PINGXIANG HUSHENG RUBBER PRODUCTS CO.,LTD

Type B Belt — Specification & Complete Size Chart

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

Shusheng

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Type B Belt — Specification, Materials & Complete Size Chart

1. Type B Belt Overview

The general-purpose classical section for everyday industrial drives.

The Type B belt is a classical wrapped V-belt section: a **17 mm (21/32 inch) top width**, an **11 mm section height** and a **40° included wedge angle**. It sits between the lighter A section and the heavier C section, and it is the belt most often specified for standard industrial drives — pumps, compressors, conveyors, mixers, planers, crushers, paper machines, ball mills, oil pumps and harvesters.

Every Type B belt in this catalogue is manufactured to conform to the ISO 4184 standard for classical V-belt drives. The body is a natural rubber compound with high-tenacity polyester tension cords and a square-woven wrapped fabric jacket, 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 B belt code (section 2), the complete technical specification (section 3), the materials and construction (section 5), and the full size list from **B-15** to **B-315** (section 4). Contact and ordering information follows.



Figure 1: A wrapped Type B classical V-belt set — 17 mm top width, 11 mm section height — with the moulded belt code on the wrapped fabric cover.

2. Belt Marking & Code Meaning

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

2.1 Section dimensions

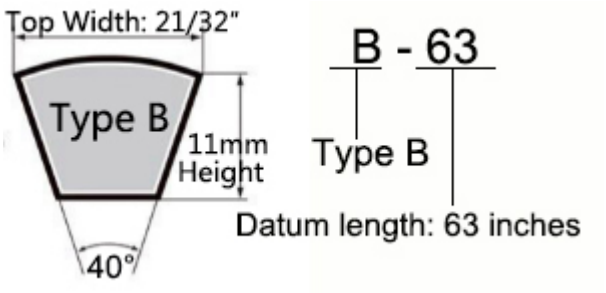


Figure 2: Type B belt cross-section showing the 21/32 inch (17 mm) top width, the 11 mm section height and the 40° wedge angle, together with the code naming convention (B-63 = Type B, datum length 63 inches).

2.2 What the code means

A Type B belt code is the section prefix **B** followed by the **datum length in inches**. The code **B-63** therefore means a Type B classical V-belt with a datum length of **63 inches (1,600 mm)**. In the same way, the shortest belt in this catalogue, **B-15**, has a datum length of 15 inches (381 mm), and the longest, **B-315**, has a datum length of 315 inches (8,001 mm).

The number is the datum length — measured at the cord line in accordance with ISO 4184 — not the outside circumference. Every figure in the size chart is rounded to the nearest whole millimetre, in line with the catalogue's rounding rule.

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 class marking. A belt that has been in service can therefore be identified and re-ordered without measuring the drive.

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 B-15 to the longest B-315.

Table 1 Type B Belt — Technical Specifications

Property	Specification
Profile / Section	Type B wrapped classical V-belt
Top Width	17 mm (21/32 inch)
Section Height	11 mm
Wedge Angle	40° (included)
Pulley Groove	40° included angle; groove dimensions conform to ISO 4184
Body Compound	Natural rubber (NR), fibre-reinforced
Tension Member	High-tenacity polyester cord, pre-tensioned
Outer Cover	Square-woven wrapped fabric jacket (cotton-polyester, rubber-impregnated)
Standard	Conforms to ISO 4184 (classical V-belts, B profile)
Transmission Efficiency	95%+
Maximum Belt Speed	30 m/s
Operating Temperature	−30 °C to +70 °C
Resistance	Anti-static, abrasion and dust resistant
Service Limitation	Natural rubber body — not intended for oil, chemical or sustained high-temperature service
Datum Length Range	B-15 to B-315 — 15″ – 315″ (381 mm – 8,001 mm)
Minimum Order Quantity	100 pcs per size
Standard Delivery	15–20 days from order confirmation
Indicative Price Range	US$4.88 – US$48.00 per piece (varies by size and quantity)

In plain terms, the Type B belt has a 17 mm (21/32 inch) top width, an 11 mm section height and a 40° wedge, and runs at up to 30 m/s between −30 °C and +70 °C.

3.1 Reading a Type B belt code

Three worked examples show how a code maps to the dimensions. **B-15** has a datum length of 15 inches (381 mm), **B-63** has a datum length of 63 inches (1,600 mm), and **B-315** has a datum length of 315 inches (8,001 mm); every Type B belt shares the same 17 mm top width and 11 mm section height.

Table 2 Worked examples — how a Type B belt code reads

Belt Code	Datum Length (in)	Datum Length (mm)	Top Width	Section Height
B-15	15	381	17 mm	11 mm
B-63	63	1,600	17 mm	11 mm
B-315	315	8,001	17 mm	11 mm

4. Complete Type B Size Chart

Table 3 Complete Type B Belt Size Chart — 301 codes, B-15 to B-315

Belt Code	Datum (in)	Datum (mm)	Belt Code	Datum (in)	Datum (mm)	Belt Code	Datum (in)	Datum (mm)	Belt Code	Datum (in)	Datum (mm)	Belt Code	Datum (in)	Datum (mm)	Belt Code	Datum (in)	Datum (mm)	Belt Code	Datum (in)	Datum (mm)
B-15	15	381	B-58	58	1,473	B-101	101	2,565	B-144	144	3,658	B-187	187	4,750	B-230	230	5,842	B-273	273	6,934
B-16	16	406	B-59	59	1,499	B-102	102	2,591	B-145	145	3,683	B-188	188	4,775	B-231	231	5,867	B-274	274	6,960
B-17	17	432	B-60	60	1,524	B-103	103	2,616	B-146	146	3,708	B-189	189	4,801	B-232	232	5,893	B-275	275	6,985
B-18	18	457	B-61	61	1,549	B-104	104	2,642	B-147	147	3,734	B-190	190	4,826	B-233	233	5,918	B-276	276	7,010
B-19	19	483	B-62	62	1,575	B-105	105	2,667	B-148	148	3,759	B-191	191	4,851	B-234	234	5,944	B-277	277	7,036
B-20	20	508	B-63	63	1,600	B-106	106	2,692	B-149	149	3,785	B-192	192	4,877	B-235	235	5,969	B-278	278	7,061
B-21	21	533	B-64	64	1,626	B-107	107	2,718	B-150	150	3,810	B-193	193	4,902	B-236	236	5,994	B-279	279	7,087
B-22	22	559	B-65	65	1,651	B-108	108	2,743	B-151	151	3,835	B-194	194	4,928	B-237	237	6,020	B-280	280	7,112
B-23	23	584	B-66	66	1,676	B-109	109	2,769	B-152	152	3,861	B-195	195	4,953	B-238	238	6,045	B-281	281	7,137
B-24	24	610	B-67	67	1,702	B-110	110	2,794	B-153	153	3,886	B-196	196	4,978	B-239	239	6,071	B-282	282	7,163
B-25	25	635	B-68	68	1,727	B-111	111	2,819	B-154	154	3,912	B-197	197	5,004	B-240	240	6,096	B-283	283	7,188
B-26	26	660	B-69	69	1,753	B-112	112	2,845	B-155	155	3,937	B-198	198	5,029	B-241	241	6,121	B-284	284	7,214
B-27	27	686	B-70	70	1,778	B-113	113	2,870	B-156	156	3,962	B-199	199	5,055	B-242	242	6,147	B-285	285	7,239
B-28	28	711	B-71	71	1,803	B-114	114	2,896	B-157	157	3,988	B-200	200	5,080	B-243	243	6,172	B-286	286	7,264
B-29	29	737	B-72	72	1,829	B-115	115	2,921	B-158	158	4,013	B-201	201	5,105	B-244	244	6,198	B-287	287	7,290
B-30	30	762	B-73	73	1,854	B-116	116	2,946	B-159	159	4,039	B-202	202	5,131	B-245	245	6,223	B-288	288	7,315
B-31	31	787	B-74	74	1,880	B-117	117	2,972	B-160	160	4,064	B-203	203	5,156	B-246	246	6,248	B-289	289	7,341
B-32	32	813	B-75	75	1,905	B-118	118	2,997	B-161	161	4,089	B-204	204	5,182	B-247	247	6,274	B-290	290	7,366
B-33	33	838	B-76	76	1,930	B-119	119	3,023	B-162	162	4,115	B-205	205	5,207	B-248	248	6,299	B-291	291	7,391
B-34	34	864	B-77	77	1,956	B-120	120	3,048	B-163	163	4,140	B-206	206	5,232	B-249	249	6,325	B-292	292	7,417
B-35	35	889	B-78	78	1,981	B-121	121	3,073	B-164	164	4,166	B-207	207	5,258	B-250	250	6,350	B-293	293	7,442
B-36	36	914	B-79	79	2,007	B-122	122	3,099	B-165	165	4,191	B-208	208	5,283	B-251	251	6,375	B-294	294	7,468
B-37	37	940	B-80	80	2,032	B-123	123	3,124	B-166	166	4,216	B-209	209	5,309	B-252	252	6,401	B-295	295	7,493
B-38	38	965	B-81	81	2,057	B-124	124	3,150	B-167	167	4,242	B-210	210	5,334	B-253	253	6,426	B-296	296	7,518
B-39	39	991	B-82	82	2,083	B-125	125	3,175	B-168	168	4,267	B-211	211	5,359	B-254	254	6,452	B-297	297	7,544
B-40	40	1,016	B-83	83	2,108	B-126	126	3,200	B-169	169	4,293	B-212	212	5,385	B-255	255	6,477	B-298	298	7,569
B-41	41	1,041	B-84	84	2,134	B-127	127	3,226	B-170	170	4,318	B-213	213	5,410	B-256	256	6,502	B-299	299	7,595
B-42	42	1,067	B-85	85	2,159	B-128	128	3,251	B-171	171	4,343	B-214	214	5,436	B-257	257	6,528	B-300	300	7,620
B-43	43	1,092	B-86	86	2,184	B-129	129	3,277	B-172	172	4,369	B-215	215	5,461	B-258	258	6,553	B-301	301	7,645
B-44	44	1,118	B-87	87	2,210	B-130	130	3,302	B-173	173	4,394	B-216	216	5,486	B-259	259	6,579	B-302	302	7,671
B-45	45	1,143	B-88	88	2,235	B-131	131	3,327	B-174	174	4,420	B-217	217	5,512	B-260	260	6,604	B-303	303	7,696
B-46	46	1,168	B-89	89	2,261	B-132	132	3,353	B-175	175	4,445	B-218	218	5,537	B-261	261	6,629	B-304	304	7,722
B-47	47	1,194	B-90	90	2,286	B-133	133	3,378	B-176	176	4,470	B-219	219	5,563	B-262	262	6,655	B-305	305	7,747
B-48	48	1,219	B-91	91	2,311	B-134	134	3,404	B-177	177	4,496	B-220	220	5,588	B-263	263	6,680	B-306	306	7,772
B-49	49	1,245	B-92	92	2,337	B-135	135	3,429	B-178	178	4,521	B-221	221	5,613	B-264	264	6,706	B-307	307	7,798
B-50	50	1,270	B-93	93	2,362	B-136	136	3,454	B-179	179	4,547	B-222	222	5,639	B-265	265	6,731	B-308	308	7,823
B-51	51	1,295	B-94	94	2,388	B-137	137	3,480	B-180	180	4,572	B-223	223	5,664	B-266	266	6,756	B-309	309	7,849
B-52	52	1,321	B-95	95	2,413	B-138	138	3,505	B-181	181	4,597	B-224	224	5,690	B-267	267	6,782	B-310	310	7,874
B-53	53	1,346	B-96	96	2,438	B-139	139	3,531	B-182	182	4,623	B-225	225	5,715	B-268	268	6,807	B-311	311	7,899
B-54	54	1,372	B-97	97	2,464	B-140	140	3,556	B-183	183	4,648	B-226	226	5,740	B-269	269	6,833	B-312	312	7,925
B-55	55	1,397	B-98	98	2,489	B-141	141	3,581	B-184	184	4,674	B-227	227	5,766	B-270	270	6,858	B-313	313	7,950
B-56	56	1,422	B-99	99	2,515	B-142	142	3,607	B-185	185	4,699	B-228	228	5,791	B-271	271	6,883	B-314	314	7,976
B-57	57	1,448	B-100	100	2,540	B-143	143	3,632	B-186	186	4,724	B-229	229	5,817	B-272	272	6,909	B-315	315	8,001

Every size in the range — **301 belt codes** from **B-15** to **B-315** — is listed above with the datum length in inches and the equivalent whole-millimetre figure. The figure after B gives the datum length directly in inches, measured at the cord line in accordance with ISO 4184; the millimetre column is the rounded conversion, and the chart runs in consecutive steps of 1 inch from B-15 to B-315. Lengths between the listed steps and outside the range are supplied as custom items.

All Type B belts in this catalogue conform to the ISO 4184 standard for classical V-belt drives, so a belt of a given code is dimensionally interchangeable with equivalent-profile belts from other mainstream manufacturers. **Download the Type B Belt Specification PDF** from the product page: https://drive-belt.com/v-belts/b-v-belt/

5. Materials & Construction

5.1 Tension member

High-tenacity polyester cords, adhesive-treated and pre-tensioned during curing, give the Type B belt its tensile strength with very low elongation under shock load, holding the datum length so the drive does not drift out of tension.

5.2 Body compound and outer cover

The compression section is a fibre-reinforced natural rubber compound that absorbs the shock of heavy startup, keeps the cross-section stable and resists compression cracking. A square-woven cotton-polyester fabric, rubber-impregnated, wraps the belt to raise sidewall friction, shrug off abrasion and dust, and meet anti-static requirements. Natural rubber is not intended for oil, chemical or sustained high-temperature service; such drives should use our oil- and heat-resistant narrow-section range (3V, 5V, 8V, SPZ, SPB and SPC).

5.3 Applications

The Type B belt drives HVAC air handlers, pumps, compressors, conveyors, mixers, planers, crushers, paper machines, ball mills, oil pumps and harvesters.



Figure 3: Type B V-belts driving a machine pulley — the 17 mm × 11 mm section is sized for continuous general-purpose industrial loads.

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
Type B Belt page: https://drive-belt.com/v-belts/b-v-belt/
Email: panhusheng@zohomail.cn
Tel / WhatsApp: +86 151 0799 3145
Address: No. 132 Xihuan Road, Anyuan District, Pingxiang City, Jiangxi Province, China