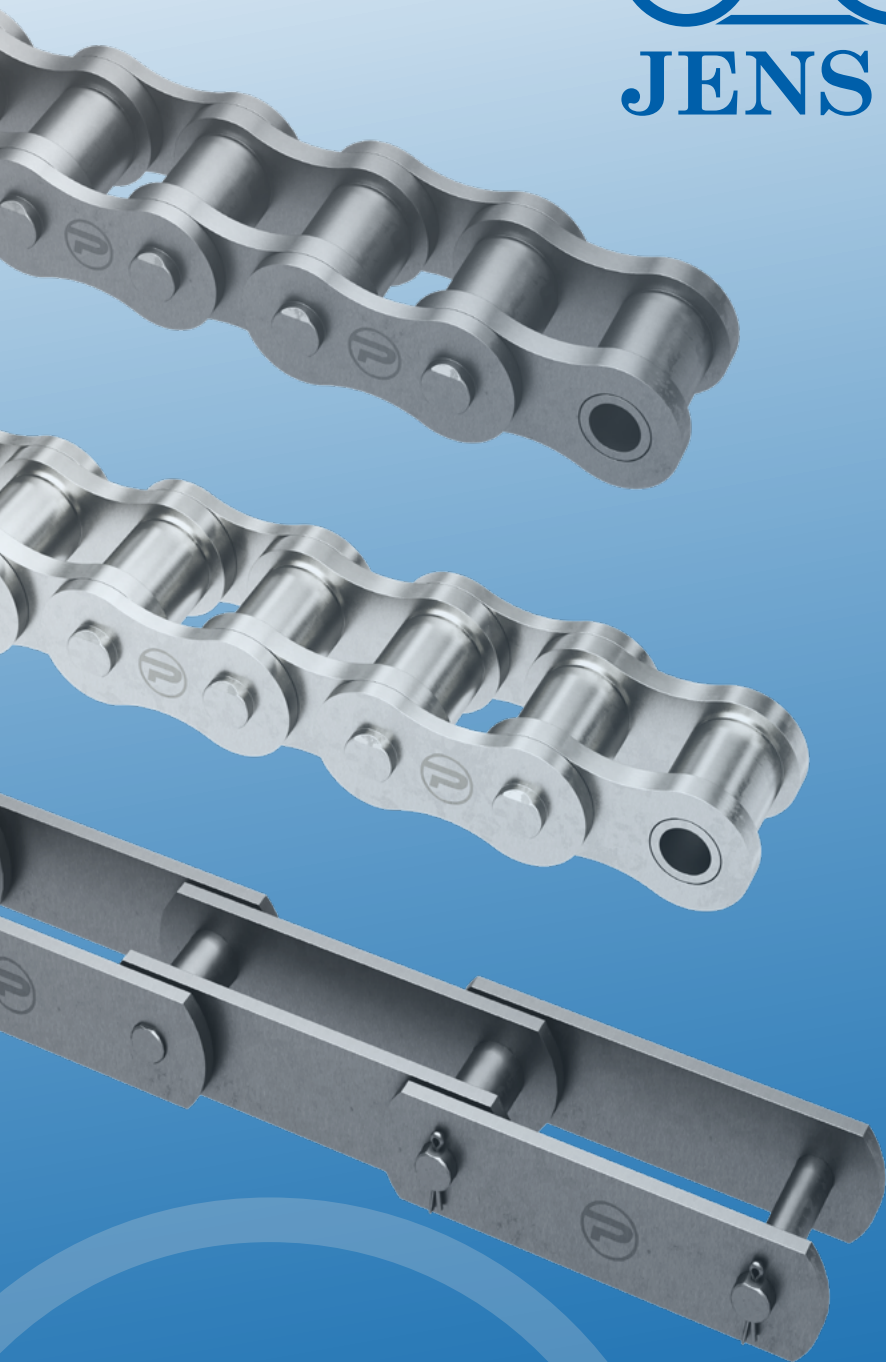
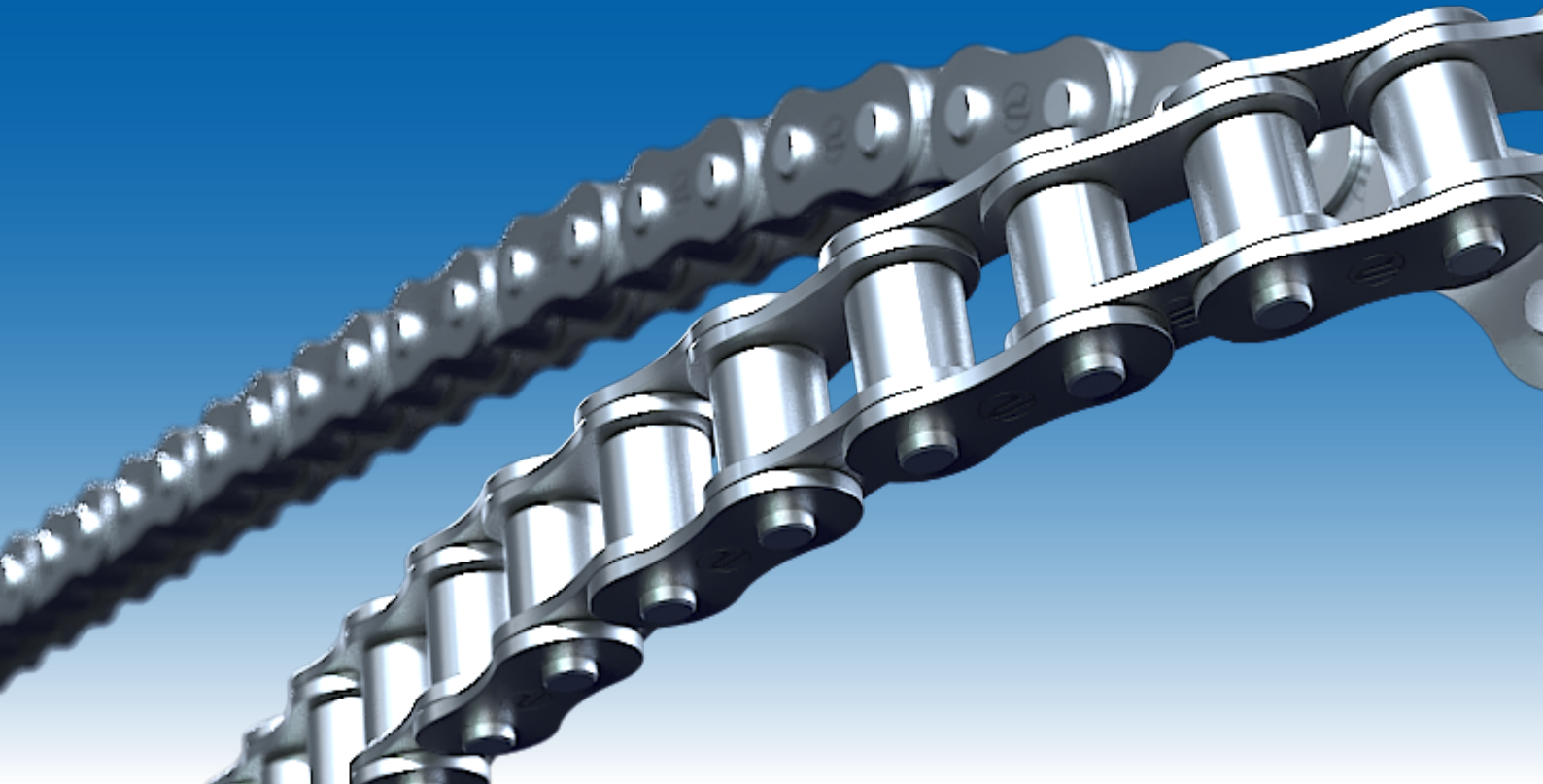




Protorque Chains

A cost-effective and reliable chain according to ISO606. See the different types here and find the best suitable for your application.



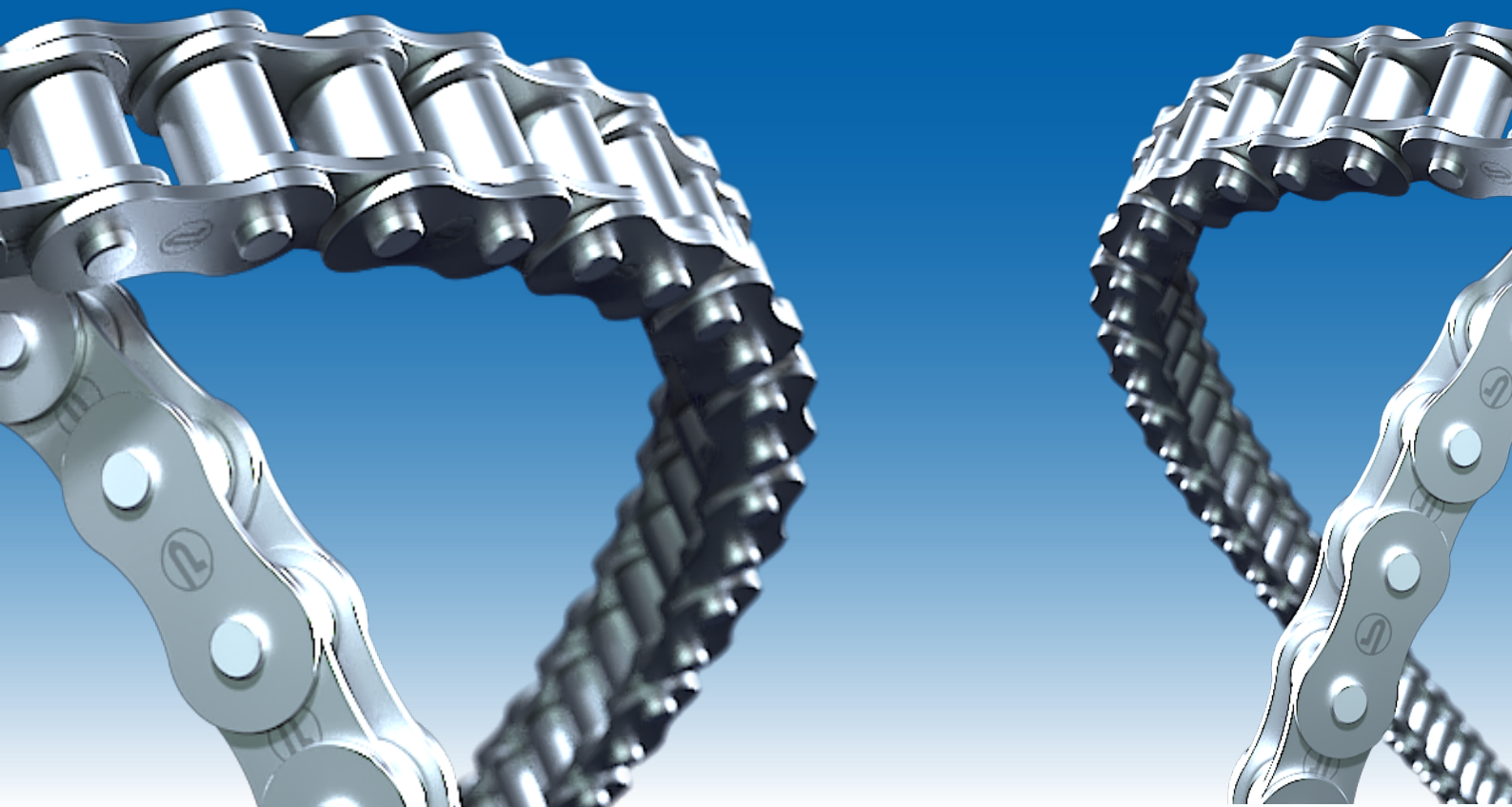
Protorque roller chain delivers efficient and reliable power transmission, which helps your business to minimize downtime and optimize productivity.

With Protorque you will get:

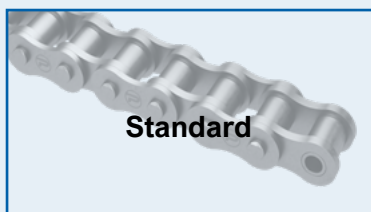
- A fit-for-function chain suitable for a broad range of industrial applications and is often used in all different industries like material handling and wood industries.
- A wide product range of the most common chains – if you have a specific wish, just ask and we will find a solution to you.
- Strong availability from stock (a few specific chains will not be in stock, but we will make it available for you upon request).
- A sustainable supply chain from audited suppliers.

Properties for Protorque chains

- Temperature operating range between -10°C to +80 °C with standard lubrication.
- All Protorque roller chains are pre-loaded to secure minimal start up adjustments
- Standard lubrication can be used on all chains used for common types of applications, directly out of the box.
- Protorque chains are ISO606 - DIN 8187 - DIN 8188 and meet RoHS and REACH requirements



Roller Chains - Product Range



Standard



Plus Chain



Corrosion resistant



Straight Sideplates



Nickel Plated



Zink Plated



Heavy Duty

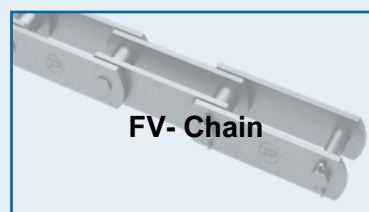


Rubber Top

Conveyor Chains - Product Range



M-Chain



FV- Chain



Double Pitch

Protorque roller chains

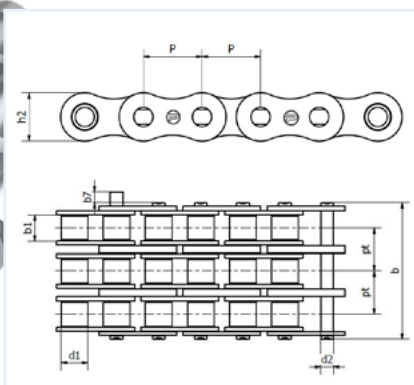
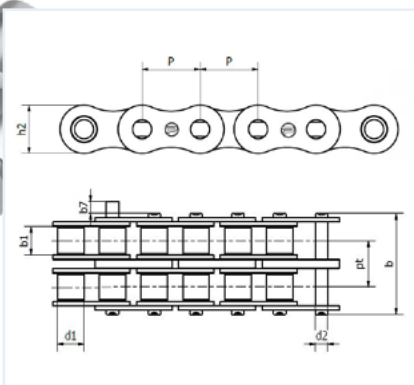
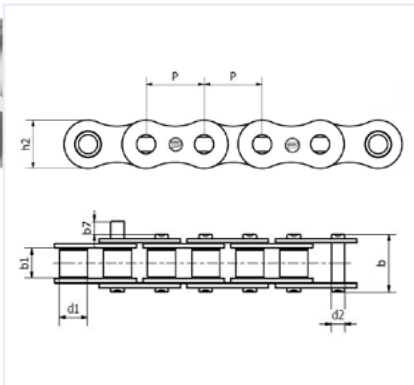
According to ISO 606

Standard roller chain

This is a fit-for-function chain suitable for a broad range of industrial applications and is often used in all different industries like material handling and wood industries. Standard roller chains are available in sizes 04B1-48B3 and on bobin in lengths of 30,40 and 50M. The chain is also available in Protorque PLUS execution and with straight side plates.

Technical features:

- Material: Steel
- Corrosion resistant: No
- Surface treatment: No
- Maintenance Free: No
- Lubrication: Yes



Simplex

ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load supplier min. [kN]	Weight [kg/m]
04B-1	-	6	4	2,8	3	0,11
05B-1	-	8	5	3	5	0,2
06B-1*	3/8"	9,525	6,35	5,72	9	0,41
081	1/2"	12,7	7,75	3,3	8	0,28
083	1/2"	12,7	7,75	4,88	11,6	0,42
08B-1	1/2"	12,7	8,51	7,75	17,8	0,69
10B-1	5/8"	15,875	10,16	9,65	22,2	0,93
12B-1	3/4"	19,05	12,07	11,68	28,9	1,15
16B-1	1"	25,4	15,88	17,02	60	2,71
20B-1	1 1/4"	31,75	19,05	19,56	95	3,7
24B-1	1 1/2"	38,1	25,4	25,4	160	7,1
28B-1	1 3/4"	44,45	27,94	30,99	200	8,5
32B-1	2"	50,8	29,21	30,99	250	10,25
40B-1	2 1/2"	63,5	39,37	38,1	355	16,35
48B-1	3"	76,2	48,26	45,72	560	25

* with straight sideplates

Duplex

ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load supplier min. [kN]	Transverse pitch pt [mm]	Weight [kg/m]
06B-2*	3/8"	9,525	6,35	5,72	16,9	10,24	0,77
08B-2	1/2"	12,7	8,51	7,75	31,1	13,92	1,34
10B-2	5/8"	15,875	10,16	9,65	44,5	16,59	1,84
12B-2	3/4"	19,05	12,07	11,68	57,8	19,46	2,31
16B-2	1"	25,4	15,88	17,02	106	31,88	5,42
20B-2	1 1/4"	31,75	19,05	19,56	170	36,45	7,2
24B-2	1 1/2"	38,1	25,4	25,4	280	48,36	13,4
28B-2	1 3/4"	44,45	27,94	30,99	360	59,56	16,6
32B-2	2"	50,8	29,21	30,99	450	58,55	21
40B-2	2 1/2"	63,5	39,37	38,1	630	72,29	32
48B-2	3"	76,2	48,26	45,72	1000	91,21	50

* with straight sideplates

Triplex

ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load supplier min. [kN]	Transverse pitch pt [mm]	Weight [kg/m]
06B-3*	3/8"	9,525	6,35	5,72	24,9	10,24	1,16
08B-3	1/2"	12,7	8,51	7,75	44,5	13,92	2,03
10B-3	5/8"	15,875	10,16	9,65	66,7	16,59	2,77
12B-3	3/4"	19,05	12,07	11,68	87,6	19,46	3,46
16B-3	1"	25,4	15,88	17,02	160	31,88	8,13
20B-3	1 1/4"	31,75	19,05	19,56	250	36,45	10,82
24B-3	1 1/2"	38,1	25,4	25,4	425	48,36	20,1
28B-3	1 3/4"	44,45	27,94	30,99	530	59,56	24,92
32B-3	2"	50,8	29,21	30,99	670	58,55	31,56
40B-3	2 1/2"	63,5	39,37	38,1	950	72,29	48,1
48B-3	3"	76,2	48,26	45,72	1500	91,21	75

* with straight sideplates

JENS S. ITEM NO. EXAMPLES

Chain: 12B1P
12B1P+

Straight side plates: 12B1GLP
12B1GLP+

Bobin: 12B1P-50M
12B1P+-50M

Standard roller chain - Straight side plates

The standard Protorque roller chains are available with straight side plates in sizes 08B1-24B1.

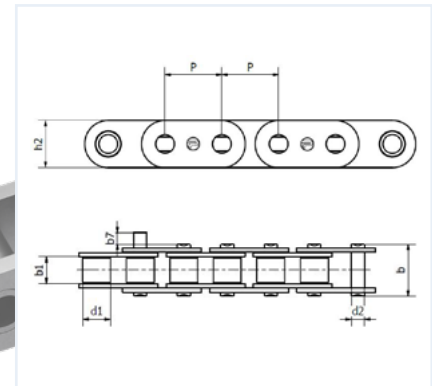
Technical features:

- Material: Steel
- Corrosion resistant: No
- Surface treatment: No
- Maintenance Free: No
- Lubrication: Yes

Simplex

ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load ISO min. [kN]	Weight [kg/m]
08B-1	1/2"	12,7	8,51	7,75	17,8	0,69
10B-1	5/8"	15,875	10,16	9,65	22,2	0,93
12B-1	3/4"	19,05	12,07	11,68	28,9	1,15
16B-1	1"	25,4	15,88	17,02	60	2,71
16B-1	1"	25,4	15,88	17,02	60	2,71
20B-1	1 1/4"	31,75	19,05	19,56	95	3,7
24B-1	1 1/2"	38,1	25,4	25,4	160	7,1
28B-1	1 3/4"	44,45	27,94	30,99	200	8,5
28B-1	1 3/4"	44,45	27,94	30,99	200	8,5

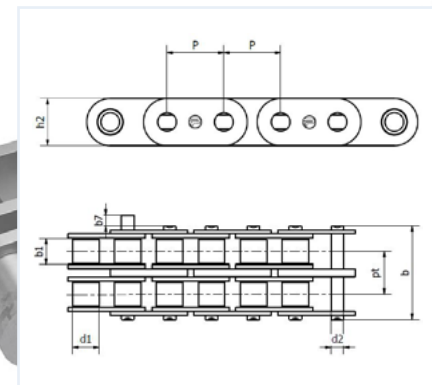
Available on bobin in lengths of 30M, 40M and 50M



Duplex

ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load supplier min. [kN]	Transverse pitch pt [mm]	Weight [kg/m]
08B-2	1/2"	12,7	8,51	7,75	32	13,92	1,34
10B-2	5/8"	15,875	10,16	9,65	44,5	16,59	1,84
12B-2	3/4"	19,05	12,07	11,68	57,8	19,46	2,31
16B-2	1"	25,4	15,88	17,02	106	31,88	5,42
16B-2	1"	25,4	15,88	17,02	106	31,88	5,42
20B-2	1 1/4"	31,75	19,05	19,56	170	36,45	7,
24B-2	1 1/2"	38,1	25,4	25,4	280	48,36	13,4
28B-2	1 3/4"	44,45	27,94	30,99	360	59,56	16,6

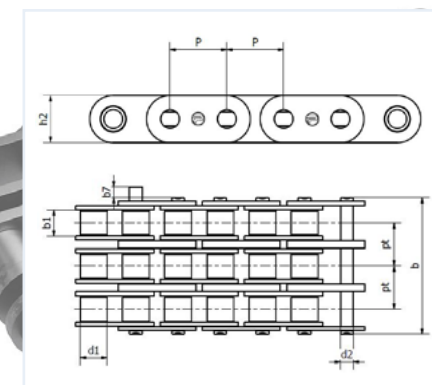
Available on bobin in lengths of 30M, 40M and 50M



Triplex

ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load supplier min. [kN]	Transverse pitch pt [mm]	Weight [kg/m]
08B-3	1/2"	12,7	8,51	7,75	44,5	13,92	2,03
10B-3	5/8"	15,875	10,16	9,65	44,5	16,59	1,84
12B-3	3/4"	19,05	12,07	11,68	57,8	19,46	2,31
16B-3	1"	25,4	15,88	17,02	106	31,88	5,42
16B-3	1"	25,4	15,88	17,02	106	31,88	5,42
20B-3	1 1/4"	31,75	19,05	19,56	250	36,45	10,82
24B-3	1 1/2"	38,1	25,4	25,4	425	48,36	20,1
28B-3	1 3/4"	44,45	27,94	30,99	530	59,56	24,92

Available on bobin in lengths of 30M, 40M and 50M



JENS S. ITEM NO. EXAMPLES

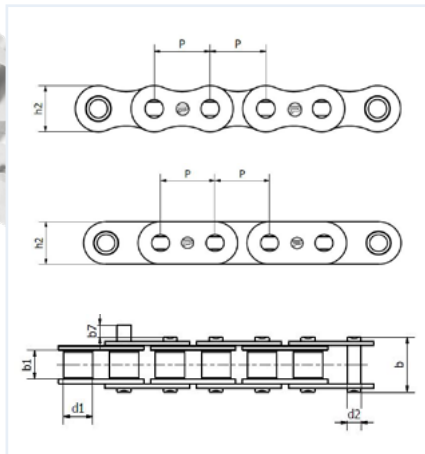
Straight side plates: 12B1GLP

Stainless steel roller chains

A solution when you need reliable performance in harsh environments or when there is contact with sensitive materials. Choose stainless steel design when protection against rust must be optimal. Available in sizes 06B1-16B2, in PLUS execution and with straight side plates.

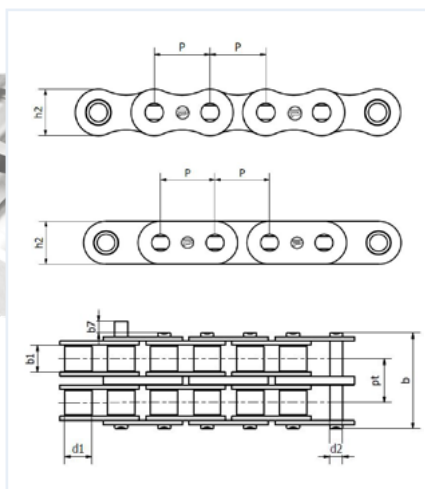
Technical features:

- Material: Stainless Steel
- Corrosion resistant: Yes
- Surface treatment: No
- Maintenance Free: No



Simplex						
ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load supplier min. [kN]	Weight [kg/m]
06B-1*	3/8"	9,525	6,35	5,72	6,2	0,41
08B-1	1/2"	12,7	8,51	7,75	12	0,7
10B-1	5/8"	15,875	10,16	9,65	14,5	0,94
12B-1	3/4"	19,05	12,07	11,68	18,5	1,16
16B-1	1"	25,4	15,88	17,02	40	2,73

* with straight sideplates



Duplex							
ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load supplier min. [kN]	Transverse pitch pt [mm]	Weight [kg/m]
08B-2	1/2"	12,7	8,51	7,75	21	13,92	1,4
10B-2	5/8"	15,875	10,16	9,65	14,5	16,59	0,94
12B-2	3/4"	19,05	12,07	11,68	18,5	19,45	1,16
16B-2	1"	25,4	15,88	17,02	40	31,88	2,73

JENS S. ITEM NO. EXAMPLES

Chain: 08B1SSP
08B1SSP+
08B1SSPGLP

FCM approved roller chains

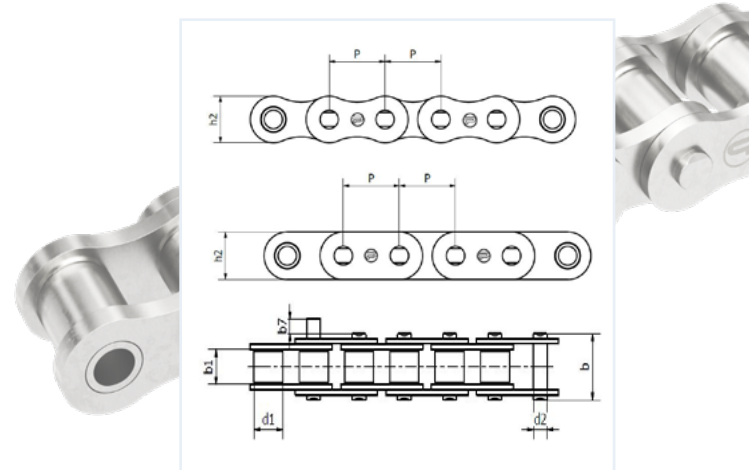
Jens S. stocks a large selection of food-approved chains in stainless steel. These chains are approved for use in food production by the relevant authorities. The production is documented and each chain can be traced back to the production of the raw material.

Technical features:

- Material: Stainless Steel
- Corrosion resistant: Yes
- Surface treatment: No
- Maintenance Free: No

Simplex						
ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load supplier min. [kN]	Weight [kg/m]
06B-1*	3/8"	9,525	6,35	5,72	6,2	0,41
08B-1	1/2"	12,7	8,51	7,75	12	0,7
10B-1	5/8"	15,875	10,16	9,65	14,5	0,94
12B-1	3/4"	19,05	12,07	11,68	18,5	1,16
16B-1	1"	25,4	15,88	17,02	40	2,73

* with straight sideplates



JENS S. ITEM NO. EXAMPLES

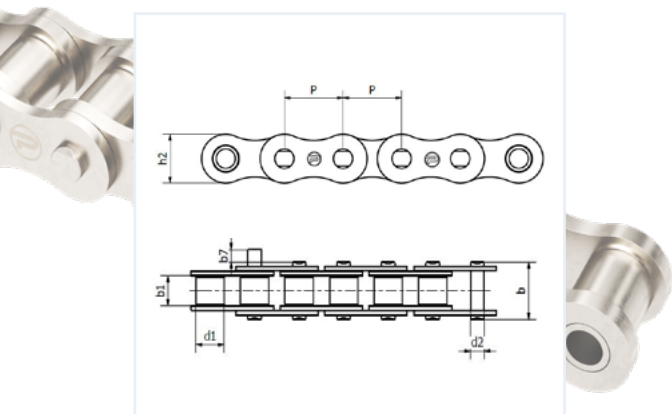
Chain: 08B1SSPF+
Connecting link with clips: 08B1SSPF+-11

Nickel plated roller chains

The best solution when you need reliable performance in harsh environments or when there is contact with sensitive materials. Choose nickel-plated when maximum strength and relatively good rust protection are required. Available in sizes 08B1 - 28B1.

Technical features:

- Material: Steel
- Corrosion resistant: Yes
- Surface treatment: Nickel plated
- Maintenance Free: No



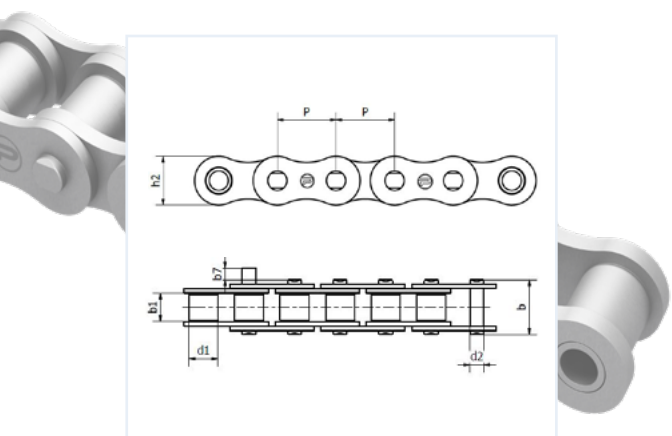
Simplex							
ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load supplier min. [kN]	Transverse pitch pt [mm]	Weight [kg/m]
08B-1	1/2"	12,7	8,51	7,75	18	13,92	0,69
10B-1	5/8"	15,875	10,16	9,65	22,4	16,59	0,93
12B-1	3/4"	19,05	12,07	11,68	29	19,46	1,15
16B-1	1"	25,4	15,88	17,02	60	31,88	2,71
20B-1	1 1/4"	31,75	19,05	19,56	95	36,45	3,7
24B-1	1 1/2"	38,1	25,4	25,4	160	48,36	7,1
28B-1	1 3/4"	44,45	27,94	30,99	200	59,56	8,5

Zinc plated roller chains

Corrosion resistant roller chains are your best option when you need reliable performance in tough environments, or contact with sensitive materials. Choose zinc plated when maximum strength and better rust protection are needed. Available sizes are 08B1 - 24B1.

Technical features:

- Material: Steel
- Corrosion resistant: Yes
- Surface treatment: Zinc plated
- Maintenance Free: No



Simplex						
ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load ISO min. [kN]	Weight [kg/m]
08B-1	1/2"	12,7	8,51	7,75	17,8	0,69
10B-1	5/8"	15,875	10,16	9,65	22,2	0,93
12B-1	3/4"	19,05	12,07	11,68	28,9	1,15
16B-1	1"	25,4	15,88	17,02	60	2,71
20B-1	1 1/4"	31,75	19,05	19,56	95	3,7
24B-1	1 1/2"	38,1	25,4	25,4	160	7,1

JENS S. ITEM NO. EXAMPLES

Chain Nickel: 10B1NP
Chain Zinc: 10B1ZP

Heavy duty roller chains

Protorque heavy duty chains have thicker side plates and treated pins for heavy load applications. Available in sizes in both ASA and European standard.

Technical features:

- Material: Steel
- Corrosion resistant: No
- Surface treatment: No
- Maintenance Free: No

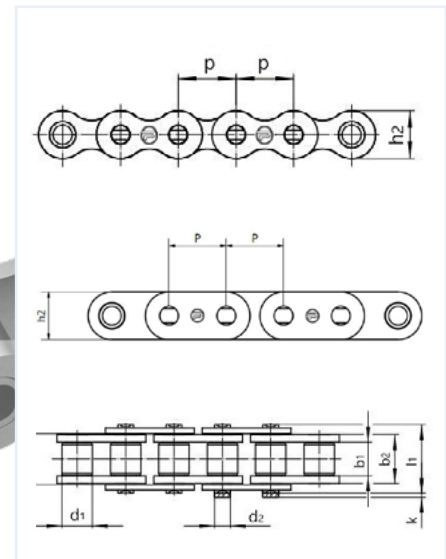
Simplex ASA

ISO standard size	Pitch, p [inch]	Pitch, p [mm]	b1 min. [mm]	d1 max. [mm]	Bearing area [cm ²]	Breaking load supplier min. [kN]	Weight [kg/m]
50H-1	5/8"	15,875	9,4	10,16	0,75	22,2	1,25
60H-1*	3/4"	19,05	12,57	11,91	1,16	31,8	1,87
60H-1	3/4"	19,05	12,57	11,91	1,16	31,8	1,87
100H-1	1 1/4"	31,75	18,9	19,05	2,77	88,5	4,52
120H-1	1 1/2"	38,1	25,22	22,23	4,13	127	6,6
140H-1	1 3/4"	44,45	25,22	25,4	4,94	172,4	8,3
160H-1	2"	50,8	31,55	28,58	6,7	226,8	10,3

* with straight sideplates

Simplex BS

ISO standard size	Pitch, p [inch]	Pitch, p [mm]	b1 min. [mm]	d1 max. [mm]	Breaking load supplier min. [kN]	Weight [kg/m]
12BH-Y2	3/4"	19,05	11,68	12,07	44	1,48
16BH-F2	1"	25,4	17,02	15,88	80	3,29



JENS S. ITEM NO. EXAMPLES

Chain ASA: 12A1HP

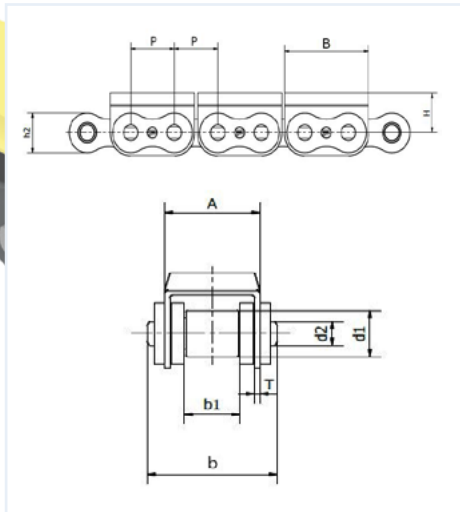
Chain BS: 12B1HP

Rubber top roller chains

These chains are available in simplex design sizes 08B-1-16B-1 and duplex design 08B-2 - 10B-2. It's unique profile with vulcanised elastomer makes this chain ideal for applications where fragile goods require gentle conveyor handling.

Technical features:

- Material: Steel
- Straight side plates: No
- Corrosion resistant: No
- Surface treatment: No
- Maintenance free: No



Simplex								
ISO standard size	Pitch, p [inch]	Pitch, p [mm]	b1 min [mm]	d1 max [mm]	A max [mm]	Bearing area, [cm²]	Breaking load supplier min. [kN]	Weight [kg/m]
08B-1	1/2"	12,7	7,75	8,51	14,6	0,5	18	0,69
10B-1	5/8"	15,875	9,65	10,16	16,8	0,67	22,4	0,93
12B-1	3/4"	19,05	11,68	12,07	19,6	0,89	29	1,15
16B-1	1"	25,4	17,02	15,88	29,5	2,1	60	2,71

Duplex									
ISO standard size	Pitch, p [inch]	Pitch, p [mm]	b1 min [mm]	d1 max [mm]	A max [mm]	Transverse pitch pt [mm]	Bearing area, [cm²]	Breaking load supplier min. [kN]	Weight [kg/m]
08B-2	1/2"	12,7	7,75	8,51	28,4	13,92	1,01	32	1,34
10B-2	5/8"	15,875	9,65	10,16	33,3	16,59	1,34	44,5	1,84

JENS S. ITEM NO. EXAMPLES

Chain: 10B1G1P+

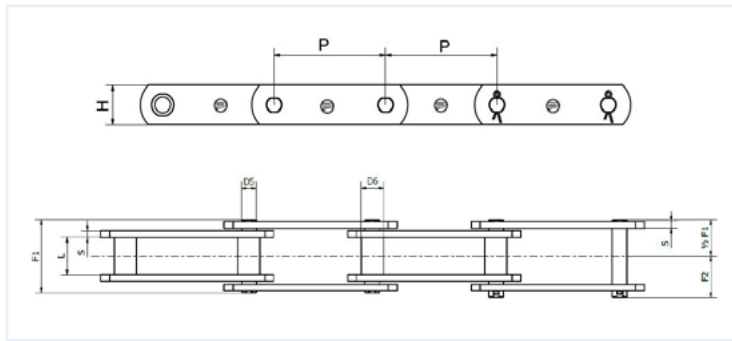
Type M and FV

Protorque conveyor chains are suitable for larger bulk handling and demanding applications. A cost-effective and reliable chain constructed according to established standard.

Temperature operating range between -10°C to +80 °C with standard lubrication. Carbon steel side plates gives excellent wear resistance for increased life and decreased maintenance. Protorque chains are ISO 1977 - DIN 8165 - DIN 8167 and meet RoHS and REACH requirements.

Product range:

- M56-M224 in steel
- FV63-FV180 in steel



M-Chain

Size	Pitch p, [mm]	Acc. to standard	b1 min [mm]	d1 max [mm]	d2 max [mm]	H max [mm]	Innerplate thickness [mm]	Outerplate thickness [mm]	F1 max [mm]	Breaking load min. [kN]	Weight, [kg/m]
M56	63	DIN 8167	24	15	10	30	4	4	45	56	3,32
M56	80	DIN 8167	24	15	10	30	4	4	45	56	3,01
MC56	80	DIN 8168	24	21	15,5	35	4	4	45	56	3,5
M56	100	DIN 8167	24	15	10	30	4	4	45	56	2,79
M56	125	DIN 8167	24	15	10	30	4	4	45	56	2,6
M80	80	DIN 8167	28	18	12	35	5	5	54,5	80	4,65
M80	100	DIN 8167	28	18	12	35	5	5	54,5	80	4,27
M80	125	DIN 8167	28	18	12	35	5	5	54,5	80	3,97
M112	80	DIN 8167	32	21	15	40	6	6	63	112	6,75
M112	100	DIN 8167	32	21	15	40	6	6	63	112	6,15
M112	125	DIN 8167	32	21	15	40	6	6	63	112	5,69
M112	160	DIN 8167	32	21	15	40	6	6	63	112	5,26
M160	100	DIN 8167	37	25	18	50	7	7	72	160	9,7
M160	125	DIN 8167	37	25	18	50	7	7	72	160	8,85
M160	160	DIN 8167	37	25	18	50	7	7	72	160	8,15
M224	125	DIN 8167	43	30	21	60	8	8	84	224	13,1
M224	160	DIN 8167	43	30	21	60	8	8	84	224	11,9
M224	200	DIN 8167	43	30	21	60	8	8	84	224	11,1

FV-Chain

Size	Pitch p, [mm]	Acc. to standard	b1 min [mm]	d1 max [mm]	d2 max [mm]	H max [mm]	Innerplate thickness [mm]	Outerplate thickness [mm]	F1 max [mm]	Breaking load min. [kN]	Weight, [kg/m]
FV63	100	DIN 8165	22	18	12	30	4	4	45	64	2,92
FV90	63	DIN 8165	25	20	14	35	5	5	53	100	5,72
FV90	100	DIN 8165	25	20	14	35	5	5	53	100	4,67
FV90	125	DIN 8165	25	20	14	35	5	5	53	100	4,35
FV112	100	DIN 8165	30	22	16	40	6	6	62	120	6,11
FV112	125	DIN 8165	30	22	16	40	6	6	62	120	5,85
FV112	100	DIN 8165	30	22	16	40	6	6	62	120	6,11
FV140	125	DIN 8165	35	26	18	45	6	6	67	145	6,78
FV140	160	DIN 8165	35	26	18	45	6	6	67	145	6,56
FV180	100	DIN 8165	45	30	20	50	8	8	86	190	11,2
FV180	160	DIN 8165	45	30	20	50	8	8	86	190	9,76

JENS S. ITEM NO. EXAMPLES

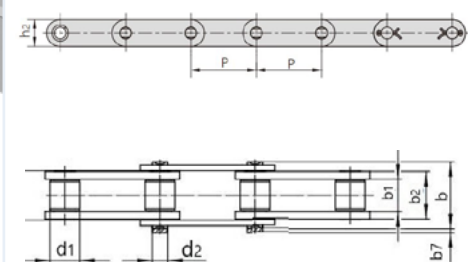
Chain: M112A80P
FV112A100P

C series - Double pitch roller chains

The Protorque double pitch chains are economical conveying chain for light and slow moving applications. Available in ASA standard with straight side plates. Our sizes in stock are 1 1/4" - 2 1/2".

Technical features:

- Chain design: Simple
- Material: Steel
- Execution: A
- Welded pin: No
- Welded bush: No



Size	Pitch, p [mm]	Pitch, p [inch]	b1 min. [mm]	d1 max. [mm]	Breaking load min. [ton]	Breaking load min. [kN]	Weight [kg/m]
C2050	31,75	1 1/4"	9,53	10,16	2,65	26,5	0,8
C2060	38,1	1 1/2"	12,7	11,91	3,8	38	1,6
C2080	50,8	2"	15,88	15,88	6,6	66	2,4
C2100	63,5	2 1/2"	19,05	19,05	10,9	109	3,6

JENS S. ITEM NO. EXAMPLES

Chain: C2060HP