chainSupply UK

2026 / 27 PRODUCT GUIDE

BS & ANSI ROLLER CHAINS

British Engineered Excellence

Since 2005



UK MANUFACTURER & SUPPLIER

csuk.store

WHO WE ARE

Chain Supply UK

Founded in 2005 to manufacture and supply all chain types, SMGUs and ancillary products for the industrial distribution market.



A British chain manufacturer based in **Rotherham, South Yorkshire**, Chain Supply UK designs, manufactures and stocks one of the widest ranges of **British Standard (BS)** and **American Standard (ANSI)** roller chains in the UK.

From a single replacement length for a baler on a Yorkshire farm to scheduled conveyor chain supply for a national food processor, we combine manufacturing depth with genuine engineering know-how — so you get the right chain, first time, with the shortest possible lead time.

Manufacturing is backed by an extensive **Rotherham stockholding** — simplex, duplex and triplex chains, agricultural S-series, stainless and maintenance-free ranges, plus sprockets, couplings and shaft-mounted gear units, all under one roof and all available for same-day dispatch.

BS Simplex · Duplex · Triplex | ANSI & Heavy Series | Agricultural S-Series | Stainless & Maintenance-Free | Attachment Chains | SMGU / SMSR Gear Units

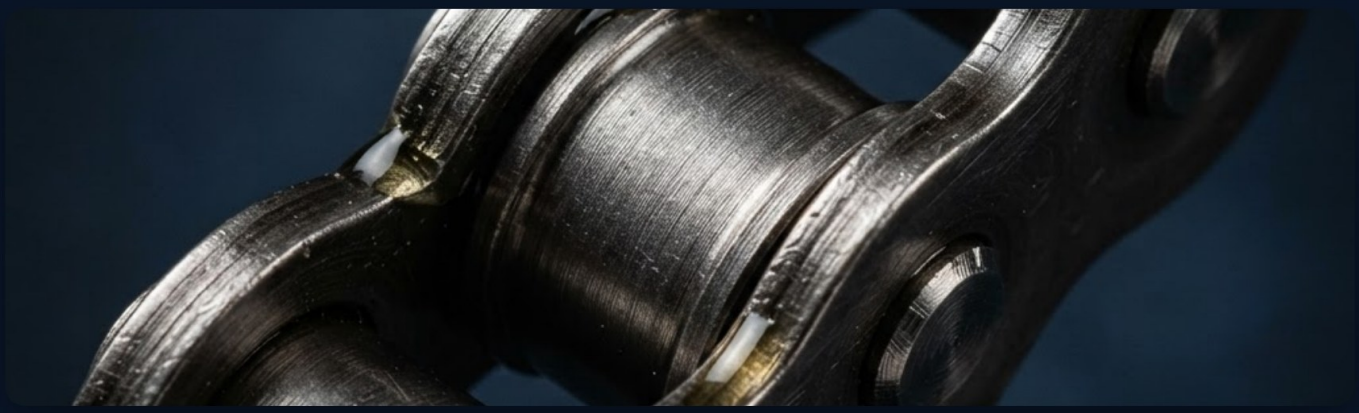
One of the widest BS & ANSI chain ranges in the UK — **designed, manufactured and stocked in Rotherham.**

2005	2	1000s	1pm
Founded & manufacturing since	Global standards BS & ANSI	Of stock lines ready to ship	Order cut-off for next-day dispatch

WHY CSUK

Engineered to outlast the chain it replaces

Every CSUK chain is built on six engineering features that extend fatigue life and wear life — delivering less downtime, more productivity and a lower total cost of ownership.



01

Solid Bush Design

Full solid bushes resist deformation under shock loads, maintaining pitch accuracy for longer running life.

02

Shot-Peened Plates

Plate surfaces are shot-peened to introduce compressive stress — measurably improving fatigue strength.

03

Multi-Stage Plate Holing

Precision-staged hole production ensures tight tolerances and consistent interference fits, link after link.

04

Optimised Interference Fits

Pins, bushes and plates are matched for optimal press-fit — the foundation of a chain that stays together.

05

Enhanced Initial Lubrication

Every chain leaves the factory pre-lubricated for maximum protection through the critical running-in period.

06

Dynamic Pre-Loading

Chains are pre-loaded under dynamic conditions to seat joints and eliminate initial stretch in service.

The result: **less downtime, more productivity, lower total cost of ownership.**

THE RANGE

BS Roller Chains

British Standard simplex, duplex and triplex chains from 3/8″ to 2″ pitch — to ISO 606 / BS 228.



Series	Pitch	Formats
06B	3/8″	Simplex · Duplex
08B	1/2″	Simplex · Duplex
10B	5/8″	Simplex · Duplex
12B	3/4″	Simplex · Duplex
16B	1″	Simplex · Duplex
20B	1 1/4″	Simplex · Duplex
24B – 32B	1 1/2″ – 2″	Simplex

Supplied your way

5 mtr boxes, 50 ft reels, cut-to-length with connecting & offset links.

Straight-sided plates

OC straight-sided series for heavy drives where standard plates fall short.

THE RANGE

ANSI Roller Chains

American Standard chains to ANSI B29.1 / ISO 606 — simplex, duplex and heavy series, in the pitches US-specified machinery demands.



Series	Pitch	Formats
40 / 41	1/2″	Simplex
50	5/8″	Simplex · Heavy (50H)
60	3/4″	Simplex · Heavy (60H)
80	1″	Simplex · Heavy (80H)
100	1 1/4″	Simplex · Heavy (100H)
120 – 200	1 1/2″ – 2 1/2″	Simplex · Heavy series

Heavy Series

Thicker plates for high shock-load drives and heavy-duty conveying.

Cut lengths ready to fit

Exact pitch counts with connecting & crank links — drop-in replacements.

THE RANGE

Specialist & Engineered Chains

When a standard chain won’t survive the application, the CSUK specialist range takes over.



304 Stainless Steel

Corrosion-proof chains for food processing, wash-down environments, pharmaceutical and marine applications.

Maintenance-Free

Sealed, pre-lubricated “MF” series chains for inaccessible drives and clean environments — fit and forget.

Attachment Chains

KO, AA and bespoke attachments on any pitch configuration — for elevators, conveyors and processing lines.

Side Bow & Chromised Pin

Curved-running side bow chains with chromised pins for the most abrasive, high-wear duties.

Can’t see your configuration? **We manufacture bespoke chains to drawing** — talk to our technical team.

SECTOR FOCUS

Agricultural Chains

Harvest-critical chains to DIN 8189 — engineered to survive dust, shock loads and the weather, season after season.



Chain	Application	Key features
S55	Combines, grain handling	Weather-resistant coating · DIN 8189
S62 Baler Drive	Round & square balers	Reinforced pins · shock-load rated
S77 Grain Elevator	Silos, bulk elevators	Extra-large pitch · corrosion-resistant
38.4V Elevator	Combine grain elevators	Sealed dust-resistant bearings
CA550 Heavy-Duty	Bucket elevators, drag conveyors	Extra-thick plates · feed mills
S32V Irrigation	Centre pivot & linear irrigators	Marine-grade corrosion protection

Direct SKF equivalents

S55, S62, S77, CA550, 38.4V — drop-in replacements for SKF-specified machinery, in stock.

Built for the weather

Heat-treated components, weather-proof coatings and sealed bearings as standard.

Harvest can’t wait — **S-series chains in stock and dispatched same day when you order by 1pm.**

SECTOR FOCUS

Conveyor & Elevator Chains

Solid bearing pin conveyor chains for general industrial conveying, built to move heavy loads reliably, shift after shift.



- ✓ **Solid bearing pin construction** — maximum strength for continuous heavy-duty conveying
- ✓ **Welded attachments** — one-sided or both-sided, on any pitch configuration to suit your flight spacing
- ✓ **Large-diameter rollers** — e.g. 48 mm rollers on 35 × 5 mm plates for high load capacity
- ✓ **Engineered specials** — 100 mm and 125 mm pitch series supplied complete with connecting links

From standard gravity conveyor to bespoke bucket elevator — **one UK source for the complete chain package.**

BEYOND CHAIN

Shaft Mounted Gear Units

Complete the drive — SMGU / SMSR shaft-mounted speed reducers, supplied and supported by the same CSUK team.



C13:1 — 40 MM BORE



X-PLUS G13:1 — 75 MM BORE



F20TC — 65 MM BORE

- ✓ **Shaft Mounted Gear Units (SMGU)** — compact, torque-dense drives that mount directly onto the driven shaft, no foundation or alignment fuss
- ✓ **SMSR units with backstops** — anti-runback protection for inclined conveyors and bucket elevators
- ✓ **Full drive package** — chains, sprockets, couplings and gear units specified together, so everything matches
- ✓ **Proven in UK industry** — gear units tried and tested in British plants for decades

Specify the drive, not just the chain — **one supplier, one phone number, one warranty.**

WHERE OUR CHAINS WORK

Sectors We Serve

Specialised chain solutions for every industry — we understand your sector's unique challenges and deliver chains that perform.



Farming & Agriculture

Durable chains for agricultural machinery, farm equipment and harsh outdoor conditions.



Food & Beverage Processing

Hygienic chain solutions meeting stringent food safety and sanitation standards.



Manufacturing

Chain solutions for manufacturing plants, assembly lines and precision engineering.



Mining & Quarrying

Heavy-duty chains for mining machinery and aggregate processing.



Logistics & Warehousing

Efficient material handling chains designed for high-speed conveyor systems.



Construction

Robust chains for construction equipment and heavy-duty project applications.

ALSO SERVING

Bakery & Dairy · Water Treatment & Recycling · Printing, Paper & Packaging · Infrastructure · Cement · Conveyor Systems · Sugar Mills · Timber & Forestry · Theme Park Rides

QUALITY & STANDARDS

Manufactured to the Standards That Matter

Every CSUK chain is produced against recognised international standards — and dimensionally interchangeable with the global brands your machinery was designed around.



Standard	Covers
BS 228 / ISO 606	BS roller chains — simplex, duplex, triplex
ANSI B29.1	ANSI precision roller chains & heavy series
DIN 8189	Agricultural chains — S-series, CA-series
ISO 487	Extended precision chains for drives & conveyors

Interchangeable by design

Direct equivalents for SKF, Renold, Tsubaki and Diamond specifications — same pitch, same breaking load, same fit.

Inspected before dispatch

Length accuracy, pre-load and lubrication verified on every production batch.

WORKING WITH CSUK

Why Buy From Chain Supply UK

⏱

UK Stock, Fast Delivery

Thousands of chain lines held in Rotherham — dispatch on the day you need them, not the week after.

🔧

Real Engineering Advice

Talk to people who know chain — we'll spec the right series, pitch and attachment for your actual application.

🏳

Direct Replacements

SKF, Renold and Tsubaki equivalents in stock — drop-in replacements that keep OEM warranties and manuals happy.

⚖

Bespoke Manufacturing

Custom attachments, non-standard pitches and made-to-drawing chains manufactured in the UK.



SAME & NEXT-DAY DELIVERY — DISPATCHED FROM OUR ROTHERHAM DEPOT

Roller chain supply across South Yorkshire & the North. Order by 1pm for next-working-day delivery, or collect same-day within our 30-mile radius.

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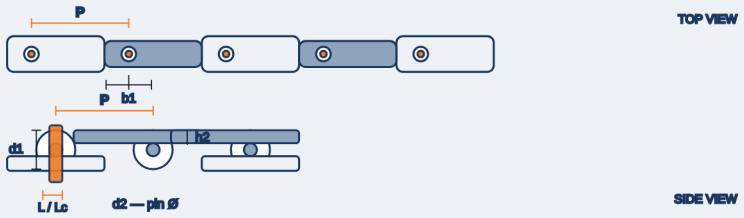
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BS & ANSI ROLLER CHAINS · SMGU / SMSR GEAR UNITS · DRIVE SOLUTIONS

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BS Roller Chain

British Standard simplex roller chains — sizes 04B to 72B

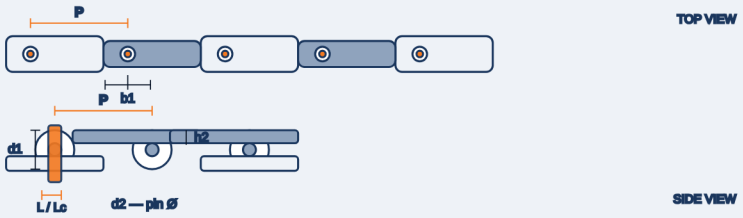


ISO Chain No	Pitch P (mm)	Roller Ø d1 max (mm)	Width b1 min (mm)	Pin Ø d2 max (mm)	Pin length L max (mm)	Pin length Lc max (mm)	Plate depth h2 max (mm)	Transverse pitch Pt (mm)	Ultimate tensile Q min (kN)	Avg tensile Q0 (kN)	Weight q (kg/m)
SIMPLEX (SINGLE STRAND)											
04B-1	6.0	4.00	2.80	1.85	6.80	7.1	5.00	/	3.0	3.2	0.12
05B-1	8.0	5.00	3.00	2.31	8.00	8.9	7.00	/	5.0	5.9	0.19
06B-1	9.525	6.35	5.72	3.28	13.20	14.2	8.20	/	9.0	10.4	0.42
08B-1	12.70	8.51	7.75	4.45	16.50	18.0	11.80	/	18.0	19.4	0.71
10B-1	15.875	10.16	9.65	5.08	19.60	21.0	14.70	/	22.4	27.5	0.95
12B-1	19.05	12.07	11.68	5.72	22.50	24.0	16.10	/	29.0	32.2	1.24
16B-1	25.40	15.88	17.02	8.28	35.60	37.2	21.00	/	60.0	72.8	2.84
20B-1	31.75	19.05	19.56	10.19	40.80	44.2	26.30	/	95.0	106.7	4.04
24B-1	38.10	25.40	25.40	14.63	53.30	58.0	33.30	/	160.0	178.0	7.14
28B-1	44.45	27.94	30.99	15.90	65.00	70.3	36.80	/	200.0	222.0	9.48
32B-1	50.80	29.21	30.99	17.81	65.20	71.0	42.00	/	250.0	227.5	10.19
40B-1	63.50	39.37	38.10	22.89	82.20	89.2	52.96	/	355.0	394.0	16.2
48B-1	76.20	48.26	45.72	29.24	99.10	107.00	63.80	/	560.0	621.6	25.52
56B-1	88.90	53.98	53.34	34.32	114.60	123.00	77.80	/	850.0	940.0	35.53
64B-1	101.60	63.50	60.96	39.40	130.30	140.00	89.67	/	1120.0	1240	45.77
72B-1	114.30	72.39	68.58	44.48	147.00	156.00	103.60	/	1400.0	1550	60.5

All dimensions in millimetres. Q = minimum ultimate tensile strength; Q_0 = average tensile strength (kN); q = approximate weight per metre. '/' = not applicable to this strand configuration.

BS Straight Side Plate Chain

British Standard straight side plate chains — simplex sizes C08B to C32B

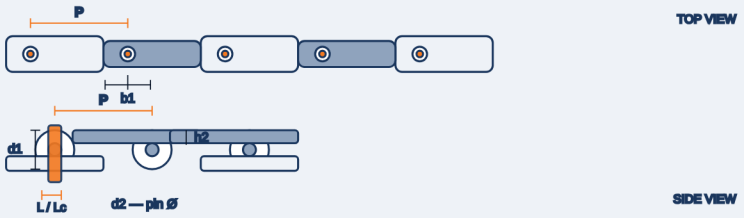


ISO Chain No	Pitch P (mm)	Roller Ø d1 max (mm)	Width b1 min (mm)	Pin Ø d2 max (mm)	Pin length L max (mm)	Pin length Lc max (mm)	Plate depth h2 max (mm)	Plate thk T (mm)	Transverse pitch Pt (mm)	Ultimate tensile Q min (kN)	Avg tensile Q0 (kN)	Weight q (kg/m)
SIMPLEX (SINGLE STRAND)												
C08B-1	12.70	8.51	7.75	4.45	16.7	18.0	11.8	1.60	–	18.0	19.5	0.79
C10B-1	15.875	10.16	9.65	5.08	19.6	21.0	14.7	1.70	–	22.4	27.5	1.06
C12B-1	19.05	12.07	11.68	5.72	22.5	24.0	16.0	1.85	–	29.0	32.2	1.19
C16B-1	25.40	15.88	17.02	8.28	36.0	37.2	21/24.0	4.15/3.1	–	60.0	72.8	2.91
C20B-1	31.75	19.05	19.56	10.19	41.1	44.7	26.4	4.5/3.5	–	95.0	106.7	4.19
C24B-1	38.10	25.40	25.40	14.63	53.3	58.0	33.2	6.0/5.0	–	160.0	178.0	7.47
C28B-1	44.45	27.94	30.99	15.90	65.0	70.3	36.9	7.5/6.4	–	200.0	222.0	9.90
C32B-1	50.80	29.21	30.99	17.81	66.0	71.0	42.1	7.0/6.4	–	250.0	277.5	10.45

All dimensions in millimetres. Straight side plate chains carry additional side-plate material for heavy / shock duty conveyor applications. Dual values in plate depth / thickness denote straight-side and standard-side variants.

BS Straight Side Plate Chain (continued)

Duplex and triplex straight side plate chains — sizes C08B to C32B

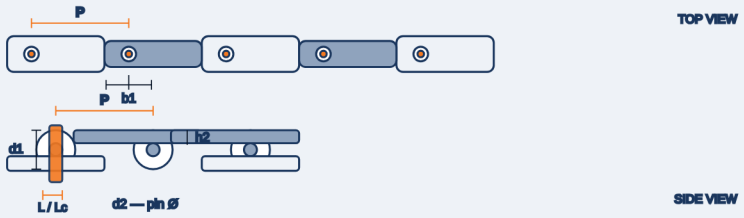


ISO Chain No	Pitch P (mm)	Roller Ø d1 max (mm)	Width b1 min (mm)	Pin Ø d2 max (mm)	Pin length L max (mm)	Pin length Lc max (mm)	Plate depth h2 max (mm)	Plate thk T (mm)	Transverse pitch Pt (mm)	Ultimate tensile Q min (kN)	Avg tensile Q0 (kN)	Weight q (kg/m)
DUPLEX (DOUBLE STRAND)												
C08B-2	12.70	8.51	7.75	4.45	31.0	32.1	11.8	1.60	13.92	32.0	38.7	1.45
C10B-2	15.875	10.16	9.65	5.08	36.2	37.5	14.7	1.70	16.59	44.5	57.8	2.00
C12B-2	19.05	12.07	11.68	5.72	42.0	43.6	16.0	1.85	19.46	57.8	66.1	2.62
C16B-2	25.40	15.88	17.02	8.28	68.0	69.1	21/24.0	4.15/3.1	31.88	106.0	133.0	6.10
C20B-2	31.75	19.05	19.56	10.19	77.8	81.5	26.4	4.5/3.5	36.45	170.0	211.2	8.23
C24B-2	38.10	25.40	25.40	14.63	101.7	106.2	33.2	6.0/5.0	48.36	280.0	319.2	14.77
C28B-2	44.45	27.94	30.99	15.90	124.6	129.1	36.9	7.5/6.4	59.56	360.0	406.8	19.82
C32B-2	50.80	29.21	30.99	17.81	124.6	129.6	42.1	7.0/6.4	58.55	450.0	508.5	20.94
TRIPLEX (TRIPLE STRAND)												
C08B-3	12.70	8.51	7.75	4.45	44.9	46.1	11.8	1.60	13.92	47.5	57.8	2.10
C10B-3	15.875	10.16	9.65	5.08	52.8	54.1	14.7	1.70	16.59	68.7	84.5	2.87
C12B-3	19.05	12.07	11.68	5.72	61.5	63.2	16.0	1.85	19.46	86.7	101.8	3.89
C16B-3	25.40	15.88	17.02	8.28	99.8	102.9	21/24.0	4.15/3.1	31.88	160.0	203.7	9.12
C20B-3	31.75	19.05	19.56	10.19	114.2	117.9	26.4	4.5/3.5	36.45	250.08	290.0	11.34
C24B-3	38.10	25.40	25.40	14.63	150.1	154.6	33.2	6.0/5.0	48.36	425.0	493.0	22.10
C28B-3	44.45	27.94	30.99	15.90	184.2	188.7	36.9	7.5/6.4	59.56	530.0	609.5	29.64
C32B-3	50.80	29.21	30.99	17.81	183.2	188.2	42.1	7.0/6.4	58.55	670.0	770.5	31.27

All dimensions in millimetres. Pt = transverse pitch (strand centres). Dual values in plate depth / thickness denote straight-side and standard-side variants.

ANSI Roller Chain

American Standard simplex roller chains — sizes *10 to 240 (ANSI B29.1)

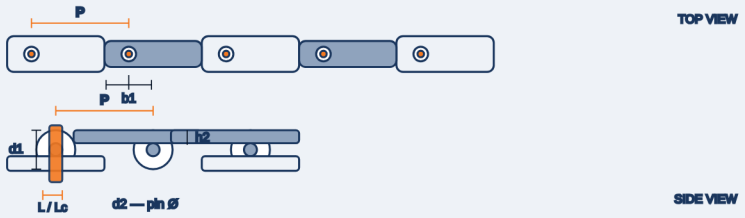


ISO Chain No	ANSI Chain No	Pitch P (mm)	Roller Ø d1 max (mm)	Width b1 min (mm)	Pin Ø d2 max (mm)	Pin length L max (mm)	Pin length Lc max (mm)	Plate depth h2 max (mm)	Transverse pitch Pt (mm)	Ultimate tensile Q min (kN)	Avg tensile Q0 (kN)	Weight q (kg/m)
SIMPLEX (SINGLE STRAND)												
–	*10	3.175	1.7	1.6	1.16	4.45	/	2.90	/	1.2	1.30	0.039
–	*15	4.7625	2.48	2.4	1.62	6.25	/	4.30	/	1.8	2.00	0.089
04C-1	*25	6.35	3.30	3.10	2.31	7.80	8.90	5.90	/	3.5	4.60	0.15
06C-1	*35	9.525	5.08	4.77	3.58	12.15	13.10	8.70	/	7.9	10.80	0.34
085-1	41	12.70	7.77	6.25	3.58	13.75	15.00	9.91	/	6.8	12.60	0.45
08A-1	40	12.70	7.92	7.85	3.96	16.60	17.75	12.00	/	14.1	17.50	0.66
10A-1	50	15.875	10.16	9.40	5.08	20.60	22.00	15.00	/	22.2	29.40	1.08
12A-1	60	19.05	11.91	12.57	5.94	25.90	27.50	18.00	/	31.8	41.50	1.59
16A-1	80	25.40	15.88	15.75	7.92	32.80	34.90	24.00	/	56.7	69.40	2.73
20A-1	100	31.75	19.05	18.90	9.53	40.00	43.40	30.10	/	88.5	109.20	3.99
24A-1	120	38.10	22.23	25.22	11.10	50.45	53.50	36.10	/	127.0	156.30	5.62
28A-1	140	44.45	25.40	25.22	12.70	54.40	58.70	42.10	/	172.4	212.00	7.95
32A-1	160	50.80	28.58	31.55	14.27	64.50	68.70	48.10	/	226.8	278.90	10.1
36A-1	180	57.15	35.71	35.48	17.46	72.80	78.60	53.60	/	280.2	341.80	13.59
40A-1	200	63.50	39.68	37.85	19.84	79.50	85.50	60.00	/	353.8	431.60	16.86
48A-1	240	76.2	47.63	47.4	23.81	95.50	102.50	71.80	/	510.3	622.50	24.4

All dimensions in millimetres. ANSI reference numbers in accordance with ANSI B29.1. *10 and *15 are miniature / lightweight pitches. '/' = not applicable to this strand configuration.

ANSI Heavy Series Roller Chain

Heavy series simplex, duplex and triplex — sizes 35H to 200H

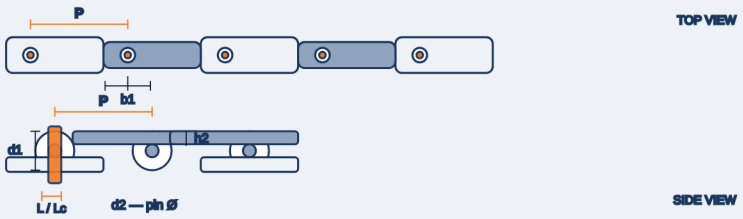


ISO Chain No	ANSI Chain No	Pitch P (mm)	Roller Ø d1 max (mm)	Width b1 min (mm)	Pin Ø d2 max (mm)	Pin length L max (mm)	Pin length Lc max (mm)	Plate depth h2 max (mm)	Plate thk T (mm)	Transverse pitch Pt (mm)	Ultimate tensile Q min (kN)	Avg tensile Q0 (kN)	Weight q (kg/m)
SIMPLEX (SINGLE STRAND)													
–	**35H**	9.525	5.08	4.68	3.58	13.3	14.3	9.0	1.5	–	7.9	10.8	0.14
08AH-1	**40H**	12.70	7.92	7.85	3.96	18.8	19.9	12.00	2.03	–	14.1	19.1	0.82
10AH-1	**50H**	15.875	10.16	9.40	5.08	22.1	23.4	15.09	2.42	–	22.2	30.2	1.25
12AH-1	**60H**	19.05	11.91	12.57	5.94	29.3	31.0	18.00	3.25	–	31.8	42.7	1.87
16AH-1	**80H**	25.40	15.88	15.75	7.92	36.2	37.7	24.00	4.00	–	56.7	71.4	3.10
20AH-1	**100H**	31.75	19.05	18.90	9.53	43.6	46.9	30.00	4.80	–	88.5	112.4	4.52
24AH-1	**120H**	38.10	22.23	25.22	11.10	53.5	57.5	35.70	5.60	–	127.0	160.9	6.60
28AH-1	**140H**	44.45	25.40	25.22	12.70	57.6	62.2	41.00	6.40	–	172.4	217.3	8.30
32AH-1	**160H**	50.80	28.58	31.55	14.27	68.2	73.0	47.80	7.20	–	226.8	285.8	11.10
40AH-1	**200H**	63.50	39.68	37.85	19.85	86.6	93.5	60.00	9.50	–	353.8	444.5	19.16
DUPLEX (DOUBLE STRAND)													
12AH-2	**60H-2**	19.05	11.91	12.57	5.94	55.3	57.1	18.00	3.25	26.11	63.6	84.5	3.71
16AH-2	**80H-2**	25.40	15.88	15.75	7.92	68.8	70.3	24.00	4.00	32.59	113.4	145.3	6.15
20AH-2	**100H-2**	31.75	19.05	18.90	9.53	82.7	86.0	30.00	4.80	39.09	177.0	225.9	9.03
24AH-2	**120H-2**	38.10	22.23	25.22	11.10	102.4	106.4	35.70	5.60	48.87	254.0	322.7	13.13
28AH-2	**140H-2**	44.45	25.40	25.22	12.70	109.8	114.4	41.00	6.40	52.20	344.8	437.7	16.60
32AH-2	**160H-2**	50.80	28.58	31.55	14.27	130.1	134.9	47.80	7.20	61.90	453.6	571.6	22.06
40AH-2	**200H-2**	63.50	39.68	37.85	19.85	164.9	171.8	60.00	9.50	78.31	707.6	894.9	38.11
TRIPLEX (TRIPLE STRAND)													
12AH-3	**60H-3**	19.05	11.91	12.57	5.94	81.4	83.2	18.00	3.25	26.11	95.4	113.9	5.54
16AH-3	**80H-3**	25.40	15.88	15.75	7.92	101.4	102.9	24.00	4.00	32.59	170.1	203.5	9.42
20AH-3	**100H-3**	31.75	19.05	18.90	9.53	121.8	125.1	30.00	4.80	39.09	265.5	314.8	12.96
24AH-3	**120H-3**	38.10	22.23	25.22	11.10	151.2	155.2	35.70	5.60	48.87	381.0	444.7	19.64
28AH-3	**140H-3**	44.45	25.40	25.22	12.70	162.0	166.6	41.00	6.40	52.20	517.2	598.4	24.90
32AH-3	**160H-3**	50.80	28.58	31.55	14.27	192.0	196.8	47.80	7.20	61.90	680.4	787.3	30.10
40AH-3	**200H-3**	63.50	39.68	37.85	19.85	243.2	250.1	60.00	9.50	78.31	1061.4	1228.2	57.06

All dimensions in millimetres. Heavy series chains use thicker side plates for higher fatigue strength in shock-load applications.

ANSI Stainless Steel Roller Chain

Corrosion-resistant stainless chains — ANSI sizes 25SS to 120SS and BS sizes 05BSS to 20BSS



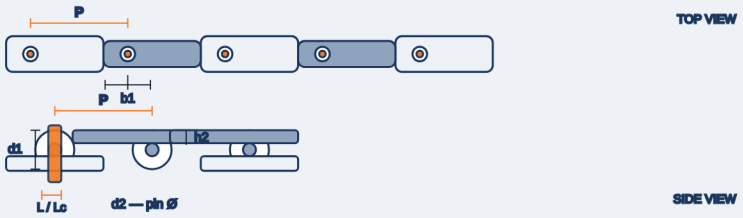
CSUK Chain No	Pitch P (mm)	Roller Ø d1 max (mm)	Width b1 min (mm)	Pin Ø d2 max (mm)	Pin length L max (mm)	Pin length Lc max (mm)	Plate depth h2 max (mm)	Ultimate tensile Q min (kN)	Avg tensile Q0 (kN)	Weight q (kg/m)
ANSI STAINLESS SERIES										
25SS	6.35	3.30	3.10	2.31	7.8	8.45	5.9	2.34	2.5	0.14
35SS	9.525	5.08	4.68	3.58	12.15	13.1	9.0	5.1	7.5	0.35
40SS	12.7	7.92	7.85	3.96	16.6	17.75	12.0	10.2	12.1	0.65
50SS	15.875	10.16	9.40	5.08	20.9	22.2	15.09	16.2	21.2	1.04
60SS	19.05	11.91	12.57	5.94	25.9	27.5	18.0	23.6	25.6	1.55
80SS	25.4	15.88	15.75	7.92	32.8	34.9	24.0	41.0	48.7	2.63
100SS	31.75	19.05	18.90	9.53	40.0	43.4	30.1	59.4	62.3	3.99
120SS	38.1	22.23	25.22	11.1	50.45	53.5	36.1	92.8	97.3	5.87
BS STAINLESS SERIES										
05BSS	8.0	5.00	3.00	2.31	8.0	8.9	7.11	3.3	4.2	0.182
06BSS	9.525	6.35	5.72	3.28	13.2	14.2	8.2	4.5	5.7	0.381
08BSS	12.7	8.51	7.76	4.45	16.7	18.0	11.8	10.0	12.2	0.737
10BSS	15.875	10.16	9.65	5.08	19.6	21.0	14.7	14.0	16.2	0.949
12BSS	19.05	12.07	11.68	5.72	22.5	24.0	16.1	15.3	17.7	1.216
16BSS	25.4	15.88	17.02	8.28	36	37.2	21.05	40.6	46.7	2.767
20BSS	31.75	19.05	19.56	10.19	41.1	44.7	26.3	56.0	64.3	3.68

All dimensions in millimetres. Manufactured from 300-series stainless steel for food, washdown, marine and corrosive environments. Load figures are lower than carbon-steel equivalents.

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ANSI Straight Side Plate Roller Chain

American Standard straight side plate chains — simplex sizes C35 to C160

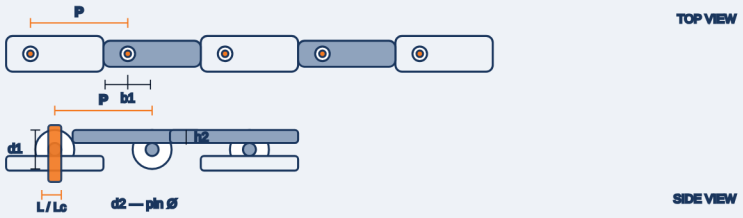


ISO Chain No	ANSI Chain No	Pitch P (mm)	Roller Ø d1 max (mm)	Width b1 min (mm)	Pin Ø d2 max (mm)	Pin length L max (mm)	Pin length Lc max (mm)	Plate depth h2 max (mm)	Plate thk T (mm)	Transverse pitch Pt (mm)	Ultimate tensile Q min (kN)	Avg tensile Q0 (kN)	Weight q (kg/m)
SIMPLEX (SINGLE STRAND)													
–	**C35**	9.525	5.08	4.68	3.58	12.15	13.1	9.0	1.30	–	7.9	10.8	0.41
C08A-1	**C40**	12.70	7.92	7.85	3.96	16.60	17.75	12.00	1.50	–	14.1	17.5	0.73
C10A-1	**C50**	15.875	10.16	9.40	5.08	20.90	22.2	15.09	2.03	–	22.2	29.4	1.23
C12A-1	**C60**	19.05	11.91	12.57	5.94	25.90	27.5	18.00	2.42	–	31.8	41.5	1.81
C16A-1	**C80**	25.40	15.88	15.75	7.92	32.80	34.90	24.00	3.25	–	56.7	69.4	3.09
C20A-1	**C100**	31.75	19.05	18.90	9.53	40.00	43.40	30.10	4.00	–	88.5	109.2	4.56
C24A-1	**C120**	38.10	22.23	25.22	11.10	50.45	53.50	36.10	4.80	–	127.0	156.3	6.86
C28A-1	**C140**	44.45	25.40	25.22	12.70	54.40	59.00	42.10	5.60	–	172.4	212.0	8.49
C32A-1	**C160**	50.80	28.58	31.55	14.27	64.50	68.70	48.10	6.40	–	226.8	276.9	11.50

All dimensions in millimetres. Straight side plate chains carry additional side-plate material for heavy / shock duty conveyor applications.

ANSI Straight Side Plate Roller Chain (continued)

Duplex and triplex straight side plate chains — sizes C40 to C160

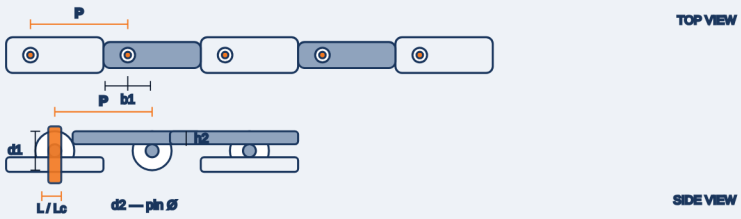


ISO Chain No	ANSI Chain No	Pitch P (mm)	Roller Ø d1 max (mm)	Width b1 min (mm)	Pin Ø d2 max (mm)	Pin length L max (mm)	Pin length Lc max (mm)	Plate depth h2 max (mm)	Plate thk T (mm)	Transverse pitch Pt (mm)	Ultimate tensile Q min (kN)	Avg tensile Q0 (kN)	Weight q (kg/m)
DUPLEX (DOUBLE STRAND)													
C08A-2	C40-2	12.70	7.92	7.85	3.96	31.10	32.25	12.00	1.50	14.38	28.2	35.9	1.43
C10A-2	C50-2	15.875	10.16	9.40	5.08	39.00	40.30	15.09	2.03	18.11	44.4	58.1	2.42
C12A-2	C60-2	19.05	11.91	12.57	5.94	48.80	50.30	18.00	2.42	22.78	63.6	82.1	3.58
C16A-2	C80-2	25.40	15.88	15.75	7.92	62.70	64.20	24.00	3.25	29.29	113.4	141.8	6.12
C20A-2	C100-2	31.75	19.05	18.90	9.53	76.20	80.50	30.10	4.00	35.76	177.0	219.4	9.08
C24A-2	C120-2	38.10	22.23	25.22	11.10	95.80	99.70	36.10	4.80	45.44	254.0	314.9	13.60
C28A-2	C140-2	44.45	25.40	25.22	12.70	103.30	107.90	42.10	5.60	48.87	344.8	427.5	16.86
C32A-2	C160-2	50.80	28.58	31.55	14.27	123.30	128.10	48.10	6.40	58.55	453.6	562.4	22.90
TRIPLEX (TRIPLE STRAND)													
C08A-3	C40-3	12.70	7.92	7.85	3.96	45.60	47.00	12.00	1.50	14.38	42.3	50.0	2.14
C10A-3	C50-3	15.875	10.16	9.40	5.08	57.40	59.10	15.09	2.03	18.11	66.6	77.8	3.62
C12A-3	C60-3	19.05	11.91	12.57	5.94	71.50	73.20	18.00	2.42	22.78	95.4	111.1	5.36
C16A-3	C80-3	25.40	15.88	15.75	7.92	91.70	93.50	24.00	3.25	29.29	170.1	198.4	9.10
C20A-3	C100-3	31.75	19.05	18.90	9.53	112.20	116.30	30.10	4.00	35.76	265.5	309.6	13.60
C24A-3	C120-3	38.10	22.23	25.22	11.10	141.40	145.20	36.10	4.80	45.44	381.0	437.2	20.43
C28A-3	C140-3	44.45	25.40	25.22	12.70	151.8	156.80	42.10	5.60	48.47	517.2	593.3	25.23
C32A-3	C160-3	50.80	28.58	31.55	14.27	181.8	186.60	48.10	6.40	58.55	680.4	780.6	34.19

All dimensions in millimetres. Pt = transverse pitch (strand centres).

Maintenance-Free Roller Chain

Self-lubricating SLR series — BS (08B–16B) and ANSI (40–80) sizes, simplex and duplex



CSUK Chain No	Pitch P (mm)	Roller Ø d1 max (mm)	Width b1 min (mm)	Pin Ø d2 max (mm)	Pin length L max (mm)	Pin length Lc max (mm)	Plate depth h2 max (mm)	Plate thk T (mm)	Transverse pitch Pt (mm)	Tensile Q min (kN)	Weight q (kg/m)
SIMPLEX (SINGLE STRAND)											
08BSLR	12.700	8.51	7.75	4.45	16.7	18.1	11.80	1.6	–	18.0	0.69
08BSLRF1	12.700	8.51	7.75	4.45	17.3	18.7	11.80	1.6	–	18.0	0.72
10BSLR	15.875	10.16	9.65	5.08	19.6	21.0	14.70	1.7	–	22.4	0.93
10BSLRF1	15.875	10.16	9.65	5.08	19.9	21.6	14.70	1.7	–	22.4	0.97
12BSLR	19.050	12.07	11.68	5.72	22.5	24.0	16.00	1.85	–	29.0	1.15
12BSLRF1	19.050	12.07	11.68	5.72	22.9	24.7	16.00	1.85	–	29.0	1.19
16BSLR	25.400	15.88	17.02	8.28	35.6	37.2	21.00	4.15/3.1	–	60.0	2.71
16BSLRF1	25.400	15.88	17.02	8.28	36.7	39.7	21.00	4.15/3.1	–	60.0	2.73
40SLR	12.700	7.95	7.85	3.96	16.3	17.8	12.00	1.5	–	14.1	0.62
50SLR	15.875	10.16	9.40	5.08	20.2	22.2	15.09	2.03	–	22.0	1.02
60SLR	19.050	11.91	12.57	5.94	25.9	27.5	18.00	2.42	–	34.2	1.59
80SLR	25.400	15.88	15.75	7.92	32.8	34.1	24.00	3.25	–	56.7	2.60
DUPLEX (DOUBLE STRAND)											
08BSLR-2	12.700	8.51	7.75	4.45	30.6	32.0	11.80	1.6	13.92	32.0	1.34
10BSLR-2	15.875	10.16	9.65	5.08	36.2	37.6	14.70	1.7	16.59	44.5	1.84
12BSLR-2	19.050	12.07	11.68	5.72	41.1	43.5	16.00	1.85	19.46	57.8	2.46
16BSLR-2	25.400	15.88	17.02	8.28	67.5	69.1	21.00	4.15/3.1	31.88	106.0	5.45
40SLR-2	12.700	7.95	7.85	3.96	31.0	32.2	12.00	1.5	14.38	28.2	1.12
50SLR-2	15.875	10.16	9.40	5.08	39.0	40.3	15.09	2.03	18.11	44.4	2.00
60SLR-2	19.050	11.91	12.57	5.94	48.8	50.3	18.00	2.42	22.78	68.4	3.14
80SLR-2	25.400	15.88	15.75	7.92	61.9	64.2	24.00	3.25	29.29	113.4	5.32

All dimensions in millimetres. SLR chains use oil-impregnated sintered bushings for extended lubrication intervals. F1 suffix = attachment-ready variant.

TECHNICAL DATA SHEET

Chain Range Index

Complete BS & ANSI roller chain technical specification set

This pack contains the full range of Chain Supply UK roller chain technical data sheets — British Standard (BS) and American Standard (ANSI) chains in simplex, duplex and triplex configurations, including heavy series, straight side plate, stainless steel and maintenance-free variants. Contact our technical team for sizing support, special variants and full price lists.

Reference	Specification
CSUK-TDS-01	**BS Roller Chain** British Standard simplex roller chains — sizes 04B to 72B
CSUK-TDS-02	**BS Straight Side Plate Chain** Straight side plate chains, simplex — sizes C08B to C32B
CSUK-TDS-03	**BS Straight Side Plate Chain (continued)** Duplex and triplex straight side plate chains
CSUK-TDS-04	**ANSI Roller Chain** American Standard simplex chains — sizes *10 to 240 (ANSI B29.1)
CSUK-TDS-05	**ANSI Heavy Series Roller Chain** Heavy series simplex, duplex and triplex — 35H to 200H
CSUK-TDS-06	**ANSI Stainless Steel Roller Chain** Corrosion-resistant stainless chains for food, washdown and chemical duty
CSUK-TDS-07	**ANSI Straight Side Plate Roller Chain** American Standard straight side plate chains, simplex
CSUK-TDS-08	**ANSI Straight Side Plate Roller Chain (continued)** Duplex and triplex straight side plate chains
CSUK-TDS-09	**Maintenance-Free Roller Chain** Self-lubricating SLR series — BS and ANSI sizes, simplex and duplex

Shaft mounted gear unit (SMGU) specifications are issued in a separate Chain Supply UK technical document.

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