PINGXIANG HUSHENG RUBBER PRODUCTS CO.,LTD

5V Belt (15N) — Specification & Complete Size Chart

Narrow Wrapped V-Belt · Conforms to ISO 4184 · Shusheng Brand

Shusheng

Version 2026.1

October 2026

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5V Belt (15N) — Specification, Materials & Complete Size Chart

1. 5V Belt Overview

A wrapped narrow V-belt that carries 50–100% more power than a classical V-belt of the same top width.

The 5V belt, also designated 15N, is a wrapped narrow V-belt with a 5/8 inch (15.9 mm) top width and a 13.5 mm section height. It is the middle section of the 3V / 5V / 8V narrow V-belt family, and it transmits 50–100% more power than a classical V-belt of the same top width in the same drive frame.

Every 5V belt in this catalogue is manufactured to conform to the ISO 4184 standard for narrow V-belt drives (15N / 5V profile). The body is chloroprene rubber (CR) with a high-tenacity polyester tension cord and a wrapped fabric jacket, and the belt is moulded to length so that every belt in a multi-belt drive carries an equal share of the load.

This document keeps to the four things a buyer needs: how to read the 5V belt code (section 2), the complete technical specification (section 3), the materials and construction (section 4), and the full size list from **5V-440** to **5V-3660** (section 5). Contact and ordering information follows.

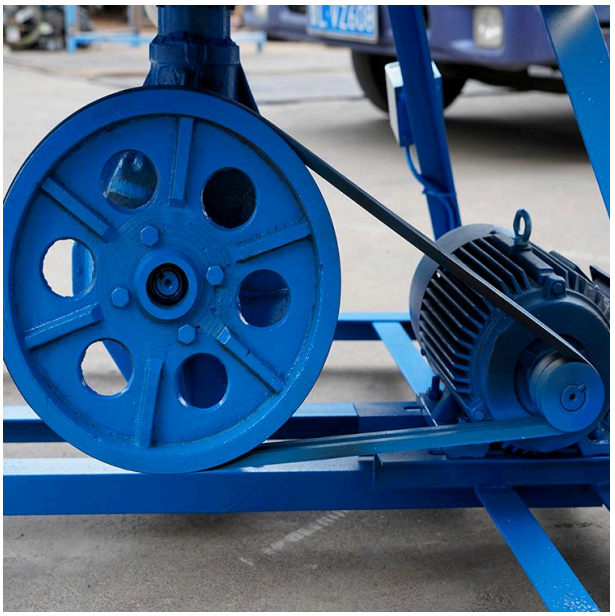


Figure 1: A 5V (15N) wrapped narrow V-belt running between a large driven sheave and an electric motor on an industrial drive.

2.1 Section dimensions

The 5V (15N) profile is defined by two dimensions: a **top width of 5/8 inch (15.9 mm)** and a **section height of 13.5 mm**. The sidewalls sit at a 40° included wedge angle, so the belt seats correctly in a matching 5V groove.

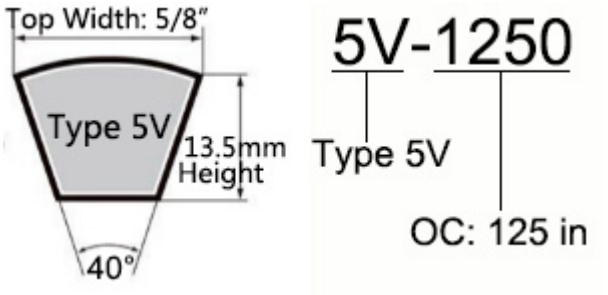


Figure 2: 5V (15N) belt cross-section showing the 5/8 inch (15.9 mm) top width, the 13.5 mm section height and the 40° wedge angle, together with the code naming convention (5V-1250 = Type 5V, outside circumference 125 in).

2.2 What the code means

A 5V belt code is the section prefix **5V** followed by the outside circumference expressed in tenths of an inch. The code **5V-1250** therefore means a Type 5V (15N) narrow V-belt with an outside circumference of **125.0 inches**, which is 3,175 mm. In the same way, 5V-440 has an outside circumference of 44.0 inches (1,118 mm), and 5V-3660 has an outside circumference of 366.0 inches (9,296 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 a required pitch length has to be converted to the nearest 5V code before ordering — use the complete size chart in sectio n 5 for that conversion.

2.3 Marking on the belt

Each belt is moulded with the section prefix, the outside-circumference code and a production code on the wrapped cover, together with the anti-static, oil-resistant and heat-resistant class markings. A belt that has been in service can therefore be identified and re-ordered without measuring the drive. The example belt shown below carries the code 5V520 together with the anti-static / oil & heat resistant jacket marking.



Figure 3: Belt marking detail on a wrapped 5V (15N) narrow V-belt: the moulded 5V520 code and the anti-static / oil & heat resistant jacket marking on the cover.

2.4 Matched sets

For any drive that runs more than one belt, order a matched set. Because the belts are moulded to a consistent length, every belt in the set carries the same share of the load. A single new belt fitted beside worn belts runs tight, takes almost all the tension and fails early, so the full set is always replaced together.

3. Technical Specifications

The values below are the same for every size in the range, from the shortest 5V-440 to the longest 5V-3660.

Table 1 (15N) 5V Belt — Technical Specifications

Property	Specification
Profile / Section	5V (15N) wrapped narrow V-belt
Top Width	5/8 in (15.9 mm)
Section Height	13.5 mm (0.53 in)
Wedge Angle	40° (included)
Body Compound	Chloroprene rubber (CR)
Tension Member	High-tenacity polyester cord
Outer Cover	Wrapped treated fabric jacket
Standard	Conforms to ISO 4184 (15N / 5V profile, narrow V-belts)
Transmission Efficiency	95%+

Maximum Belt Speed	40 m/s
Operating Temperature	−40 °C to +90 °C
Resistance	Oil, chemical, ozone and anti-static
Power vs Classical V-Belt	+50–100% at equal top width
Length Range (Outside Circ.)	5V-440 to 5V-3660 — 44.0 in – 366.0 in (1,118 mm – 9,296 mm)
Minimum Order Quantity	20 pcs per size
Standard Delivery	15–20 days from order confirmation
Indicative Price Range	US$12.11 – US$88.99 per piece (varies by size and quantity)

In plain terms, the 5V belt has a 5/8 inch (15.9 mm) top width, a 13.5 mm section height and a 40° wedge, and runs at up to 40 m/s between −40 °C and +90 °C.

4. Materials & Construction

Three layers, each doing one job: a polyester cord to carry the load, chloroprene rubber to hold the section, and a wrapped fabric jacket to protect and grip.

4.1 Tension member

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

4.2 Body compound

The compression section is chloroprene rubber (CR), which gives the belt heat and cold resistance, oil and chemical resistance, ozone resistance and anti-static performance for plant environments.

4.3 Outer cover

A treated fabric is wrapped around the full belt. It protects the sidewalls from abrasion and oil mist, and raises the friction the belt needs in the sheave groove, which is what keeps the drive gripping when the load spikes.

5. Complete 5V Size Chart

Table 2 Complete (15N) 5V Belt Size Chart — Part 1 of 2 (5V-440 to 5V-1940)

Belt Code	OC (in)	OC (mm)	Belt Code	OC (in)	OC (mm)	Belt Code	OC (in)	OC (mm)	Belt Code	OC (in)	OC (mm)
5V-440	44.0	1118	5V-860	86.0	2184	5V-1200	120.0	3048	5V-1550	155.0	3937
5V-450	45.0	1143	5V-870	87.0	2210	5V-1210	121.0	3073	5V-1560	156.0	3962
5V-460	46.0	1168	5V-880	88.0	2235	5V-1220	122.0	3099	5V-1570	157.0	3988
5V-470	47.0	1194	5V-890	89.0	2261	5V-1230	123.0	3124	5V-1575	157.5	4000
5V-480	48.0	1219	5V-900	90.0	2286	5V-1240	124.0	3150	5V-1580	158.0	4013
5V-490	49.0	1245	5V-902	90.2	2291	5V-1250	125.0	3175	5V-1590	159.0	4039
5V-492	49.2	1250	5V-909	90.9	2309	5V-1260	126.0	3200	5V-1598	159.8	4059
5V-500	50.0	1270	5V-910	91.0	2311	5V-1270	127.0	3226	5V-1600	160.0	4064
5V-510	51.0	1295	5V-920	92.0	2337	5V-1280	128.0	3251	5V-1610	161.0	4089
5V-520	52.0	1321	5V-930	93.0	2362	5V-1290	129.0	3277	5V-1620	162.0	4115
5V-530	53.0	1346	5V-940	94.0	2388	5V-1300	130.0	3302	5V-1630	163.0	4140
5V-540	54.0	1372	5V-950	95.0	2413	5V-1310	131.0	3327	5V-1639	163.9	4163
5V-550	55.0	1397	5V-960	96.0	2438	5V-1319	131.9	3350	5V-1640	164.0	4166
5V-560	56.0	1422	5V-965	96.5	2451	5V-1320	132.0	3353	5V-1650	165.0	4191
5V-570	57.0	1448	5V-970	97.0	2464	5V-1330	133.0	3378	5V-1660	166.0	4216
5V-580	58.0	1473	5V-980	98.0	2489	5V-1339	133.9	3401	5V-1670	167.0	4242
5V-590	59.0	1499	5V-984	98.4	2499	5V-1340	134.0	3404	5V-1680	168.0	4267
5V-600	60.0	1524	5V-990	99.0	2515	5V-1350	135.0	3429	5V-1690	169.0	4293
5V-610	61.0	1549	5V-1000	100.0	2540	5V-1358	135.8	3449	5V-1700	170.0	4318
5V-620	62.0	1575	5V-1010	101.0	2565	5V-1360	136.0	3454	5V-1710	171.0	4343
5V-630	63.0	1600	5V-1016	101.6	2581	5V-1370	137.0	3480	5V-1720	172.0	4369
5V-640	64.0	1626	5V-1020	102.0	2591	5V-1378	137.8	3500	5V-1730	173.0	4394
5V-650	65.0	1651	5V-1024	102.4	2601	5V-1380	138.0	3505	5V-1740	174.0	4420
5V-660	66.0	1676	5V-1030	103.0	2616	5V-1390	139.0	3531	5V-1750	175.0	4445
5V-670	67.0	1702	5V-1040	104.0	2642	5V-1398	139.8	3551	5V-1760	176.0	4470
5V-680	68.0	1727	5V-1042	104.2	2647	5V-1400	140.0	3556	5V-1770	177.0	4496
5V-690	69.0	1753	5V-1050	105.0	2667	5V-1410	141.0	3581	5V-1772	177.2	4501
5V-700	70.0	1778	5V-1056	105.6	2682	5V-1417	141.7	3599	5V-1780	178.0	4521
5V-709	70.9	1801	5V-1059	105.9	2690	5V-1420	142.0	3607	5V-1790	179.0	4547
5V-710	71.0	1803	5V-1060	106.0	2692	5V-1430	143.0	3632	5V-1800	180.0	4572
5V-720	72.0	1829	5V-1070	107.0	2718	5V-1440	144.0	3658	5V-1810	181.0	4597
5V-730	73.0	1854	5V-1080	108.0	2743	5V-1450	145.0	3683	5V-1820	182.0	4623
5V-740	74.0	1880	5V-1090	109.0	2769	5V-1455	145.5	3696	5V-1830	183.0	4648
5V-750	75.0	1905	5V-1100	110.0	2794	5V-1460	146.0	3708	5V-1831	183.1	4651
5V-760	76.0	1930	5V-1102	110.2	2799	5V-1470	147.0	3734	5V-1840	184.0	4674
5V-768	76.8	1951	5V-1110	111.0	2819	5V-1476	147.6	3749	5V-1850	185.0	4699
5V-770	77.0	1956	5V-1118	111.8	2840	5V-1480	148.0	3759	5V-1860	186.0	4724
5V-780	78.0	1981	5V-1120	112.0	2845	5V-1490	149.0	3785	5V-1870	187.0	4750
5V-790	79.0	2007	5V-1130	113.0	2870	5V-1496	149.6	3800	5V-1880	188.0	4775
5V-800	80.0	2032	5V-1140	114.0	2896	5V-1500	150.0	3810	5V-1890	189.0	4801
5V-810	81.0	2057	5V-1150	115.0	2921	5V-1510	151.0	3835	5V-1900	190.0	4826
5V-820	82.0	2083	5V-1160	116.0	2946	5V-1520	152.0	3861	5V-1910	191.0	4851
5V-830	83.0	2108	5V-1170	117.0	2972	5V-1530	153.0	3886	5V-1920	192.0	4877
5V-840	84.0	2134	5V-1180	118.0	2997	5V-1535	153.5	3899	5V-1930	193.0	4902
5V-850	85.0	2159	5V-1190	119.0	3023	5V-1540	154.0	3912	5V-1940	194.0	4928

Table 3 Complete (15N) 5V Belt Size Chart — Part 2 of 2 (5V-1949 to 5V-3660)

Belt Code	OC (in)	OC (mm)	Belt Code	OC (in)	OC (mm)	Belt Code	OC (in)	OC (mm)	Belt Code	OC (in)	OC (mm)
5V-1949	194.9	4950	5V-2340	234.0	5944	5V-2790	279.0	7087	5V-3230	323.0	8204
5V-1950	195.0	4953	5V-2350	235.0	5969	5V-2800	280.0	7112	5V-3240	324.0	8230
5V-1960	196.0	4978	5V-2360	236.0	5994	5V-2810	281.0	7137	5V-3250	325.0	8255
5V-1969	196.9	5001	5V-2370	237.0	6020	5V-2820	282.0	7163	5V-3260	326.0	8280
5V-1970	197.0	5004	5V-2380	238.0	6045	5V-2830	283.0	7188	5V-3270	327.0	8306
5V-1980	198.0	5029	5V-2390	239.0	6071	5V-2840	284.0	7214	5V-3280	328.0	8331
5V-1990	199.0	5055	5V-2400	240.0	6096	5V-2850	285.0	7239	5V-3290	329.0	8357
5V-2000	200.0	5080	5V-2410	241.0	6121	5V-2860	286.0	7264	5V-3300	330.0	8382
5V-2008	200.8	5100	5V-2420	242.0	6147	5V-2870	287.0	7290	5V-3310	331.0	8407
5V-2010	201.0	5105	5V-2430	243.0	6172	5V-2880	288.0	7315	5V-3320	332.0	8433
5V-2020	202.0	5131	5V-2440	244.0	6198	5V-2890	289.0	7341	5V-3330	333.0	8458
5V-2030	203.0	5156	5V-2450	245.0	6223	5V-2894	289.4	7351	5V-3340	334.0	8484
5V-2040	204.0	5182	5V-2460	246.0	6248	5V-2900	290.0	7366	5V-3350	335.0	8509
5V-2050	205.0	5207	5V-2470	247.0	6274	5V-2910	291.0	7391	5V-3360	336.0	8534
5V-2060	206.0	5232	5V-2480	248.0	6299	5V-2920	292.0	7417	5V-3370	337.0	8560
5V-2070	207.0	5258	5V-2490	249.0	6325	5V-2930	293.0	7442	5V-3380	338.0	8585
5V-2080	208.0	5283	5V-2500	250.0	6350	5V-2940	294.0	7468	5V-3390	339.0	8611
5V-2090	209.0	5309	5V-2510	251.0	6375	5V-2950	295.0	7493	5V-3400	340.0	8636
5V-2100	210.0	5334	5V-2520	252.0	6401	5V-2960	296.0	7518	5V-3410	341.0	8661
5V-2110	211.0	5359	5V-2530	253.0	6426	5V-2970	297.0	7544	5V-3420	342.0	8687
5V-2118	211.8	5380	5V-2540	254.0	6452	5V-2980	298.0	7569	5V-3430	343.0	8712
5V-2120	212.0	5385	5V-2550	255.0	6477	5V-2990	299.0	7595	5V-3440	344.0	8738
5V-2130	213.0	5410	5V-2560	256.0	6502	5V-3000	300.0	7620	5V-3450	345.0	8763
5V-2140	214.0	5436	5V-2570	257.0	6528	5V-3010	301.0	7645	5V-3460	346.0	8788
5V-2150	215.0	5461	5V-2580	258.0	6553	5V-3020	302.0	7671	5V-3470	347.0	8814
5V-2160	216.0	5486	5V-2590	259.0	6579	5V-3030	303.0	7696	5V-3480	348.0	8839
5V-2165	216.5	5499	5V-2600	260.0	6604	5V-3040	304.0	7722	5V-3490	349.0	8865
5V-2170	217.0	5512	5V-2610	261.0	6629	5V-3050	305.0	7747	5V-3500	350.0	8890
5V-2180	218.0	5537	5V-2620	262.0	6655	5V-3060	306.0	7772	5V-3510	351.0	8915
5V-2190	219.0	5563	5V-2630	263.0	6680	5V-3070	307.0	7798	5V-3520	352.0	8941
5V-2200	220.0	5588	5V-2640	264.0	6706	5V-3080	308.0	7823	5V-3530	353.0	8966
5V-2210	221.0	5613	5V-2650	265.0	6731	5V-3090	309.0	7849	5V-3540	354.0	8992
5V-2220	222.0	5639	5V-2660	266.0	6756	5V-3100	310.0	7874	5V-3550	355.0	9017
5V-2225	222.5	5652	5V-2670	267.0	6782	5V-3110	311.0	7899	5V-3560	356.0	9042
5V-2230	223.0	5664	5V-2680	268.0	6807	5V-3120	312.0	7925	5V-3570	357.0	9068
5V-2240	224.0	5690	5V-2690	269.0	6833	5V-3130	313.0	7950	5V-3580	358.0	9093
5V-2250	225.0	5715	5V-2700	270.0	6858	5V-3140	314.0	7976	5V-3590	359.0	9119
5V-2260	226.0	5740	5V-2710	271.0	6883	5V-3150	315.0	8001	5V-3600	360.0	9144
5V-2270	227.0	5766	5V-2720	272.0	6909	5V-3160	316.0	8026	5V-3610	361.0	9169
5V-2280	228.0	5791	5V-2730	273.0	6934	5V-3170	317.0	8052	5V-3620	362.0	9195
5V-2290	229.0	5817	5V-2740	274.0	6960	5V-3180	318.0	8077	5V-3630	363.0	9220
5V-2300	230.0	5842	5V-2750	275.0	6985	5V-3190	319.0	8103	5V-3640	364.0	9246
5V-2310	231.0	5867	5V-2760	276.0	7010	5V-3200	320.0	8128	5V-3650	365.0	9271
5V-2320	232.0	5893	5V-2770	277.0	7036	5V-3210	321.0	8153	5V-3660	366.0	9296
5V-2330	233.0	5918	5V-2780	278.0	7061	5V-3220	322.0	8179			

Every size in the range — 359 belt codes from 5V-440 to 5V-3660 — is listed above with its outside circumference in inches and millimetres. OC is the outside circumference: the figure after 5V gives it in tenths of an inch, and the millimetre column converts that circumference at 1 in = 25.4 mm. Each table holds one consecutive block of the range.

5V-440 is the shortest belt in this listing, with an outside circumference of 44.0 inches (1,118 mm). 5V-3660 is the longest, with an outside circumference of 366.0 inches (9,296 mm). Every size in the chart is available to order; lengths outside the range are supplied as custom items.

> All 5V belts in this catalogue are manufactured to conform to the ISO 4184 standard for narrow V-belt drives (15N / 5V profile), which fixes the section dimensions and the length tolerances and keeps the belt interchangeable with any other 5V belt made to the same standard.

Download the 5V Belt Specification PDF from the product page: https://drive-belt.com/v-belts/5v-belt

6. Contact & Ordering Information

Send the belt code, the quantity and the required delivery date. We will confirm stock, issue a formal quote and ship within 15–20 days.

> **Company:** Pingxiang Husheng Rubber Products Co.,Ltd
> **Brand:** Shusheng
> **Official website:** https://drive-belt.com
> **5V Belt product page:** https://drive-belt.com/v-belts/5v-belt
> **Email:** panhusheng@zohomail.cn
> **Tel / WhatsApp:** +86 151 0799 3145
> **Address:** No. 132 Xihuan Road, Anyuan District, Pingxiang City, Jiangxi Province, China

For live size options, pricing and the download link to this specification file, return to the 5V Belt product page at https://drive-belt.com/v-belts/5v-belt.

5V Belt (15N) — Specification, Materials & Complete Size Chart. Document version 2026.1, October 2026. Profile (15N) 5V • 5/8 in (15.9 mm) × 13.5 mm • conforms to ISO 4184. Prepared by Shusheng / Pingxiang Husheng Rubber Products Co.,Ltd.