

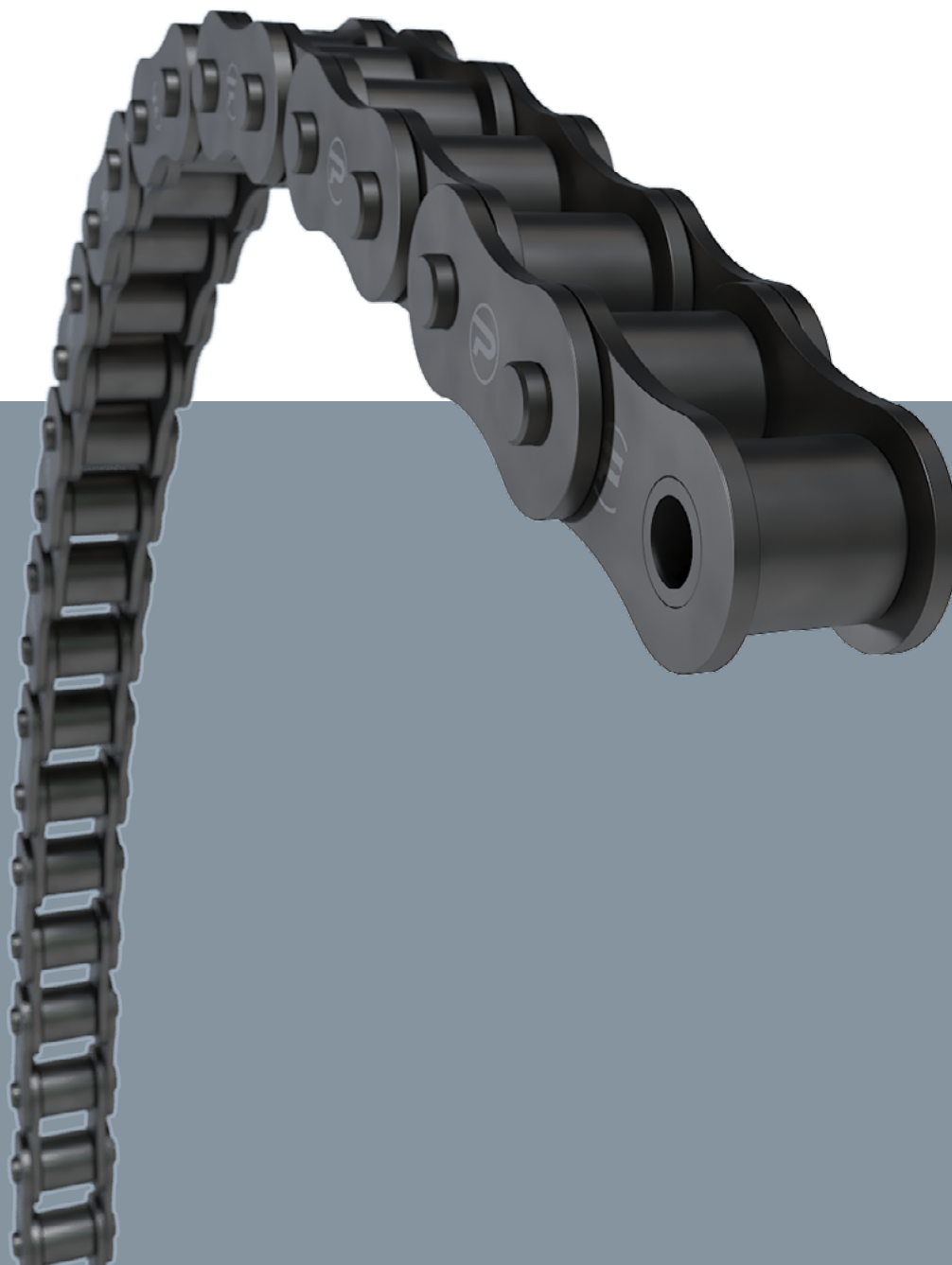
ROLLER CHAINS



PROTORQUE®

/ Roller Chains

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 roller 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



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.

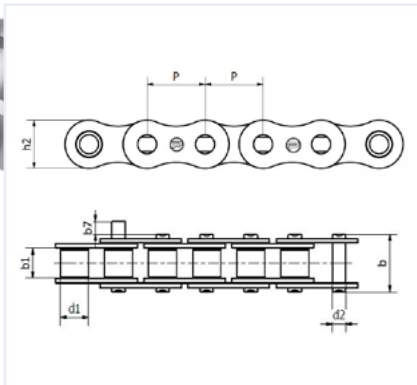
/ Roller Chains

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 with option of Protorque PLUS chain and with straight side plates.

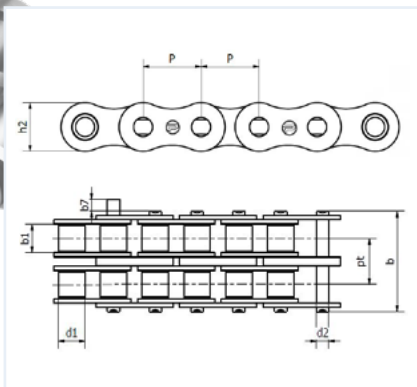
Technical features:

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



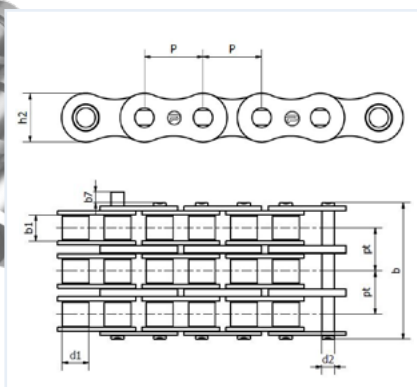
Simplex						
ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load supplier min. [kN]	Weight [kg/m]
04B-1	-	6	4	2,8	3	0,11
05B-1	-	8	5	3	5	0,2
06B-1*	3/8"	9,525	6,35	5,72	9	0,41
081	1/2"	12,7	7,75	3,3	8	0,28
083	1/2"	12,7	7,75	4,88	11,6	0,42
08B-1	1/2"	12,7	8,51	7,75	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

/ Roller Chains

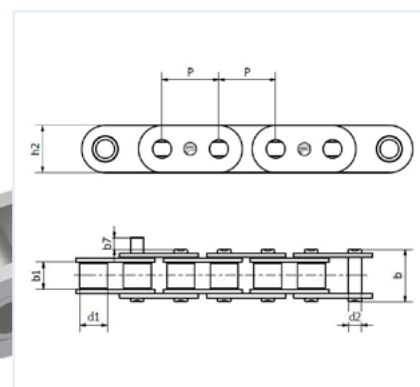
Standard roller chain - Straight side plates

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

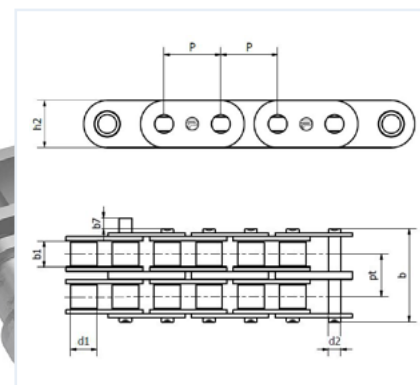
Technical features:

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

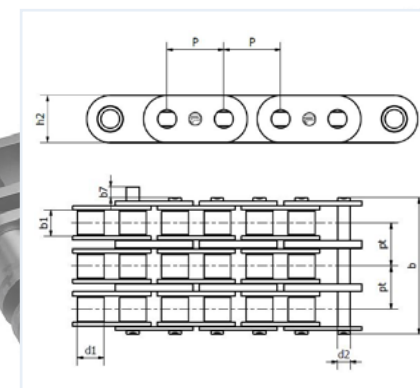
Simplex						
ISO standard size	Pitch, p [inch]	Pitch, p [mm]	d1 max [mm]	b1 min [mm]	Breaking load ISO min. [kN]	Weight [kg/m]
08B-1	1/2"	12,7	8,51	7,75	17,8	0,69
10B-1	5/8"	15,875	10,16	9,65	22,2	0,93
12B-1	3/4"	19,05	12,07	11,68	28,9	1,15
16B-1	1"	25,4	15,88	17,02	60	2,71
16B-1	1"	25,4	15,88	17,02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



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



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



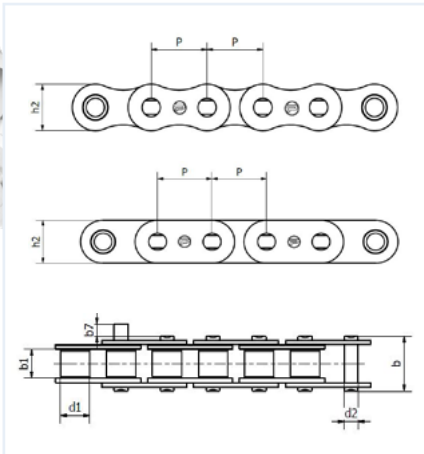
/ Roller Chains

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, as PLUS chain and with straight side plates.

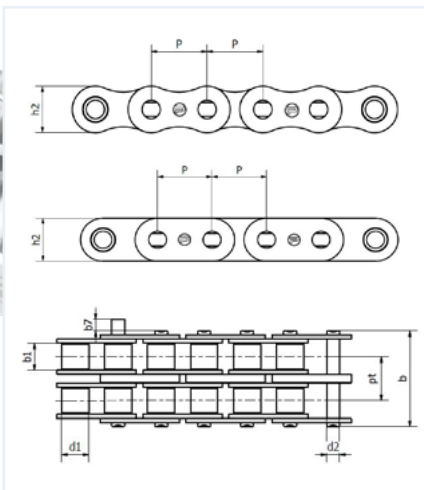
Technical features:

- 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

/ Roller Chains

FCM approved roller chains

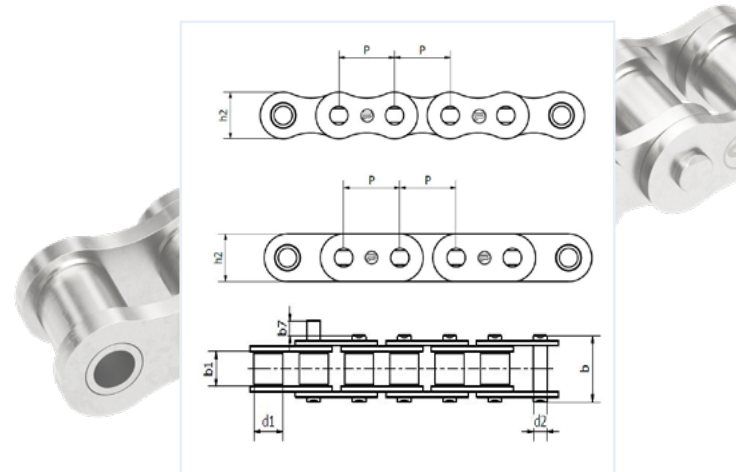
Jens S. stocks a large selection of food-approved chains in stainless steel. These chains are approved for use in food production by the relevant authorities. The production is documented and each chain can be traced back to the production of the raw material.

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



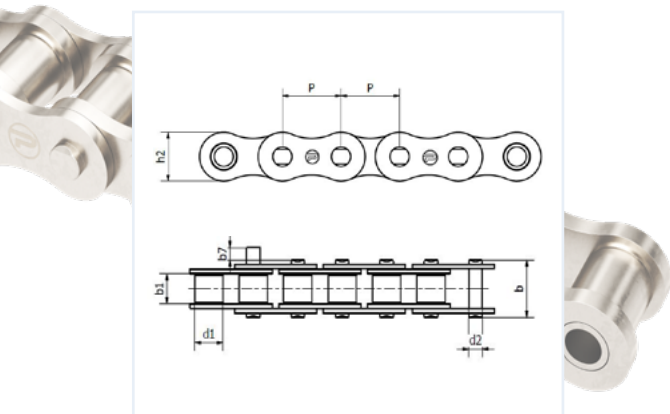
/ Roller Chains

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

/ Roller Chains

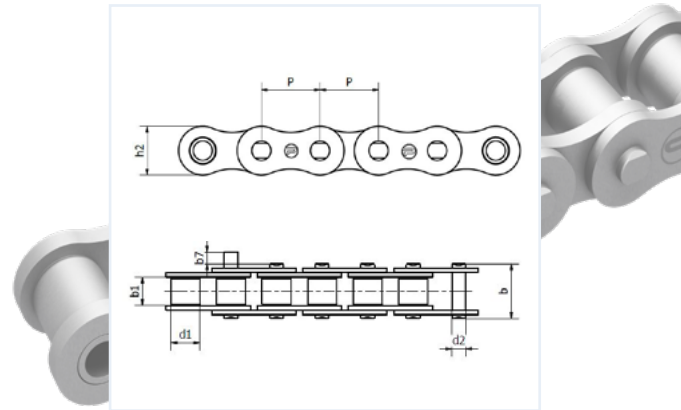
Zinc plated roller chains

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



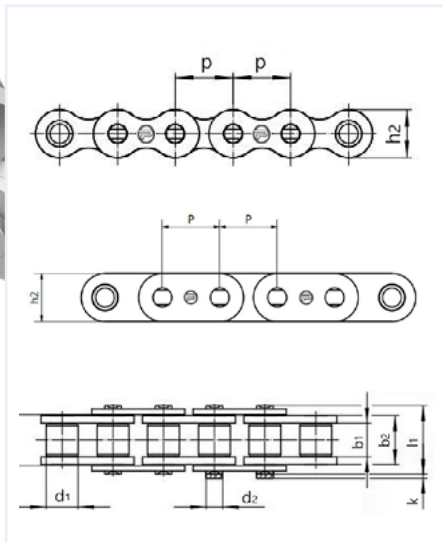
/ Roller Chains

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 [cm²]	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



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