



iRiS
chains

SINCE
1935

Roller chains with U attachments

These chains feature rubber pads that allow to transport products without damaging their surface finish

Roller chain with vulcanised elastomer profiles

These chains feature rubber pads that allow to transport products without damaging their surface finish. Traditional applications are found in the woodworking, furniture, glass and ceramic tiles industries. Vulcanized rubber pads can be supplied in different shore hardness depending on the wear resistance and softness required by the application. Other profiles Pads are possible for special applications and can be supplied on request. SNAP-ON attachments are available in some sizes.

The chains with Rubber Profile can be used in many different environments simply by changing the material of the pads. The jumpers with Rubber Profile vulcanized on the plates with U-shaped profile is wear resistant and has a hardness of tip that goes from 75 to 85. It's suitable for working with temperatures up to 80 °C (176 ° F). The size of the gear chain with Rubber Profile allow it to run on standard sprockets.

Other sizes and materials of chains of blocks can be supplied separately. For special applications, the multiple chains, over sextuple, have been fitted and used with success where a wider wheel track of the jumper is needed.

SERVICES

Many references **available in stock.**

Specific product on request
(Ex: Colours, Hardener rubber, special configuration).

Matched pairs on request for
chains working in parallel.

Chains of any length.

Technical assistance.

O-ring available on request.

Highlights

- ▶ Operating temperature range: -30°C to + 100°C
- ▶ The standard rubber profile is nitrile butadiene rubber (NBR) with a hardness of 80 Shore A.
- ▶ Other type of rubber are available on request.
- ▶ Higher fatigue strength due to optimized press fit of pin and outer plate.
- ▶ Higher tensile strength due to optimized plate strength.
- ▶ These chains can be supplied with O-ring to increase wear resistance.

Roller chain with vulcanised elastomer profiles (Type UG1)

ISO SERIES

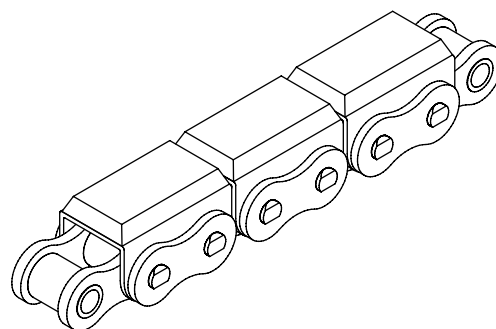
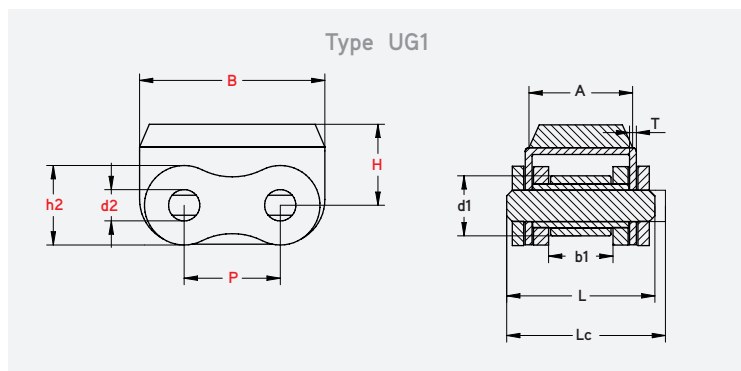
DIN/ISO No.	Material	Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Plate and rubber blocks dimensions					Ultimate Tensile strength	Weight per meter
		P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	Lc max mm	H2 max mm	A mm	B mm	H mm	T mm	Q min KN	q kg/m
08B-1 UG1	CS, SS	12,70	8,51	7,75	4,45	20,00	23,90	11,80	14,60	24,20	12,30	1,60	18,00	1,19
08B-2 UG1	CS, SS	12,70	8,51	7,75	4,45	34,30	38,20	11,80	28,40	24,20	12,30	1,50	32,00	2,07
10B-1 UG1	CS, SS	15,875	10,16	9,65	5,08	23,20	27,30	14,70	16,80	30,00	17,00	1,70	22,40	1,62
10B-2 UG1	CS, SS	15,875	10,16	9,65	5,08	39,70	43,80	14,70	33,30	30,00	17,00	1,70	44,50	2,56
12B-1 UG1	CS, SS	19,05	12,07	11,68	5,72	25,70	30,30	16,00	19,60	36,00	21,00	1,85	29,00	2,01
12B-2 UG1	CS, SS	19,05	12,07	11,68	5,72	45,30	49,90	16,00	39,10	36,00	16,00	1,85	57,80	3,21
16B-1 UG1	CS, SS	25,40	15,88	17,02	8,28	39,70	45,10	21,00	29,10	49,00	21,40	1,60	58,00	3,83
16B-2 UG1	CS, SS	25,40	15,88	17,02	8,28	71,58	76,98	21,00	61,00	49,00	21,40	1,60	116,00	7,32
20B-1 UG1	CS, SS	31,75	19,05	19,56	10,19	48,00	54,10	26,40	36,00	57,00	27,00	3,50	85,00	6,19
24B-1 UG1	CS, SS	38,10	25,40	25,40	14,93	61,60	68,20	33,20	47,00	72,60	34,00	4,50	160,00	11,25

ASA SERIES

DIN/ISO No.	Material	Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Plate and rubber blocks dimensions					Ultimate Tensile strength	Weight per meter
		P mm	d1 max mm	b1 max mm	d2 max mm	L max mm	Lc max mm	H2 max mm	A mm	B mm	H mm	T mm	Q min KN	q kg/m
16A-1 UG1	CS, SS	25,40	15,88	15,75	7,92	37,20	41,20	24,00	27,50	46,00	20,00	2,42	42,00	3,97

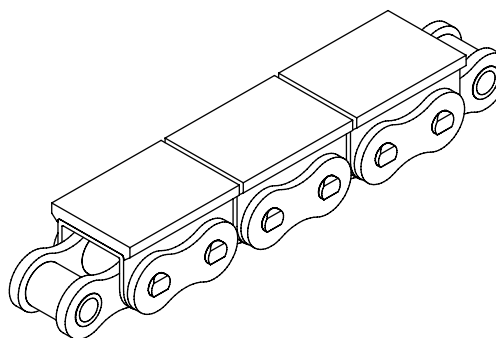
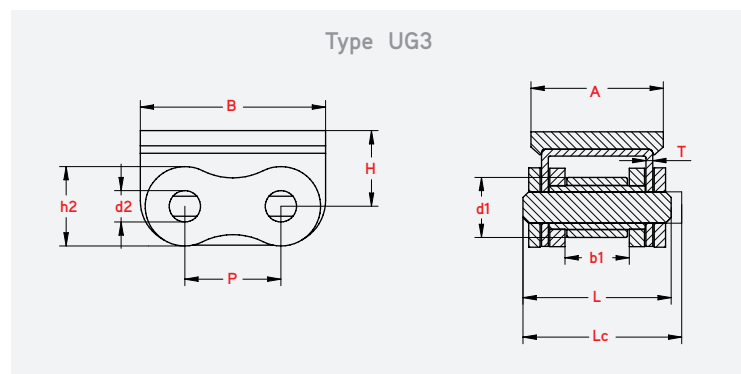
CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL

Roller chain with vulcanised elastomer profiles



Roller chain with vulcanised elastomer profiles (Type UG3)

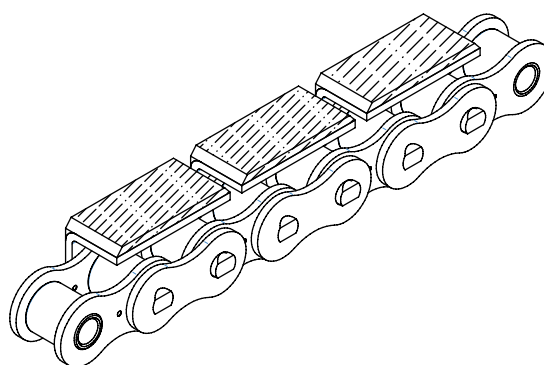
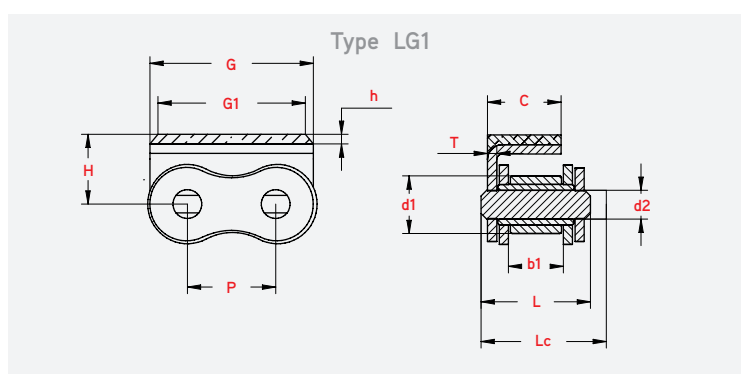
ISO SERIES		Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Plate and rubber blocks dimensions					Ultimate Tensile strength	Weight per
DIN/ISO No.	Material	P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	Lc max mm	H2 max mm	A mm	B mm	H mm	T mm	Q min KN	q kg/m
08B-1 UG3	CS, SS	12,70	8,51	7,75	4,45	20,00	23,00	11,80	18,00	24,20	12,30	1,60	18,00	1,35



CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL

Roller chain with vulcanised elastomer profiles (Type LG1)

ISO SERIES		Pitch	Roller diameter	width between plates	Pin diameter	Pin length	Plate and rubber blocks dimensions					Ultimate Tensile strength	Weight per meter
DIN/ISO No.	Material	P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	G mm	T mm	h mm	H mm	C mm	Q min KN	q kg/m
06B-LG1	CS	9,525	6,35	5,72	3,28	13,15	17,55	1,03	2,50	9,00	9,05	16,90	0,55
08B-LG1	CS	12,700	8,51	7,75	4,45	20,00	23,20	1,40	3,00	11,40	12,85	32,00	0,89
10B-LG1	CS	15,875	10,16	6,48	5,08	23,20	28,80	1,53	2,30	12,60	13,00	44,50	0,98



Roller chain with U type attachments

Chains that feature U-shaped attachments on the plates can run on standard sprockets, since the dimensions are perfectly compatible. Versions with holes on the attachment, or attachments of smaller width can be supplied.

Carbon-steel, delta-tone, and stainless steel versions are available for greater wear resistance.

SNAP-ON attachments are available in some sizes.

SERVICES

Many references **available in stock**.

Matched pairs on request for chains working in parallel.

Chains of any length.

Technical assistance.

Roller chain with U type attachments (Type U1)

ISO SERIES

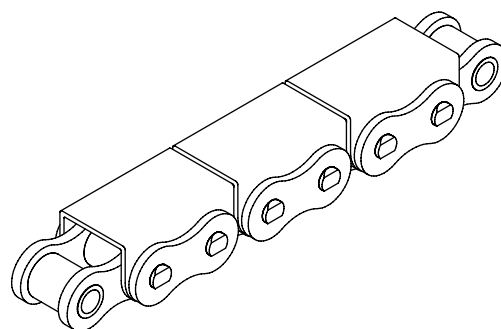
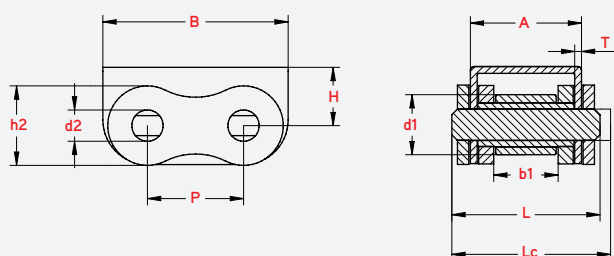
		Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Plate and rubber blocks dimensions					Ultimate Tensile strength	Weight per meter
DIN/ISO No.	Material	P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	Lc max mm	H2 max mm	A mm	B mm	H mm	T mm	Q min KN	q kg/m
08B-1 U1	CS, DT, SS	12,70	8,51	7,75	4,45	20,00	23,90	11,80	14,60	24,20	8,30	1,60	18,00	1,19
08B-2 U1	CS, DT, SS	12,70	8,51	7,75	4,45	34,30	38,20	11,80	28,40	24,20	8,30	1,50	32,00	2,07
10B-1 U1	CS, DT, SS	15,875	10,16	9,65	5,08	23,20	27,30	14,70	16,80	30,00	11,30	1,60	22,40	1,62
10B-2 U1	CS, DT, SS	15,875	10,16	9,65	5,08	39,70	43,80	14,70	33,30	30,00	11,30	1,50	44,50	2,56
12B-1 U1	CS, DT, SS	19,05	12,07	11,68	5,72	25,70	30,30	16,00	19,60	36,00	13,00	1,85	29,00	2,01
12B-2 U1	CS, DT, SS	19,05	12,07	11,68	5,72	45,30	49,90	16,00	39,10	36,00	12,00	1,85	57,80	3,21
16B-1 U1	CS, DT, SS	25,40	15,88	17,02	8,28	39,70	45,10	21,00	29,10	49,00	15,40	1,60	58,00	3,83
16B-2 U1	CS, DT, SS	25,40	15,88	17,02	8,28	71,58	76,98	21,00	61,00	49,00	16,20	1,60	116,00	7,32
20B-1 U1	CS, DT, SS	31,75	19,05	19,56	10,19	48,00	54,10	26,40	36,00	57,00	21,00	3,50	85,00	6,19
24B-1 U1	CS, DT, SS	38,10	25,40	25,40	14,93	61,60	68,20	33,20	47,00	72,60	28,00	4,50	160,00	11,25

ASA SERIES

		Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Plate and rubber blocks dimensions					Ultimate Tensile strength	Weight per meter
DIN/ISO No.	Material	P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	Lc max mm	H2 max mm	A mm	B mm	H mm	T mm	Q min KN	q kg/m
16A-1 U1	CS, DT, SS	25,40	15,88	15,75	7,92	37,20	42,60	24,00	27,50	46,00	16,00	2,42	42,00	3,97

CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL

Type U1



Roller chain with U type attachments

Roller chain with U type attachments with holes (Type UH1)

ISO SERIES

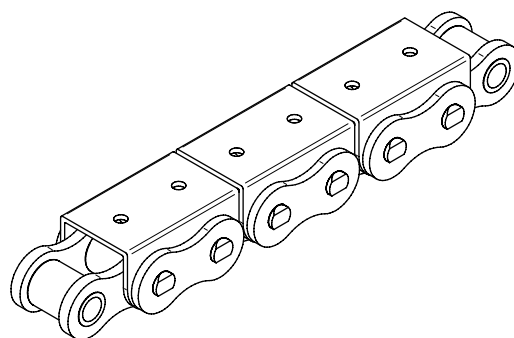
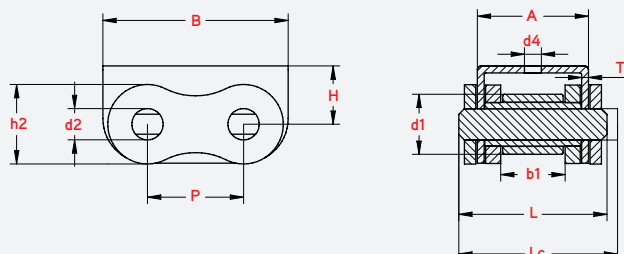
ISO SERIES		Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Plate and rubber blocks dimensions				Ultimate Tensile strength	Weight per meter	Hole Diameter	
DIN/ISO No.	Material	P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	Lc max mm	H2 max mm	A mm	B mm	H mm	T mm	Q min KN	q kg/m	D4 mm
08B-1 UH1	CS, DT	12,70	8,51	7,75	4,45	20,00	23,90	11,80	14,60	24,20	8,30	1,60	18,00	1,13	4
08B-2 UH1	CS, DT	12,70	8,51	7,75	4,45	34,30	38,20	11,80	28,40	24,20	8,30	1,50	32,00	1,96	4
10B-1 UH1	CS, DT	15,875	10,16	9,65	5,08	23,20	27,30	14,70	16,80	30,00	11,30	1,60	22,40	1,53	5
10B-2 UH1	CS, DT	15,875	10,16	9,65	5,08	39,70	43,80	14,70	33,30	30,00	11,30	1,50	44,50	2,47	5
12B-1 UH1	CS, DT	19,05	12,07	11,68	5,72	25,70	30,30	16,00	19,60	36,00	13,00	1,85	29,00	1,90	5
12B-2 UH1	CS, DT	19,05	12,07	11,68	5,72	45,30	49,90	16,00	39,10	36,00	12,00	1,85	57,80	3,03	5
16B-1 UH1	CS, DT	25,40	15,88	17,02	8,28	39,70	45,10	21,00	29,10	49,00	15,40	1,60	58,00	3,73	6
16B-2 UH1	CS, DT	25,40	15,88	17,02	8,28	71,58	76,98	21,00	61,00	49,00	16,20	1,60	116,00	7,15	6
20B-1 UH1	CS, DT	31,75	19,05	19,56	10,19	48,00	54,10	26,40	36,00	57,00	21,00	3,50	85,00	6,00	8
24B-1 UH1	CS, DT	38,10	25,40	25,40	14,93	61,60	68,20	33,20	47,00	72,60	28,00	4,50	160,00	10,88	10

ASA SERIES

ASA SERIES		Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Plate and rubber blocks dimensions				Ultimate Tensile strength	Weight per meter	Hole Diameter	
DIN/ISO No.	Material	P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	Lc max mm	H2 max mm	A mm	B mm	H mm	T mm	Q min KN	q kg/m	D4 mm
16A-1 U1	CS, DT	25,40	15,88	15,75	7,92	37,20	42,60	24,00	27,50	46,00	16,00	2,42	42,00	3,87	7

CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL

Type UH1

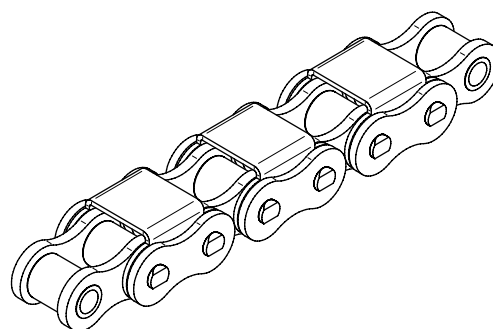
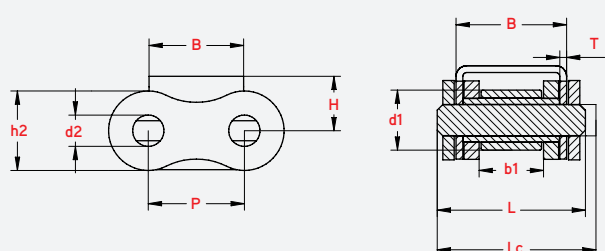


Roller chain with U type attachments (Type U2 - 25mm wide)

ISO SERIES

ISO SERIES		Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Plate and rubber blocks dimensions				Ultimate Tensile strength	Weight per meter	
DIN/ISO No.	Material	P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	Lc max mm	H2 max mm	A mm	B mm	H mm	T mm	Q min KN	q kg/m
16B-1 U1 / 25	CS, DT	25,40	15,88	17,02	8,28	39,70	45,10	21,00	29,10	25,00	15,40	1,80	58,00	3,83

Type U2 - 25mm wide



Roller chain with SNAP-ON attachments

SNAP On Solution prevent the direct contact between the chain and the items to be transported. This attachments are suitable in different roller chains, and also can be installed with O-ring solutions.

Based chain available in stainless steel. Ideal for conveying delicate items such as glass, wood and packaging.

SERVICES

Specific product on request

Matched pairs on request for chains working in parallel.

Chains of any length.

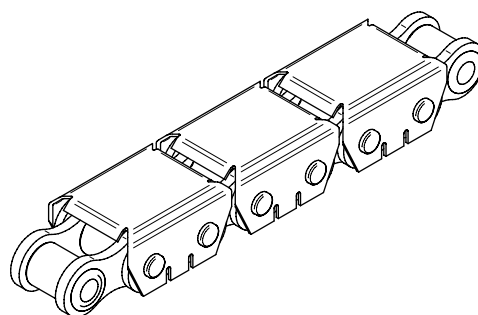
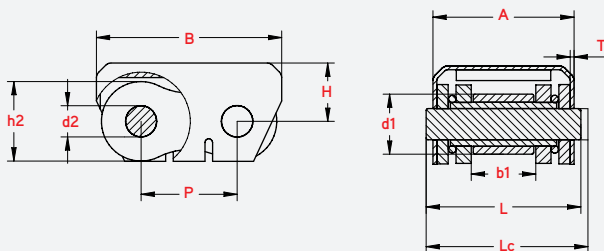
Roller chain with U type attachments (Type SNAP-ON O'RING)

ISO SERIES

DIN/ISO No.	Material	Pitch	Roller diameter	width between plates	Pin diameter	Pin length		Plate and rubber blocks dimensions					Ultimate Tensile strength	Weight per meter
		P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	Lc max mm	H2 max mm	A mm	B mm	H mm	T mm	Q min KN	q kg/m
16B-1 USO-OR	CS, DT	25,40	15,88	17,02	8,28	39,70	45,10	21,00	40,90	49,00	15,40	4,15	58,00	3,73

CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL

Type SNAP-ON O'RING



Roller chain with U Type attachments (Type SNAP-ON Plastic)

ISO SERIES

DIN/ISO No.	Material	Pitch	Roller diameter	width between plates	Pin diameter	Pin length	Plate and rubber blocks dimensions					Ultimate Tensile strength	Weight per meter
		P mm	d1 max mm	b1 min mm	d2 max mm	L max mm	a1 mm	A mm	B mm	H mm	T mm	Q min KN	q kg/m
12B-USO-P	CS	19,050	12,07	11,68	5,72	35,60	22,70	26,10	35,60	21,00	2,80	57,80	3,03

CS CARBON STEEL
DT DELTA-TONE
SS STAINLESS STEEL

Type SNAP-ON Plastic

