PINGXIANG HUSHENG RUBBER PRODUCTS CO.,LTD

SPA Belt — Specification & Complete Size Chart

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

Shusheng

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SPA Belt — Specification, Materials & Complete Size Chart

1. SPA Belt Overview

The 12.7 mm section that covers most medium-power industrial drives.

The SPA belt is a wrapped metric narrow V-belt with a 12.7 mm top width and a 10 mm section height. It sits in the middle of the SP narrow V-belt family (SPZ, SPA, SPB, SPC), and its 40° wedge sinks into the sheave groove so that it grips with the sidewalls rather than the base — which is why an SPA drive carries more power than a classical A-section belt of the same width.

Every SPA belt in this catalogue is manufactured to conform to the ISO 4184 standard for narrow V-belt drives. The body is chloroprene rubber (CR) with a stretch-resistant polyester tension cord and a wrapped fabric jacket, and the belt is moulded to datum 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 SPA belt code (section 2), the complete technical specification (section 3), the materials and construction (section 5), and the full size list from **SPA-550** to **SPA-5282** (section 4). Contact and ordering information follows.



Figure 1: A wrapped SPA narrow V-belt — 12.7 mm top width, 10 mm section height — with the moulded SPA900 code and the anti-static / oil & heat resistant jacket marking on the cover.

2. Belt Marking & Code Meaning

How the section, the dimensions and the code on the belt are read.

2.1 Section dimensions

matching SPA groove.

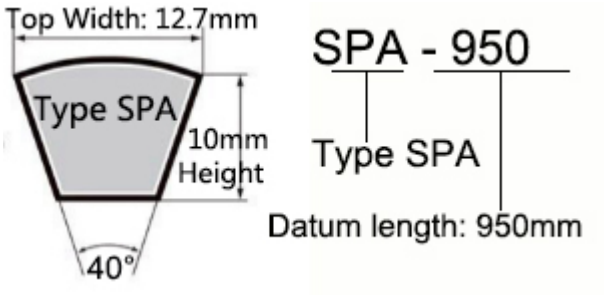


Figure 2: SPA belt cross-section showing the 12.7 mm top width, the 10 mm section height and the 40° wedge angle, together with the code naming convention (SPA-950 = Type SPA, datum length 950 mm).

2.2 What the code means

An SPA belt code is the section prefix **SPA** followed by the **datum length in millimetres**. The code **SPA-950** therefore means a Type SPA narrow V-belt with a datum length of **950 mm**. In the same way, the shortest belt in this catalogue, **SPA-550**, has a datum length of 550 mm, and the longest, **SPA-5282**, has a datum length of 5,282 mm.

The number is the datum length — the length measured at the cord line of the belt in accordance with ISO 4184 — not the outside circumference. On the metric SP sections the code is already in millimetres, which is why the size chart in section 4 needs no inch-to-millimetre conversion: every figure is a whole millimetre.

2.3 Marking on the belt

Each belt is moulded with the section prefix, the datum-length 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 above carries the code SPA900 together with the anti-static / oil & heat resistant jacket marking.

2.4 Matched sets

Drives that run more than one belt should be ordered as a matched set. Moulded-to-datum-length belts share the load evenly, whereas one new belt beside worn belts runs tight, takes almost all the tension and fails early — so replace the full set together.

3. Technical Specifications

The values below are the same for every size in the range, from the shortest SPA-550 to the longest SPA-5282.

Table 1 SPA Belt — Technical Specifications

Property	Specification
Profile / Section	SPA wrapped metric narrow V-belt
Top Width	12.7 mm
Section Height	10 mm
Wedge Angle	40° (included)
Body Compound	Chloroprene rubber (CR)
Tension Member	Stretch-resistant polyester cord
Outer Cover	Wrapped treated fabric jacket
Standard	Conforms to ISO 4184 (SPA 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
Datum Length Range	SPA-550 to SPA-5282 — 550 mm – 5,282 mm
Minimum Order Quantity	100 pcs per size
Standard Delivery	15–20 days from order confirmation
Indicative Price Range	US$4.39 – US$29.99 per piece (varies by size and quantity)

In plain terms, the SPA belt has a 12.7 mm top width, a 10 mm section height and a 40° wedge, and runs at up to 40 m/s between −40 °C and +90 °C.

3.1 Reading an SPA belt code

Three worked examples show how a code maps to the dimensions. **SPA-550** has a datum length of 550 mm, **SPA-950** has a datum length of 950 mm, and **SPA-5282** has a datum length of 5,282 mm; every SPA belt shares the same 12.7 mm top width and 10 mm section height.

Table 2 Worked examples — how an SPA belt code reads

Belt Code	Datum Length (mm)	Top Width	Section Height
SPA-550	550	12.7 mm	10 mm
SPA-950	950	12.7 mm	10 mm
SPA-5282	5,282	12.7 mm	10 mm

4. Complete SPA Size Chart

Table 3 Complete SPA Belt Size Chart — Part 1 of 1 (SPA-550 to SPA-5282)

Belt Code	Datum Length (mm)	Belt Code	Datum Length (mm)	Belt Code	Datum Length (mm)	Belt Code	Datum Length (mm)	Belt Code	Datum Length (mm)	Belt Code	Datum Length (mm)
SPA-550	550	SPA-1057	1,057	SPA-1464	1,464	SPA-1950	1,950	SPA-2414	2,414	SPA-3350	3,350
SPA-582	582	SPA-1060	1,060	SPA-1482	1,482	SPA-1957	1,957	SPA-2430	2,430	SPA-3382	3,382
SPA-600	600	SPA-1064	1,064	SPA-1485	1,485	SPA-1964	1,964	SPA-2432	2,432	SPA-3400	3,400
SPA-607	607	SPA-1082	1,082	SPA-1500	1,500	SPA-1982	1,982	SPA-2450	2,450	SPA-3450	3,450
SPA-632	632	SPA-1090	1,090	SPA-1507	1,507	SPA-2000	2,000	SPA-2464	2,464	SPA-3482	3,482
SPA-657	657	SPA-1100	1,100	SPA-1514	1,514	SPA-2014	2,014	SPA-2482	2,482	SPA-3500	3,500
SPA-682	682	SPA-1102	1,102	SPA-1524	1,524	SPA-2020	2,020	SPA-2500	2,500	SPA-3532	3,532
SPA-707	707	SPA-1107	1,107	SPA-1532	1,532	SPA-2032	2,032	SPA-2507	2,507	SPA-3550	3,550
SPA-710	710	SPA-1114	1,114	SPA-1539	1,539	SPA-2039	2,039	SPA-2532	2,532	SPA-3570	3,570
SPA-714	714	SPA-1120	1,120	SPA-1550	1,550	SPA-2040	2,040	SPA-2540	2,540	SPA-3650	3,650
SPA-732	732	SPA-1132	1,132	SPA-1557	1,557	SPA-2057	2,057	SPA-2550	2,550	SPA-3682	3,682
SPA-735	735	SPA-1140	1,140	SPA-1564	1,564	SPA-2060	2,060	SPA-2564	2,564	SPA-3700	3,700
SPA-739	739	SPA-1150	1,150	SPA-1575	1,575	SPA-2064	2,064	SPA-2582	2,582	SPA-3732	3,732
SPA-747	747	SPA-1157	1,157	SPA-1582	1,582	SPA-2080	2,080	SPA-2607	2,607	SPA-3750	3,750
SPA-750	750	SPA-1162	1,162	SPA-1600	1,600	SPA-2082	2,082	SPA-2618	2,618	SPA-3782	3,782
SPA-757	757	SPA-1180	1,180	SPA-1607	1,607	SPA-2100	2,100	SPA-2632	2,632	SPA-3800	3,800
SPA-760	760	SPA-1182	1,182	SPA-1614	1,614	SPA-2102	2,102	SPA-2650	2,650	SPA-3832	3,832
SPA-764	764	SPA-1200	1,200	SPA-1632	1,632	SPA-2114	2,114	SPA-2682	2,682	SPA-3850	3,850
SPA-770	770	SPA-1207	1,207	SPA-1639	1,639	SPA-2120	2,120	SPA-2700	2,700	SPA-3882	3,882
SPA-782	782	SPA-1210	1,210	SPA-1650	1,650	SPA-2132	2,132	SPA-2714	2,714	SPA-3932	3,932
SPA-787	787	SPA-1215	1,215	SPA-1657	1,657	SPA-2150	2,150	SPA-2732	2,732	SPA-3982	3,982
SPA-789	789	SPA-1232	1,232	SPA-1664	1,664	SPA-2157	2,157	SPA-2750	2,750	SPA-4000	4,000
SPA-800	800	SPA-1235	1,235	SPA-1670	1,670	SPA-2160	2,160	SPA-2757	2,757	SPA-4032	4,032
SPA-807	807	SPA-1250	1,250	SPA-1682	1,682	SPA-2164	2,164	SPA-2764	2,764	SPA-4082	4,082
SPA-814	814	SPA-1257	1,257	SPA-1690	1,690	SPA-2180	2,180	SPA-2782	2,782	SPA-4132	4,132
SPA-832	832	SPA-1270	1,270	SPA-1700	1,700	SPA-2182	2,182	SPA-2800	2,800	SPA-4182	4,182
SPA-850	850	SPA-1272	1,272	SPA-1707	1,707	SPA-2192	2,192	SPA-2827	2,827	SPA-4232	4,232
SPA-857	857	SPA-1282	1,282	SPA-1714	1,714	SPA-2200	2,200	SPA-2832	2,832	SPA-4282	4,282
SPA-864	864	SPA-1287	1,287	SPA-1732	1,732	SPA-2207	2,207	SPA-2847	2,847	SPA-4332	4,332
SPA-882	882	SPA-1295	1,295	SPA-1739	1,739	SPA-2222	2,222	SPA-2882	2,882	SPA-4382	4,382
SPA-890	890	SPA-1300	1,300	SPA-1750	1,750	SPA-2232	2,232	SPA-2896	2,896	SPA-4432	4,432
SPA-900	900	SPA-1307	1,307	SPA-1757	1,757	SPA-2240	2,240	SPA-2900	2,900	SPA-4482	4,482
SPA-907	907	SPA-1320	1,320	SPA-1764	1,764	SPA-2250	2,250	SPA-2932	2,932	SPA-4500	4,500
SPA-914	914	SPA-1332	1,332	SPA-1782	1,782	SPA-2260	2,260	SPA-2957	2,957	SPA-4532	4,532
SPA-925	925	SPA-1339	1,339	SPA-1785	1,785	SPA-2282	2,282	SPA-2962	2,962	SPA-4582	4,582
SPA-932	932	SPA-1350	1,350	SPA-1800	1,800	SPA-2286	2,286	SPA-2982	2,982	SPA-4632	4,632
SPA-939	939	SPA-1357	1,357	SPA-1807	1,807	SPA-2300	2,300	SPA-3000	3,000	SPA-4670	4,670
SPA-950	950	SPA-1367	1,367	SPA-1814	1,814	SPA-2310	2,310	SPA-3082	3,082	SPA-4682	4,682
SPA-957	957	SPA-1382	1,382	SPA-1832	1,832	SPA-2314	2,314	SPA-3100	3,100	SPA-4732	4,732
SPA-964	964	SPA-1385	1,385	SPA-1837	1,837	SPA-2320	2,320	SPA-3132	3,132	SPA-4782	4,782
SPA-975	975	SPA-1400	1,400	SPA-1839	1,839	SPA-2332	2,332	SPA-3150	3,150	SPA-4832	4,832
SPA-982	982	SPA-1407	1,407	SPA-1850	1,850	SPA-2342	2,342	SPA-3175	3,175	SPA-4882	4,882
SPA-992	992	SPA-1410	1,410	SPA-1857	1,857	SPA-2350	2,350	SPA-3182	3,182	SPA-4932	4,932
SPA-1000	1,000	SPA-1414	1,414	SPA-1864	1,864	SPA-2360	2,360	SPA-3200	3,200	SPA-4982	4,982
SPA-1007	1,007	SPA-1425	1,425	SPA-1882	1,882	SPA-2372	2,372	SPA-3232	3,232	SPA-5032	5,032
SPA-1012	1,012	SPA-1432	1,432	SPA-1900	1,900	SPA-2380	2,380	SPA-3250	3,250	SPA-5082	5,082
SPA-1020	1,020	SPA-1439	1,439	SPA-1907	1,907	SPA-2382	2,382	SPA-3282	3,282	SPA-5132	5,132
SPA-1025	1,025	SPA-1448	1,448	SPA-1914	1,914	SPA-2400	2,400	SPA-3318	3,318	SPA-5182	5,182
SPA-1032	1,032	SPA-1450	1,450	SPA-1932	1,932	SPA-2407	2,407	SPA-3332	3,332	SPA-5232	5,232
SPA-1042	1,042	SPA-1457	1,457	SPA-1939	1,939	SPA-2410	2,410	SPA-3340	3,340	SPA-5282	5,282

Every size in the range — 300 belt codes from SPA-550 to SPA-5282 — is listed above with its datum length in whole millimetres: the figure after SPA gives the datum length directly, measured at the cord line in accordance with ISO 4184, with no inch-to-millimetre conversion

and no decimal place. SPA-550 is the shortest belt listed, at 550 mm, and SPA-5282 is the longest, at 5,282 mm. Every size in the chart is available to order, and lengths outside the range are supplied as custom items.

> All SPA belts in this catalogue conform to the ISO 4184 standard for narrow V-belt drives, which fixes the section dimensions and length tolerances.

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

5. Materials & Construction

5.1 Tension member

Stretch-resistant polyester cords give the SPA belt its tensile strength with very low elongation under load, and stay bonded to the rubber body so the belt does not run slack after break-in.

5.2 Body compound and outer cover

The compression section is chloroprene rubber (CR), giving heat, cold, oil, chemical, ozone and anti-static resistance, and a treated fabric jacket is wrapped around the full belt to protect the sidewalls and keep the drive gripping.

5.3 Applications

The SPA belt drives printing presses, oil presses, agricultural machinery, textile machines and petrochemical lines.

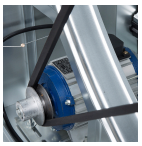


Figure 3: An SPA belt running on a motor and pulley drive — the wrapped jacket and CR body resist the heat, oil and dust of industrial and agricultural machines.

6. Contact & Ordering Information

Send the belt code and quantity; we will confirm stock and ship within 15–20 days.

Company: Pingxiang Husheng Rubber Products Co.,Ltd · **Brand:** Shusheng
Website: https://drive-belt.com · **SPA Belt page:** https://drive-belt.com/v-belts/spa-belt
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