PINGXIANG HUSHENG RUBBER PRODUCTS CO.,LTD

Type C Belt — Specification & Complete Size Chart

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

Shusheng

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Type C Belt — Specification, Materials & Complete Size Chart

1. Type C Belt Overview

The most widely specified classical section for continuous industrial drives.

The Type C belt is a classical wrapped V-belt section: a **22 mm (7/8 inch) top width**, a **14 mm section height** and a **40° included wedge angle**. It sits above the B section in power capacity and is the belt most often specified when a drive moves from light duty into continuous production — concrete mixers, crushers, planers, combine harvesters, paper and pulp machines and ball mills.

Every Type C 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 C belt code (section 2), the complete technical specification (section 3), the materials and construction (section 5), and the full size list from **C-50** to **C-450** (section 4). Contact and ordering information follows.



Figure 1: A wrapped Type C classical V-belt set — 22 mm top width, 14 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

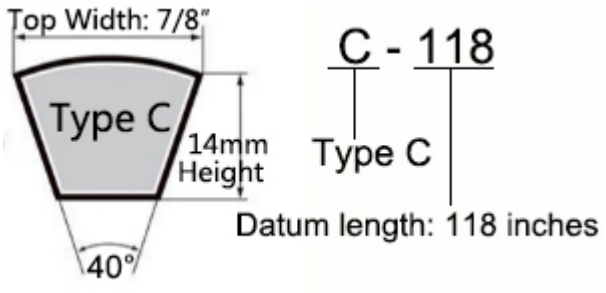


Figure 2: Type C belt cross-section showing the 7/8 inch (22 mm) top width, the 14 mm section height and the 40° wedge angle, together with the code naming convention (C-118 = Type C, datum length 118 inches).

2.2 What the code means

A Type C belt code is the section prefix **C** followed by the **datum length in inches**. The code **C-118** therefore means a Type C classical V-belt with a datum length of **118 inches (2,997 mm)**. In the same way, the shortest belt in this catalogue, **C-50**, has a datum length of 50 inches (1,270 mm), and the longest, **C-450**, has a datum length of 450 inches (11,430 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 C-50 to the longest C-450.

Table 1 Type C Belt — Technical Specifications

Property	Specification
Profile / Section	Type C wrapped classical V-belt
Top Width	22 mm (7/8 inch)
Section Height	14 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, C 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	C-50 to C-450 — 50″ – 450″ (1,270 mm – 11,430 mm)
Minimum Order Quantity	20 pcs per size
Standard Delivery	15–20 days from order confirmation
Indicative Price Range	US$13.71 – US$102.87 per piece (varies by size and quantity)

In plain terms, the Type C belt has a 22 mm (7/8 inch) top width, a 14 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 C belt code

Three worked examples show how a code maps to the dimensions. **C-50** has a datum length of 50 inches (1,270 mm), **C-118** has a datum length of 118 inches (2,997 mm), and **C-450** has a datum length of 450 inches (11,430 mm); every Type C belt shares the same 22 mm top width and 14 mm section height.

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

Belt Code	Datum Length (in)	Datum Length (mm)	Top Width	Section Height
C-50	50	1,270	22 mm	14 mm
C-118	118	2,997	22 mm	14 mm
C-450	450	11,430	22 mm	14 mm

4. Complete Type C Size Chart

Table 3 Complete Type C Belt Size Chart — 288 codes, C-50 to C-450

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)
C-50	50	1,270	C-98	98	2,489	C-146	146	3,708	C-194	194	4,928	C-242	242	6,147	C-290	290	7,366
C-51	51	1,295	C-99	99	2,515	C-147	147	3,734	C-195	195	4,953	C-243	243	6,172	C-291	291	7,391
C-52	52	1,321	C-100	100	2,540	C-148	148	3,759	C-196	196	4,978	C-244	244	6,198	C-292	292	7,417
C-53	53	1,346	C-101	101	2,565	C-149	149	3,785	C-197	197	5,004	C-245	245	6,223	C-293	293	7,442
C-54	54	1,372	C-102	102	2,591	C-150	150	3,810	C-198	198	5,029	C-246	246	6,248	C-294	294	7,468
C-55	55	1,397	C-103	103	2,616	C-151	151	3,835	C-199	199	5,055	C-247	247	6,274	C-295	295	7,493
C-56	56	1,422	C-104	104	2,642	C-152	152	3,861	C-200	200	5,080	C-248	248	6,299	C-296	296	7,518
C-57	57	1,448	C-105	105	2,667	C-153	153	3,886	C-201	201	5,105	C-249	249	6,325	C-297	297	7,544
C-58	58	1,473	C-106	106	2,692	C-154	154	3,912	C-202	202	5,131	C-250	250	6,350	C-298	298	7,569
C-59	59	1,499	C-107	107	2,718	C-155	155	3,937	C-203	203	5,156	C-251	251	6,375	C-299	299	7,595
C-60	60	1,524	C-108	108	2,743	C-156	156	3,962	C-204	204	5,182	C-252	252	6,401	C-300	300	7,620
C-61	61	1,549	C-109	109	2,769	C-157	157	3,988	C-205	205	5,207	C-253	253	6,426	C-301	301	7,645
C-62	62	1,575	C-110	110	2,794	C-158	158	4,013	C-206	206	5,232	C-254	254	6,452	C-302	302	7,671
C-63	63	1,600	C-111	111	2,819	C-159	159	4,039	C-207	207	5,258	C-255	255	6,477	C-303	303	7,696
C-64	64	1,626	C-112	112	2,845	C-160	160	4,064	C-208	208	5,283	C-256	256	6,502	C-304	304	7,722
C-65	65	1,651	C-113	113	2,870	C-161	161	4,089	C-209	209	5,309	C-257	257	6,528	C-305	305	7,747
C-66	66	1,676	C-114	114	2,896	C-162	162	4,115	C-210	210	5,334	C-258	258	6,553	C-306	306	7,772
C-67	67	1,702	C-115	115	2,921	C-163	163	4,140	C-211	211	5,359	C-259	259	6,579	C-307	307	7,798
C-68	68	1,727	C-116	116	2,946	C-164	164	4,166	C-212	212	5,385	C-260	260	6,604	C-308	308	7,823
C-69	69	1,753	C-117	117	2,972	C-165	165	4,191	C-213	213	5,410	C-261	261	6,629	C-309	309	7,849
C-70	70	1,778	C-118	118	2,997	C-166	166	4,216	C-214	214	5,436	C-262	262	6,655	C-310	310	7,874
C-71	71	1,803	C-119	119	3,023	C-167	167	4,242	C-215	215	5,461	C-263	263	6,680	C-311	311	7,899
C-72	72	1,829	C-120	120	3,048	C-168	168	4,267	C-216	216	5,486	C-264	264	6,706	C-312	312	7,925
C-73	73	1,854	C-121	121	3,073	C-169	169	4,293	C-217	217	5,512	C-265	265	6,731	C-313	313	7,950
C-74	74	1,880	C-122	122	3,099	C-170	170	4,318	C-218	218	5,537	C-266	266	6,756	C-314	314	7,976
C-75	75	1,905	C-123	123	3,124	C-171	171	4,343	C-219	219	5,563	C-267	267	6,782	C-315	315	8,001
C-76	76	1,930	C-124	124	3,150	C-172	172	4,369	C-220	220	5,588	C-268	268	6,807	C-320	320	8,128
C-77	77	1,956	C-125	125	3,175	C-173	173	4,394	C-221	221	5,613	C-269	269	6,833	C-325	325	8,255
C-78	78	1,981	C-126	126	3,200	C-174	174	4,420	C-222	222	5,639	C-270	270	6,858	C-330	330	8,382
C-79	79	2,007	C-127	127	3,226	C-175	175	4,445	C-223	223	5,664	C-271	271	6,883	C-335	335	8,509
C-80	80	2,032	C-128	128	3,251	C-176	176	4,470	C-224	224	5,690	C-272	272	6,909	C-340	340	8,636
C-81	81	2,057	C-129	129	3,277	C-177	177	4,496	C-225	225	5,715	C-273	273	6,934	C-345	345	8,763
C-82	82	2,083	C-130	130	3,302	C-178	178	4,521	C-226	226	5,740	C-274	274	6,960	C-350	350	8,890
C-83	83	2,108	C-131	131	3,327	C-179	179	4,547	C-227	227	5,766	C-275	275	6,985	C-355	355	9,017
C-84	84	2,134	C-132	132	3,353	C-180	180	4,572	C-228	228	5,791	C-276	276	7,010	C-360	360	9,144
C-85	85	2,159	C-133	133	3,378	C-181	181	4,597	C-229	229	5,817	C-277	277	7,036	C-365	365	9,271
C-86	86	2,184	C-134	134	3,404	C-182	182	4,623	C-230	230	5,842	C-278	278	7,061	C-370	370	9,398
C-87	87	2,210	C-135	135	3,429	C-183	183	4,648	C-231	231	5,867	C-279	279	7,087	C-375	375	9,525
C-88	88	2,235	C-136	136	3,454	C-184	184	4,674	C-232	232	5,893	C-280	280	7,112	C-380	380	9,652
C-89	89	2,261	C-137	137	3,480	C-185	185	4,699	C-233	233	5,918	C-281	281	7,137	C-385	385	9,779
C-90	90	2,286	C-138	138	3,505	C-186	186	4,724	C-234	234	5,944	C-282	282	7,163	C-390	390	9,906
C-91	91	2,311	C-139	139	3,531	C-187	187	4,750	C-235	235	5,969	C-283	283	7,188	C-395	395	10,033
C-92	92	2,337	C-140	140	3,556	C-188	188	4,775	C-236	236	5,994	C-284	284	7,214	C-400	400	10,160
C-93	93	2,362	C-141	141	3,581	C-189	189	4,801	C-237	237	6,020	C-285	285	7,239	C-410	410	10,414
C-94	94	2,388	C-142	142	3,607	C-190	190	4,826	C-238	238	6,045	C-286	286	7,264	C-420	420	10,668
C-95	95	2,413	C-143	143	3,632	C-191	191	4,851	C-239	239	6,071	C-287	287	7,290	C-430	430	10,922
C-96	96	2,438	C-144	144	3,658	C-192	192	4,877	C-240	240	6,096	C-288	288	7,315	C-440	440	11,176
C-97	97	2,464	C-145	145	3,683	C-193	193	4,902	C-241	241	6,121	C-289	289	7,341	C-450	450	11,430

Every size in the range — **288 belt codes** from **C-50** to **C-450** — is listed above with the datum length in inches and the equivalent whole-millimetre figure (rounded to the nearest mm). The figure after C gives the datum length directly in inches, measured at the cord line in accordance with ISO 4184; the millimetre column is the rounded conversion. The chart is stepped: codes run consecutively by 1 inch from C-50 to C-315, by 5 inches from C-320 to C-

400, and by 10 inches from C-410 to C-450. Lengths between the listed steps and outside the range are supplied as custom items.

> All Type C belts in this catalogue conform to the ISO 4184 standard for classical V-belt drives, which fixes the section dimensions and length tolerances so that a Type C belt of the same code is dimensionally interchangeable with equivalent-profile belts from other mainstream manufacturers.

Download the Type C Belt Specification PDF from the product page:
https://drive-belt.com/v-belts/c-section-belt

5. Materials & Construction

5.1 Tension member

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

5.2 Body compound and outer cover

The compression section is a fibre-reinforced natural rubber compound that absorbs the shock of heavy startup and varying load, keeps the cross-section stable and resists compression cracking under continuous operation. A square-woven cotton-polyester fabric, rubber-impregnated, wraps the full belt to raise sidewall friction, shrug off abrasion and dust, and meet anti-static requirements. Because the C-section body is natural rubber, drives exposed to oil splash, chemical contact or sustained high ambient heat should instead use our oil- and heat-resistant narrow-section range (3V, 5V, 8V, SPZ, SPB and SPC).

5.3 Applications

The Type C belt drives crushers, sand makers, mixers, planers, combine harvesters, grain conveyors, forging presses, paper and pulp machines, ball mills and oil pumps.



Figure 3: A pair of Type C V-belts driving a heavy-duty crusher pulley — the 22 mm × 14 mm section is sized for continuous 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 C Belt page: https://drive-belt.com/v-belts/c-section-belt
Email: panhusheng@zohomail.cn
Tel / WhatsApp: +86 151 0799 3145
Address: No. 132 Xihuan Road, Anyuan District, Pingxiang City, Jiangxi Province, China

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