2667	**8V-1600**	160	4064	**8V-2150**	215	5461
8V-1060	106	2692	**8V-1610**	161	4089	**8V-2160**	216	5486
8V-1070	107	2718	**8V-1620**	162	4115	**8V-2170**	217	5512
8V-1080	108	2743	**8V-1630**	163	4140	**8V-2180**	218	5537
8V-1090	109	2769	**8V-1640**	164	4166	**8V-2190**	219	5563
8V-1100	110	2794	**8V-1650**	165	4191	**8V-2200**	220	5588
8V-1110	111	2819	**8V-1660**	166	4216	**8V-2210**	221	5613
8V-1120	112	2845	**8V-1670**	167	4242	**8V-2220**	222	5639
8V-1130	113	2870	**8V-1680**	168	4267	**8V-2230**	223	5664
8V-1140	114	2896	**8V-1690**	169	4293	**8V-2240**	224	5690
8V-1150	115	2921	**8V-1700**	170	4318	**8V-2250**	225	5715
8V-1160	116	2946	**8V-1710**	171	4343	**8V-2260**	226	5740
8V-1170	117	2972	**8V-1720**	172	4369	**8V-2270**	227	5766
8V-1180	118	2997	**8V-1730**	173	4394	**8V-2280**	228	5791
8V-1190	119	3023	**8V-1740**	174	4420	**8V-2290**	229	5817
8V-1200	120	3048	**8V-1750**	175	4445	**8V-2330**	233	5918
8V-1210	121	3073	**8V-1760**	176	4470	**8V-2350**	235	5969
8V-1220	122	3099	**8V-1770**	177	4496	**8V-2360**	236	5994
8V-1230	123	3124	**8V-1780**	178	4521	**8V-2400**	240	6096
8V-1240	124	3150	**8V-1790**	179	4547	**8V-2410**	241	6121
8V-1250	125	3175	**8V-1800**	180	4572	**8V-2420**	242	6147
8V-1260	126	3200	**8V-1810**	181	4597	**8V-2430**	243	6172
8V-1270	127	3226	**8V-1820**	182	4623	**8V-2440**	244	6198
8V-1280	128	3251	**8V-1830**	183	4648	**8V-2450**	245	6223
8V-1290	129	3277	**8V-1840**	184	4674	**8V-2460**	246	6248
8V-1300	130	3302	**8V-1850**	185	4699	**8V-2470**	247	6274
8V-1310	131	3327	**8V-1860**	186	4724	**8V-2480**	248	6299
8V-1320	132	3353	**8V-1870**	187	4750	**8V-2490**	249	6325
8V-1330	133	3378	**8V-1880**	188	4775	**8V-2500**	250	6350
8V-1340	134	3404	**8V-1890**	189	4801	**8V-2510**	251	6375
8V-1350	135	3429	**8V-1900**	190	4826	**8V-2520**	252	6401
8V-1360	136	3454	**8V-1910**	191	4851	**8V-2530**	253	6426
8V-1370	137	3480	**8V-1920**	192	4877	**8V-2540**	254	6452
8V-1380	138	3505	**8V-1930**	193	4902	**8V-2550**	255	6477
8V-1390	139	3531	**8V-1940**	194	4928	**8V-2560**	256	6502
8V-1400	140	3556	**8V-1950**	195	4953	**8V-2570**	257	6528
8V-1410	141	3581	**8V-1960**	196	4978	**8V-2580**	258	6553

Table 3 Complete 8V (25N) Size Chart — Part 2 of 3 (8V-2590 to 8V-4370)

Code	in	mm	Code	in	mm	Code	in	mm
8V-2590	259	6579	**8V-3140**	314	7976	**8V-3830**	383	9728
8V-2600	260	6604	**8V-3150**	315	8001	**8V-3840**	384	9754
8V-2610	261	6629	**8V-3160**	316	8026	**8V-3850**	385	9779
8V-2620	262	6655	**8V-3170**	317	8052	**8V-3860**	386	9804
8V-2630	263	6680	**8V-3180**	318	8077	**8V-3870**	387	9830
8V-2640	264	6706	**8V-3190**	319	8103	**8V-3880**	388	9855
8V-2650	265	6731	**8V-3200**	320	8128	**8V-3890**	389	9881
8V-2660	266	6756	**8V-3210**	321	8153	**8V-3900**	390	9906
8V-2670	267	6782	**8V-3220**	322	8179	**8V-3910**	391	9931
8V-2680	268	6807	**8V-3230**	323	8204	**8V-3920**	392	9957
8V-2690	269	6833	**8V-3240**	324	8230	**8V-3930**	393	9982
8V-2700	270	6858	**8V-3250**	325	8255	**8V-3940**	394	10008
8V-2710	271	6883	**8V-3260**	326	8280	**8V-3950**	395	10033
8V-2720	272	6909	**8V-3270**	327	8306	**8V-3960**	396	10058
8V-2730	273	6934	**8V-3280**	328	8331	**8V-3970**	397	10084
8V-2740	274	6960	**8V-3290**	329	8357	**8V-3980**	398	10109
8V-2750	275	6985	**8V-3300**	330	8382	**8V-3990**	399	10135
8V-2760	276	7010	**8V-3310**	331	8407	**8V-4000**	400	10160
8V-2770	277	7036	**8V-3320**	332	8433	**8V-4010**	401	10185
8V-2780	278	7061	**8V-3330**	333	8458	**8V-4020**	402	10211
8V-2790	279	7087	**8V-3340**	334	8484	**8V-4030**	403	10236
8V-2800	280	7112	**8V-3350**	335	8509	**8V-4040**	404	10262
8V-2810	281	7137	**8V-3360**	336	8534	**8V-4050**	405	10287
8V-2820	282	7163	**8V-3370**	337	8560	**8V-4060**	406	10312
8V-2830	283	7188	**8V-3380**	338	8585	**8V-4070**	407	10338
8V-2840	284	7214	**8V-3390**	339	8611	**8V-4080**	408	10363
8V-2850	285	7239	**8V-3400**	340	8636	**8V-4090**	409	10389
8V-2860	286	7264	**8V-3450**	345	8763	**8V-4100**	410	10414
8V-2870	287	7290	**8V-3500**	350	8890	**8V-4110**	411	10439
8V-2880	288	7315	**8V-3550**	355	9017	**8V-4120**	412	10465
8V-2890	289	7341	**8V-3560**	356	9042	**8V-4130**	413	10490
8V-2900	290	7366	**8V-3580**	358	9093	**8V-4140**	414	10516
8V-2910	291	7391	**8V-3600**	360	9144	**8V-4150**	415	10541
8V-2920	292	7417	**8V-3610**	361	9169	**8V-4160**	416	10566
8V-2930	293	7442	**8V-3620**	362	9195	**8V-4170**	417	10592
8V-2940	294	7468	**8V-3630**	363	9220	**8V-4180**	418	10617
8V-2950	295	7493	**8V-3640**	364	9246	**8V-4190**	419	10643
8V-2960	296	7518	**8V-3650**	365	9271	**8V-4200**	420	10668
8V-2970	297	7544	**8V-3660**	366	9296	**8V-4210**	421	10693
8V-2980	298	7569	**8V-3670**	367	9322	**8V-4220**	422	10719
8V-2990	299	7595	**8V-3680**	368	9347	**8V-4230**	423	10744
8V-3000	300	7620	**8V-3690**	369	9373	**8V-4240**	424	10770
8V-3010	301	7645	**8V-3700**	370	9398	**8V-4250**	425	10795
8V-3020	302	7671	**8V-3710**	371	9423	**8V-4260**	426	10820
8V-3030	303	7696	**8V-3720**	372	9449	**8V-4270**	427	10846
8V-3040	304	7722	**8V-3730**	373	9474	**8V-4280**	428	10871
8V-3050	305	7747	**8V-3740**	374	9500	**8V-4290**	429	10897
8V-3060	306	7772	**8V-3750**	375	9525	**8V-4300**	430	10922
8V-3070	307	7798	**8V-3760**	376	9550	**8V-4310**	431	10947
8V-3080	308	7823	**8V-3770**	377	9576	**8V-4320**	432	10973
8V-3090	309	7849	**8V-3780**	378	9601	**8V-4330**	433	10998
8V-3100	310	7874	**8V-3790**	379	9627	**8V-4340**	434	11024
8V-3110	311	7899	**8V-3800**	380	9652	**8V-4350**	435	11049
8V-3120	312	7925	**8V-3810**	381	9677	**8V-4360**	436	11074
8V-3130	313	7950	**8V-3820**	382	9703	**8V-4370**	437	11100

Table 4 Complete 8V (25N) Size Chart — Part 3 of 3 (8V-4380 to 8V-5960)

Code	in	mm	Code	in	mm	Code	in	mm
8V-4380	438	11125	**8V-4910**	491	12471	**8V-5440**	544	13818
8V-4390	439	11151	**8V-4920**	492	12497	**8V-5450**	545	13843
8V-4400	440	11176	**8V-4930**	493	12522	**8V-5460**	546	13868
8V-4410	441	11201	**8V-4940**	494	12548	**8V-5470**	547	13894
8V-4420	442	11227	**8V-4950**	495	12573	**8V-5480**	548	13919
8V-4430	443	11252	**8V-4960**	496	12598	**8V-5490**	549	13945
8V-4440	444	11278	**8V-4970**	497	12624	**8V-5500**	550	13970
8V-4450	445	11303	**8V-4980**	498	12649	**8V-5510**	551	13995
8V-4460	446	11328	**8V-4990**	499	12675	**8V-5520**	552	14021
8V-4470	447	11354	**8V-5000**	500	12700	**8V-5530**	553	14046
8V-4480	448	11379	**8V-5010**	501	12725	**8V-5540**	554	14072
8V-4490	449	11405	**8V-5020**	502	12751	**8V-5550**	555	14097
8V-4500	450	11430	**8V-5030**	503	12776	**8V-5560**	556	14122
8V-4510	451	11455	**8V-5040**	504	12802	**8V-5570**	557	14148
8V-4520	452	11481	**8V-5050**	505	12827	**8V-5580**	558	14173
8V-4530	453	11506	**8V-5060**	506	12852	**8V-5590**	559	14199
8V-4540	454	11532	**8V-5070**	507	12878	**8V-5600**	560	14224
8V-4550	455	11557	**8V-5080**	508	12903	**8V-5610**	561	14249
8V-4560	456	11582	**8V-5090**	509	12929	**8V-5620**	562	14275
8V-4570	457	11608	**8V-5100**	510	12954	**8V-5630**	563	14300
8V-4580	458	11633	**8V-5110**	511	12979	**8V-5640**	564	14326
8V-4590	459	11659	**8V-5120**	512	13005	**8V-5650**	565	14351
8V-4600	460	11684	**8V-5130**	513	13030	**8V-5660**	566	14376
8V-4610	461	11709	**8V-5140**	514	13056	**8V-5670**	567	14402
8V-4620	462	11735	**8V-5150**	515	13081	**8V-5680**	568	14427
8V-4630	463	11760	**8V-5160**	516	13106	**8V-5690**	569	14453
8V-4640	464	11786	**8V-5170**	517	13132	**8V-5700**	570	14478
8V-4650	465	11811	**8V-5180**	518	13157	**8V-5710**	571	14503
8V-4660	466	11836	**8V-5190**	519	13183	**8V-5720**	572	14529
8V-4670	467	11862	**8V-5200**	520	13208	**8V-5730**	573	14554
8V-4680	468	11887	**8V-5210**	521	13233	**8V-5740**	574	14580
8V-4690	469	11913	**8V-5220**	522	13259	**8V-5750**	575	14605
8V-4700	470	11938	**8V-5230**	523	13284	**8V-5760**	576	14630
8V-4710	471	11963	**8V-5240**	524	13310	**8V-5770**	577	14656
8V-4720	472	11989	**8V-5250**	525	13335	**8V-5780**	578	14681
8V-4730	473	12014	**8V-5260**	526	13360	**8V-5790**	579	14707
8V-4740	474	12040	**8V-5270**	527	13386	**8V-5800**	580	14732
8V-4750	475	12065	**8V-5280**	528	13411	**8V-5810**	581	14757
8V-4760	476	12090	**8V-5290**	529	13437	**8V-5820**	582	14783
8V-4770	477	12116	**8V-5300**	530	13462	**8V-5830**	583	14808
8V-4780	478	12141	**8V-5310**	531	13487	**8V-5840**	584	14834
8V-4790	479	12167	**8V-5320**	532	13513	**8V-5850**	585	14859
8V-4800	480	12192	**8V-5330**	533	13538	**8V-5860**	586	14884
8V-4810	481	12217	**8V-5340**	534	13564	**8V-5870**	587	14910
8V-4820	482	12243	**8V-5350**	535	13589	**8V-5880**	588	14935
8V-4830	483	12268	**8V-5360**	536	13614	**8V-5890**	589	14961
8V-4840	484	12294	**8V-5370**	537	13640	**8V-5900**	590	14986
8V-4850	485	12319	**8V-5380**	538	13665	**8V-5910**	591	15011
8V-4860	486	12344	**8V-5390**	539	13691	**8V-5920**	592	15037
8V-4870	487	12370	**8V-5400**	540	13716	**8V-5930**	593	15062
8V-4880	488	12395	**8V-5410**	541	13741	**8V-5940**	594	15088
8V-4890	489	12421	**8V-5420**	542	13767	**8V-5950**	595	15113
8V-4900	490	12446	**8V-5430**	543	13792	**8V-5960**	596	15138

Shortest size: 8V-870 (87.0 in / 2,210 mm OC). Longest size: 8V-5960 (596.0 in / 15,138 mm OC). Lengths outside this range are available as custom items.

6. Contact & Ordering Information

Company: Pingxiang Husheng Rubber Products Co.,Ltd

Brand: Shusheng
Website: https://drive-belt.com
8V Product Page: https://drive-belt.com/v-belts/8v-belt
Email: panhusheng@zohomail.cn
Tel / WhatsApp: +86 151 0799 3145
Address: No. 132 Xihuan Road, Anyuan District, Pingxiang City, Jiangxi Province, China
MOQ / Lead time: 10 pcs per size; 15–20 days from order confirmation.

For live pricing, full V-belt range and to download this PDF, visit the 8V belt product page: https://drive-belt.com/v-belts/8v-belt.

8V Belt (25N) — Specification & Complete Size Chart • Version 2026.3, October 2026 • Profile (25N) 8V: 1 in (25.4 mm) × 23 mm • Conforms to ISO 4184 • Shusheng / Pingxiang Husheng Rubber Products Co.,Ltd.