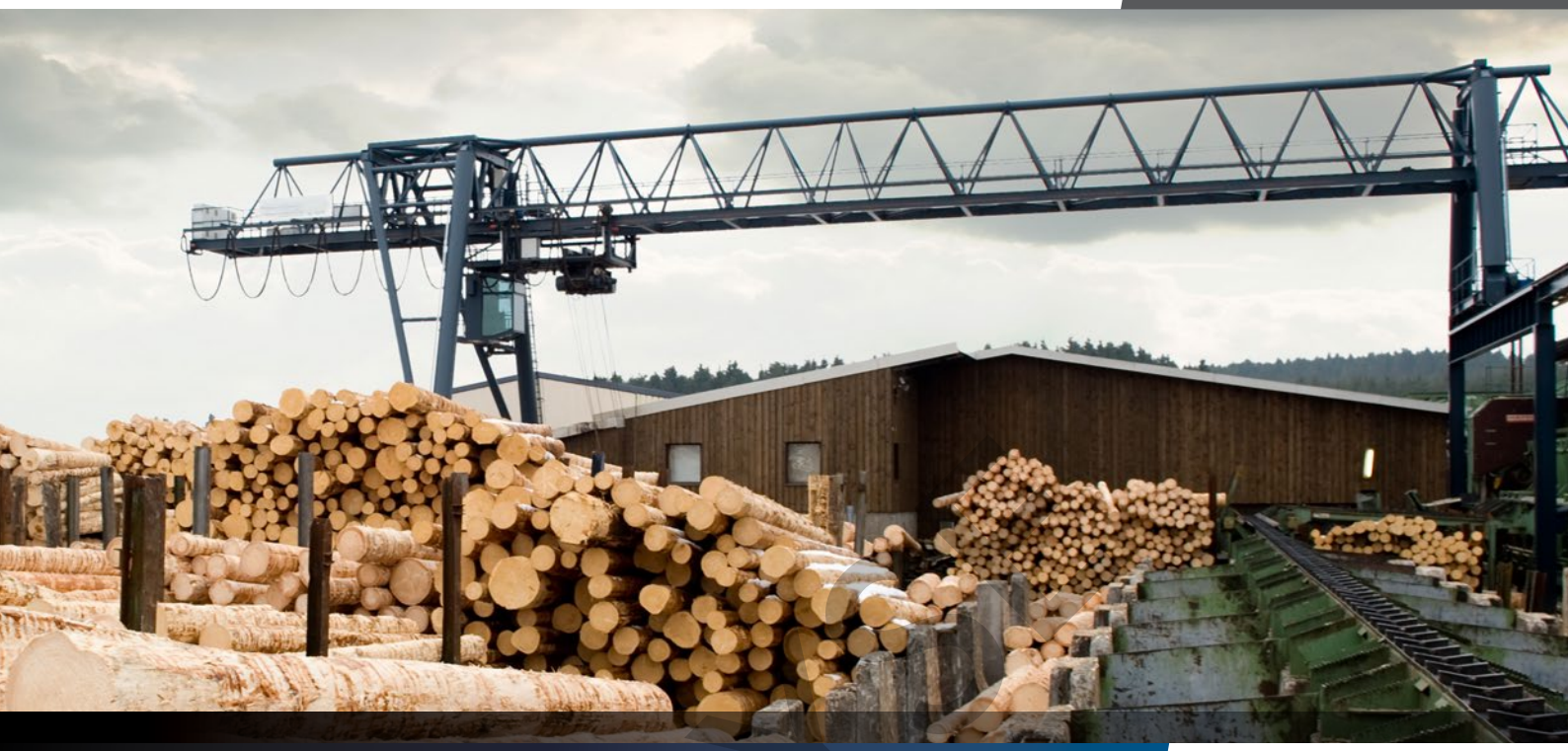
Rex™

ROYSE
rodamientos y servicios
Desde 1979

PRODUCT CATALOG



REX™ EXTREME PERFORMANCE ROLLER CHAIN CATALOG

METRIC

RegalRexnord™

Rex™ Extreme Performance Roller Chain for the Most Demanding Applications

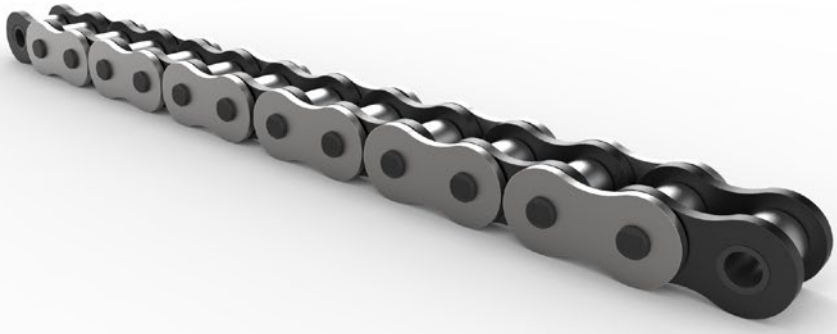
Introduction to the Rex™ Extreme Performance Products

Increasing market demands for extreme performance chain has driven Regal Rexnord to develop a product portfolio* suitable for heavy loading capacities and high fatigue resistance:

* All the chains are also available with attachments and extended pins. For prices, leadtimes and mimimum order quantities please consult our current price book or contact Regal Rexnord.

Rex Extreme Performance Chain will deliver:

- Improved wear resistance
- Improved dynamic and static safety
- Increased chain joint loading capability
- Improved hygiene
- Increased corrosion protection



RexAthletic™ Roller Chain

Extreme Performance

RexAthletic **low-maintenance** Roller Chain contains low-friction chain joints and provides long relubrication intervals. This chain features high dynamic loading capabilities, long wear life and high wear resistance.

Industries Served:

Material Handling
Automotive
Food & Beverage
Agriculture
Energy
General Mechanical Engineering

Low maintenance

Due to the high performance long-term lubrication the friction and the need for maintenance is reduced and the lubrication intervals are significantly longer. This is ideal in case the maintenance and lubrication possibilities are limited. The special coating of the pins and bushes offers an excellent sliding characteristic.

High dynamic loading capability

The RexAthletic Roller Chain is ideal for heavy loading applications in difficult conditions and in closed systems. It's also suitable for situations where high fatigue resistance is required.

Long wear life

Even with minimum lubrication and under heavy loads the RexAthletic Roller Chain has a high wear resistance and a long wear life. The wear life is much longer compared to standard chains. The chain contains improved protection against stiff joints and links.

Features

- Outstanding tribological characteristics
- Excellent sliding properties
- High fatigue strength and chain traction comparable with Rex™ High Performance Chains
- Improved protection against chain joint stiffness
- NSF H2 certification for the food industry
- Chain sizes with pitch from 12.7 millimeter (mm) to 50.8 mm available (special sizes on request)
- Dimensions in accordance with DIN, ANSI and ISO standards

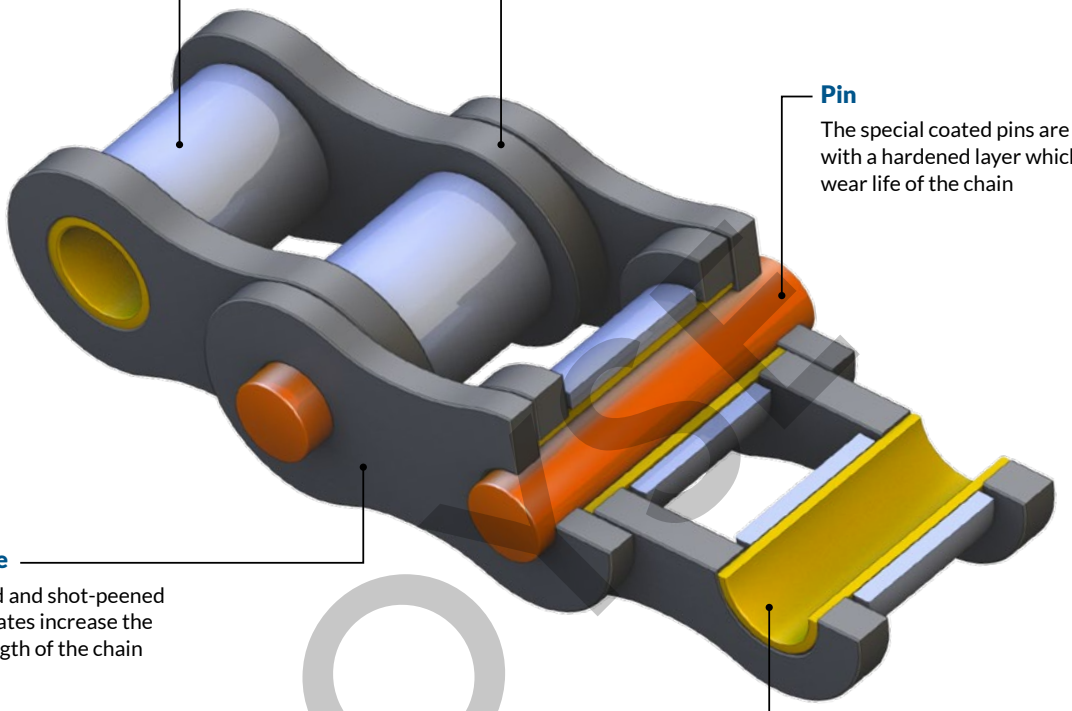
Advantages

- Reduced maintenance and longer lubrication intervals
- High wear resistance even with inadequate lubrication
- Extended wear life under tough loading conditions
- Cost-effective

Lubrication

- High quality long-term lubricant
- No dripping of lubricant
- Water-resistant
- Temperature range from 0 degrees Celsius (°C) to +120°C
- Temperature range extension from – 40°C to + 250°C possible with high- or low-temperature lubricants

RexAthletic™ Roller Chain



Roller
Cold-formed, shock-resistant rollers protect the chain joint against shock loads

Inner plate
Heat-treated and shot-peened inner side plates increase the fatigue strength of the chain

Pin
The special coated pins are equipped with a hardened layer which increases wear life of the chain

Outer plate
Heat-treated and shot-peened outer side plates increase the fatigue strength of the chain

Bush
Extended lubrication intervals as a result of cold-formed, special treated bushings

Loading capacity

- High loading capacity

Wear resistance

- Ideal where maintenance and lubrication possibilities are restricted
- Longer maintenance and lubrication intervals
- Long service life

Eco-friendly

- Less relubrication necessary
- Free of chromium VI
- NSF H2 certification

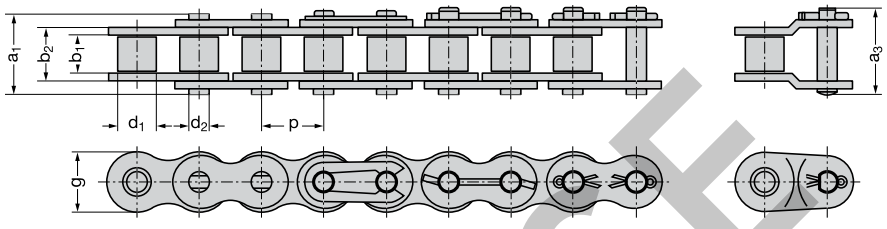
CE This product meets the requirements of Machine Directive 2006/42/EC

European standard – RexAthletic™ Roller Chain ISO 606

Simplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN / ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E*	L	S*
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
08 B - 1 AT	0.50	12.7	7.75	8.51	4.45	11.30	11.6	–	17.0	20.9	0.50	17 800	21 000	0.7		x	x	x	x	
10 B - 1 AT	0.625	15.875	9.65	10.16	5.08	13.28	14.6	–	19.6	23.7	0.67	22 200	25 000	0.9	x	x	x	x	x	
12 B - 1 AT	0.75	19.05	11.68	12.07	5.72	15.62	15.9	–	22.7	27.3	0.89	28 900	32 000	1.2	x	x	x	x	x	
16 B - 1 AT	1.00	25.4	17.02	15.88	8.28	25.40	20.5	–	36.1	41.5	2.10	60 000	80 000	2.7	x	x	x	x	x	
20 B - 1 AT	1.25	31.75	19.56	19.05	10.19	29.00	25.7	–	40.4	47.6	2.96	95 000	120 000	3.8	x	x	x		x	x
24 B - 1 AT	1.50	38.1	25.40	25.40	14.63	37.90	33.0	–	53.8	60.6	5.54	160 000	211 000	7.0	x	x	x		x	x
28 B - 1 AT	1.75	44.45	30.99	27.97	15.90	46.50	37.0	–	63.3	72.8	7.35	200 000	240 000	8.9		x	x		x	x
32 B - 1 AT	2.00	50.8	30.99	29.21	17.81	45.50	41.2	–	65.1	73.6	8.10	250 000	315 000	9.9	x	x	x		x	x

* Loose parts are produced in RexHiProAthletic™ version



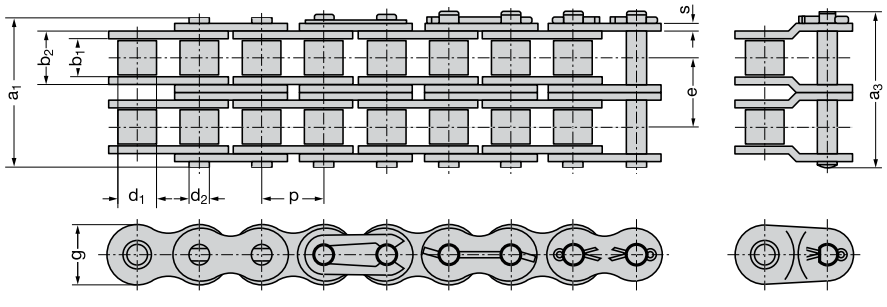
B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

European standard – RexAthletic Roller Chain ISO 606

Duplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN / ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E*	L	S*
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
08 B - 2 AT	0.50	12.7	7.75	8.51	4.45	11.30	11.6	13.92	30.6	34.9	1.01	31 100	43 000	1.4		x	x	x	x	
10 B - 2 AT	0.625	15.875	9.65	10.16	5.08	13.28	14.6	16.59	35.5	40.3	1.35	44 500	50 000	1.8	x	x	x	x	x	
12 B - 2 AT	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	41.7	46.8	1.79	57 800	64 000	2.3	x	x	x	x	x	
16 B - 2 AT	1.00	25.4	17.02	15.88	8.28	25.40	20.5	31.88	67.4	73.4	4.21	106 000	140 000	5.3	x	x	x	x	x	
20 B - 2 AT	1.25	31.75	19.56	19.05	10.19	29.00	25.7	36.45	76.9	83.6	5.91	170 000	230 000	7.5	x	x	x		x	x
24 B - 2 AT	1.50	38.1	25.40	25.40	14.63	37.90	33.0	48.36	102.2	122.7	11.09	280 000	370 000	13.7	x	x	x		x	x
28 B - 2 AT	1.75	44.45	30.99	27.97	15.90	46.50	37.0	59.56	122.8	132.7	14.69	360 000	480 000	17.8		x	x		x	x
32 B - 2 AT	2.00	50.8	30.99	29.21	17.81	45.50	41.2	58.55	123.6	132.4	16.21	450 000	530 000	19.6	x	x	x		x	x

* Loose parts are produced in RexHiProAthletic version



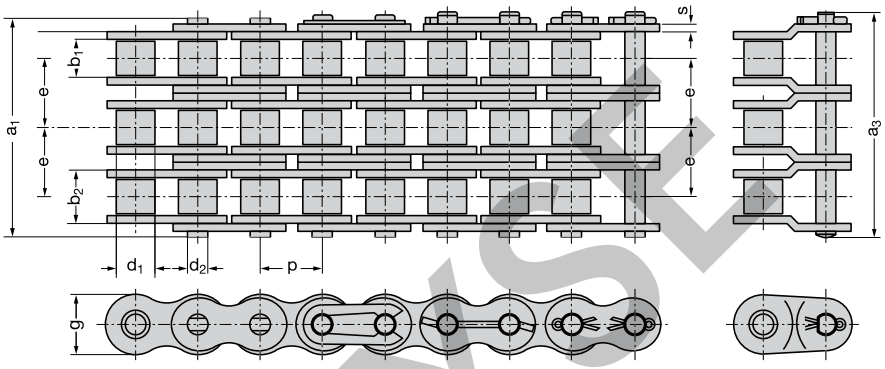
B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

European standard – RexAthletic™ Roller Chain ISO 606

Triplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E*	L	S*
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
08 B - 3 AT	0.50	12.7	7.75	8.51	4.45	11.30	11.6	13.92	44.6	48.8	1.51	44 500	64 000	2.1		x	x	x	x	
10 B - 3 AT	0.625	15.875	9.65	10.16	5.08	13.28	14.6	16.59	52.2	56.9	2.02	66 700	75 000	2.7	x	x	x	x	x	
12 B - 3 AT	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	61.3	66.3	2.68	86 700	96 000	3.7	x	x	x	x	x	
16 B - 3 AT	1.00	25.4	17.02	15.88	8.28	25.40	20.5	31.88	99.3	105.3	6.31	160 000	210 000	7.9	x	x	x	x	x	
20 B - 3 AT	1.25	31.75	19.56	19.05	10.19	29.00	25.7	36.45	113.4	121.2	8.87	250 000	340 000	11.2	x	x	x		x	x
24 B - 3 AT	1.50	38.1	25.40	25.40	14.63	37.90	33.0	48.36	150.5	160.4	16.63	425 000	560 000	20.4	x	x	x		x	x
28 B - 3 AT	1.75	44.45	30.99	27.97	15.90	46.50	37.0	59.56	182.3	192.2	22.04	530 000	720 000	26.7		x	x		x	x
32 B - 3 AT	2.00	50.8	30.99	29.21	17.81	45.50	41.2	58.55	182.2	191.0	24.31	670 000	795 000	29.3	x	x	x		x	x

* Loose parts are produced in RexHiProAthletic™ version



B inner link

A outer link

E connecting link with spring clip

S connecting link with cotter pin

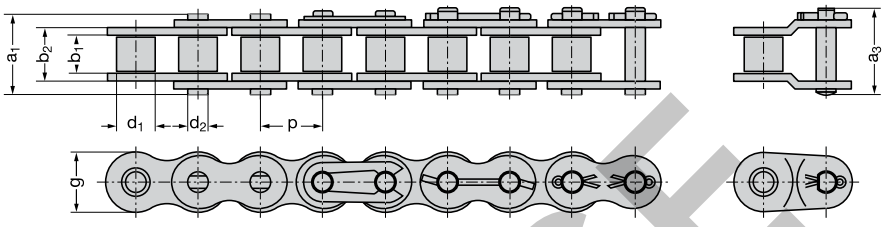
L cranked link with cotter pin

American standard – RexAthletic™ Roller Chain ISO 606

Simplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E*	L**	S*
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
60 - 1 AT	0.75	19.05	12.57	11.91	5.94	17.70	17.8	–	25.7	28.6	1.05	31 300	40 000	1.5	x	x	x	x	x	
80 - 1 AT	1.00	25.4	15.75	15.88	7.92	22.50	23.6	–	33.0	38.0	1.78	55 600	65 000	2.6	x	x	x	x	x	
100 - 1 AT	1.25	31.75	18.90	19.05	9.53	27.40	29.2	–	39.4	44.9	2.61	87 000	105 000	4.0		x	x		x	x
120 - 1 AT	1.50	38.1	25.22	22.23	11.10	35.30	34.4	–	49.8	56.1	3.92	125 000	145 000	5.5		x	x		x	x
140 - 1 AT	1.75	44.45	25.22	25.40	12.70	37.00	40.8	–	53.4	59.3	4.70	170 000	220 000	7.5		x	x		x	x
160 - 1 AT	2.00	50.8	31.55	28.58	14.27	45.00	47.8	–	63.6	68.9	6.42	223 000	260 000	10.2		x	x		x	x

* Loose parts are produced in RexHiProAthletic™ version
** Not compatible with straight sided plate roller chain



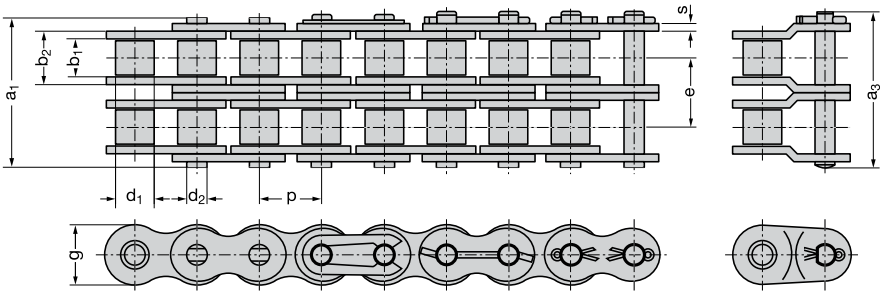
B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

American standard – RexAthletic Roller Chain ISO 606

Duplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E*	L**	S*
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
60 - 2 AT	0.75	19.05	12.57	11.91	5.94	17.70	17.8	22.78	48.5	51.5	2.10	62 600	80 000	3.0	x	x	x	x	x	
80 - 2 AT	1.00	25.4	15.75	15.88	7.92	22.50	23.6	29.29	62.4	57.1	3.56	111 200	150 000	5.2	x	x	x	x	x	
100 - 2 AT	1.25	31.75	18.90	19.05	9.53	27.40	29.2	35.76	75.3	87.8	5.22	174 000	220 000	8.0		x	x		x	x
120 - 2 AT	1.50	38.1	25.22	22.23	11.10	35.30	34.4	45.44	95.3	101.6	7.84	250 000	290 000	11.0		x	x		x	x
140 - 2 AT	1.75	44.45	25.22	25.40	12.70	37.00	40.8	48.87	103.3	109.6	9.40	340 000	440 000	14.9		x	x		x	x
160 - 2 AT	2.00	50.8	31.55	28.58	14.27	45.00	47.8	58.55	122.1	130.1	12.84	446 000	490 000	20.2		x	x		x	x

* Loose parts are produced in RexHiProAthletic version
** Not compatible with straight sided plate roller chain



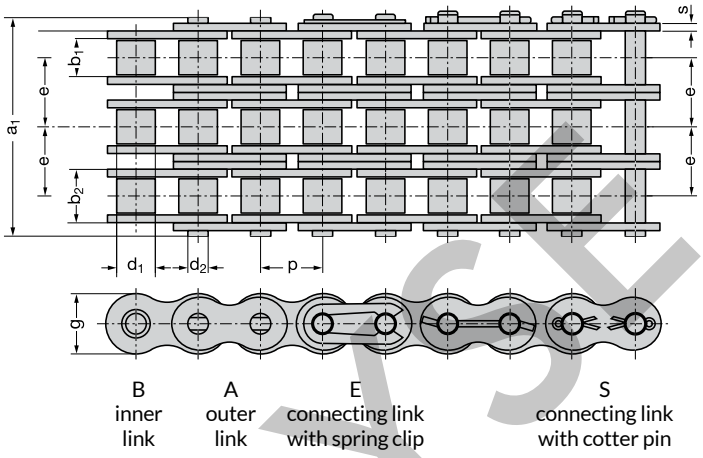
B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

American standard – RexAthletic™ Roller Chain ISO 606

Triplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts			
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q					
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m		A	B	E*	S*
60 - 3 AT	0.75	19.05	12.57	11.91	5.94	17.70	17.8	22.78	72.6	77.2	3.15	93 900	120 000	4.5	x	x	x	x	
80 - 3 AT	1.00	25.4	15.75	15.88	7.92	22.50	23.6	29.29	91.9	97.3	5.35	166 800	220 000	7.8	x	x	x		x
100 - 3 AT	1.25	31.75	18.90	19.05	9.53	27.40	29.2	35.76	111.1	117.2	7.83	261 000	300 000	12.0		x	x		x
120 - 3 AT	1.50	38.1	25.22	22.23	11.10	35.30	34.4	45.44	140.7	148.3	11.75	375 000	450 000	16.5		x	x		x
140 - 3 AT	1.75	44.45	25.22	25.40	12.70	37.00	40.8	48.87	151.2	158.5	14.10	510 000	660 000	22.3		x	x		x
160 - 3 AT	2.00	50.8	31.55	28.58	14.27	45.00	47.8	58.55	180.7	188.7	19.26	669 000	730 000	30.3		x	x		x

* Loose parts are produced in RexHiProAthletic™ version



B inner link

A outer link

E connecting link with spring clip

S connecting link with cotter pin

RexHiPro™ Roller Chain

Extreme Performance

RexHiPro Roller Chain provides excellent **corrosion resistance** and features high dynamic loading capabilities, an extended wear life and high wear resistance.

Industries Served:

Food & Beverage
Agriculture
Wood
Material Handling

Environmentally friendly

The RexHiPro Roller Chain is environmentally friendly because it's completely free from chromium VI and heavy metals, silicone and Teflon. The chain lubrication has a NSF H2 certification and the chain is conform to RoHS:2011 standard (Directive 2011/65/EU) and Directive 2000/53/EC.

Excellent corrosion resistance

Coated with xyz anti-corrosion additive to maintain corrosion free resistance for over 600 hours.

Long working life

The RexHiPro Roller Chain is ideal for outdoor use including wet conditions. It has an extremely long working life due to the anti-corrosion coating for all chain parts and the high strength and long-term loading capacity.

Features

- Corrosion resistance over 600 hours (salt spray test conforms to ISO 9227)
- Tensile strength and long-term loading capacity comparable with RexPro™ Chain
- Dimensions in accordance with DIN, ANSI and ISO-Norm
- No process-related hydrogen embrittlement
- NSF H2 certification
- RoHS:2011 compliant for electronics industry
- Free from chromium VI, conform to guidelines 2011/65/EU, ROHS and Directive 2000/53/EC

Advantages

- Corrosion-resistant
- Excellent resistance to liquids used in the automotive industry
- Long wear life
- Cost-effective

Lubrication

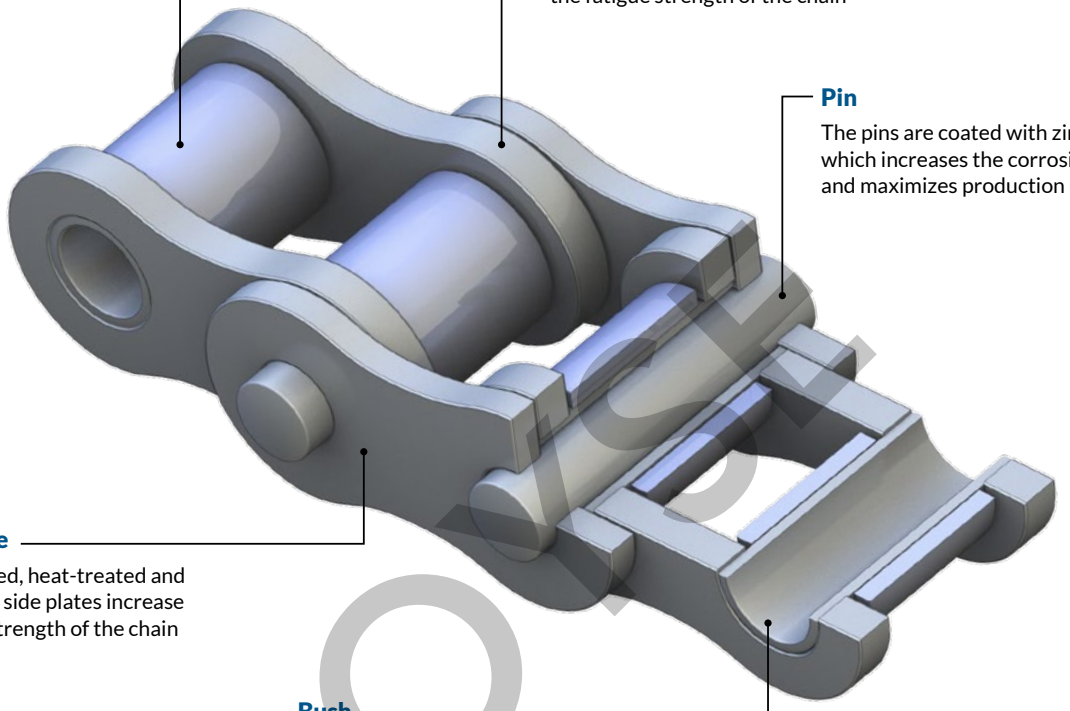
- Operating temperature: -30°C to +130°C
- With high temperature lubricants use is possible up to 250°C
- Use of RexPro Lubrication, free from heavy metals, silicone and Teflon

RexHiPro™ Roller Chain

Roller
Zinc-plated and cold-formed shock-resistant roller protects the chain joint against shock loads

Inner plate
Special-coated, heat-treated and shot-peened side plates increase the fatigue strength of the chain

Pin
The pins are coated with zinc plating which increases the corrosion protection and maximizes production uptime



Outer plate
Special-coated, heat-treated and shot-peened side plates increase the fatigue strength of the chain

Bush
Zinc-plated, cold-formed bushes increase the corrosion protection of the chain

Loading capacity

- High loading capacity

Wear resistance

- Servicing intervals as for RexPro™ Roller Chain
- Long service life

Eco-friendly

- NSF H2 certification
- Free of chromium VI

Damp corrosion resistance

- Outstanding corrosion resistance
- Suitable for the Food & Beverage industry
- Ideal for outside applications

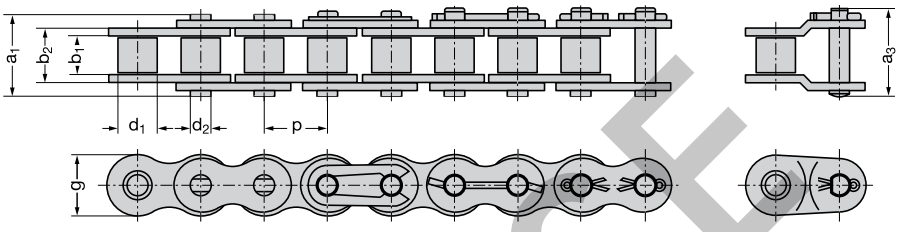
CE This product meets the requirements of Machine Directive 2006/42/EC

European standard – RexHiPro™ Roller Chain ISO 606

Simplex roller chain

Chain No.*	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E**	L	S**
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
08 B - 1 HiPro	0.50	12.7	7.75	8.51	4.45	11.30	11.6	-	17.0	20.9	0.50	17 800	21 000	0.7		x	x	x	x	
10 B - 1 HiPro	0.625	15.875	9.65	10.16	5.08	13.28	14.6	-	19.6	23.7	0.67	22 200	25 000	0.9	x	x	x	x	x	
12 B - 1 HiPro	0.75	19.05	11.68	12.07	5.72	15.62	15.9	-	22.7	27.3	0.89	28 900	32 000	1.2	x	x	x	x	x	
16 B - 1 HiPro	1.00	25.40	17.02	15.88	8.28	25.40	20.5	-	36.1	41.5	2.10	60 000	80 000	2.7	x	x	x	x	x	
20 B - 1 HiPro	1.25	31.75	19.56	19.05	10.19	29.00	25.7	-	40.4	47.6	2.96	95 000	120 000	3.8	x	x	x		x	x
24 B - 1 HiPro	1.50	38.10	25.40	25.40	14.63	37.90	33.0	-	53.8	60.6	5.54	160 000	211 000	7.0	x	x	x		x	x
28 B - 1 HiPro	1.75	44.45	30.99	27.97	15.80	46.50	37.0	-	63.3	72.8	7.35	200 000	240 000	8.9		x	x		x	x
32 B - 1 HiPro	2.00	50.80	30.99	29.21	17.81	45.50	41.2	-	65.1	73.6	8.10	250 000	315 000	9.9	x	x	x		x	x

* Also available as triplex on request
** Loose parts are produced in RexHiProAthletic™ version



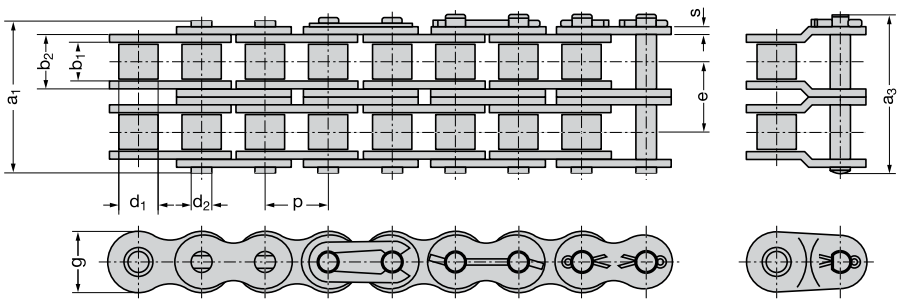
B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

European standard – RexHiPro Roller Chain ISO 606

Duplex roller chain

Chain No.*	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E**	L	S**
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
08 B - 2 HiPro	0.50	12.7	7.75	8.51	4.45	11.30	11.6	13.92	30.6	34.9	1.01	31 100	43 000	1.4		x	x	x	x	
10 B - 2 HiPro	0.625	15.875	9.65	10.16	5.08	13.28	14.6	16.59	35.5	40.3	1.35	44 500	50 000	1.8	x	x	x	x	x	
12 B - 2 HiPro	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	41.7	46.8	1.79	57 800	64 000	2.3	x	x	x	x	x	
16 B - 2 HiPro	1.00	25.4	17.02	15.88	8.28	25.40	20.5	31.88	67.4	73.4	4.21	106 000	140 000	5.3	x	x	x	x	x	
20 B - 2 HiPro	1.25	31.75	19.56	19.05	10.19	29.00	25.7	36.45	76.9	83.6	5.91	170 000	230 000	7.5	x	x	x		x	x
24 B - 2 HiPro	1.50	38.1	25.40	25.40	14.63	37.90	33.0	48.36	102.2	122.7	11.09	280 000	370 000	13.7	x	x	x		x	x
28 B - 2 HiPro	1.75	44.45	30.99	27.97	15.80	46.50	37.0	59.56	122.8	132.7	14.69	360 000	480 000	17.8		x	x		x	x
32 B - 2 HiPro	2.00	50.8	30.99	29.21	17.81	45.50	41.2	58.55	123.6	132.4	16.21	450 000	530 000	19.6	x	x	x		x	x

* Also available as triplex on request
** Loose parts are produced in RexHiProAthletic version



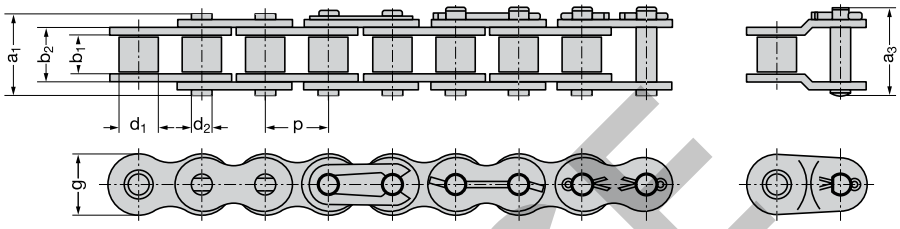
B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

American standard – RexHiPro™ Roller Chain ISO 606

Simplex roller chain

Chain No.*	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E**	L***	S**
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
60 - 1 HiPro	0.75	19.05	12.57	11.91	5.94	17.70	17.8	–	25.7	28.6	1.05	31 300	40 000	1.5	x	x	x	x	x	
80 - 1 HiPro	1.00	25.4	15.75	15.88	7.92	22.50	23.6	–	33.0	38.0	1.78	55 600	65 000	2.6	x	x	x	x	x	
100 - 1 HiPro	1.25	31.75	18.90	19.05	9.53	27.40	29.2	–	39.4	44.9	2.61	87 000	105 000	4.0		x	x		x	x
120 - 1 HiPro	1.50	38.1	25.22	22.23	11.10	35.30	34.4	–	49.8	56.1	3.92	125 000	145 000	5.5		x	x		x	x
140 - 1 HiPro	1.75	44.45	25.22	25.40	12.70	37.00	40.8	–	53.4	59.3	4.70	170 000	220 000	7.5		x	x		x	x
160 - 1 HiPro	2.00	50.8	31.55	28.58	14.27	45.00	47.8	–	63.6	68.9	6.42	223 000	260 000	10.2		x	x		x	x

* Also available as triplex on request
** Loose parts are produced in RexHiProAthletic™ version
*** Not compatible with straight sided plate roller chain



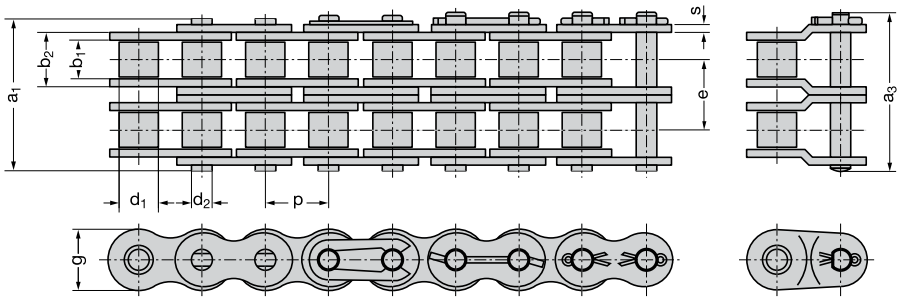
B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

American standard – RexHiPro Roller Chain ISO 606

Duplex roller chain

Chain No.*	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E**	L***	S**
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
60 - 2 HiPro	0.75	19.05	12.57	11.91	5.94	17.70	17.8	22.78	48.5	51.5	2.10	62 600	80 000	3.0	x	x	x	x	x	
80 - 2 HiPro	1.00	25.4	15.75	15.88	7.92	22.50	23.6	29.29	62.4	57.1	3.56	111 200	150 000	5.2	x	x	x	x	x	
100 - 2 HiPro	1.25	31.75	18.90	19.05	9.53	27.40	29.2	35.76	75.3	87.8	5.22	174 000	220 000	8.0		x	x		x	x
120 - 2 HiPro	1.50	38.1	25.22	22.23	11.10	35.30	34.4	45.44	95.3	101.6	7.84	250 000	290 000	11.0		x	x		x	x
140 - 2 HiPro	1.75	44.45	25.22	25.40	12.70	37.00	40.8	48.87	103.3	109.6	9.40	340 000	440 000	14.9		x	x		x	x
160 - 2 HiPro	2.00	50.8	31.55	28.58	14.27	45.00	47.8	58.55	122.1	130.1	12.84	446 000	490 000	20.2		x	x		x	x

* Also available as triplex on request
** Loose parts are produced in RexHiProAthletic version
*** Not compatible with straight sided plate roller chain



B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

RexHiProAthletic™ Roller Chain

Extreme Performance

Industries Served:

Food & Beverage
Agriculture
Wood
Material Handling

RexHiProAthletic Roller Chain is a combination of RexHiPro™ and RexAthletic™ chain types. It provides the excellent **corrosion resistance** of the RexHiPro and the **high wear resistance** of the RexAthletic.

Long-term corrosion resistance

Every single part of the RexHiProAthletic Roller Chain has a special corrosion-resistant coating.

High loading capability

Thanks to the improved protection against chain joint stiffness and the high fatigue resistance, the RexHiProAthletic Roller Chain has a high loading capability. The chain is ideal for heavy loading applications in rough environments.

Low maintenance

The chain requires low maintenance thanks to the high performance and the long-term lubrication. This makes the RexHiProAthletic Chain ideal for applications where maintenance and lubrication possibilities are restricted.

Features

- Outstanding tribological characteristics
- Excellent sliding properties
- Fatigue resistance and chain traction comparable with Rex High Performance chain
- Anti-corrosion coating for all chain parts.
- Improved protection against chain joint stiffness
- NSF H1 certification for the food industry
- Chain sizes with pitch from 12.7 mm to 50.8 mm available (special sizes on request)
- Dimensions in accordance with DIN, ANSI and ISO standards

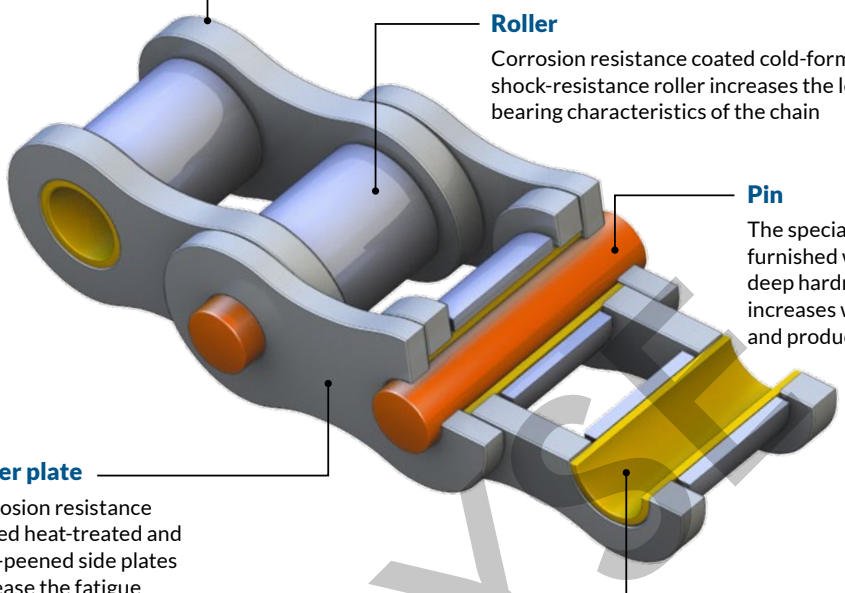
Advantages

- Reduced maintenance requirements and longer lubrication intervals
- Excellent corrosion resistance
- High wear resistance even with inadequate lubrication
- Long service life under tough loading conditions

Application

- Where maintenance and lubrication possibilities are restricted
- High loads under difficult conditions
- Wet and outdoor usage
- Food, beverage and packaging industries
- Amusement parks
- Agriculture and forestry machinery
- Enclosed systems

RexHiProAthletic™ Roller Chain



Inner plate
Corrosion resistance coated heat-treated and shot-peened side plates increase the fatigue strength of the chain

Roller
Corrosion resistance coated cold-formed shock-resistance roller increases the load bearing characteristics of the chain

Pin
The special coated pins are furnished with an optimally deep hardness layer that increases wear resistance and production uptime

Outer plate
Corrosion resistance coated heat-treated and shot-peened side plates increase the fatigue strength of the chain

Bush
Special coated bush with high interference press fits greatly increases fatigue strength and provides superior wear life and less downtime

Loading capacity

- High loading capacity

Wear resistance

- Low maintenance
- Extremely long service life
- Good emergency running properties

Eco-friendly

- Less relubrication necessary
- Free of chromium VI
- NSF H1 certification

Damp corrosion resistance

- Outstanding corrosion resistance
- Suitable for the food & beverage industry
- Ideal for outside applications

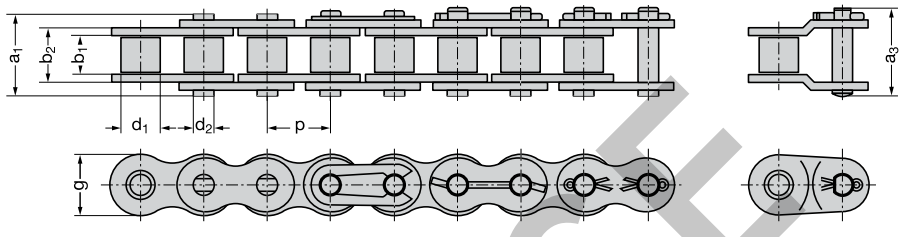
CE This product meets the requirements of Machine Directive 2006/42/EC

European standard – RexHiProAthletic™ Roller Chain ISO 606

Simplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E*	L	S*
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
08 B - 1 HiProAT	0.50	12.7	7.75	8.51	4.45	11.30	11.6	-	17.0	20.9	0.50	17 800	21 000	0.7		x	x	x	x	
10 B - 1 HiProAT	0.625	15.875	9.65	10.16	5.08	13.28	14.6	-	19.6	23.7	0.67	22 200	25 000	0.9	x	x	x	x	x	
12 B - 1 HiProAT	0.75	19.05	11.68	12.07	5.72	15.62	15.9	-	22.7	27.3	0.89	28 900	32 000	1.2	x	x	x	x	x	
16 B - 1 HiProAT	1.00	25.40	17.02	15.88	8.28	25.40	20.5	-	36.1	41.5	2.10	60 000	80 000	2.7	x	x	x	x	x	
20 B - 1 HiProAT	1.25	31.75	19.56	19.05	10.19	29.00	25.7	-	40.4	47.6	2.96	95 000	120 000	3.8	x	x	x		x	x
24 B - 1 HiProAT	1.50	38.10	25.40	25.40	14.63	37.90	33.0	-	53.8	60.6	5.54	160 000	211 000	7.0	x	x	x		x	x
28 B - 1 HiProAT	1.75	44.45	30.99	27.97	15.80	46.50	37.0	-	63.3	72.8	7.35	200 000	240 000	8.9		x	x		x	x
32 B - 1 HiProAT	2.00	50.80	30.99	29.21	17.81	45.50	41.2	-	65.1	73.6	8.10	250 000	315 000	9.9	x	x	x		x	x

* Loose parts are produced in RexHiProAthletic version



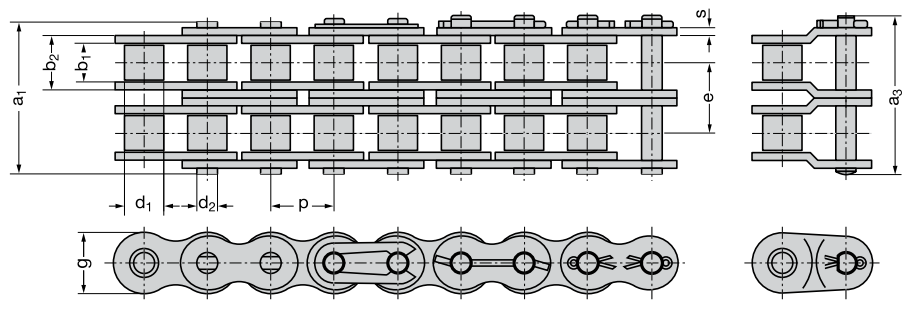
B inner link — A outer link — E connecting link with spring clip — S connecting link with cotter pin — L cranked link with cotter pin

European standard – RexHiProAthletic Roller Chain ISO 606

Duplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E*	L	S*
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
08 B - 2 HiProAT	0.50	12.7	7.75	8.51	4.45	11.30	11.6	13.92	30.6	34.9	1.01	31 100	43 000	1.4		x	x	x	x	
10 B - 2 HiProAT	0.625	15.875	9.65	10.16	5.08	13.28	14.6	16.59	35.5	40.3	1.35	44 500	50 000	1.8	x	x	x	x	x	
12 B - 2 HiProAT	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	41.7	46.8	1.79	57 800	64 000	2.3	x	x	x	x	x	
16 B - 2 HiProAT	1.00	25.4	17.02	15.88	8.28	25.40	20.5	31.88	67.4	73.4	4.21	106 000	140 000	5.3	x	x	x	x	x	
20 B - 2 HiProAT	1.25	31.75	19.56	19.05	10.19	29.00	25.7	36.45	76.9	83.6	5.91	170 000	230 000	7.5	x	x	x		x	x
24 B - 2 HiProAT	1.50	38.1	25.40	25.40	14.63	37.90	33.0	48.36	102.2	122.7	11.09	280 000	370 000	13.7	x	x	x		x	x
28 B - 2 HiProAT	1.75	44.45	30.99	27.97	15.80	46.50	37.0	59.56	122.8	132.7	14.69	360 000	480 000	17.8		x	x		x	x
32 B - 2 HiProAT	2.00	50.8	30.99	29.21	17.81	45.50	41.2	58.55	123.6	132.4	16.21	450 000	530 000	19.6	x	x	x		x	x

* Loose parts are produced in RexHiProAthletic version



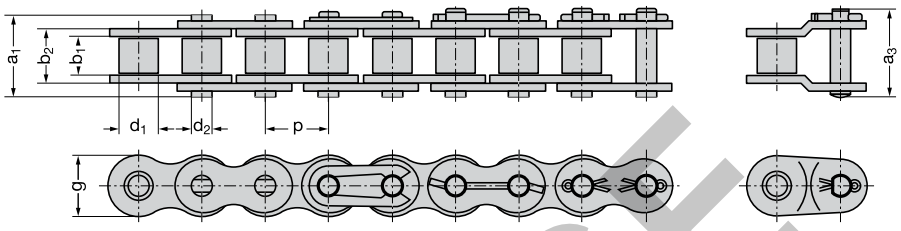
B inner link — A outer link — E connecting link with spring clip — S connecting link with cotter pin — L cranked link with cotter pin

American standard – RexHiProAthletic™ Roller Chain ISO 606

Simplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E*	L**	S*
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
60 - 1 HiProAT	0.75	19.05	12.57	11.91	5.94	17.70	17.8	–	25.7	28.6	1.05	31 300	40 000	1.5	x	x	x	x	x	
80 - 1 HiProAT	1.00	25.4	15.75	15.88	7.92	22.50	23.6	–	33.0	38.0	1.78	55 600	65 000	2.6	x	x	x	x	x	
100 - 1 HiProAT	1.25	31.75	18.90	19.05	9.53	27.40	29.2	–	39.4	44.9	2.61	87 000	105 000	4.0		x	x		x	x
120 - 1 HiProAT	1.50	38.1	25.22	22.23	11.10	35.30	34.4	–	49.8	56.1	3.92	125 000	145 000	5.5		x	x		x	x
140 - 1 HiProAT	1.75	44.45	25.22	25.40	12.70	37.00	40.8	–	53.4	59.3	4.70	170 000	220 000	7.5		x	x		x	x
160 - 1 HiProAT	2.00	50.8	31.55	28.58	14.27	45.00	47.8	–	63.6	68.9	6.42	223 000	260 000	10.2		x	x		x	x

* Loose parts are produced in RexHiProAthletic version
** Not compatible with straight sided plate roller chain



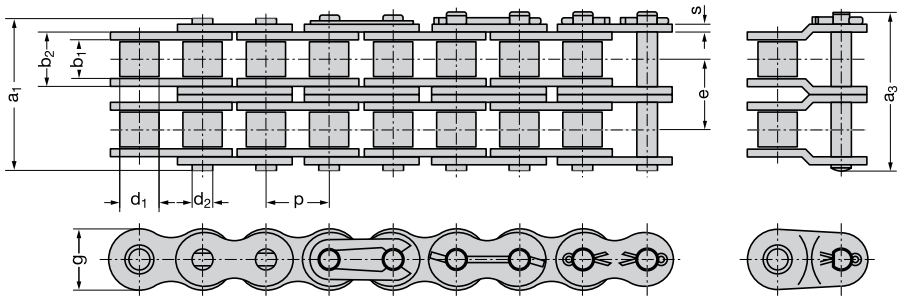
B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

American standard – RexHiProAthletic Roller Chain ISO 606

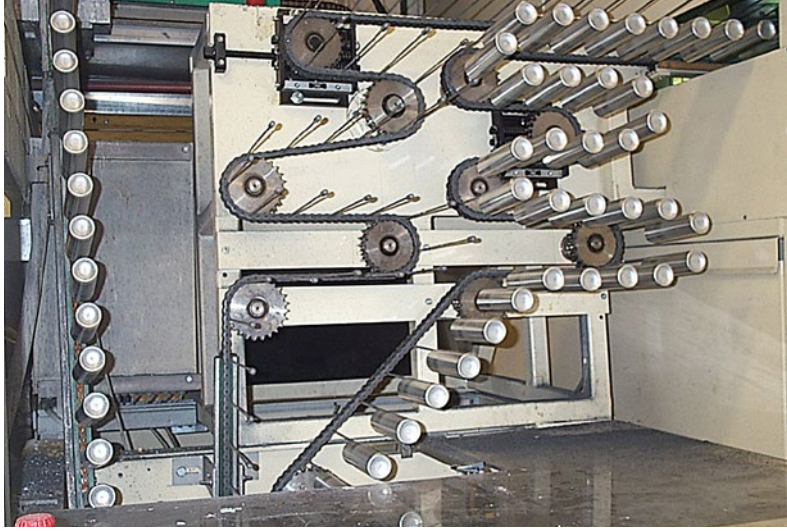
Duplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E*	L**	S*
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
60 - 2 HiProAT	0.75	19.05	12.57	11.91	5.94	17.70	17.8	22.78	48.5	51.5	2.10	62 600	80 000	3.0	x	x	x	x	x	
80 - 2 HiProAT	1.00	25.4	15.75	15.88	7.92	22.50	23.6	29.29	62.4	57.1	3.56	111 200	150 000	5.2	x	x	x	x	x	
100 - 2 HiProAT	1.25	31.75	18.90	19.05	9.53	27.40	29.2	35.76	75.3	87.8	5.22	174 000	220 000	8.0		x	x		x	x
120 - 2 HiProAT	1.50	38.1	25.22	22.23	11.10	35.30	34.4	45.44	95.3	101.6	7.84	250 000	290 000	11.0		x	x		x	x
140 - 2 HiProAT	1.75	44.45	25.22	25.40	12.70	37.00	40.8	48.87	103.3	109.6	9.40	340 000	440 000	14.9		x	x		x	x
160 - 2 HiProAT	2.00	50.8	31.55	28.58	14.27	45.00	47.8	58.55	122.1	130.1	12.84	446 000	490 000	20.2		x	x		x	x

* Loose parts are produced in RexHiProAthletic version
** Not compatible with straight sided plate roller chain



B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin



ReXtreme™ Roller Chain

Extreme Performance

ReXtreme Roller Chain is a **maintenance-free roller chain for special applications**. Certain treatments and synthetic high performance ex-works lubrication provide excellent sliding characteristics for maintenance-free operations.

Industries Served:

Automotive
Tube Transport
General Mechanical Engineering

Maintenance-free

Due to the high performance and long-term lubrication the need for maintenance and relubrication is not necessary anymore. This is ideal in case the maintenance and lubrication possibilities are limited. A special coating in the chain joint offers excellent sliding characteristics.

Long wear life

Even with minimum lubrication and especially for conveyor applications the ReXtreme Roller Chain can be used maintenance-free. The chain contains improved protection against stiff joints and links.

Outstanding corrosion resistance

Another advantage of this chain is the outstanding corrosion resistance. The chain has been coated with anti-corrosion substance which makes the resistance intact for over 120 hours.

Special lubrication

The special ReXtreme Lubrication is approved for conveyor and oven chains in painting areas as well as for all other applications in the car body paint shop.

Features

- Outstanding tribological characteristics
- Excellent sliding properties
- High fatigue strength and chain traction comparable with Rex™ High Performance Chain
- Improved protection against chain joint stiffness
- Chain sizes with pitch from 12.7 millimeter (mm) to 25.4 mm available (special sizes on request)
- Corrosion resistance over 120 hours (salt spray test conforms to DIN EN ISO 9227)
- No process-related hydrogen embrittlement
- Free of chromium VI: conform to guidelines 2011/65/EU, ROHS and Directive 2000/53/EC
- Dimensions in accordance with DIN, ANSI and ISO standards

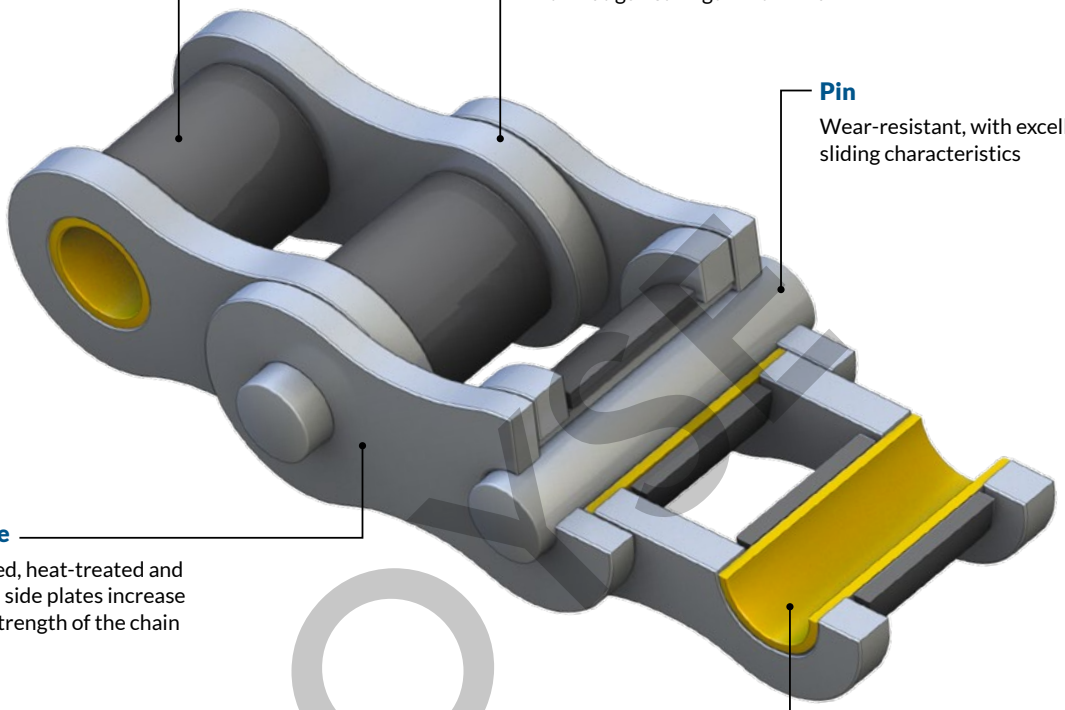
Advantages

- Extremely long service life, even without relubrication
- Due to the optimal ex-works lubrication, no contamination of conveyed goods and surrounding area occurs
- A good price-performance ratio
- High energy efficiency

Lubrication

- High performance and high temperature synthetic lubricant
- Temperature range from -5°C to +250°C
- Free of silicone
- Especially developed for automotive painting application
- Paint compatible lubrication

ReXtreme™ Roller Chain



Roller

Cold-formed, coated shock-resistant rollers protect the chain joint against shock loads and provides good sliding characteristics

Inner plate

Special coated, heat-treated and shot-peened side plates increase the fatigue strength of the chain

Pin

Wear-resistant, with excellent sliding characteristics

Outer plate

Special coated, heat-treated and shot-peened side plates increase the fatigue strength of the chain

Bush

Extended lubrication intervals as a result of cold-formed, special treated bushings

Loading capacity

- High loading capacity under high temperature

Wear resistance

- Maintenance-free
- Extremely long service life
- Ideal where maintenance and lubrication possibilities are restricted

Eco-friendly

- No relubrication necessary
- Free of chromium VI

CE This product meets the requirements of Machine Directive 2006/42/EC

Recommended chain tractive power for appropriate speeds*

Chain No.	Temperature range from -5°C to +120°C admissible tractive power for			Temperature range +120°C to +250°C admissible tractive power for		
	N up to 0,25 m/s	N up to 0,5 m/s	N up to 1,0 m/s	N up to 0,25 m/s	N up to 0,5 m/s	N up to 1,0 m/s
08 B - 1 XT	850	600	450	500	400	300
10 B - 1 XT	1200	850	600	700	550	400
12 B - 1 XT	1500	1100	800	800	700	500
16 B - 1 XT	3500	2700	1900	2100	1600	1100
08 B - 2 XT	1400	1000	700	800	700	500
10 B - 2 XT	2100	1400	1000	1200	900	700
12 B - 2 XT	2600	1900	1400	1500	1200	800
16 B - 2 XT	6100	4700	3300	3600	2500	1900

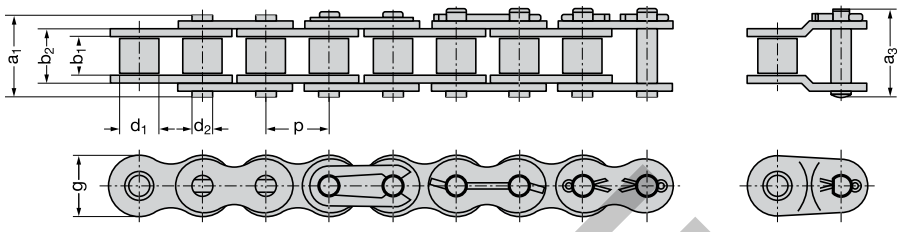
* Valid for minimum sprocket center distance of 1500 mm and based on 21-tooth sprockets

European standard – ReXtreme™ Roller Chain ISO 606

Simplex roller chain

Chain No.*	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E**	L	S**
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
08 B - 1 XT	0.50	12.7	7.75	8.51	4.45	11.30	11.6	-	16.7	20.9	0.50	17 800	21 000	0.7		x	x	x	x	
10 B - 1 XT	0.625	15.875	9.65	10.16	5.08	13.28	14.6	-	18.9	23.7	0.67	22 200	25 000	0.9	x	x	x	x	x	
12 B - 1 XT	0.75	19.05	11.68	12.07	5.72	15.62	15.9	-	22.3	27.3	0.89	28 900	32 000	1.2	x	x	x	x	x	
16 B - 1 XT	1.00	25.40	17.02	15.88	8.28	25.40	20.5	-	35.4	41.5	2.10	60 000	80 000	2.7	x	x	x	x	x	

* Larger sizes available on request
** Loose parts are produced in RexHiProAthletic™ version



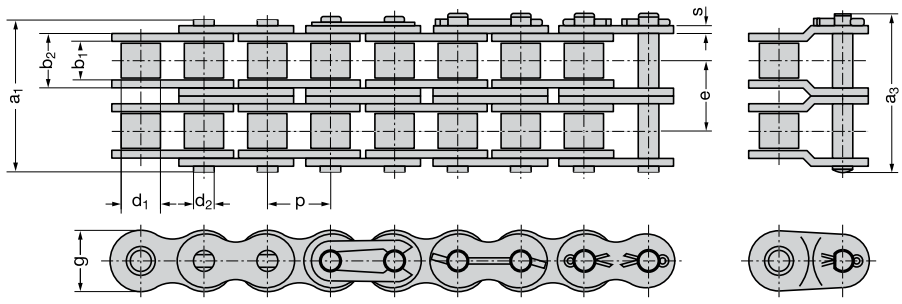
B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

European standard – ReXtreme Roller Chain ISO 606

Duplex roller chain

Chain No.*	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	E**	L	S**
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m						
08 B - 2 XT	0.50	12.7	7.75	8.51	4.45	11.30	11.6	13.92	30.6	34.9	1.01	31 100	43 000	1.4		x	x	x	x	
10 B - 2 XT	0.625	15.875	9.65	10.16	5.08	13.28	14.6	16.59	35.5	40.3	1.35	44 500	50 000	1.8	x	x	x	x	x	
12 B - 2 XT	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	41.7	46.8	1.79	57 800	64 000	2.3	x	x	x	x	x	
16 B - 2 XT	1.00	25.4	17.02	15.88	8.28	25.40	20.5	31.88	67.4	73.4	4.21	106 000	140 000	5.3	x	x	x	x	x	

* Larger sizes available on request
** Loose parts are produced in RexHiProAthletic version



B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

RexCarbon™ Roller Chain

Extreme Performance

RexCarbon **maintenance-free** Roller Chain contains RexCarbon sliding sleeves that require no relubrication. This chain produces less noise compared to sinterbush chain.

Industries Served:

Automotive
Food & Beverage
Cosmetics / Pharmacy
Packaging Industry

Maintenance-free

The high-tech thermoplastic bushes in the RexCarbon Roller Chain take over the function of lubrication. Thanks to the low friction in the chain link, no maintenance is needed. You won't experience any downtime in your production cycle.

High wear resistance

The chain is very robust, it contains case hardened pins and the sliding surface of the chain joint itself has wear-minimizing characteristics. Together with the low friction in the chain link, this results in a high wear resistance of the chain.

Improved safety

The RexCarbon Roller Chain makes it possible to create an extra safe and clean working environment since there is no lubrication needed.

Environmentally friendly

The chain is environmentally friendly since there is no relubrication needed. It's completely free of silicone and Teflon and differentiates itself by its low-noise running.

Features

- Outstanding tribological characteristics
- High wear resistance
- High-tech carbon sliding sleeves
- Extremely robust
- NSF H1 certification
- Low-friction chain bearing
- Relubrication is not required altough it reduces friction in the application

Advantages

- Extremely long service life, even without relubrication
- No machine downtime for relubrication
- Low-noise and eco-friendly
- High energy efficiency

Lubrication

- With food-grade ex-works lubrication
- Temperature range from -40°C to +120°C
- For temperatures from +120°C to +175°C please consult Regal Rexnord™ Application Engineering
- A paint-compatible lubrication is available upon request

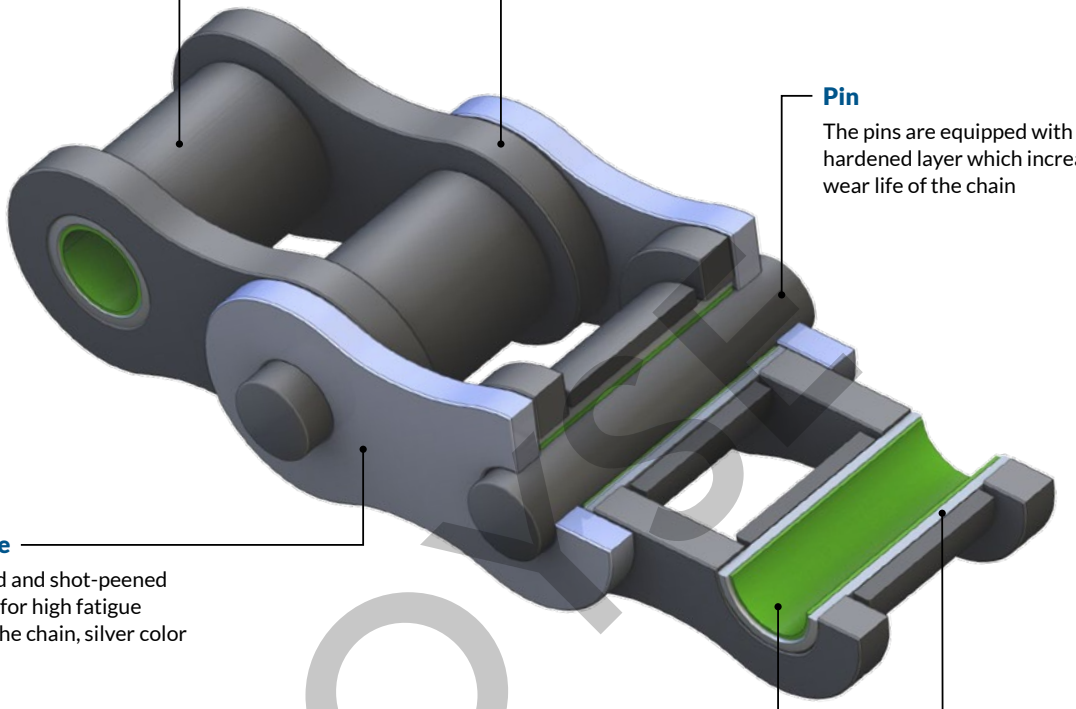
RexCarbon™ Roller Chain

REXNORD GREEN LINE committed to the environment

Roller
Cold-formed, shock-resistant rollers protect the chain joint against shock loads

Inner plate
Heat-treated and shot-peened inner plates for high fatigue strength of the chain

Pin
The pins are equipped with a hardened layer which increases wear life of the chain



Outer plate
Heat-treated and shot-peened outer plates for high fatigue strength of the chain, silver color

RexCarbon sliding sleeves
High-tech sliding sleeves take over the lubrication film function eliminating the need for relubrication

Bush
Cold-formed, heat-treated bushes for superior wear life

Loading capacity
- Ideal for critical conditions

Wear resistance
- Maintenance-free
- Extremely long service life
- Maximum wear resistance properties

Eco-friendly
- No relubrication necessary
- Low-noise
- Ex-works lubrication with NSF H1 certification

CE This product meets the requirements of Machine Directive 2006/42/EC

Recommended chain tractive power for appropriate speeds

Chain No.	Temperature range from -40°C to +80°C admissible tractive power for				Temperature range +80°C to +120°C * admissible tractive power for	
	N up to 0,5 m/s	N up to 1,0 m/s	N up to 1,5 m/s	N up to 2,0 m/s	N up to 0,5 m/s	N up to 1,0 m/s
08 B - 1 CB	850	750	650	500	680	600
10 B - 1 GL CB	1100	1000	900	670	880	800
12 B - 1 GL CB	1500	1300	1100	890	1200	1040
16 B - 1 GL CB	3500	3100	2700	2100	2800	2480
08 B - 2 CB	1500	1300	1100	900	1200	1000
10 B - 2 GL CB	1900	1800	1600	1200	1500	1400
12 B - 2 GL CB	2600	2300	1900	1600	2100	1800
16 B - 2 GL CB	6100	5400	4700	3700	4900	4300

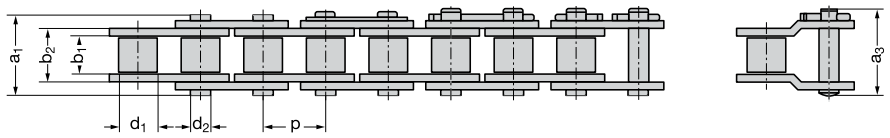
Based on 21-tooth sprockets
* For temperatures above +120°C please consult Regal Rexnord™ Application Engineering (available up to +175°C)

European standard – RexCarbon™ Roller Chain ISO 606*

Simplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Average tensile strength	Weight	Straight sided plate	Loose parts		
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_B	q				
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m		A	B	E
08 B - 1 CB	0.50	12.7	7.75	8.51	4.45	11.30	11.6	–	16.7	20.0	0.50	17 000	0.70		x	x	x
10 B - 1 GL CB	0.625	15.875	9.65	10.16	5.08	13.28	13.8	–	18.9	23.7	0.67	20 000	0.90	x	x	x	x
12 B - 1 GL CB	0.75	19.05	11.68	12.07	5.72	15.62	15.9	–	22.3	27.3	0.89	31 500	1.15	x	x	x	x
16 B - 1 GL CB	1.00	25.4	17.02	15.88	8.28	25.40	20.5	–	35.4	41.5	2.10	64 500	2.60	x	x	x	x

* Deviated ultimate tensile strength and chain length tolerance (up to +0.3%)



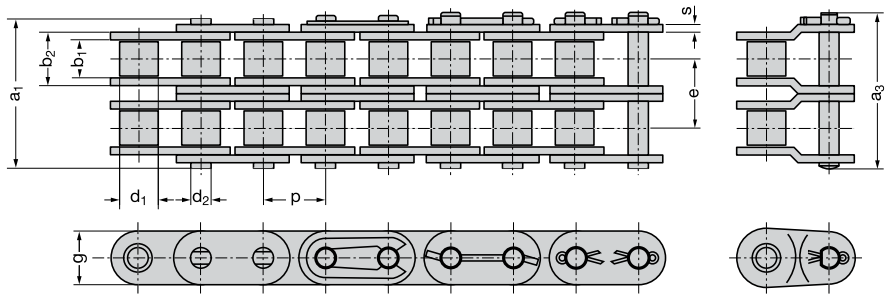
B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

European standard – RexCarbon Roller Chain ISO 606*

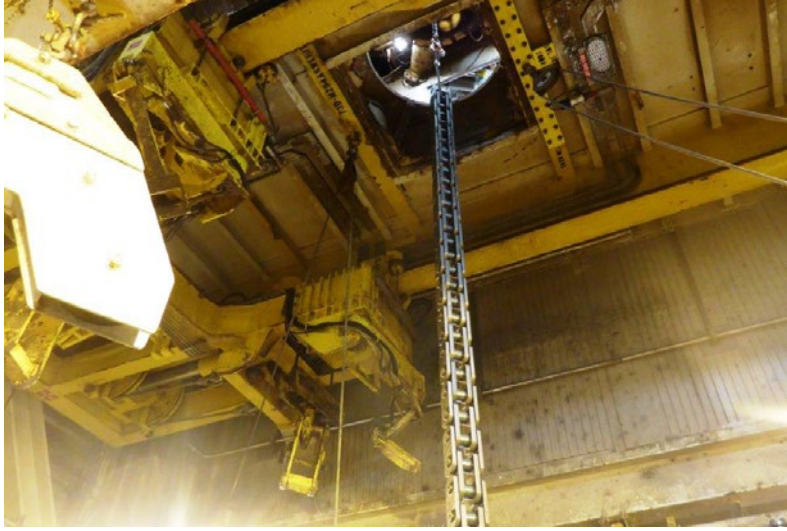
Duplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Average tensile strength	Weight	Straight sided plate	Loose parts		
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_B	q				
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m		A	B	E
08 B - 1 CB	0.50	12.7	7.75	8.51	4.45	11.30	11.6	13.92	30.6	34.9	1.01	31 500	1.4		x	x	x
10 B - 2 GL CB	0.625	15.875	9.65	10.16	5.08	13.28	13.8	16.59	35.5	40.3	1.35	40 000	1.8	x	x	x	x
12 B - 2 GL CB	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	41.7	46.8	1.79	63 000	2.3	x	x	x	x
16 B - 2 GL CB	1.00	25.4	17.02	15.88	8.28	25.40	20.5	31.88	67.4	73.4	4.21	118500	5.3	x	x	x	x

* Deviated ultimate tensile strength and length intolerance (up to +0.3%)



B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin



RexProX™ Roller Chain

Extreme Performance

RexProX **load-resistant** Roller Chain provides high static and dynamic loading capabilities and reliabilities. Creates long wear life, high breaking load and fatigue resistance.

Industries Served:

Mining & Metals
Cement & Aggregate
Forestry
Agriculture
Logistics & Transportation
Construction

Environmentally friendly

The chain contains no heavy metals, no Teflon or silicone. This results in an environmentally friendly product that is DIN EN ISO 14001 certified.

Extreme high fatigue resistance

The RexProX Roller Chain is very robust, even in difficult conditions. It has an extremely high impact strength due to calibrated plates, reinforced chain links and the seamless rollers. Through RexPro Lubrication the chain is protected. All these factors result in an extreme high fatigue resistance.

High loading capacity

In situations where heavy drives and lifting applications are needed, this chain is ideal. It has a high loading capacity in combination with maximum operational safety.

Features

- Enlarged bearing area
- Improved tensile strength
- Outstanding fatigue resistance
- Compatible with European types

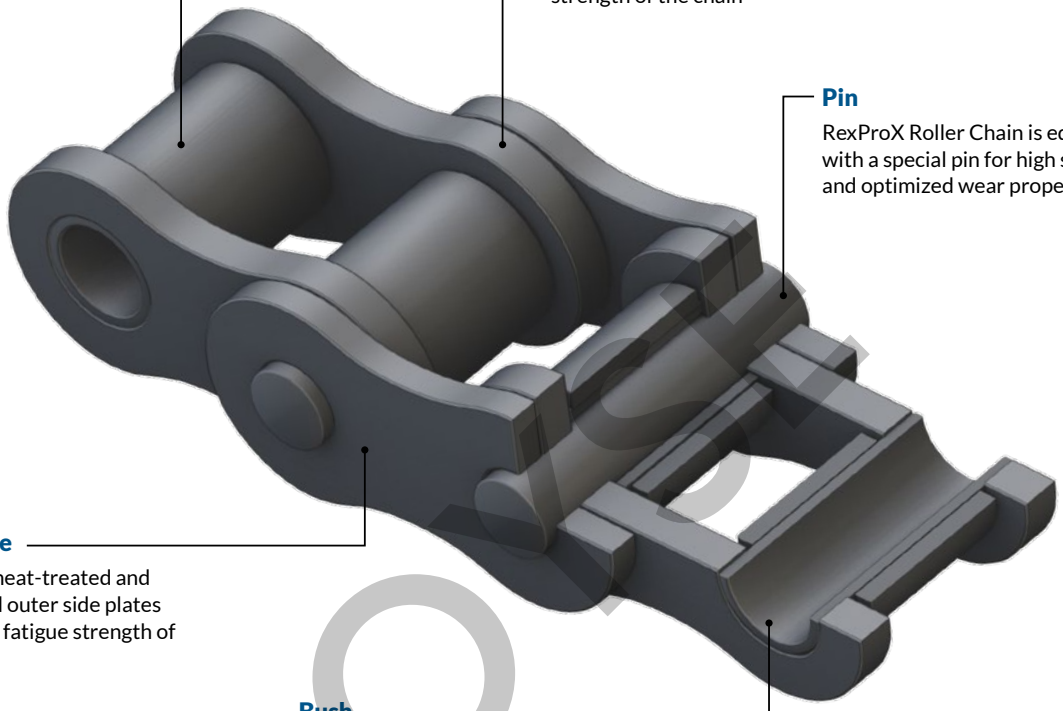
Advantages

- For high-performance power transmission
- Very high impact strength
- Extremely robust, even under difficult conditions

Lubrication

- Excellent protection through RexPro Lubrication
- Operating temperature range: -30°C to +130°C (can be extended -40°C to +250°C)
- Contains no heavy metals, Teflon- and silicone-free

RexProX™ Roller Chain



Roller
Cold-formed shock-resistant rollers protect the chain joint against shock loads

Inner plate
Reinforced heat-treated and shot-peened inner side plates increase the fatigue strength of the chain

Pin
RexProX Roller Chain is equipped with a special pin for high shock loads and optimized wear properties

Outer plate
Reinforced heat-treated and shot-peened outer side plates increase the fatigue strength of the chain

Bush
Cold-formed, heat-treated bushes for superior wear life

Loading capacity

- For the heavy-duty drives and lifting purposes
- Extremely high loading capacity
- Highest tensile strength
- High impact resistance

Wear resistance

- High protection through RexPro™ Lubrication
- Extremely robust
- Long service life
- High operational reliability
- Excellent resistance to wear due to heat treatment and enlarged bearing area of parts subject to wear.

Eco-friendly

- Use of RexPro Lubrication, contains no heavy metals and is Silicone- and Teflon-free
- Environment management system conforms to DIN EN ISO 14001

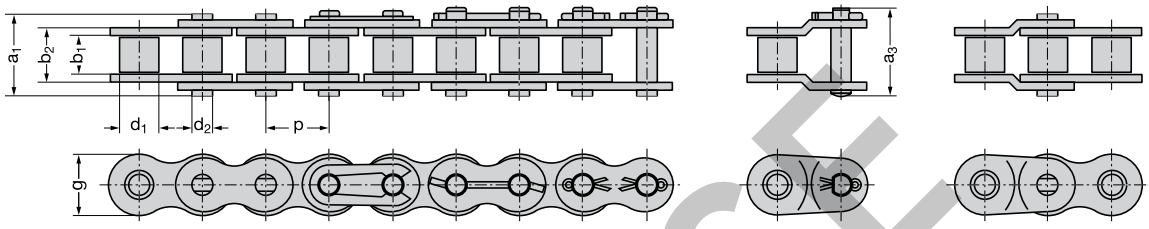
CE This product meets the requirements of Machine Directive 2006/42/EC

RexProX™ Roller Chain for heavy-duty drives and lifting purposes

Simplex roller chain

Chain No. *	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Minimum tensile strength	Average tensile strength	Weight	Straight sided plate	Loose parts					
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	-	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	C	E	L	S
	Inch	mm	mm	mm	mm	mm	mm	-	mm	mm	cm²	N	N	kg/m							
Re 480	0.75	19.05	11.68	12.07	6.10	17.23	16.8	-	25.0	29.5	1.05	40 000	50 000	1.5		x	x		x	x	x
KRV 12	1.00	25.4	12.70	19.05	10.19	25.70	24.0	-	40.1	45.5	2.62	117 500	140 000	4.4		x	x				x
R 25 - 1 SH	1.00	25.4	17.02	15.88	8.28	25.40	24.0	-	35.4	38.5	2.10	85 000	100 000	3.2		x	x	x		x	x
R 31 - 1 SH	1.25	31.75	19.56	19.05	10.19	32.00	29.2	-	45.8	49.6	3.26	150 000	170 000	5.3		x	x				x
R 38 - 1 SH	1.50	38.10	25.40	25.40	14.63	40.00	36.2	-	56.7	63.3	5.85	235 000	250 000	8.7		x	x				x
R 44 - 1 SH	1.75	44.45	30.99	27.97	15.90	46.50	40.8	-	66.3	73.7	7.39	270 000	300 000	10.4		x	x				x
R 50 - 1 SH	2.00	50.8	30.99	29.21	17.81	45.50	47.8	-	66.5	75.0	8.10	385 000	415 000	11.5		x	x				x

* Also available in larger sizes and as triplex on request



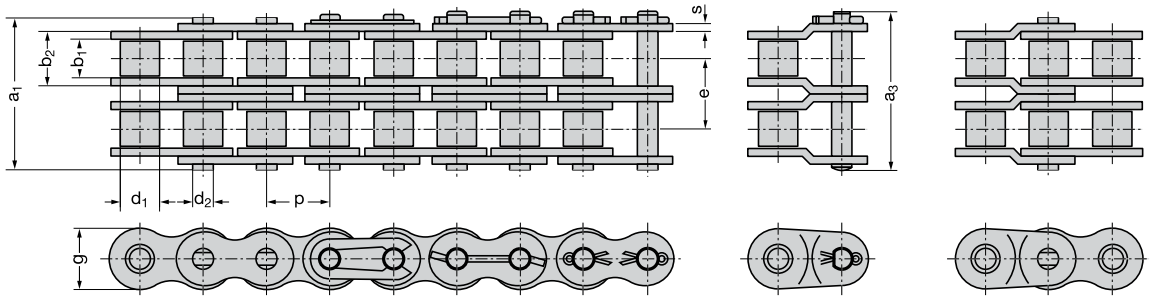
B inner link — A outer link — E connecting link with spring clip — S connecting link with cotter pin — L cranked link with cotter pin — C double cranked link

RexProX Roller Chain for heavy-duty drives and lifting purposes

Duplex roller chain

Chain No. *	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Minimum tensile trength	Average tensile strength	Weight	Straight sided plate	Loose parts					
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_U	F_B	q		A	B	C	E	L	S
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	N	kg/m							
R 25 - 2 SH	1.00	25.40	17.02	15.88	8.28	25.40	24.0	31.88	67.4	70.7	4.21	170 000	190 000	6.4		x	x	x		x	x
R 31 - 2 SH	1.25	31.75	19.56	19.05	10.19	32.00	29.2	42.00	87.8	91.6	6.52	260 000	300 000	10.4		x	x				x
R 38 - 2 SH	1.50	38.10	25.40	25.40	14.63	40.00	36.2	52.00	108.7	115.3	11.70	450 000	500 000	17.0		x	x				x
R 44 - 2 SH	1.75	44.45	30.99	27.97	15.90	46.50	40.8	61.20	127.5	134.9	14.79	465 000	525 000	20.5		x	x				x
R 50 - 2 SH	2.00	50.80	30.99	29.21	17.81	45.50	47.8	60.20	126.7	135.2	16.21	650 000	725 000	22.5		x	x				x

* Also available in larger sizes and as triplex on request



B inner link — A outer link — E connecting link with spring clip — S connecting link with cotter pin — L cranked link with cotter pin — C double cranked link

RexPlus™ Roller Chain

Extreme Performance

RexPlus Roller Chain provides outstanding **wear resistance** and excellent **acid and corrosion protection**.

Industries Served:

Food & Beverage
Pulp & Paper
Material Handling

Corrosion- and acid-resistant

The RexPlus Roller Chain consists of extremely corrosion- and acid-resistant materials. This makes it possible to use the chain in water, steam and aggressive liquids without damage. At the same time, due to the heat-treatment of the pins, the wear life is significantly longer than other corrosion-resistant chains. A stability list is available upon request.

Maximum hygiene

Where strict hygienic conditions or water is a factor and corrosion-free material is needed, RexPlus Roller Chain offers superior performance. Direct food contact is permitted. This makes it the best choice for the Food & Beverage industry.

Long service life

A long service life is granted due to the special steel used in the chain. Together with the heat-treated pin, this steel ensures a high wear resistance and long wear lifetime.

Features

- Made from materials with excellent corrosion- and acid-resistant properties
- High loading capacity at speeds up to approximately 1.5 meter / second
- Seamless bushes
- NSF H1 certification
- Inner and outer plates made of RexPlus special steel
- High mechanical stability
- Perfect to use in extreme conditions

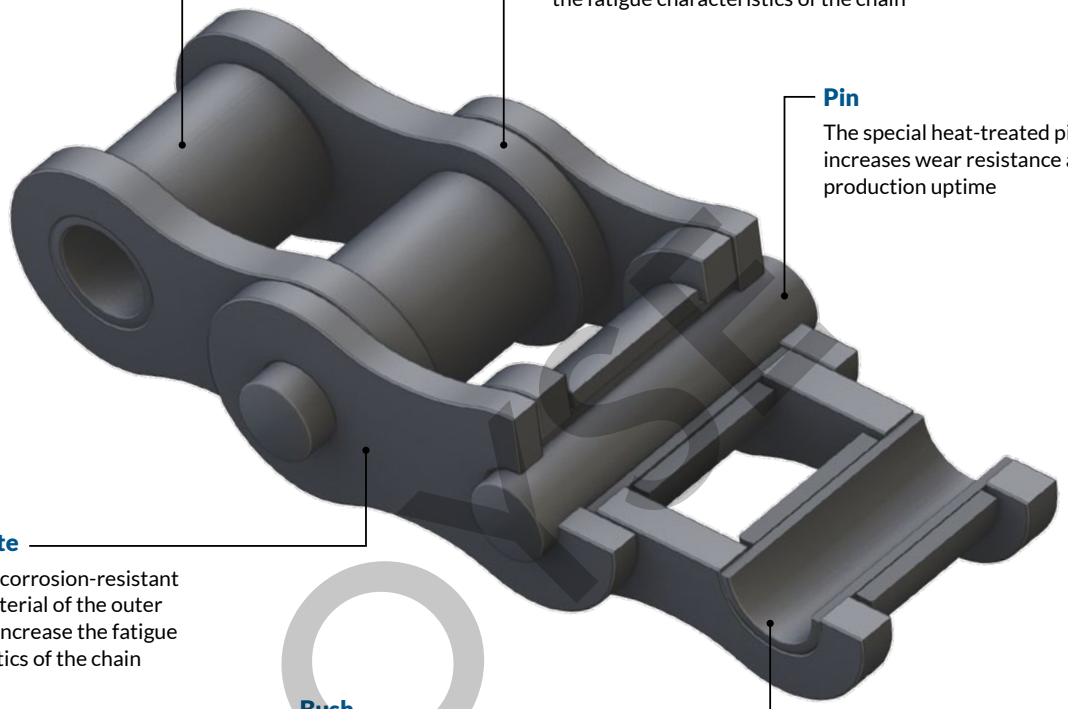
Advantages

- High wear resistance
- Hygienic
- Resistant to water and steam
- Direct contact with foodstuffs permitted
- Long service life

Lubrication

- With food-grade lubricant
- Temperature range: -40°C to +120°C (extension from +120°C to +400°C possible)
- Also available without ex-works lubrication

RexPlus™ Roller Chain



Roller

Corrosion-resistant, cold-formed rollers protect the chain joint against shock loads

Inner plate

The special corrosion-resistant RexPlus material of the inner side plates increase the fatigue characteristics of the chain

Pin

The special heat-treated pin increases wear resistance and production uptime

Outer plate

The special corrosion-resistant RexPlus material of the outer side plates increase the fatigue characteristics of the chain

Bush

Seamless cold-formed bushes provide superior wear life and less downtime

Wear resistance

- Long service life
- Highly reliable

Eco-friendly

- NSF H1 certification

Damp corrosion resistance

- Water and steam
- Fulfills hygiene requirements

Acid corrosion resistance

- For extreme conditions
- Excellent resistance to acids and aggressive liquids

CE This product meets the requirements of Machine Directive 2006/42/EC

Recommended chain tractive power for appropriate speeds

Chain No.	Temperature range - 40°C to + 200°C admissible tractive power for				Temperature range + 200°C to + 400°C admissible tractive power for	
	N up to 0,5 m/s	N up to 1,0 m/s	N up to 1,5 m/s	N up to 2,0 m/s	N up to 0,5 m/s	N up to 1,0 m/s
08 B - 1 SS	850	750	650	500	530	470
10 B - 1 SS	1100	1000	900	670	690	630
12 B - 1 SS	1500	1300	1100	890	940	810
16 B - 1 SS	3500	3100	2700	2100	2200	1900
08 B - 2 SS	1500	1300	1100	900	900	800
10 B - 2 SS	1900	1800	1600	1200	1200	1100
12 B - 2 SS	2600	2300	1900	1600	1600	1400
16 B - 2 SS	6100	5400	4700	3700	3800	3400
08 B - 3 SS	2100	1900	1600	1300	1300	1200
10 B - 3 SS	2800	2500	2300	1700	1800	1600
12 B - 3 SS	3800	3300	2800	2200	2400	2100
16 B - 3 SS	8800	7800	6800	5300	5500	4900

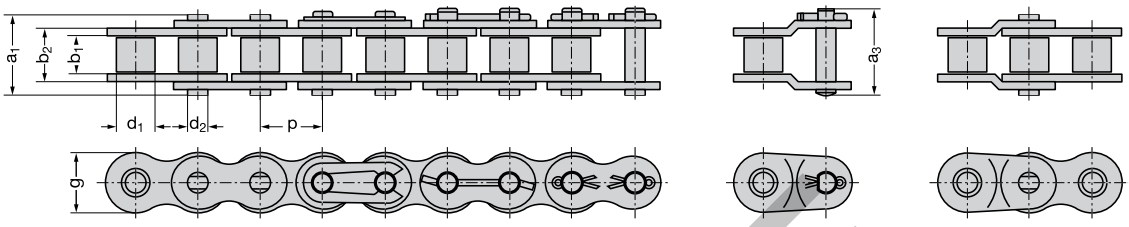
Based on 21-tooth sprockets

European standard – RexPlus™ Roller Chain made of stainless steel

Simplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Average tensile strength	Weight	Possible with straight sided plates	Loose parts					
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_B	q		A	B	C*	E	L*	S
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m							
08 B - 1 SS	0.50	12.7	7.75	8.51	4.45	11.30	11.6	–	16.7	19.0	0.50	12 000	0.7		x	x		x		
10 B - 1 SS	0.625	15.875	9.65	10.16	5.08	13.28	14.6	–	18.9	22.0	0.67	15 500	0.9	x	x	x		x		
12 B - 1 SS	0.75	19.05	11.68	12.07	5.72	15.62	15.9	–	22.3	25.1	0.89	17 500	1.15	x	x	x		x		x
16 B - 1 SS	1.00	25.4	17.02	15.88	8.28	25.40	20.8	–	35.4	40.8	2.10	44 000	2.6	x	x	x	x	x	x	

* Cranked links only available in standard approved austenitic stainless steel with reduced tensile strength.



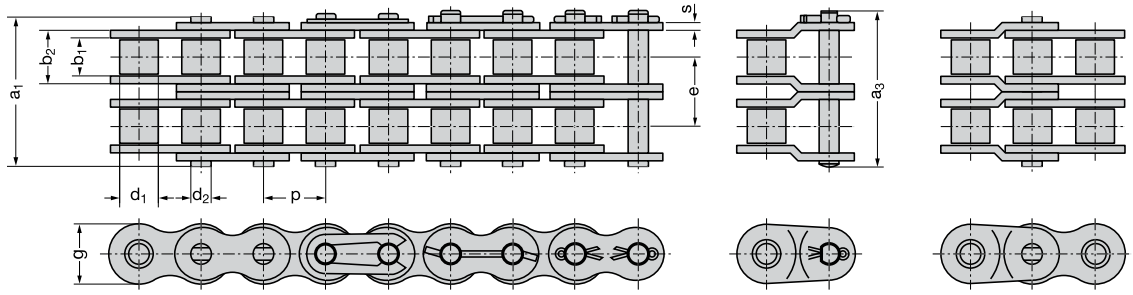
B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin | C double cranked link

European standard – RexPlus Roller Chain made of stainless steel

Duplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Average tensile strength	Weight	Possible with straight sided plates	Loose parts				
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_B	q		A	B	C*	E	L*
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m						
08 B - 2 SS	0.50	12.7	7.75	8.51	4.45	11.30	11.6	13.92	31.0	33.0	1.01	22 200	1.4		x	x		x	
10 B - 2 SS	0.625	15.875	9.65	10.16	5.08	13.28	14.6	16.59	35.5	38.6	1.35	31 000	1.8	x	x	x		x	
12 B - 2 SS	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	41.7	44.4	1.79	35 000	2.3	x	x	x		x	
16 B - 2 SS	1.00	25.4	17.02	15.88	8.28	25.40	20.8	31.88	67.4	72.8	4.21	81 000	5.3	x	x	x	x	x	x

* Cranked links only available in standard approved austenitic stainless steel with reduced tensile strength.

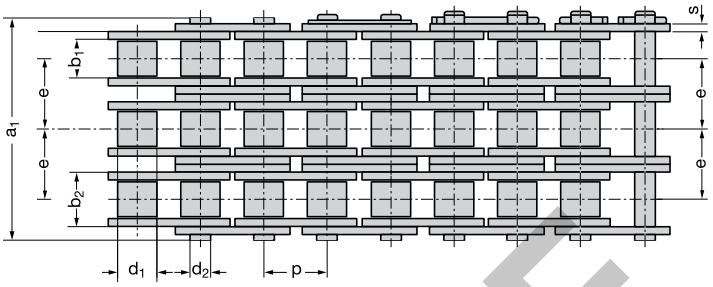


B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin | C double cranked link

European standard – RexPlus™ Roller Chain made of stainless steel

Triplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Average tensile strength	Weight	Possible with straight sided plates	Loose parts		
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_B	q		A	B	E
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m				
08 B - 3 SS	0.50	12.7	7.75	8.51	4.45	11.30	11.6	13.92	44.6	47.2	1.51	32 400	2.1		x	x	x
10 B - 3 SS	0.625	15.875	9.65	10.16	5.08	13.28	14.6	16.59	52.2	55.6	2.02	46 500	2.6	x	x	x	x
12 B - 3 SS	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	61.3	65.2	2.68	52 500	3.4	x	x	x	x
16 B - 3 SS	1.00	25.4	17.02	15.88	8.28	25.40	20.5	31.88	9.3	107.2	6.31	119 000	7.8	x	x	x	x

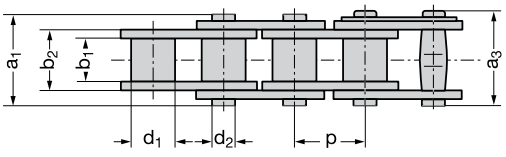


B inner link — A outer link — E connecting link with spring clip

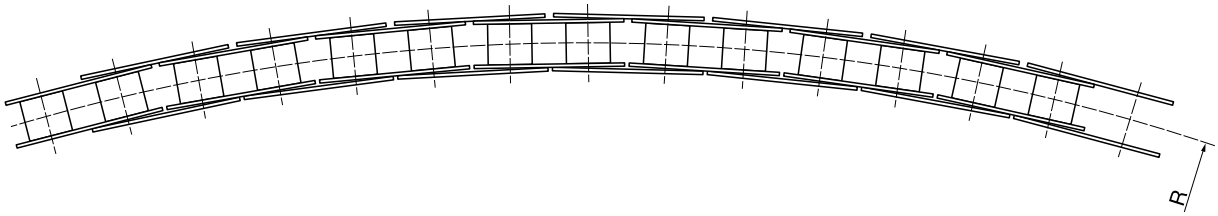
Side bow roller chain – RexPlus Roller Chain made of stainless steel

Simplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Pin length	Radius	Minimum tensile strength	Weight	Loose parts		
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	a_1 max.	R min.	F_B	q			
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	N	kg/m	A	B	E
843 SS	0.50	12.7	7.80	7.92	3.96	11.0	11.6	17.9	1000	11 000	0.7	x	x	
63 SS	0.75	19.05	12.80	11.91	5.08	17.6	16.8	29.1	356	14 000	1.4			



B inner link — A outer link — E connecting link with spring clip



RexPlusCarbon™ Roller Chain

Extreme Performance

RexPlusCarbon **maintenance-free** Roller Chain contains excellent **acid- and corrosion-resistant** thermoplastic sliding sleeves, that require no relubrication. This chain features an extreme long wear life and high wear resistance.

Industries Served:

Food & Beverage
Automotive
Material Handling

Maintenance-free

The high-tech thermoplastic bushes in the RexPlusCarbon Roller Chain take over the function of lubrication. Thanks to the low friction in the chain link, no maintenance is needed. You won't experience any downtime in your production cycle.

Maximum hygiene

Where strict hygienic conditions or water is a factor and corrosion-free material is needed, RexPlus™ Roller Chain offers superior performance. Direct food contact is permitted. This makes it the best choice for the Food & Beverage industry.

Corrosion- and acid-resistant

The RexPlus Roller Chain consists of extremely corrosion- and acid-resistant materials. This makes it possible to use the chain in water, steam and aggressive liquids without damage. At the same time, due to the heat-treatment of the pins, the wear life is significantly longer than other corrosion-resistant chains. A stability list is available upon request.

Environmentally friendly

No lubrication needed resulting in the most environmentally friendly choice for production. In addition, Rex Plus is completely free of silicone and Teflon, and is low noise, highly energy efficient and NSF H1 certified, making it the maximum environmentally friendly option for your process.

Features

- Long lifetime
- Corrosion- and acid-resistant
- Optimized wear properties
- NSF H1 certification
- High-tech RexCarbon sliding sleeves
- Inner and outer plates made of RexPlus special steel

Advantages

- Reduced downtime, no relubrication required
- No contamination of conveyed goods and surroundings, as no relubrication is needed
- Easy cleaning
- Hygienic
- Low-noise and environmentally friendly
- Energy-efficient

Lubrication

- Food-grade lubricant
- Temperature range from -40°C to +120°C
- Special versions suitable for temperatures up to +175°C (Please contact Regal Rexnord Application Engineering)

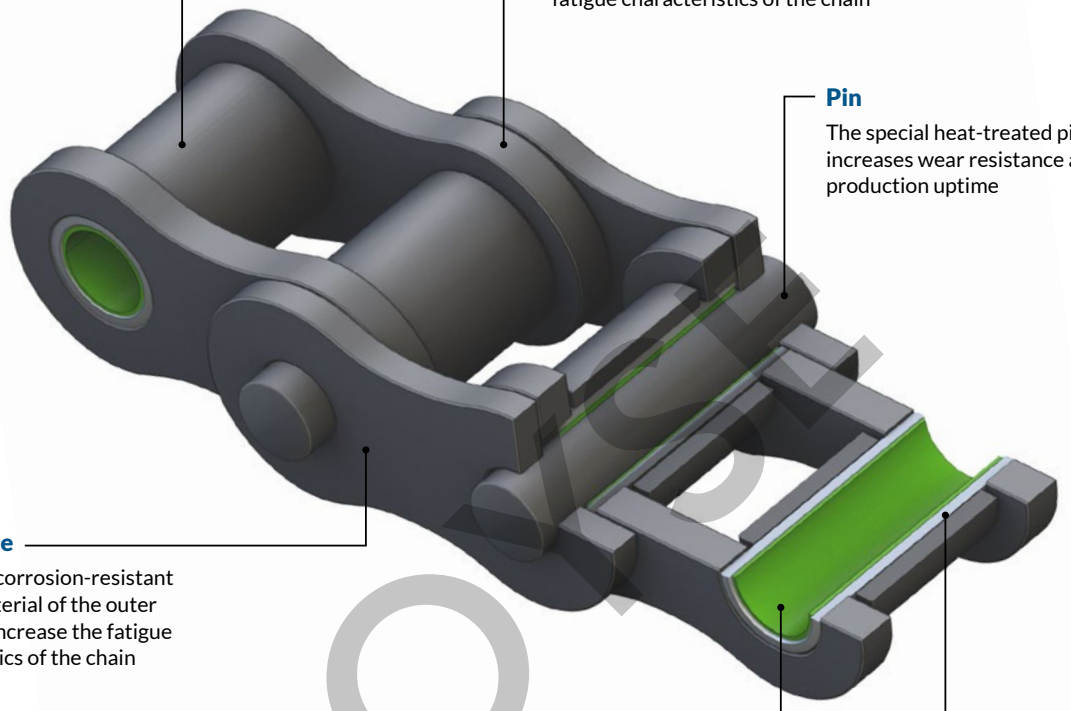
RexPlusCarbon™ Roller Chain

REXNORD GREEN LINE committed to the environment

Roller
Corrosion-resistant, cold-formed rollers protect the chain joint against shock loads

Inner plate
The special corrosion-resistant RexPlus™ material of the inner side plates increase the fatigue characteristics of the chain

Pin
The special heat-treated pin increases wear resistance and production uptime



Outer plate
The special corrosion-resistant RexPlus material of the outer side plates increase the fatigue characteristics of the chain

RexCarbon sliding sleeves
High-tech sliding sleeves take over the lubrication film function eliminating the need for relubrication

Bush
Seamless cold-formed bushes provide superior wear life and less downtime

Wear resistance

- Maintenance-free
- Continuous high loading capacity

Damp corrosion resistance

- Multifunctional but specifically suitable for critical applications
- Hygienic
- Excellent resistance to corrosion and acids

Eco-friendly

- NSF H1 certification
- No relubrication required

CE This product meets the requirements of Machine Directive 2006/42/EC

Recommended chain tractive power for appropriate speeds

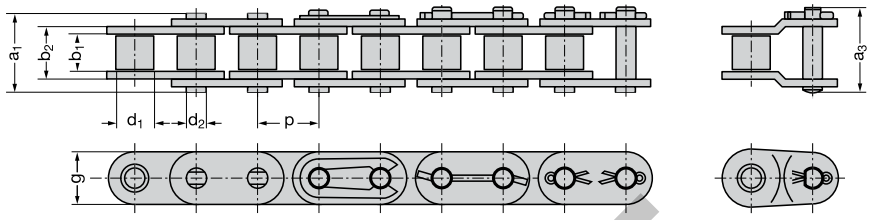
Chain No.	Temperature range from -40°C to +80°C admissible tractive power for				Temperature range +80°C to +120°C admissible tractive power for *	
	N up to 0,5 m/s	N up to 1,0 m/s	N up to 1,5 m/s	N up to 2,0 m/s	N up to 0,5 m/s	N up to 1,0 m/s
08 B - 1 SS CB	850	750	650	500	680	600
10 B - 1 SS GL CB	1100	1000	900	670	880	800
12 B - 1 SS GL CB	1500	1300	1100	890	1200	1040
16 B - 1 SS GL CB	3500	3100	2700	2100	2800	2480
08 B - 2 SS CB	1500	1300	1100	900	1200	1000
10 B - 2 SS GL CB	1900	1800	1600	1200	1500	1400
12 B - 2 SS GL CB	2600	2300	1900	1600	2100	1800
16 B - 2 SS GL CB	6100	5400	4700	3700	4900	4300

Based on 21-tooth sprockets
* For temperatures above +120°C please consult Regal Rexnord™ Application Engineering (available up to +175°C)

European standard – RexPlusCarbon™ Roller Chain made of stainless steel

Simplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Average tensile strength	Weight	Straight sided plate	Loose parts		
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_B	q				
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m		A	B	E
08 B - 1 SS CB	0.50	12.7	7.75	8.51	4.45	11.30	11.6	-	16.7	19.0	0.50	11 000	0.7		x	x	x
10 B - 1 SS GL CB	0.625	15.875	9.65	10.16	5.08	13.28	13.8	-	18.9	22.0	0.67	13 000	0.9	x	x	x	x
12 B - 1 SS GL CB	0.75	19.05	11.68	12.07	5.72	15.62	15.9	-	22.3	25.1	0.89	17 500	1.15	x	x	x	x
16 B - 1 SS GL CB	1.00	25.4	17.02	15.88	8.28	25.40	20.8	-	35.4	40.8	2.10	44 000	2.6	x	x	x	x

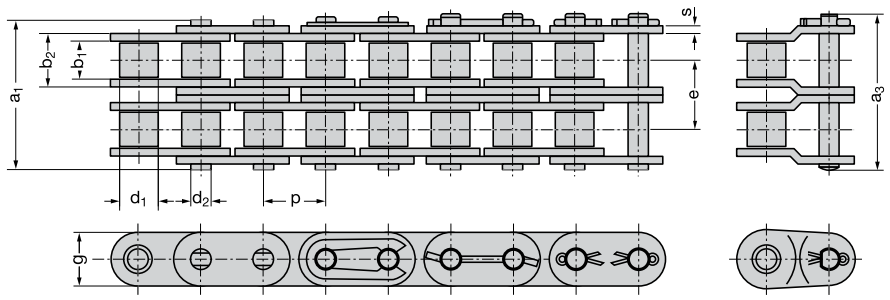


B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

European standard – RexPlusCarbon Roller Chain made of stainless steel

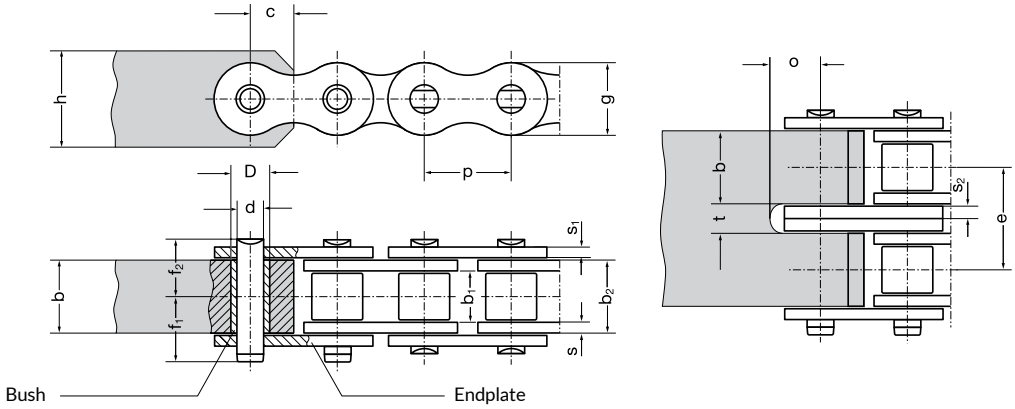
Duplex roller chain

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Average tensile strength	Weight	Straight sided plate	Loose parts		
	p		b_1 min.	d_1 max.	d_2 max.	b_2 max.	g	e	a_1 max.	a_3 max.	A	F_B	q				
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m		A	B	E
08 B - 2 SS CB	0.50	12.7	7.75	8.51	4.45	11.30	11.6	13.92	31.0	33.0	1.01	20 400	1.4		x	x	x
10 B - 2 SS GL CB	0.625	15.875	9.65	10.16	5.08	13.28	13.8	16.59	35.5	38.6	1.35	26 000	1.8	x	x	x	x
12 B - 2 SS GL CB	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	41.7	44.4	1.79	35 000	2.3	x	x	x	x
16 B - 2 SS GL CB	1.00	25.4	17.02	15.88	8.28	25.40	20.8	31.88	67.4	72.8	4.21	81 000	5.3	x	x	x	x



B inner link | A outer link | E connecting link with spring clip | S connecting link with cotter pin | L cranked link with cotter pin

Connecting Dimensions for Rex™ Roller Chains – European and American standards



- Required material tensile strength of fixing elements: at least 490 N/mm²
- To increase wear resistance, fit a bush (surface hardness rating approximately 60 HRc) to the connecting element, if joint mobility is required at the connection point. Hardened bushes are not required in case of static loading. Please order bushes using the corresponding chain part number
- The bush bore diameters d^{C10} result from press-fitting in bore diameter D^{S7}. If no bushes are fitted, the bore d^{C10} is inserted directly into the connection element

Connecting dimensions for Rex Roller Chains, European standard, ISO 606

Chain no.	Pitch		Width between inner plates	Width over inner link	Plate thickness			Plate depth	Transverse pitch						Bore diameter			
	p		b_1 min.	b_2 max.	s	s_1	s_2	g	e	f_1	f_2	h	b max.	c	d^{C10}	D^{S7}	t	o
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
08 B	0.50	12.70	7.75	11.30	1.70	1.70	1.25	11.60	13.92	10.30	8.40	11	11.20	6.0	4.45	6.27	2.7	7.5
10 B	0.625	15.875	9.65	13.28	1.70	1.50	1.50	14.60	16.59	11.30	9.40	13	13.20	7.5	5.08	7.00	3.2	8.0
12 B	0.75	19.05	11.68	15.62	1.80	1.80	1.80	15.90	19.46	13.20	11.10	16	15.60	10.0	5.72	8.75	3.8	9.5
16 B	1.00	25.40	17.02	25.40	3.75	3.05	3.05	20.50	31.88	21.60	17.70	20	25.40	14.0	8.28	11.70	6.4	13.0
20 B	1.25	31.75	19.56	29.00	4.50	3.50	3.50	25.70	36.45	24.10	20.20	26	29.00	16.5	10.19	14.00	7.4	16.5
24 B	1.50	38.10	25.40	37.90	6.00	5.00	5.00	33.00	48.36	31.60	26.90	33	37.90	19.5	14.63	18.99	10.6	20.0
28 B	1.75	44.45	30.99	46.50	6.50	5.50	6.00	37.00	59.56	36.60	31.60	36	46.50	23.0	15.90	21.64	12.6	24.0
32 B	2.00	50.80	30.99	45.50	7.00	6.30	6.30	41.20	58.55	38.40	32.50	42	45.50	27.0	17.81	23.12	13.2	27.0
40 B	2.50	63.50	38.10	55.70	8.50	8.00	8.00	51.50	72.29	47.50	39.40	52	55.70	35.0	22.89	29.18	16.6	35.0
48 B	3.00	76.20	45.72	70.50	12.00	10.00	10.00	65.00	91.21	56.00	49.20	64	70.50	40.0	29.24	37.90	20.6	40.0
56 B	3.50	88.90	53.34	81.30	13.60	12.00	12.00	80.00	106.60	64.80	57.80	77	81.30	45.0	34.32	43.50	25.0	51.0

Connecting dimensions for Rex Roller Chains, American standard, ISO 606

Chain no.	Pitch		Width between inner plates	Width over inner link	Plate thickness			Plate depth	Transverse pitch						Bore diameter			
	p		b_1 min	b_2 max	s	s_1	s_2	g	e	f_1	f_2	h	b max	c	d^{C10}	D^{S7}	t	o
	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
40	0.50	12.70	7.85	11.15	1.50	1.50	1.50	11.60	14.38	11.2	8.1	11	11.10	6.0	3.96	5.98	3.2	7.0
50	0.625	15.875	9.40	13.80	2.00	2.00	2.00	14.60	18.11	12.0	10.2	13	13.80	7.7	5.08	7.65	4.2	9.0
60	0.75	19.05	12.57	17.70	2.40	2.40	2.40	17.80	22.78	14.4	12.8	16	17.60	9.0	5.94	9.00	5.0	10.0
80	1.00	25.40	15.75	22.50	3.05	3.05	3.05	23.60	29.29	20.4	16.5	22	22.30	12.0	7.92	11.67	6.8	14.0
100	1.25	31.75	18.90	27.40	4.00	4.00	4.00	29.20	35.76	23.7	19.7	26	27.40	15.5	9.53	13.82	8.4	17.5
120	1.50	38.10	25.22	35.30	4.70	4.70	4.70	34.40	45.44	30.0	24.9	30	35.20	18.5	11.10	16.13	9.8	20.0
140	1.75	44.45	25.22	37.00	5.50	5.50	5.50	40.80	48.87	31.6	26.7	36	37.00	21.5	12.70	18.29	11.6	23.5
160	2.00	50.80	31.55	45.00	6.30	6.30	6.30	47.80	58.55	36.4	31.8	42	44.70	24.0	14.27	20.70	13.2	27.5
180	2.25	57.15	35.48	50.50	7.00	7.00	7.00	54.00	65.35	41.4	35.7	47	50.60	27.0	17.46	25.35	14.6	32.0
200	2.50	63.50	37.85	54.70	8.00	8.00	8.00	59.50	71.55	45.0	39.0	52	54.60	30.0	19.84	28.38	16.6	34.5
240	3.00	76.20	47.35	67.50	9.50	9.50	9.50	70.00	87.33	55.5	47.4	62	67.50	37.0	23.80	34.28	19.6	41.0

Overview of Rex™ Roller Chain Product Portfolio

Rex Extreme Performance Roller Chain

Chain	Static loading	Dynamic loading	Power rating	Wear resistance	Acid corrosion resistance	Damp corrosion resistance	Eco-friendly	Ex-Works Lubrication*	Attachments
RexPlus™ Roller Chain	●	●	●	●	●	●	●	VSK016 Food-grade lubricant**	✓
RexAthletic™ Roller Chain	●●	●●	●●	●●			●	VSK006 Long-life lubricant	✓
RexHiPro™ Roller Chain	●●	●●	●	●	●	●	●	VSK001 RexPro lubricant	
RexCarbon™ Roller Chain	●	●	●	●			●	VSK016 Food-grade lubricant**	✓
RexPlusCarbon™ Roller Chain	●	●	●	●	●	●	●	VSK016 Food-grade lubricant**	✓
RexProX™ Roller Chain	●	●	●	●		●	●	VSK001 RexPro lubricant	
RexHiPro™ Athletic Roller Chain	●	●	●	●	●	●	●	VSK018 Food-grade lubricating wax**	
ReXtreme™ Roller Chain	●	●	●	●	●	●	●	VSK015 High-temperature lubricant	✓

* Special or other lubrication types on request
** NSF H1 Certification

Rex High Performance Roller Chain

Chain	Static loading	Dynamic loading	Power rating	Wear resistance	Acid corrosion resistance	Damp corrosion resistance	Eco-friendly	Ex-Works Lubrication*	Attachments
RexPro™ Roller Chain	●	●	●	●		●	●	VSK001 RexPro lubricant	✓

* Special or other lubrication types on request

Link-Belt Approved Performance Roller Chain

Chain	Static loading	Dynamic loading	Power rating	Wear resistance	Acid corrosion resistance	Damp corrosion resistance	Eco-friendly	Ex-Works Lubrication	Attachments
Link-Belt™ Roller Chain	●	●	●	●			●	Corrosion protection REACH conform	

● Loading capacity
● Damp corrosion resistance
● Acid corrosion resistance
● Wear resistance
● Eco-friendly

PRODUCT CATALOG

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