

Rex™

PRODUCT
CATALOG



REX™ HIGH PERFORMANCE ROLLER CHAIN CATALOG

METRIC



RegalRexnord™

**Rex™ High Performance
RexPro™ Roller Chain -
The Standard for High-Quality Chains**





Introduction to the Rex[™] High Performance Products

RexPro[™] Roller Chain is the standard for quality chains. It can be used in challenging and difficult ambient conditions, exhibiting outstanding performance at the same time.

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* For prices, leadtimes and minimum order quantities please consult our current price book or contact Regal Rexnord.

RexPro Roller Chains offer the following advantages:

- High fatigue strength
- High reliability
- Long service life
- Low overall lifetime cost
- Low maintenance cost
- Worldwide availability





RexPro™ Roller Chain – European & American Standard

High Performance

RexPro Roller Chain is the standard for quality chains. The combination of selected steels, optimized manufacturing and RexPro Lubrication results in outstanding product characteristics. This chain is available in European (pages 6 to 8) and American (pages 9 to 11) standard.

Superior corrosion protection

RexPro Roller Chain has a very good corrosion protection compared to the best competitor for European and Asian quality roller chains, tested according to the Salt-Spray Test DIN EN ISO 9227 NSS. This results in an improved protection against stiff chain links, and a longer service life.

Improved wear resistance

The RexPro High Performance Roller Chain has an improved protection against wear. The excellent protection through RexPro Lubrication ensures a long service life and high operating reliability.

Features

- High fatigue strength and improved wear resistance
- Superior corrosion protection
- Environmental friendly
- Manufactured from high-performance materials
- Calibrated plate holes
- Seamless rollers
- Shot-peened components
- Delivered adjusted and free of twist on request

Advantages

- Minimal pre-running elongation
- Long service life
- High impact resistance

No heavy metals

The lubricant for the RexPro Chain does not contain any heavy metals, Teflon or silicone and therefore offers a wide range of applications.

Industries Served:

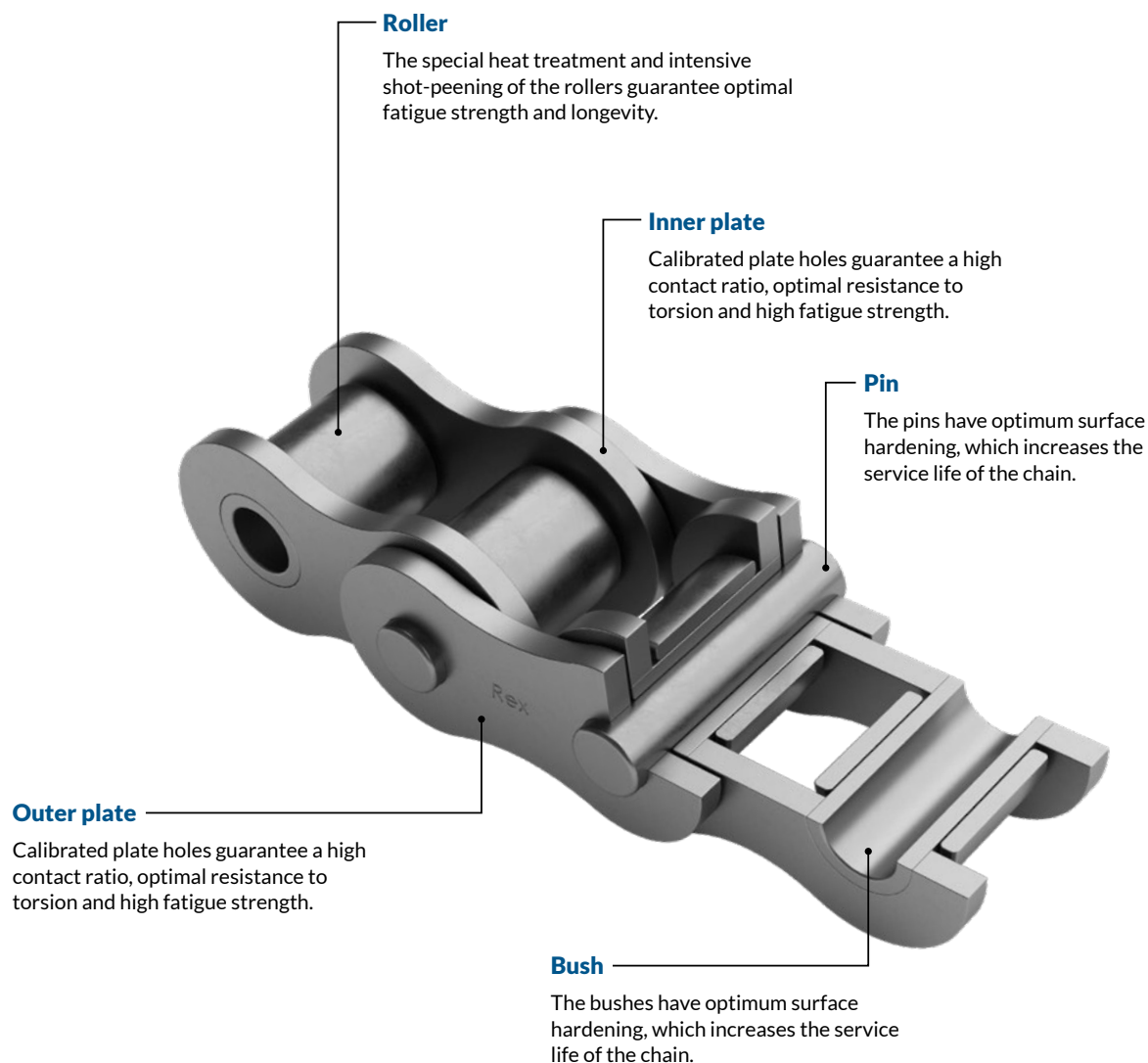
Automotive
Food & Beverage
Agriculture
Construction
Logistics & Transportation
Material Handling
Wood Industry

- Robust under tough conditions
- Maximum operating reliability
- Improved profitability

Lubrication

- Improved protection with RexPro Lubrication
- Lubrication with NSF H2 certification, RoHS:2011 compliant for electronics industry
- Operating temperature: - 30° C to + 130° C (special lubrication can expand range to - 40° C to + 250° C)
- Very good surface adhesion; remains drip-resistant even at high temperatures
- Lubrication without heavy metals, Teflon or silicone
- Other special lubricants are available (for example, lubricant with NSF H1 certification)

RexPro™ Roller Chain



Loading capacity

- Calibrated plate holes
- Shot-peened chain components, seamless rollers
- High pre-loading



Corrosion protection

- Corrosion resistance over 120 hours (salt spray test conforms to DIN EN ISO 9227)
- Highly versatile, also suitable for aggressive environments



Wear resistance

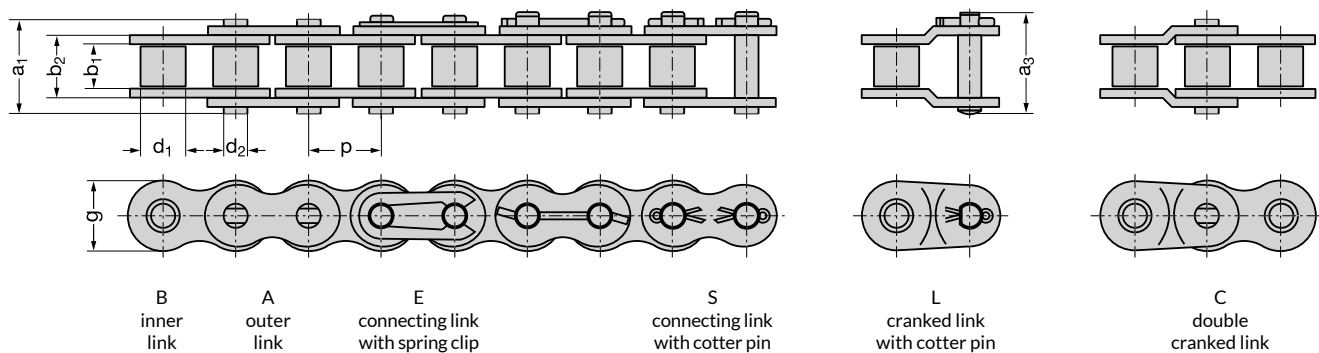
- High protection through RexPro Lubrication
- Long service life
- High operating reliability
- Excellent wear resistance through heat treatment of the wear parts



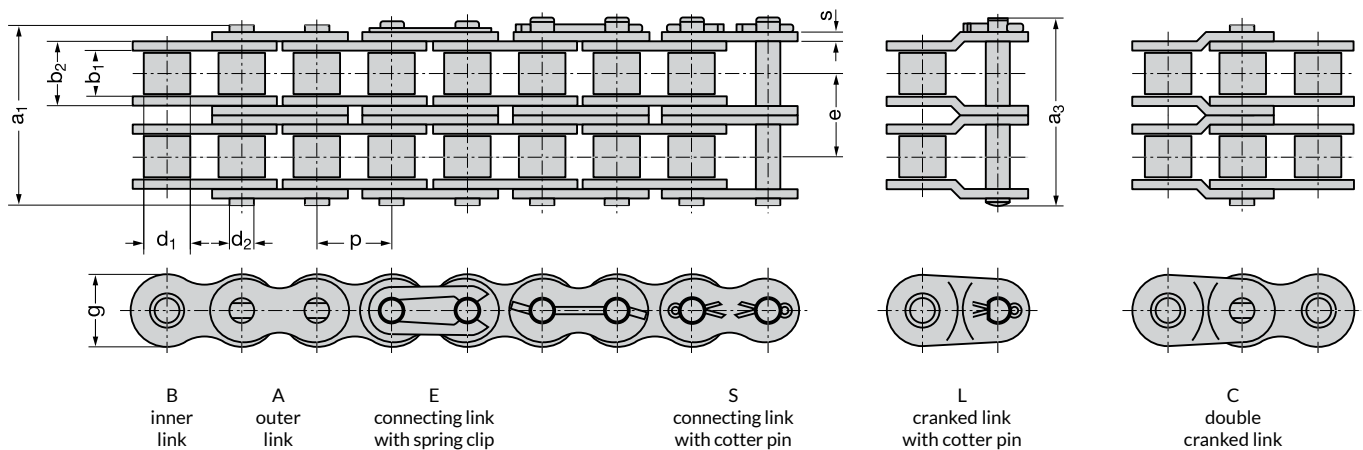
Eco-friendly

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

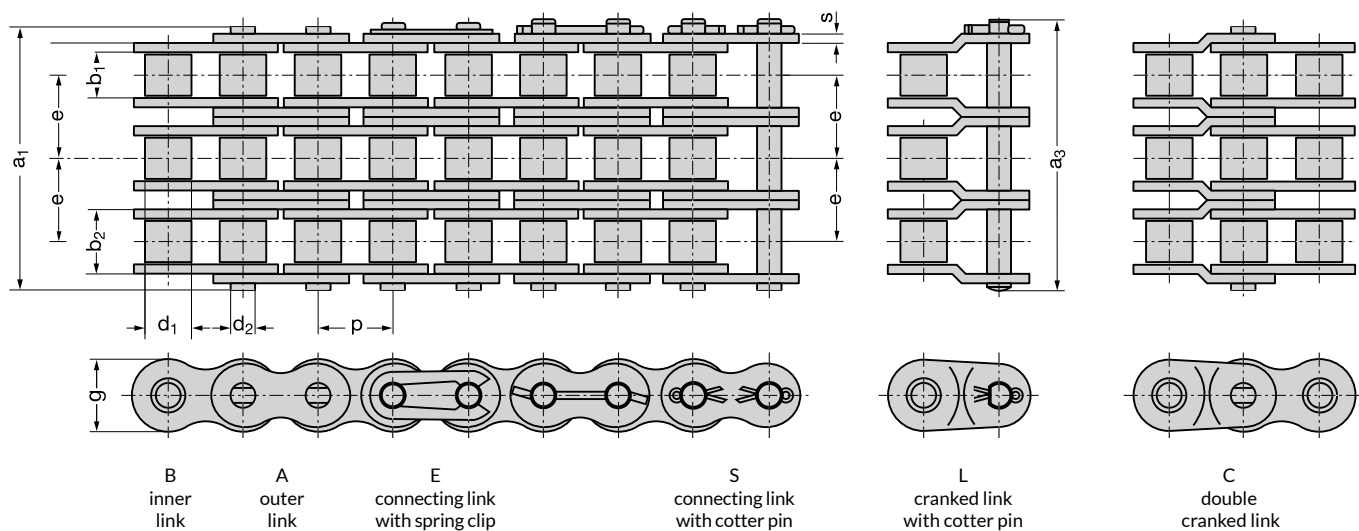
Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength ISO 606	Rex™ minimum tensile strength	Weight	Loose parts					
	p		b ₁ min.	d ₁ max.	d ₂ max.	b ₂ 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	cm ²	N	N	kg/m	A	B	C	E	L	S
06 B - 1	0.375	9.525	5.72	6.35	3.28	8.53	8.2	-	13.5	16.8	0.28	8 900	9 000	0.4	x		x	x	x	
083 - 1	0.50	12.7	4.88	7.75	4.09	7.90	10.3	-	12.9	14.4	0.32	11 600	12 000	0.4			x	x	x	
084 - 1	0.50	12.7	4.88	7.75	4.09	8.80	11.1	-	14.8	16.3	0.36	15 600	16 000	0.6					x	
08 B - 1	0.50	12.7	7.75	8.51	4.45	11.30	11.6	-	17.0	20.9	0.50	17 800	18 000	0.7	x	x	x	x	x	
10 B - 1	0.625	15.875	9.65	10.16	5.08	13.28	14.6	-	19.6	23.7	0.67	22 200	22 400	0.9	x	x	x	x	x	
12 B - 1	0.75	19.05	11.68	12.07	5.72	15.62	15.9	-	22.7	27.3	0.89	28 900	29 000	1.2	x	x	x	x	x	
16 B - 1	1.00	25.4	17.02	15.88	8.28	25.40	20.5	-	36.1	41.5	2.10	60 000	71 000	2.7	x	x	x	x	x	x
20 B - 1	1.25	31.75	19.56	19.05	10.19	29.00	25.7	-	40.4	47.6	2.96	95 000	112 000	3.8	x	x	x		x	x
24 B - 1	1.50	38.1	25.40	25.40	14.63	37.90	33.0	-	53.8	60.6	5.54	160 000	198 000	7.0	x	x	x		x	x
28 B - 1	1.75	44.45	30.99	27.97	15.90	46.50	37.0	-	63.3	72.8	7.39	200 000	200 000	8.9	x	x			x	x
32 B - 1	2.00	50.8	30.99	29.21	17.81	45.50	41.2	-	65.1	73.6	8.10	250 000	300 000	9.9	x	x	x		x	x
40 B - 1	2.50	63.5	38.10	39.37	22.89	55.70	51.5	-	78.9	91.3	12.75	355 000	355 000	15.4	x	x			x	x
48 B - 1	3.00	76.2	45.72	48.26	29.24	70.50	65.0	-	98.5	124.0	20.61	560 000	560 000	26.2	x	x			x	x
56 B - 1	3.50	88.9	53.34	53.98	34.32	81.30	80.0	-	114.6	140.0	27.9	850 000	850 000	36.7	x	x				x
64 B - 1	4.00	101.6	60.96	63.50	39.40	92.00	93.0	-	130.0	143.0	36.25	1 120 000	1 120 000	49.0	x	x				x
72 B - 1	4.50	114.3	68.58	72.39	44.50	103.80	105.0	-	147.0	161.0	46.19	1 400 000	1 400 000	64.0	x	x				x



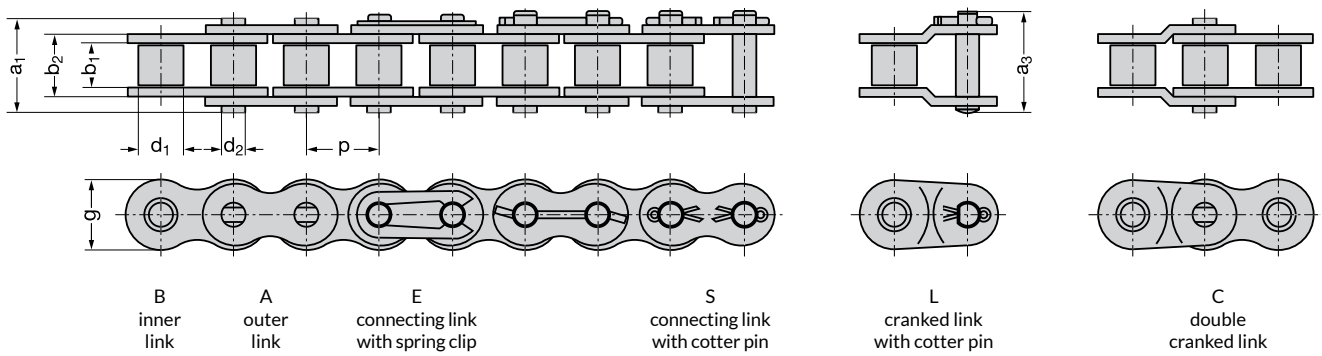
Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength ISO 606	Rex™ minimum tensile strength	Weight	Loose parts																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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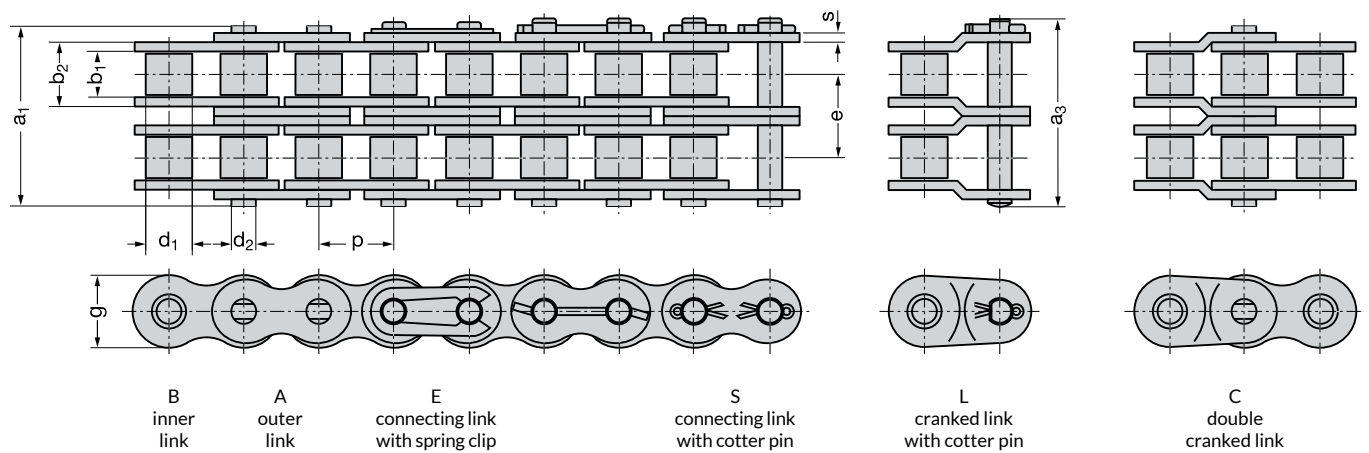
Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength ISO 606	Rex™ minimum tensile strength	Weight	Loose parts					
	p		b ₁ min.	d ₁ max.	d ₂ max.	b ₂ 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	cm ²	N	N	kg/m	A	B	C	E	L	S
06 B - 3	0.375	9.525	5.72	6.35	3.28	8.53	8.2	10.24	34.0	37.3	0.84	24 900	24 900	1.2				x	x	
08 B - 3	0.500	12.7	7.75	8.51	4.45	11.30	11.6	13.92	44.9	48.8	1.51	44 500	47 500	2.1	x	x	x	x	x	
10 B - 3	0.625	15.875	9.65	10.16	5.08	13.28	14.6	16.59	52.8	56.9	2.02	66 700	66 700	2.7	x	x	x	x	x	
12 B - 3	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	61.7	66.3	2.68	86 700	87 000	3.7			x	x	x	
16 B - 3	1.00	25.4	17.02	15.88	8.28	25.40	20.5	31.88	99.9	105.3	6.31	160 000	190 000	7.9	x	x	x	x	x	
20 B - 3	1.25	31.75	19.56	19.05	10.19	29.00	25.7	36.45	113.4	121.2	8.87	250 000	300 000	11.2	x	x	x		x	
24 B - 3	1.50	38.1	25.40	25.40	14.63	37.90	33.0	48.36	150.5	160.4	16.63	425 000	525 000	20.4	x	x			x	
28 B - 3	1.75	44.45	30.99	27.97	15.90	46.50	37.0	59.56	182.3	192.2	22.18	530 000	530 000	26.7	x	x			x	
32 B - 3	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	
40 B - 3	2.50	63.5	38.10	39.37	22.89	55.70	51.5	72.29	223.5	236.1	38.25	950 000	950 000	45.5	x	x			x	
48 B - 3	3.00	76.2	45.72	48.26	29.24	70.50	65.0	91.21	281.0	306.5	61.84	1 500 000	1 500 000	77.6	x	x			x	
56 B - 3	3.50	88.9	53.34	53.98	34.32	81.30	80.0	106.60	327.8	353.2	83.71	2 240 000	2 240 000	108.8	x	x				
64 B - 3	4.00	101.6	60.96	63.50	39.40	92.00	93.0	119.89	370.0	383.0	108.74	3 000 000	3 000 000	145.0	x	x				
72 B - 3	4.50	114.3	68.58	72.39	44.50	103.80	105.0	136.27	420.0	433.0	138.57	3 750 000	3 750 000	190.0	x	x				



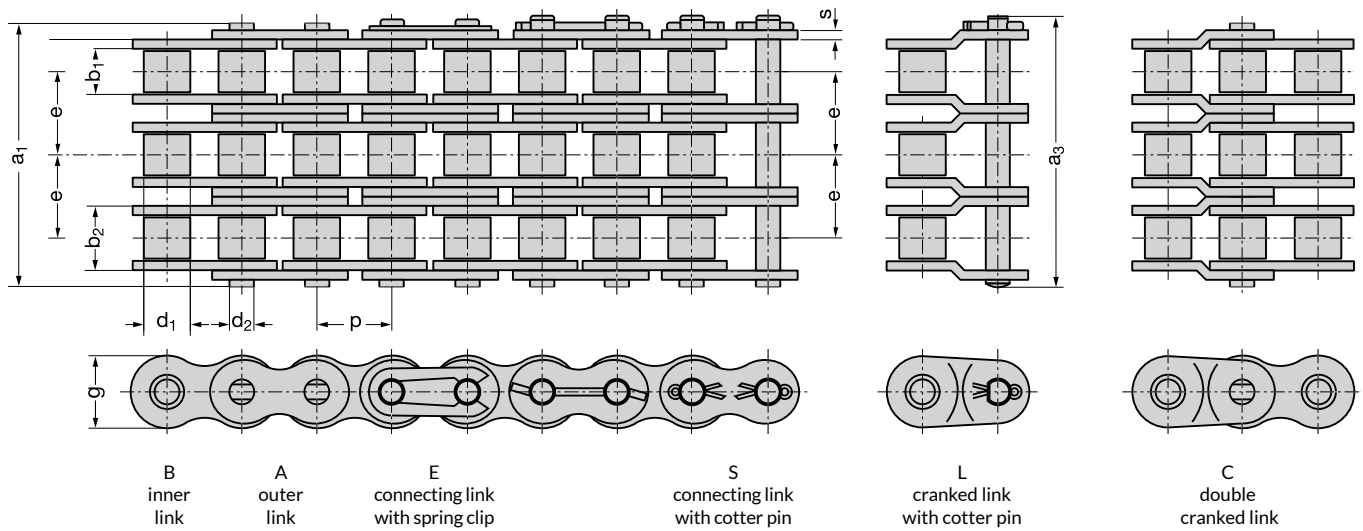
Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength ISO 606	Rex™ minimum tensile strength	Weight	Loose parts					
	p		b ₁ min.	d ₁ max.	d ₂ max.	b ₂ 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	cm ²	N	N	kg/m	A	B	C	E	L	S
40 - 1	0.50	12.7	7.85	7.92	3.96	11.15	11.6	-	17.8	21.7	0.44	13 900	16 700	0.6	x		x	x	x	
50 - 1	0.625	15.875	9.40	10.16	5.08	13.80	14.6	-	21.8	25.9	0.70	21 800	25 000	1.0	x	x	x	x	x	
60 - 1	0.75	19.05	12.57	11.91	5.94	17.70	17.8	-	26.9	31.5	1.05	31 300	37 500	1.5	x	x	x	x	x	
80 - 1	1.00	25.4	15.75	15.88	7.92	22.50	23.6	-	33.5	38.9	1.78	55 600	62 500	2.6	x	x	x	x	x	
100 - 1	1.25	31.75	18.90	19.05	9.53	27.40	29.2	-	39.4	44.9	2.61	87 000	91 500	4.0	x	x			x	x
120 - 1	1.50	38.1	25.22	22.23	11.10	35.30	34.4	-	49.8	56.1	3.92	125 000	127 000	5.5	x	x			x	x
140 - 1	1.75	44.45	25.22	25.40	12.70	37.00	40.8	-	53.4	59.3	4.70	170 000	184 000	7.5	x	x			x	x
160 - 1	2.00	50.8	31.55	28.58	14.27	45.00	47.8	-	63.6	68.9	6.42	223 000	226 800	10.2	x	x			x	x
180 - 1	2.25	57.15	35.48	35.71	17.46	50.50	54.0	-	71.3	80.0	8.82	281 000	282 000	13.7	x	x			x	x
200 - 1	2.50	63.5	37.85	39.68	19.84	54.70	59.5	-	78.0	87.5	10.85	347 000	353 800	16.8	x	x			x	x
240 - 1	3.00	76.2	47.35	47.63	23.80	67.50	70.0	-	94.8	106.7	16.07	500 000	510 300	24.3	x	x			x	x



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 ISO 606	Rex™ minimum tensile strength	Weight	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	cm ²	N	N	kg/m	A	B	C	E	L	S
40 - 2	0.50	12.7	7.85	7.92	3.96	11.15	11.6	14.38	32.3	36.2	0.88	27 800	33 400	1.2			x	x	x	
50 - 2	0.625	15.875	9.40	10.16	5.08	13.80	14.6	18.11	39.9	44.0	1.40	43 600	50 000	2.0			x	x	x	
60 - 2	0.75	19.05	12.57	11.91	5.94	17.70	17.8	22.78	49.8	54.4	2.10	62 600	75 000	3.0	x	x	x	x	x	
80 - 2	1.00	25.4	15.75	15.88	7.92	22.50	23.6	29.29	62.7	68.1	3.56	111 200	125 000	5.2	x	x	x	x	x	
100 - 2	1.25	31.75	18.90	19.05	9.53	27.40	29.2	35.76	75.3	87.8	5.22	174 000	183 000	8.0	x	x			x	x
120 - 2	1.50	38.1	25.22	22.23	11.10	35.30	34.4	45.44	95.3	101.6	7.84	250 000	254 000	11.0	x	x			x	x
140 - 2	1.75	44.45	25.22	25.40	12.70	37.00	40.8	48.87	103.3	109.6	9.40	340 000	368 000	14.9	x	x			x	x
160 - 2	2.00	50.8	31.55	28.58	14.27	45.00	47.8	58.55	122.1	130.1	12.84	446 000	453 600	20.2	x	x			x	x
180 - 2	2.25	57.15	35.48	35.71	17.46	50.50	54.0	65.84	136.7	145.4	17.63	562 000	564 000	27.2	x	x			x	x
200 - 2	2.50	63.5	37.85	39.68	19.84	54.70	59.5	71.55	149.6	159.2	21.70	649 000	707 600	33.4	x	x			x	x
240 - 2	3.00	76.2	47.35	47.63	23.80	67.50	70.0	87.83	182.7	194.7	32.13	1 000 000	1 020 600	48.2	x	x			x	x



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 ISO 606	Rex™ minimum tensile strength	Weight	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	cm ²	N	N	kg/m	A	B	C	E	L	S
50 - 3	0.625	15.875	9.40	10.16	5.08	13.80	14.6	18.11	57.9	62.0	2.10	65 400	75 000	3.0			x	x	x	
60 - 3	0.75	19.05	12.57	11.91	5.94	17.70	17.8	22.78	72.6	77.2	3.15	93 900	112 500	4.5	x	x	x	x	x	
80 - 3	1.00	25.4	15.75	15.88	7.92	22.50	23.6	29.29	91.9	97.3	5.35	166 800	187 500	7.8	x	x	x	x	x	
100 - 3	1.25	31.75	18.90	19.05	9.53	27.40	29.2	35.76	111.1	117.2	7.83	261 000	274 500	12.0	x	x			x	x
120 - 3	1.50	38.1	25.22	22.23	11.10	35.30	34.4	45.44	140.7	148.3	11.75	375 000	381 000	16.5	x	x			x	x
140 - 3	1.75	44.45	25.22	25.40	12.70	37.00	40.8	48.87	151.2	158.5	14.10	510 000	552 000	22.3	x	x			x	x
160 - 3	2.00	50.8	31.55	28.58	14.27	45.00	47.8	58.55	180.7	188.7	19.26	669 000	680 400	30.3	x	x			x	x
180 - 3	2.25	57.15	35.48	35.71	17.46	50.50	54.0	65.84	202.0	210.7	26.45	843 000	846 000	40.9	x	x			x	x
200 - 3	2.50	63.5	37.85	39.68	19.84	54.70	59.5	71.55	221.0	230.7	32.56	1 041 000	1 061 400	50.0	x	x			x	x
240 - 3	3.00	76.2	47.35	47.63	23.80	67.50	70.0	87.83	270.6	282.5	48.20	1 500 000	1 530 900	72.0	x	x			x	x





RexPro™ Roller Chain – H-Series American Standard

High Performance

Industries Served:

Road construction
Energy
Agriculture
Mining & Metals
Cement & Aggregate

Alterations in the design of the standard chain give the RexPro H-Series Roller Chain high fatigue strength for ambitious applications.

Strengthened link plates

The thickness of the link plates of the RexPro H-Series corresponds to the plates of the particular chain design with the next-larger chain pitch. This makes it a very robust chain even under the toughest conditions.

High fatigue strength

Roller Chains in the H (heavy) series exhibit a fatigue strength that is up to 40% higher. This allows a correspondingly higher operating load. This makes it the ideal chain for high-performance power transmission.

Enlarged bearing area

Thanks to the enlarged bearing area the loading capacity of the chain is increased.

Features

- Strengthened RexPro-quality roller chain
- Enlarged bearing area
- The higher fatigue strength results in greater safety against fatigue failure
- The simple H-Series roller chains can be used on the chain wheels of the roller chains in the American design. In the case of multiple roller chains attention should be paid to the central length "e".

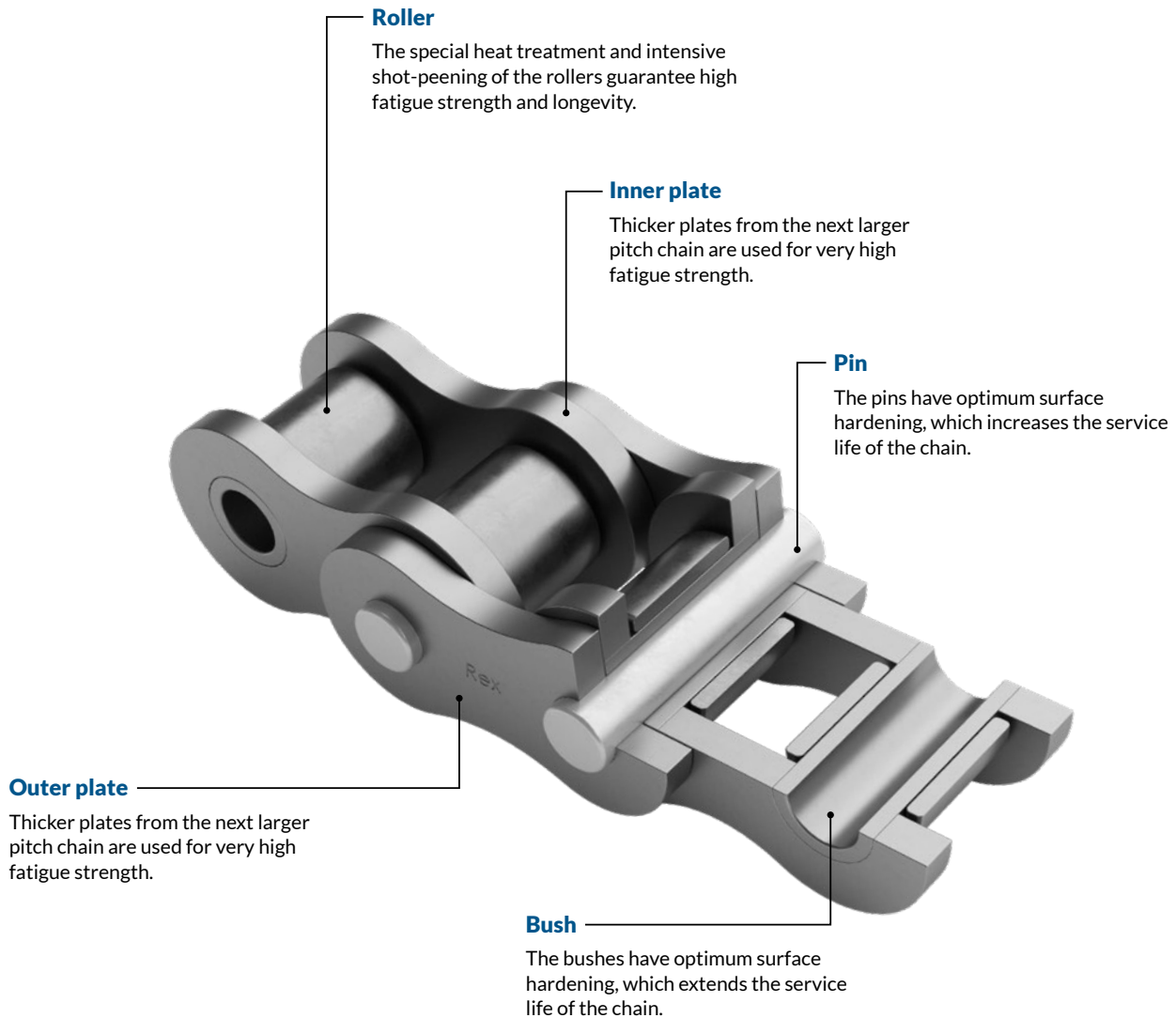
Advantages

- Ideal for high-performance power transmission
- High impact resistance
- Robust under the toughest conditions

Lubrication

- Improved protection with RexPro Lubrication
- Lubrication with NSF H2 certification, RoHS:2011 compliant for electronics industry
- Operating temperature: - 30° C to + 130° C (special lubrication can expand range to - 40° C to + 250° C)
- Very good surface adhesion; remains drip-resistant even at high temperatures
- Lubrication without heavy metals, Teflon or silicone
- Other special lubricants are available (for example, lubricant with NSF H1 certification)

RexPro™ Roller Chain – H-Series American Standard



Loading capacity

- High loading capacity
- Especially suited for heavy-duty drives and lifting purposes
- Shot-peened chain components, seamless rollers



Corrosion protection

- Corrosion resistance over 120 hours (salt spray test conforms to DIN EN ISO 9227)
- Highly versatile, also suitable for aggressive environments



Wear resistance

- Comprehensive protection from
- RexPro Lubrication
- Long service life
- High operational reliability
- Excellent resistance to wear due to heat treatment and enlarged bearing area of parts subject to wear

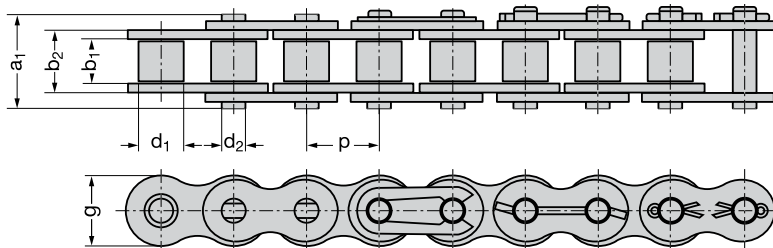
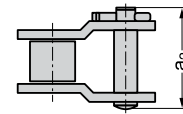
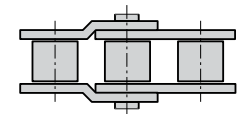


Eco-friendly

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

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

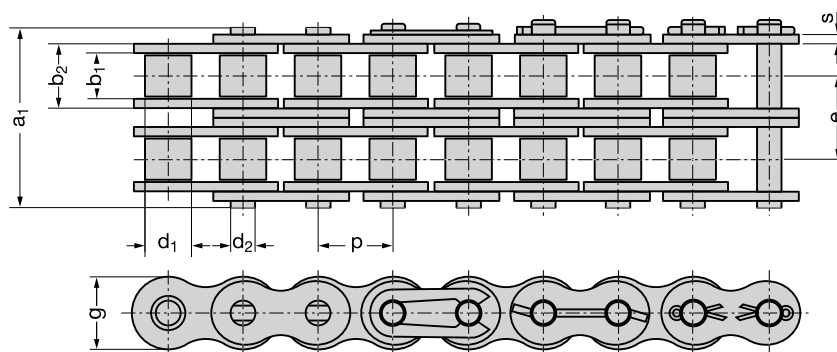
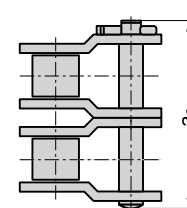
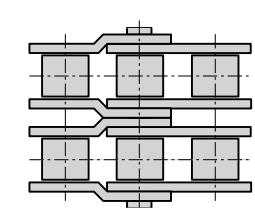
Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength ISO 606	Rex™ minimum tensile strength	Weight	Loose parts					
	p																			
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	N	kg/m	A	B	C	E	L
50 H - 1	0.625	15.875	9.40	10.16	5.08	14.60	14.6	-	23.4	27.5	0.74	21 800	27 000	1.1	x	x		x	x	
60 H - 1	0.75	19.05	12.57	11.91	5.94	19.35	17.8	-	28.8	32.0	1.15	31 300	37 500	1.8	x	x		x	x	x
80 H - 1	1.00	25.4	15.75	15.88	7.92	24.30	23.6	-	35.9	41.0	1.92	55 600	66 500	3.1	x	x		x	x	x
100 H - 1	1.25	31.75	18.90	19.05	9.53	29.00	29.2	-	42.8	48.2	2.76	87 000	96 000	4.5	x	x			x	x
120 H - 1	1.50	38.1	25.22	22.23	11.10	37.00	34.4	-	53.0	59.0	4.11	125 000	127 000	6.2	x	x			x	x
140 H - 1	1.75	44.45	25.22	25.40	12.70	38.70	40.8	-	56.6	62.6	4.91	170 000	172 400	8.1	x	x			x	x
160 H - 1	2.00	50.8	31.55	28.58	14.27	46.90	47.8	-	67.2	72.3	6.69	223 000	226 800	10.9	x	x			x	x
200 H - 1	2.50	63.5	37.85	39.68	19.84	57.60	59.5	-	84.0	93.5	11.43	347 000	350 000	18.9	x	x				x

B
inner
linkA
outer
linkE
connecting link
with spring clipS
connecting link
with cotter pinL
cranked link
with cotter pinC
double
cranked link

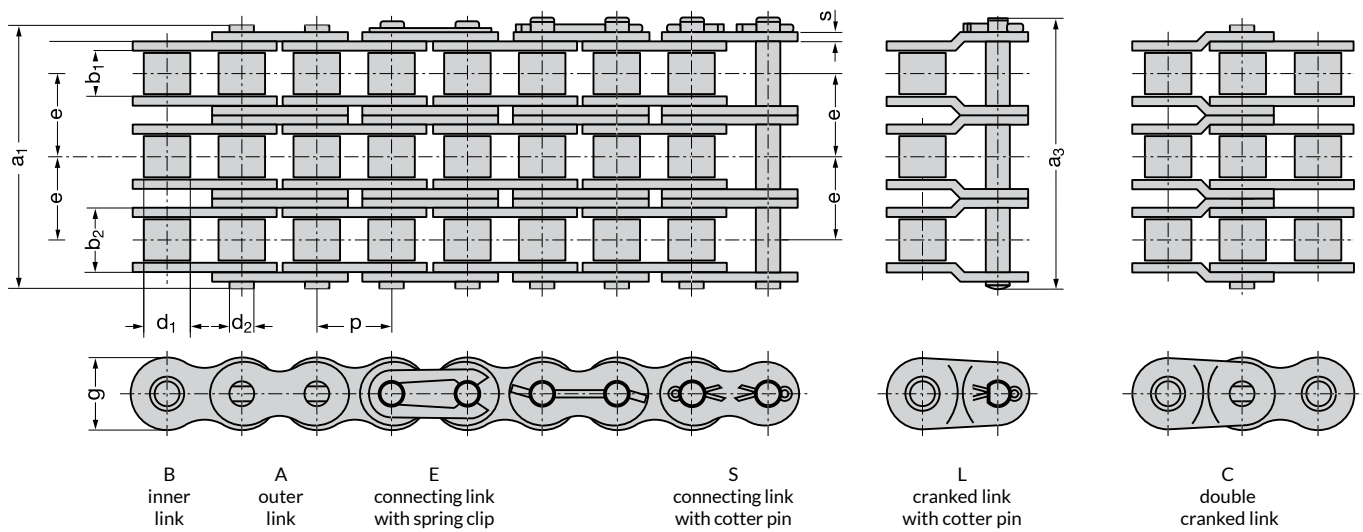
H-Series – American Standard – RexPro Roller Chain ISO 606

Duplex roller chain

Chain No.															Loose parts							
	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 ISO 606	Rex™ minimum tensile strength	Weight								
	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	mm	mm	N	N	kg/m	A	B	C	E	L	S	
60 H-2	0.75	19.05	12.57	11.91	5.94	19.35	17.8	26.11	54.9	58.0	2.30	62 600	75 000	3.6	x	x						
80 H-2	1.00	25.4	15.75	15.88	7.92	24.30	23.6	32.59	68.6	73.7	3.85	111 200	133 000	6.2	x	x						
100 H-2	1.25	31.75	18.90	19.05	9.53	29.00	29.2	39.09	82.0	97.8	5.53	174 000	192 000	9.0	x	x				x	x	
120 H-2	1.50	38.1	25.22	22.23	11.10	37.00	34.4	48.87	101.8	109.5	8.21	250 000	254 000	12.3	x	x				x	x	
140 H-2	1.75	44.45	25.22	25.40	12.70	38.70	40.8	52.20	108.7	116.0	9.83	340 000	344 800	16.2	x	x				x	x	
160 H-2	2.00	50.8	31.55	28.58	14.27	46.90	47.8	61.90	128.6	136.8	13.39	446 000	453 600	21.8	x	x				x	x	
200 H-2	2.50	63.5	37.85	39.68	19.84	57.60	59.5	78.31	161.6	171.2	22.86	694 000	700 000	37.4	x	x					x	

B
inner
linkA
outer
linkE
connecting link
with spring clipS
connecting link
with cotter pinL
cranked link
with cotter pinC
double
cranked link

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 ISO 606	Rex™ minimum tensile strength	Weight	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	cm ²	N	N	kg/m	A	B	C	E	L	S
60 H - 3	0.75	19.05	12.57	11.91	5.94	19.35	17.8	26.11	81.1	84.4	3.45	93 900	112 500	5.4	x	x				
80 H - 3	1.00	25.4	15.75	15.88	7.92	24.30	23.6	32.59	101.3	106.3	5.77	166 800	200 000	9.3	x	x				
100 H - 3	1.25	31.75	18.90	19.05	9.53	29.00	29.2	39.09	120.0	126.6	8.29	261 000	288 000	13.4	x	x			x	x
120 H - 3	1.50	38.1	25.22	22.23	11.10	37.00	34.4	48.87	150.8	158.7	12.32	375 000	381 000	18.4	x	x			x	x
140 H - 3	1.75	44.45	25.22	25.40	12.70	38.70	40.8	52.20	160.9	168.3	14.74	510 000	517 200	24.2	x	x			x	x
160 H - 3	2.00	50.8	31.55	28.58	14.27	46.90	47.8	61.90	190.6	198.7	20.08	669 000	680 400	32.7	x	x			x	x
200 H - 3	2.50	63.5	37.85	39.68	19.84	57.60	59.5	78.31	239.1	248.7	34.28	1 041 000	1 050 000	56.1	x	x				x





RexPro™ Roller Chain – HE-Series American Standard

High Performance

In designing the HE-Series, Rex™ not only uses the thicker link plates of the H-Series, but also pins made of fully hardened material. The result is an extremely durable chain with high tensile strength and very good impact resistance.

Higher fatigue strength

RexPro Roller Chain of the HE-Series uses thicker link plates (as thick as the next-larger-sized standard chain), giving it a load-bearing capacity that is up to 40% higher than in the standard series.

High-strength pins

The pins are made of high-strength material. They are fully hardened and their higher shear and tensile strength improve the breaking force and the shock resistance of the chain immensely.

Extremely shock-resistant

The combination of thicker plates and high-strength pins makes this chain especially suitable for tough applications with high-impact loads.

Industries Served:

Road construction
Energy
Agriculture
Mining & Metals
Cement & Aggregate

Features

- Fulfills the stringent demands set by the excellent RexPro standards
- Enlarged bearing area
- Higher tensile strength
- Up to 40% higher load-bearing capacity and performance than the standard series

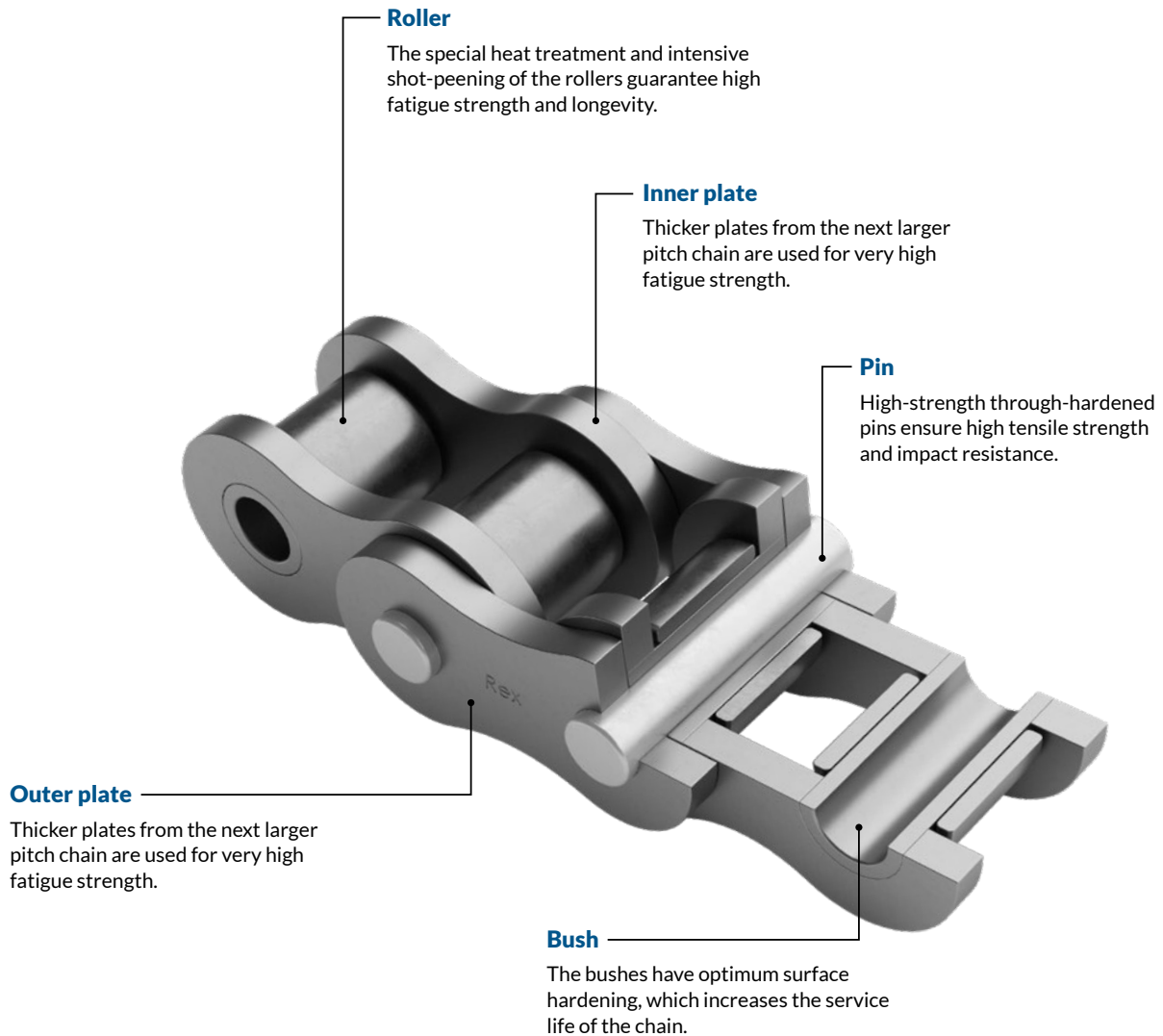
Advantages

- Ideal for high-performance power transmission
- Very high impact resistance
- Very robust under the toughest conditions
- In the majority of roller chains, induction-hardened pins can increase the resistance to wear

Lubrication

- Improved protection with RexPro Lubrication
- Lubrication with NSF H2 certification, RoHS:2011 compliant for electronics industry
- Operating temperature: - 30° C to + 130° C (special lubrication can expand range to - 40° C to + 250° C)
- Very good surface adhesion; remains drip-resistant even at high temperatures
- Lubrication without heavy metals, Teflon or silicone
- Other special lubricants are available (for example, lubricant with NSF H1 certification)

RexPro™ Roller Chain – HE-Series American Standard



Loading capacity

- High loading capacity
- Especially suited for heavy-duty drives and lifting purposes
- High impact resistance
- Highest breaking strength



Corrosion protection

- Corrosion resistance over 120 hours (salt spray test conforms to DIN EN ISO 9227)
- Highly versatile, also suitable for aggressive environments



Wear resistance

- Comprehensive protection through RexPro Lubrication
- Long service life
- High operational reliability
- Good resistance to wear due to heat treatment and enlarged bearing area of parts subject to wear

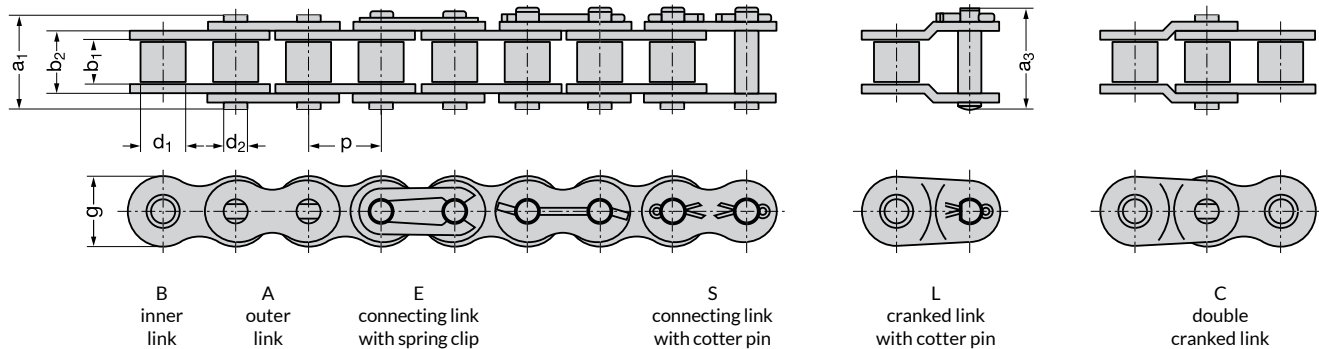


Eco-friendly

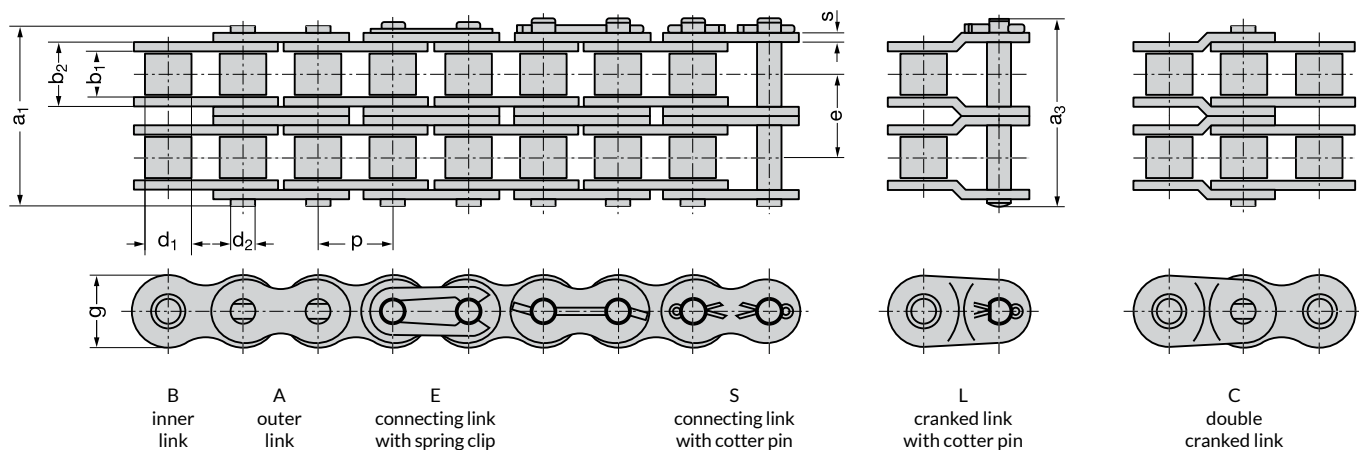
- Use of RexPro Lubrication, contains no heavy metals and is Silicone- and Teflon-free
- Environmental management system conforms to DIN EN ISO 14001

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

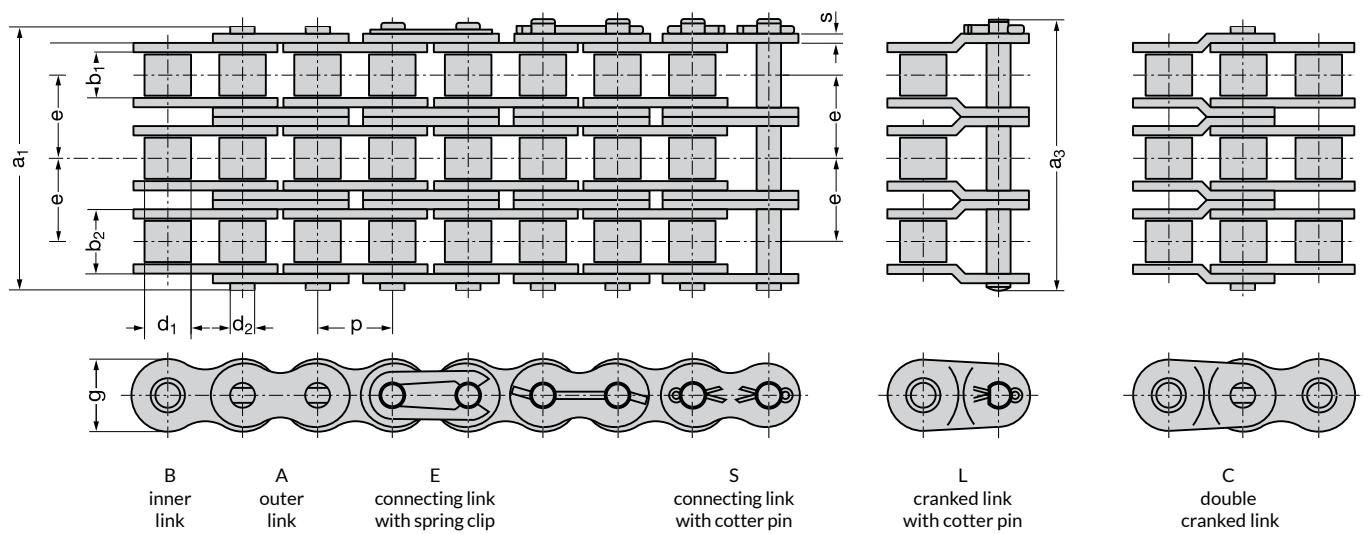
Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength ISO 606	Rex™ minimum tensile strength	Weight	Loose parts							
	p														b ₁ min.	d ₁ max.	d ₂ max.	b ₂ max.	g	e	a ₁ max.	a ₃ max.
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	N	N	kg/m							
60 HE - 1	0.75	19.05	12.57	11.91	5.94	19.35	17.8	-	28.8	32.0	1.15	41 500	47 000	1.8	x	x				x	x	
80 HE - 1	1.00	25.4	15.75	15.88	7.92	24.30	23.6	-	35.9	41.0	1.92	69 200	80 000	3.1	x	x			x	x	x	
100 HE - 1	1.25	31.75	18.90	19.05	9.53	29.00	29.2	-	42.8	48.2	2.76	104 000	115 000	4.5	x	x				x	x	
120 HE - 1	1.50	38.1	25.22	22.23	11.10	37.00	34.4	-	53.0	59.0	4.11	146 000	167 000	6.2	x	x				x	x	
140 HE - 1	1.75	44.45	25.22	25.40	12.70	38.70	40.8	-	56.6	62.6	4.91	194 000	209 000	8.1	x	x				x	x	
160 HE - 1	2.00	50.8	31.55	28.58	14.27	46.90	47.8	-	67.2	72.3	6.69	250 000	271 000	10.9	x	x				x	x	
200 HE - 1	2.50	63.5	37.85	39.68	19.84	57.60	59.5	-	84.0	93.5	11.43	416 000	416 000	18.9	x	x				x	x	



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 ISO 606	Rex minimum tensile strength	Weight	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
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	N	N	kg/m									
60 HE - 2	0.75	19.05	12.75	11.91	5.94	19.35	17.8	26.11	54.9	58.0	2.30	83 000	93 000	3.6	x	x					x			
80 HE - 2	1.00	25.4	15.75	15.88	7.92	24.30	23.6	32.59	68.6	73.7	3.85	138 400	160 000	6.2	x	x					x			
100 HE - 2	1.25	31.75	18.90	19.05	9.53	29.00	29.2	39.09	82.0	97.8	5.53	208 000	230 000	9.0	x	x				x	x			
120 HE - 2	1.50	38.1	25.22	22.23	11.10	37.00	34.4	48.87	101.8	109.5	8.21	292 000	334 000	12.3	x	x				x	x			
140 HE - 2	1.75	44.45	25.22	25.40	12.70	38.70	40.8	52.20	108.7	116.0	9.83	388 000	418 000	16.2	x	x				x	x			
160 HE - 2	2.00	50.8	31.55	28.58	14.27	46.90	47.8	61.90	128.6	136.8	13.39	500 000	542 000	21.8	x	x				x	x			
200 HE - 2	2.50	63.5	37.85	39.68	19.84	57.60	59.5	78.31	161.6	171.2	22.86	832 000	832 000	37.4	x	x				x	x			



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 ISO 606	Rex™ minimum tensile strength	Weight	Loose parts					
	p		b ₁	d ₁	d ₂	b ₂	g	e	a ₁	a ₃	A	F _U	F _B	q						
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	N	kg/m	A	B	C	E	L	S
60 HE - 3	0.75	19.05	12.57	11.91	5.94	19.35	17.8	26.11	81.1	84.4	3.45	124 500	140 000	5.4	x	x				x
80 HE - 3	1.00	25.4	15.75	15.88	7.92	24.30	23.6	32.59	101.3	106.3	5.77	207 600	240 000	9.3	x	x				x
100 HE - 3	1.25	31.75	18.90	19.05	9.53	29.00	29.2	39.09	120.0	126.6	8.29	312 000	345 000	13.4	x	x				x
120 HE - 3	1.50	38.1	25.22	22.23	11.10	37.00	34.4	48.87	150.8	158.7	12.32	438 000	501 000	18.4	x	x				x
140 HE - 3	1.75	44.45	25.22	25.40	12.70	38.70	40.8	52.20	160.9	168.3	14.74	582 000	627 000	24.2	x	x				x
160 HE - 3	2.00	50.8	31.55	28.58	14.27	46.90	47.8	61.90	190.6	198.7	20.08	750 000	813 000	32.7	x	x				x
200 HE - 3	2.50	63.5	37.85	39.68	19.84	57.60	59.5	78.31	239.1	248.7	34.28	1 248 000	1 248 000	56.1	x	x			x	x





RexPro™ Roller Chain – HS-Series American Standard

High Performance

The Rex HS-Series Roller Chain provides **a longer overall life time** for the highly stressed drive in round baler applications. Significant improvements have been made particularly in regard to the fatigue strength and wear resistance of the chain pins.

Outstanding performance in every field

The Rex HS-Series Roller Chain is the perfect combination of the H- and HE-Series Chains. The innovative raw material and the heat treatment go along with a state-of-the-art production method. The result is a drive chain with outstanding performances for all operational demands.

Improved wear resistance

The hardened and shot peened pins receive a surface treatment that works perfect together with the long life lubricant. Seamless and hardened bushing complete the chain joint. And finally the high preloading minimizes the running-in elongation. All these treatments result in an improved wear resistance of the chain.

Features

- Clearly higher wear resistance and higher dynamic strength compared to standard roller chains
- Low maintenance due to the long-life lubrication
- Interchangeable with ISO 606 H and HE chains
- Special raw materials and special assembly procedures

Advantages

- Corrosion-resistant
- Combines the advantages of the H- and HE-Series
- Long wear life
- Cost-effective

High fatigue strength

The calibration of the plate bores is the foundation for high press fits. In combination with the high preloading treatment we achieve the outstanding fatigue strength of the HS-Series Chain. This makes it the ideal chain for applications with high dynamic shock loads.

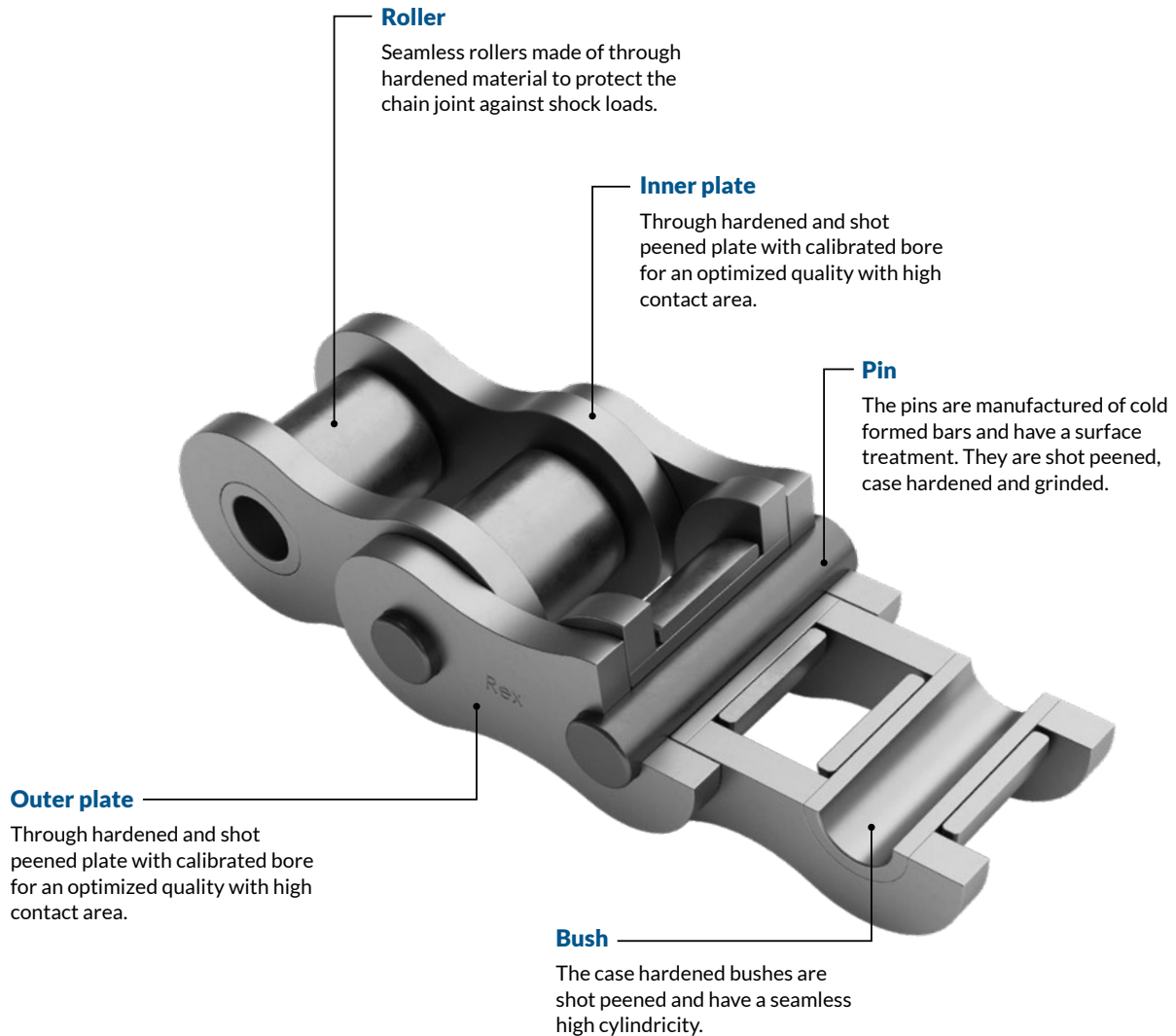
Lubrication

- Long-life lubricant
- Thixotropic
- No oil dripping
- Operating temperature: -15°C to +75°C
- With high temperature lubricants, use is possible up to 250°C

Industries Served:

Agriculture
Construction machines
Wood industry
Material handling

RexPro™ Roller Chain – HS-Series American Standard



Loading capacity

- High loading capacity
- Ideal solution for heavy-duty drives and lifting purposes
- Highest tensile strength
- Very high fatigue strength



Wear resistance

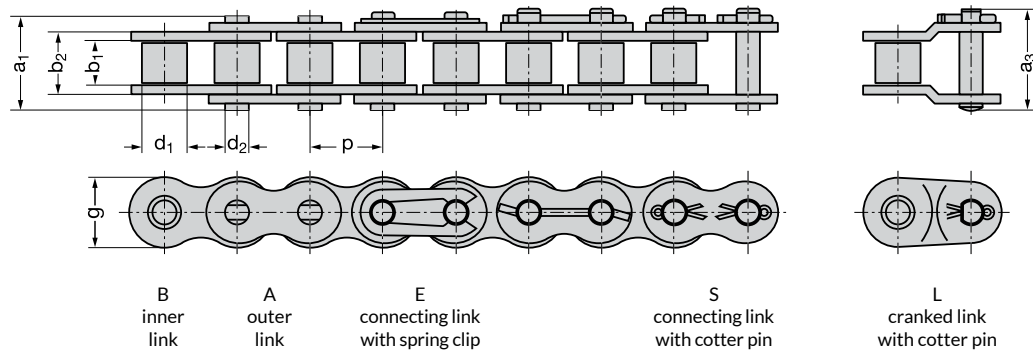
- Very robust chain
- Special pin material and heat treatment for longer wear life
- Long service life and maximum operational reliability



Eco-friendly

- The Rex™ Special Lubrication that is used does not contain any heavy metals, Teflon or silicone
- Environmental management system conforms to DIN EN ISO 14001

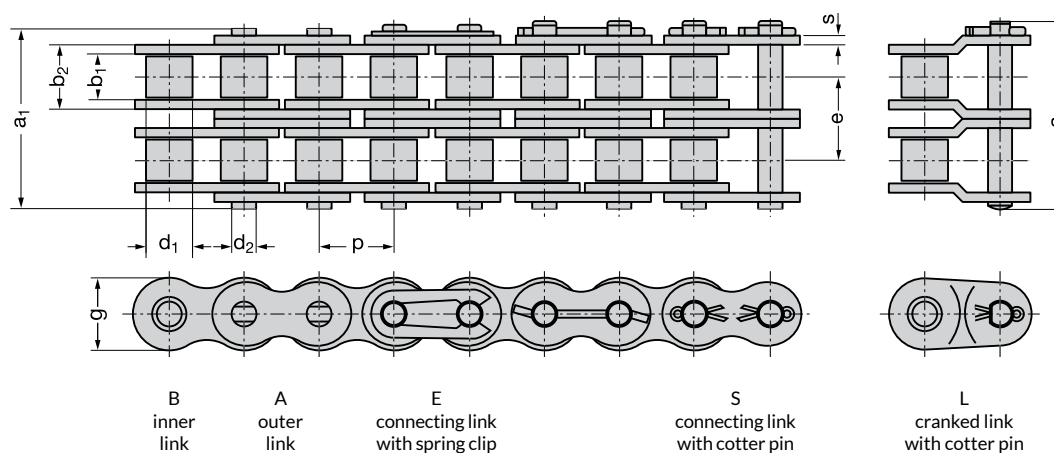
Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength ISO 606	Rex minimum tensile strength	Weight	Loose parts						
	p	b ₁ min.													d ₁ max.	d ₂ max.	b ₂ max.	g	e	a ₁ max.	a ₃ max.
80 HS - 1	1.00	25.4	15.75	15.88	7.92	24.30	23.5	–	35.9	41.0	1.92	69 200	84 000	3.1	x	x			x	x	
100 HS - 1	1.25	31.75	18.90	19.05	9.53	29.00	29.2	–	42.8	48.2	2.76	104 000	115 000	4.5	x	x			x	x	



HS-Series – American Standard – Rex 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 ISO 606	Rex minimum tensile strength	Weight	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	cm ²	N	N	kg/m	A	B	C	E	L	S			
80 HS - 2	1.00	25.4	15.75	15.88	7.92	24.30	23.5	32.59	68.6	73.7	3.85	138 400	168 000	6.2	x	x			x	x			
100 HS - 2	1.25	31.75	18.90	19.05	9.53	29.00	29.2	39.09	82.0	97.8	5.53	208 000	230 000	9.0	x	x			x	x			





RexPro™ Roller Chain – with Straight Side Plates

High Performance

RexPro Roller Chain with straight side plates have the exact same high performance characteristics as the RexPro Roller Chain with standard plates. But the straight side plates are ideal for applications to easily convey goods directly on the chain.

Industries Served:

Material handling
Logistics & Transportation
Wood industry
Pulp & Paper

Superior corrosion protection

RexPro Roller Chain has a very good corrosion protection compared to the best competitor for European and Asian quality roller chains, tested according to the Salt-Spray Test DIN EN ISO 9227 NSS. This results in an improved protection against stiff chain links, and a longer service life.

Improved wear resistance

The RexPro High Performance Roller Chain has an improved protection against wear. The excellent protection through RexPro Lubrication leads to a long service life and high operating reliability.

No heavy metals

The lubrication for the RexPro Chain does not contain any heavy metals, Teflon or silicone and therefore offers a wide range of applications.

Features

- Straight side plates for smooth conveying of goods directly on the chain
- Larger support surface against external wear
- High fatigue strength and improved wear resistance
- Superior corrosion protection
- Environmental friendly
- Manufactured from high-performance materials
- Calibrated plate holes and seamless rollers
- Shot-peened components
- Delivered matched in pairs and free of twist on request

Advantages

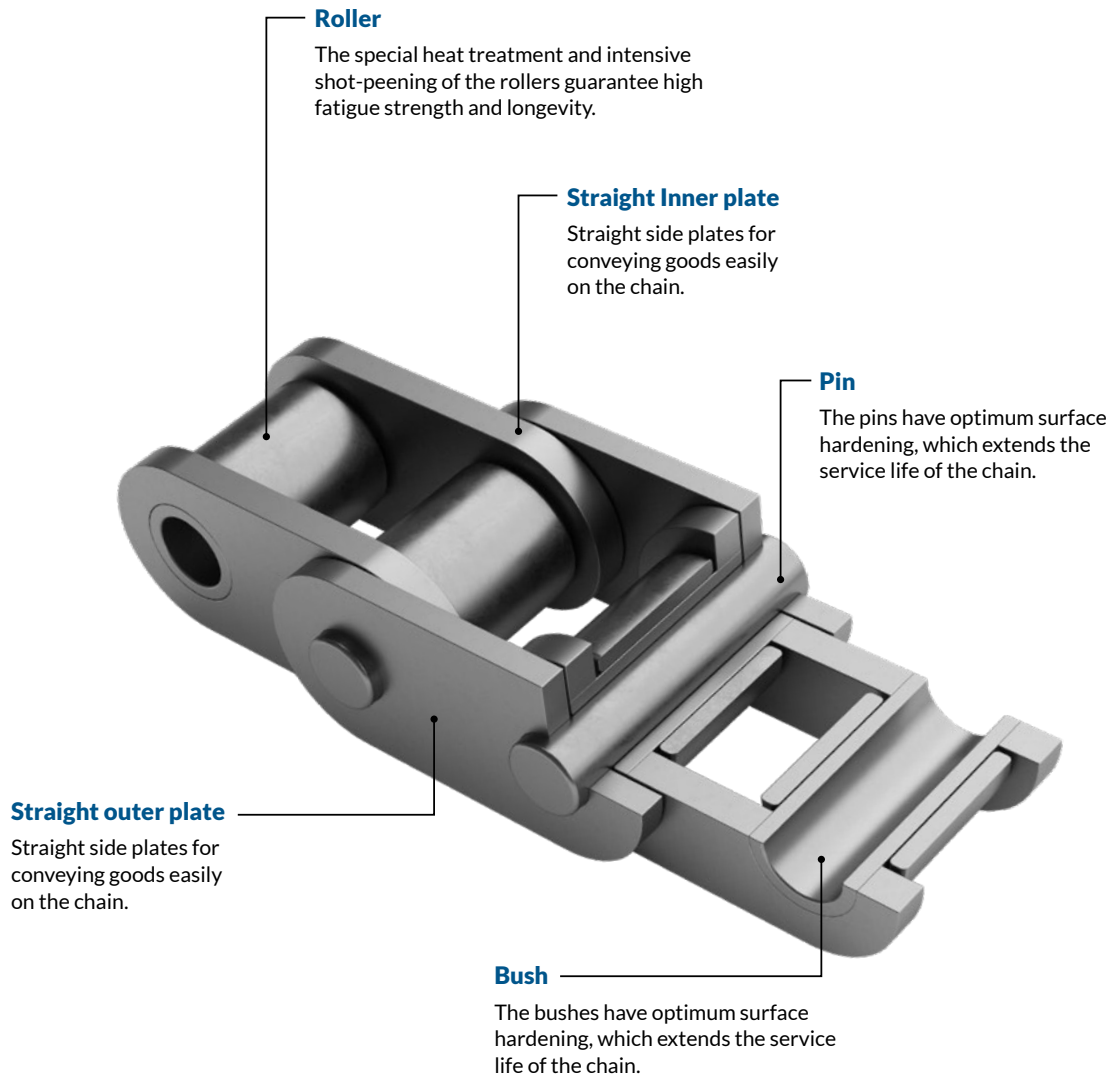
- Minimal pre-running elongation
- Long service life

- High impact resistance
- Robust under tough conditions
- Maximum operating reliability
- Improved profitability

Lubrication

- Improved protection with RexPro Lubrication
- Lubrication with NSF H2 certification, RoHS:2011 compliant for electronics industry
- Operating temperature: - 30° C to + 130° C (special lubrication can expand range to - 40° C to + 250° C)
- Very good surface adhesion; remains drip-resistant even at high temperatures
- Lubrication without heavy metals, Teflon or silicone
- Other special lubricants are available (for example, lubricant with NSF H1 certification)

RexPro™ Roller Chain – with Straight Side Plates



Loading capacity

- Ball-drifted plate holes
- Shot-peened chain components, seamless rollers
- High pre-loading



Corrosion protection

- Corrosion resistance over 120 hours (salt spray test conforms to DIN EN ISO 9227)
- Highly versatile, also suitable for aggressive environments



Wear resistance

- More wear material with the straight side plates
- High protection through RexPro Lubrication
- Long service life
- High operating reliability
- Excellent wear resistance through heat treatment of the wear parts



Eco-friendly

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

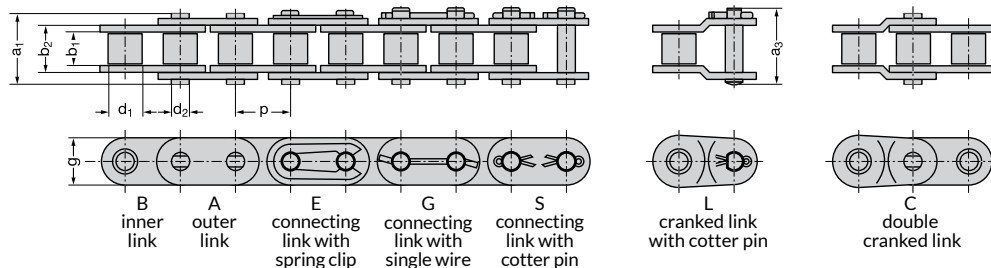


This product meets the requirements of Machine Directive 2006/42/EC

With Straight Side Plates – RexPro™ 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 ISO 606	Rex™ minimum tensile strength	Weight	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	mm	N	N	kg/m								
European Standard																						
06 B - 1 GL	0.375	9.525	5.72	6.35	3.28	8.53	8.2	-	13.5	16.8	0.28	8 900	9 000	0.4			x	x	x			
10 B - 1 GL	0.625	15.875	9.65	10.16	5.08	13.28	13.8	-	19.6	23.7	0.67	22 200	22 400	1.0	x	x	x	x	x			
12 B - 1 GL	0.75	19.05	11.68	12.07	5.72	15.62	15.9	-	22.7	27.3	0.89	28 900	29 000	1.3	x	x	x	x	x			
16 B - 1 GL	1.00	25.4	17.02	15.88	8.28	25.40	20.5	-	36.1	41.5	2.10	60 000	71 000	2.9	x	x	x	x	x	x		
20 B - 1 GL	1.25	31.75	19.56	19.05	10.19	29.00	25.7	-	40.4	47.6	2.96	95 000	112 000	4.1	x	x	x		x	x		
24 B - 1 GL	1.50	38.1	25.40	25.40	14.63	37.90	33.0	-	53.8	60.6	5.54	160 000	198 000	7.5	x	x	x		x	x		
32 B - 1 GL	2.00	50.8	30.99	29.21	17.81	45.50	41.2	-	65.1	73.6	8.10	250 000	300 000	10.4	x	x	x		x	x		
16 B - 1 GL24	1.00	25.4	17.02	15.88	8.28	25.40	24.0	-	36.1	41.5	2.10	60 000	72 000	3.4	x	x		x		x		
American Standard																						
60 - 1 GL	0.75	19.05	12.57	11.91	5.94	17.70	17.7	-	26.9	31.5	1.05	31 300	31 800	1.7	x	x		x				
80 - 1 GL	1.00	25.4	15.75	15.88	7.92	22.50	23.5	-	33.5	38.9	1.78	55 600	56 700	3.0				x		x		
American Standard H-Series																						
60H - 1 GL	0.75	19.05	12.57	11.91	5.94	19.35	17.7	-	28.8	32.0	1.15	31 300	37 500	2.1				x				

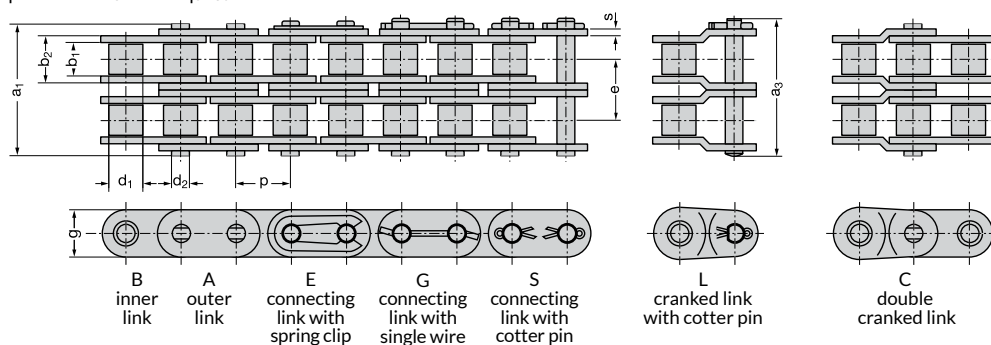


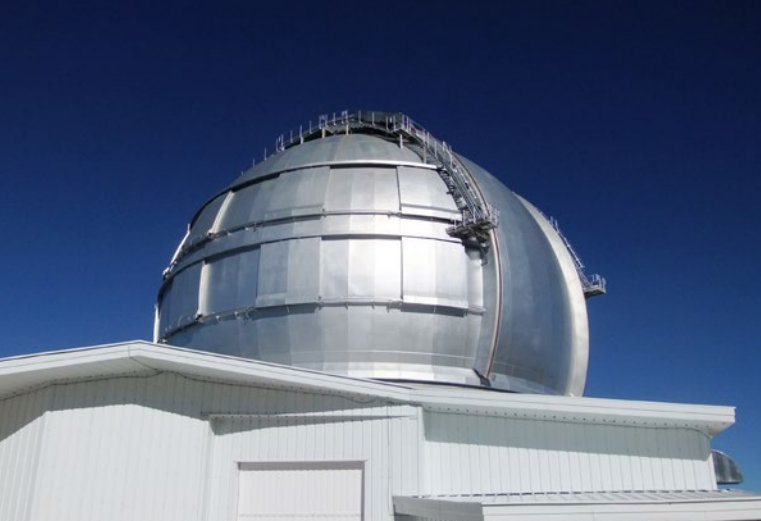
With Straight Side Plates – RexPro Roller Chain ISO 606

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 ISO 606	Rex minimum tensile strength	Weight	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	mm	N	N	kg/m							
European Standard																					
06 B - 2 GL	0.375	9.525	5.72	6.35	3.28	8.53	8.2	10.24	23.8	27.1	0.56	16 900	16.900	0.8			x	x	x		
10 B - 2 GL	0.625	15.875	9.65	10.16	5.08	13.28	13.8	16.59	36.2	40.3	1.35	44 500	44 500	2.0	x	x	x	x	x		
12 B - 2 GL	0.75	19.05	11.68	12.07	5.72	15.62	15.9	19.46	42.2	46.8	1.79	57 800	58 000	2.6	x	x	x	x	x		
16 B - 2 GL	1.00	25.4	17.02	15.88	8.28	25.40	20.5	31.88	68.0	73.4	4.21	106 000	124 000	5.7	x	x	x	x	x	x	
20 B - 2 GL	1.25	31.75	19.56	19.05	10.19	29.00	25.7	36.45	76.9	83.6	5.91	170 000	196 000	8.2	x	x	x			x	
24 B - 2 GL	1.50	38.1	25.40	25.40	14.63	37.90	33.0	48.36	102.2	122.7	11.09	280 000	346 000	15.0	x	x				x	
32 B - 2 GL	2.00	50.8	30.99	29.21	17.81	45.50	41.2	58.55	123.6	132.4	16.21	450 000	525 000	20.8	x	x				x	
16 B - 2 GL24	1.00	25.4	17.02	15.88	8.28	25.40	24.0	31.88	68.0	73.4	4.21	106 000	132 000	6.7	x	x			x		
American Standard																					
60 - 2 GL	0.75	19.05	12.57	11.91	5.94	17.70	17.7	22.78	49.8	54.4	2.10	62 600	63 600	3.4	x	x				x	

* Also available as a Triplex roller chain on request





RexPro™ Roller Chain – Laschenkette (Plate Chain)

High Performance

RexPro Roller Chain Laschenkette (Plate Chain) has a double quantity of movable plate links. This way it combines the benefits of roller chains and leaf chains which makes it a highly robust chain.

Effective lubrication

The easily accessible chain link facilitates better relubrication of the chain, preventing potential corrosion problems in the chain link.

Elimination of bushes

The main feature in the RexPro Roller Chain Laschenkette (Plate Chain) is the elimination of service-life critical bushings and the optimisation of the remaining chain components (doubling the movable plates and stronger pins).

Long service life

RexPro Roller Chains are primarily used for lifting purposes. In practice they have a service life that is 3 to 5 times longer than standard roller chains.

Industries Served:

Steel
Heavy mechanical engineering
Lifting applications

Features

- The design of machine tools facilitates the compression of bearing areas
- Combines the advantages of roller chains and leaf chains
- Reinforced pins and higher breaking strength
- Double quantity of movable plate links
- Reinforced pins with a larger bearing surface and greater resistance to bending
- Insensitive against dust and dirt

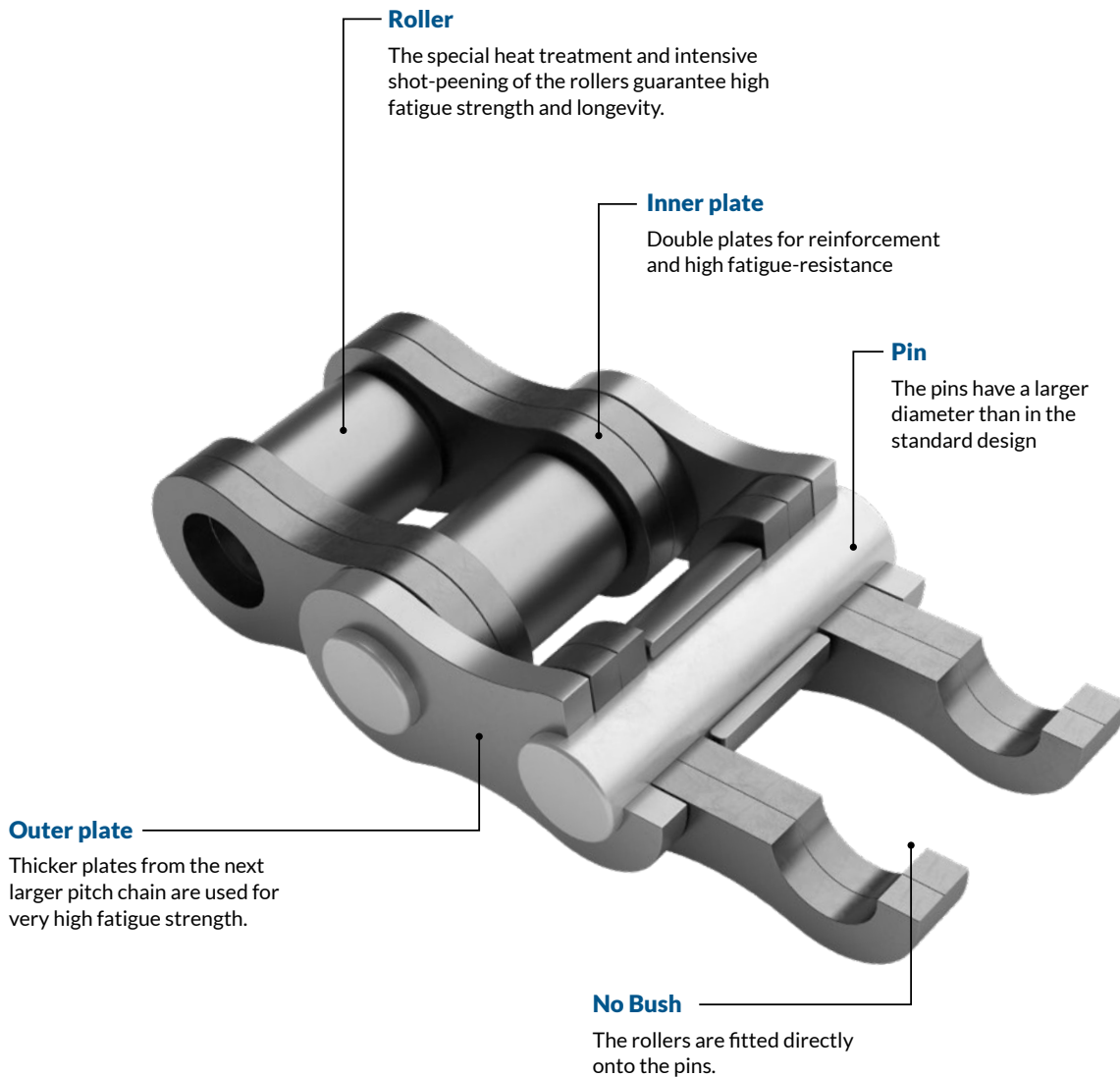
Advantages

- Synchronization of lifting operations possible
- Application of force possible via chain sprocket
- Higher operating reliability and longer service life
- No stiff chain links

Lubrication

- Easy relubrication
- Long-term lubrication
- Operating temperature: - 30° C to + 130° C
(-40 °C to +250 °C possible with alternative lubrication)
- Very good surface adhesion; no dripping oil
- No heavy metals
- More effective lubrication thanks to the shorter distance the lubrication has to travel to the pins
- Corrosion protection (like HiPro) and special lubrications available on request

RexPro™ Roller Chain – Laschenkette (Plate Chain)



Loading capacity

- High loading capacity
- Ideal for heavy-duty drives and lifting purposes
- High impact resistance
- Highest breaking strength



Wear resistance

- Very robust chain
- Long service life
- Excellent protection from wear due to machine tool design



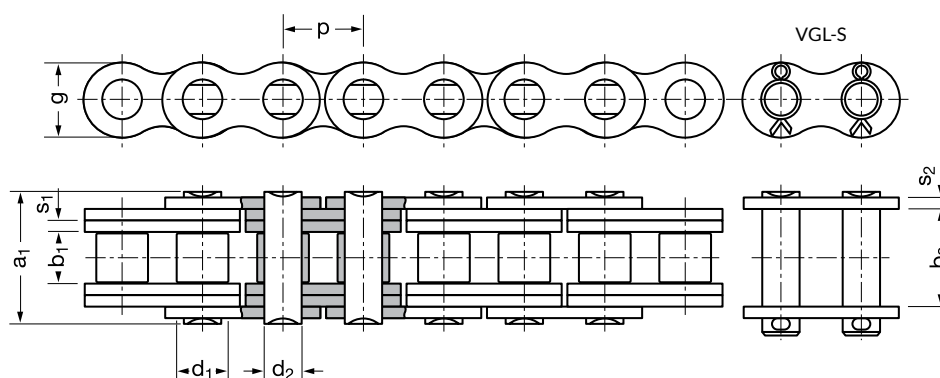
Eco-friendly

- The Rex™ Special Lubrication that is used does not contain any heavy metals, Teflon or silicone
- Environmental management system conforms to DIN EN ISO 14001

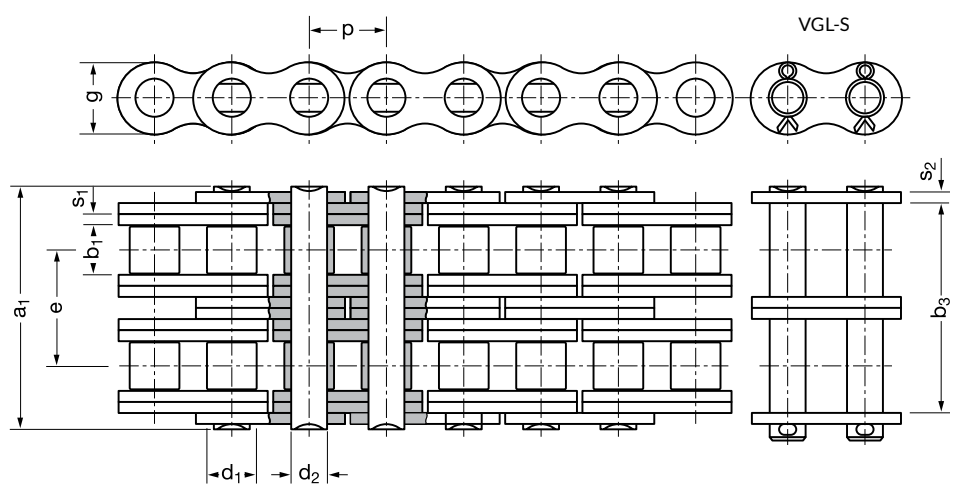


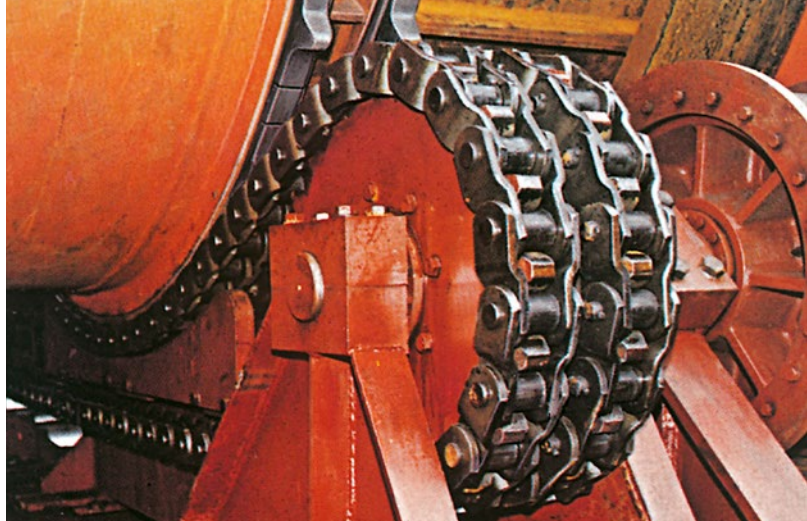
This product meets the requirements of Machine Directive 2006/42/EC

Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Clear width outer link	Plate thickness		Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Rex™ minimum tensile strength	Weight	Loose parts		
	p		b ₁ min	d ₁ max	d ₂ max	b ₃ min	s ₁	s ₂	g	e	a ₁ max	a ₃ max	A	F _B	q			
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	kg/m	A	B	S
50 - 1 S L/A	2.00	50.8	31.55	28.58	20.35	57.50	6.3	6.3	47.8	-	75.5	82.5	5.13	270 000	14.9			x
50 - 1 SH L/A	2.00	50.8	31.55	28.58	20.35	57.50	6.5	8.0	47.8	-	80.0	87.0	5.29	330 000	16.2			x
64 - 1 S L/A	2.50	63.5	38.10	39.38	30.00	77.00	9.5	9.5	59.5	-	104.0	113.0	11.40	530 000	28.0			x
64 - 1 SH L/A	2.50	63.5	38.10	39.38	30.00	77.00	9.5	12.0	59.5	-	110.0	120.0	11.40	670 000	29.8			x
64 - 1 SHS L/A	2.50	63.5	27.60	39.38	30.00	66.80	9.5	12.0	59.5	-	97.0	107.0	11.40	670 000	28.1			x
64 - 1 SHBK L/A	2.50	63.5	38.10	39.38	30.00	71.50	8.0	12.0	59.5	-	103.0	120.0	9.60	670 000	27.6			x



Chain No.	Pitch		Width between inner plates	Roller diameter	Pin diameter	Clear width outer link	Plate thickness		Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Rex™ minimum tensile strength	Weight	Loose parts		
	p		b ₁ min	d ₁ max	d ₂ max	b ₃ min	s ₁	s ₂	g	e	a ₁ max	a ₃ max	A	F _B	q	A	B	S
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm²	N	kg/m			
	50 - 2 SL/A	2.00	50.8	31.55	28.58	20.35	128.0	6.3	6.3	47.8	70.5	146.0	153.0	10.26	540 000	29.6	x	





RexPro™ Roller Chain – Cranked Link Drive Chain

High Performance

Thanks to the offset link design the RexPro Cranked Link Drive Chain is quick and safe to assemble and disassemble. This chain is designed to give you superior performance, even under the most challenging conditions. It is ideal for looped and segmented drives in rotary furnaces and rotary kilns in all kind of industries.

Simple assembly concept

The offset link design allows one link at a time to be taken out or inserted. No special connecting links are required.

Long wear life

The wear life of the chain is directly affected by the hardness and case depth of the wearing components. Partially induction-hardened pins are only additionally heated in the crescent-shaped area that is exposed to wear. The balance of the pin is left in a tough state to withstand shock loading. Chain rollers, sidebars and bushings are all heat treated for wear resistance and strength.

Features

- Very robust
- Pins with protection against pin torsion
- Partially induction-hardened pins for extreme toughness and wear resistance

Rex™ sprockets

Rex Cranked Link Drive Chains perform better over the long term if they run on Rex chain wheels. The sprockets are machined and induction hardened to give hard, deep case depths. Most competitive sprockets have only a fraction of the case depth. Once the case depth is worn through, sprocket wear is rapid and chain interaction is affected, thus causing greater chain stress.

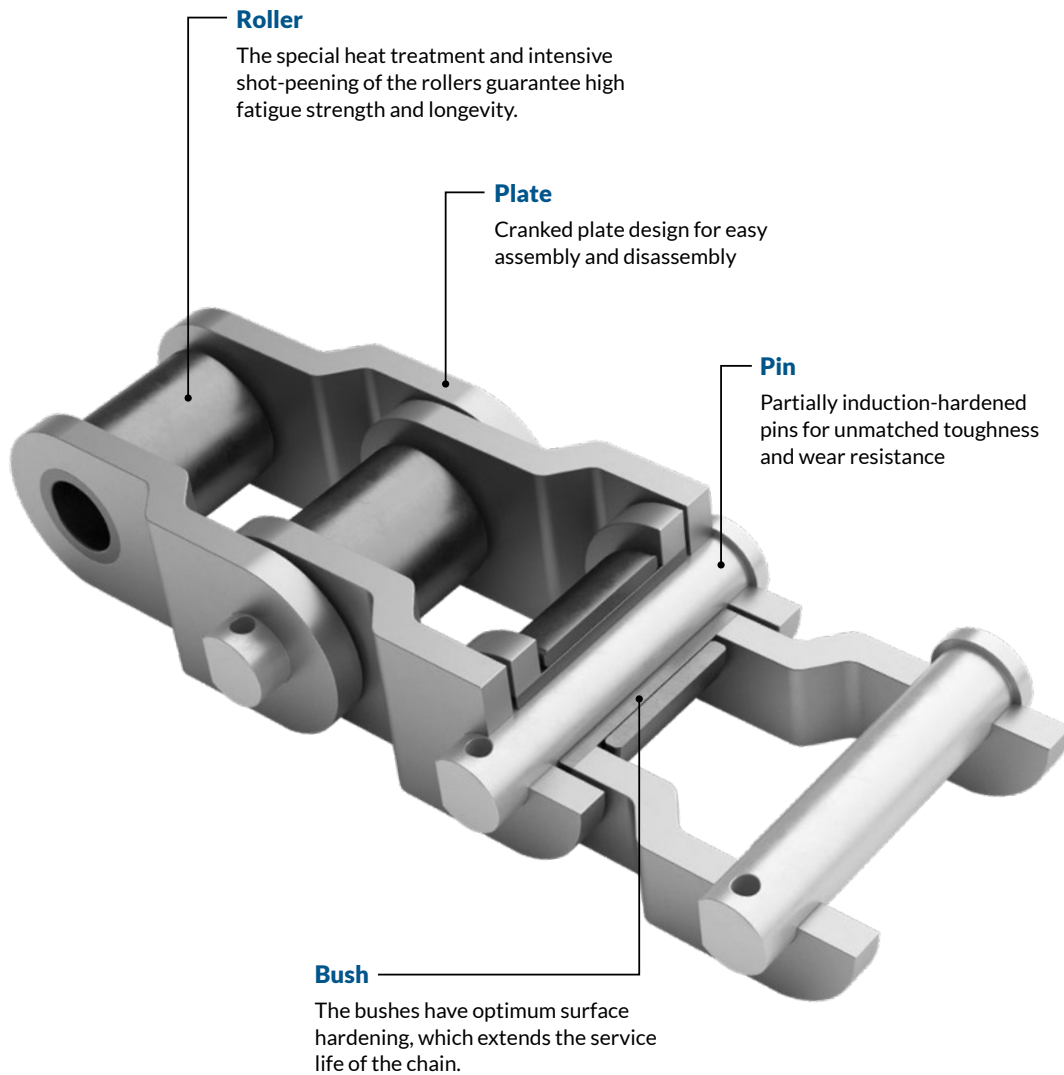
Advantages

- Resistant to high impact loads and adverse ambient conditions
- Easy to dismantle, any pin can be removed
- Low noise
- Efficient power transmission through optimized sprocket and chain design

Industries Served:

Mining & Metals
Asphalt
Amusement parks

RexPro™ Roller Chain – Cranked Link Drive Chain



Loading capacity

- Pins with protection against pin torsion
- State-of-the-art heat treatment of all chain components to assure longer chain life
- Seamless rollers



Wear resistance

- Selectively Induction Hardened (SIH) pins afford you unmatched toughness and wear resistance
- Long service life
- High operating reliability
- Improved wear resistance through heat treatment of the wear parts

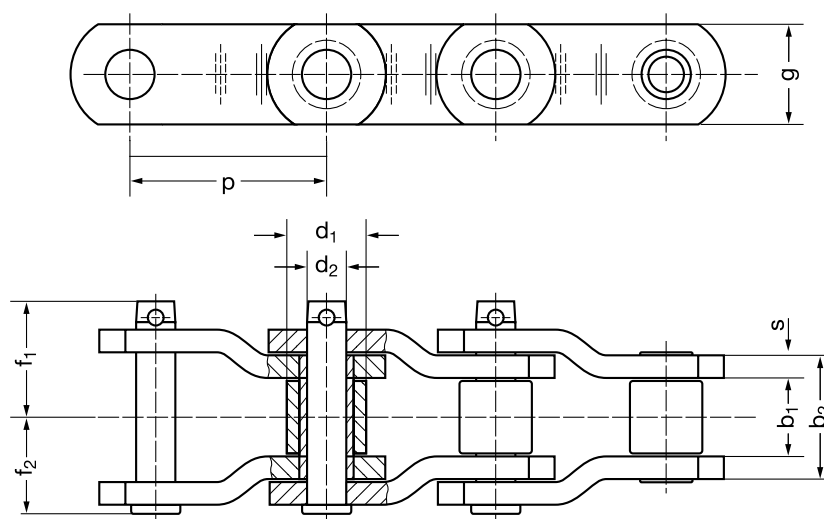


Eco-friendly

- Environmental management system conforms to DIN EN ISO 14001

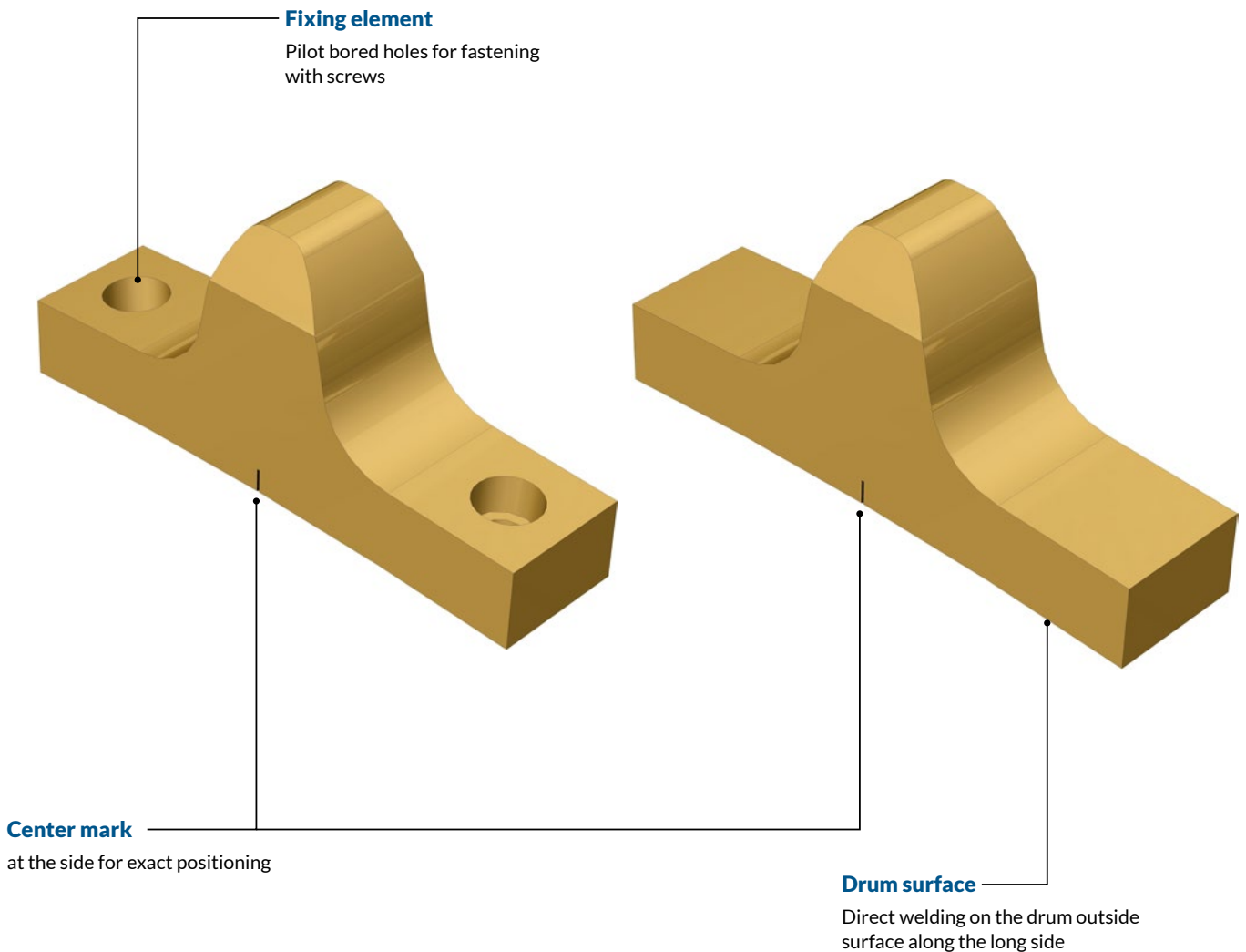
Cranked Link Drive Chain – RexPro™ Roller Chain

Chain No.		Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Plate thickness	Pin length		Bearing area	Rex™ minimum tensile strength	Weight	Type
		p		b ₁ min	d ₁	d ₂	b ₂ max	g	s	f ₁	f ₂	A	F _B	q	
		Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	kg/m	
R1035	Ro 3	3.075	78.1	36.83	32.00	15.75	53.85	41.3	8.0	47.0	41.2	8.48	230 000	11.0	A
R1037		3.075	78.1	36.83	31.75	16.51	57.15	44.5	9.5	49.5	44.7	9.44	270 000	13.9	A
AX1568	Ro 3b	3.067	77.9	38.61	41.27	19.05	58.67	57.2	9.5	52.7	45.9	11.18	360 000	20.2	A
RX238	Ro 3.5	3.50	88.9	36.83	44.45	22.10	62.50	57.2	12.7	62.1	52.3	13.81	400 000	23.9	A
1244	Ro 4	4.063	103.2	48.00	44.45	22.10	74.68	54.0	12.7	67.7	57.9	16.50	400 000	23.4	A
RX1245	Ro 4b	4.073	103.5	47.63	45.23	23.80	77.77	60.3	14.3	71.6	62.7	18.51	560 000	28.3	A
RO635	Ro 4.5	4.50	114.3	50.80	57.15	27.94	80.95	76.2	14.3	71.9	62.4	22.62	740 000	34.4	A
RX1207	Ro 5b	5.00	127.0	68.25	63.50	31.55	101.60	88.9	15.9	83.9	74.8	32.05	990 000	51.2	A
RO1306	Ro 6	6.00	152.4	74.60	76.20	37.90	114.30	101.6	19.1	97.2	85.0	43.32	1 400 000	69.1	A



Type A

Rex™ Segmented Sprocket Wheel System for the Cranked Link Drive Chain



Features

- System consists of individual blocks of teeth
- Tooth base form or tooth blocks without additional fixing elements are adjusted to drum radius
- Required tooth base height is determined by drum diameter, pitch and number of teeth
- Adjusted tooth blocks can be attached directly to the drum surface
- Recommended material for tooth blocks: E355
- Processed outer contour and contact surface
- Intermediate arc components with same height and width dimensions as tooth blocks are available on request
- Intermediate arc components can be used to support the chain

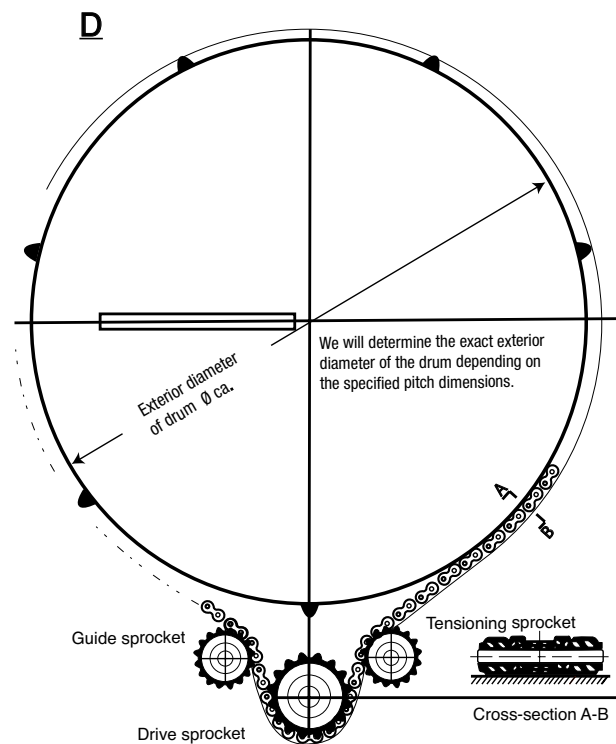
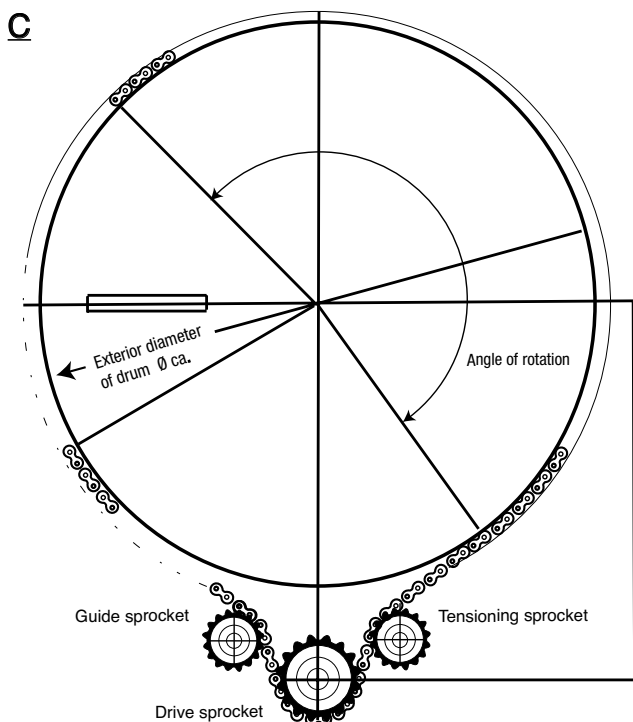
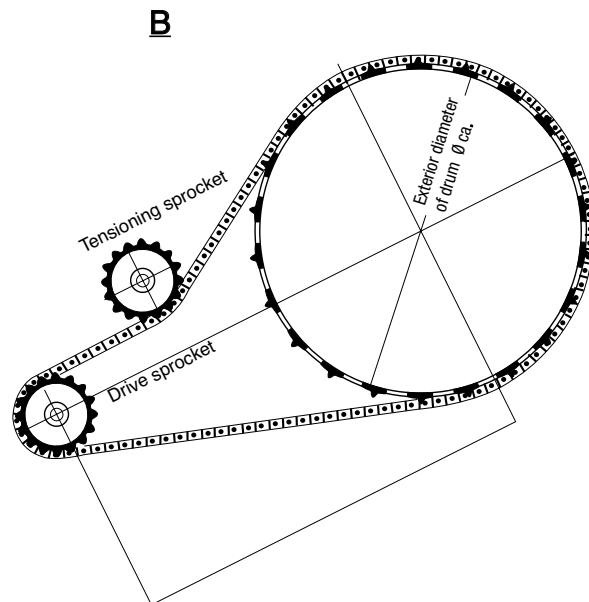
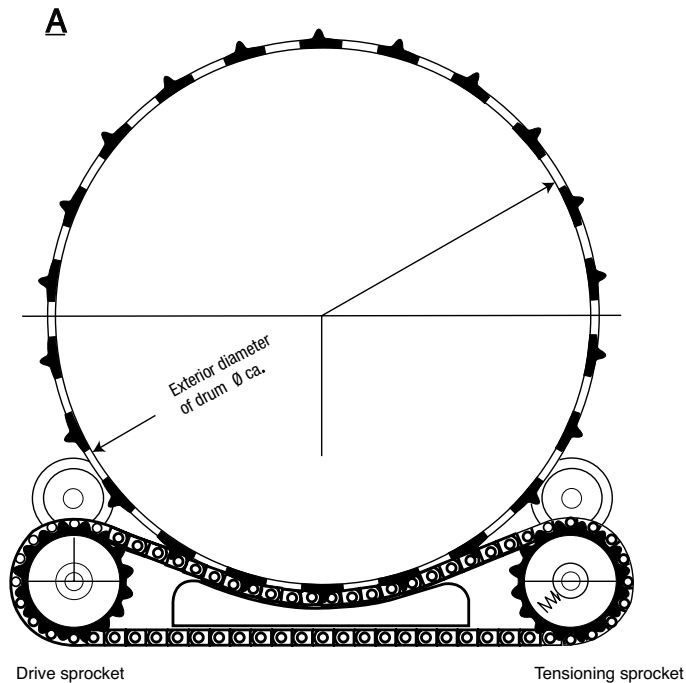
Advantages

- Cheaper than a large solid sprocket wheel
- Large or small tooth block clearances can be selected according to drive type
- Thermal expansion of the drum is respected in the tooth base design
- Special Rex design
- Tooth blocks produced depending on application
- Optimim precision
- Functional reliability

Determination of Drive Type and Dimensions

Please enter your drive layout in the sketch version A, B, C or D as appropriate. However, if your planned drive solution is different from the versions illustrated, please send us a sketch with details of your proposed drive configuration.

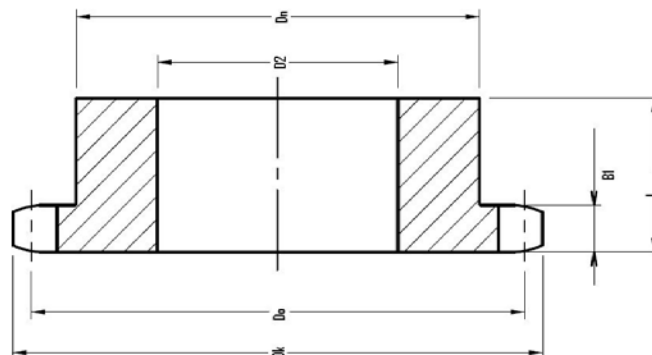
Our experienced design engineers will be pleased to help if you have any technical questions or drive problems requiring solution. Take advantage of our wide experience in the field of drive engineering to ensure that you find the optimum drive configuration for your requirements.

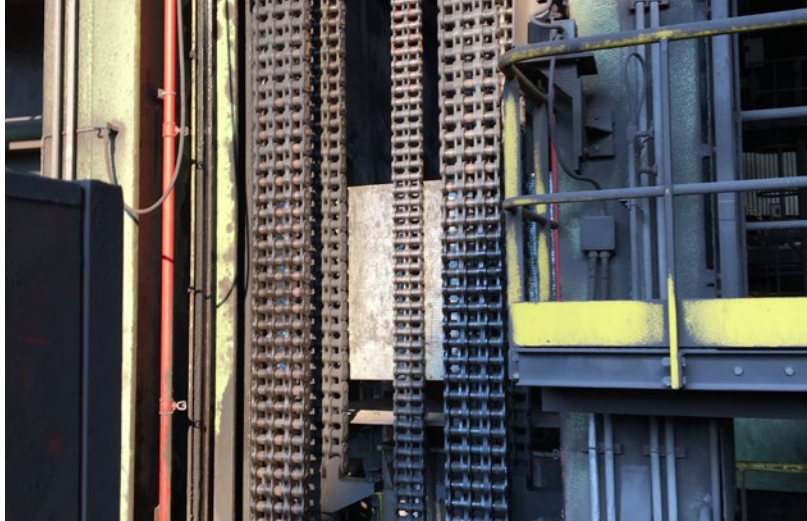


Sprockets for Cranked Link Drive Chain – RexPro™ Roller Chain

Sprockets with a hub on one side for cranked link drive chain	Number of teeth	Pitch circle diameter	Tooth width	Outside diameter	Hub diameter	Pre-bore diameter	Bore size max	Total length	Weight approx.
	Z	d ₀	B ₁	d _K	d ₀	d ₂	d ₂	L	kg
Ro 3b Pitch 77.9 mm	17	423.3	34	469	200	60	110	130	52
	19	473.3	34	520	200	60	110	130	61
	21	522.7	34	571	200	60	110	130	71
	23	572.2	34	622	200	60	110	130	83
	25	621.6	34	673	200	60	110	130	95
Ro 3 / Ro 3c Pitch 78.1 mm	17	425.0	34	469	160	60	90	110	44
	19	474.5	34	520	160	60	90	110	54
	21	524.1	34	571	170	60	95	110	65
	23	573.6	34	622	170	60	95	110	79
	25	623.2	34	673	200	60	110	130	95
Ro 3.5 Pitch 88.9 mm	17	483.8	34	533	200	60	110	130	63
	19	540.2	34	590	200	60	110	130	73
	21	596.5	34	648	200	60	110	130	85
	23	652.9	34	706	200	60	110	130	97
	25	709.3	34	764	200	60	110	130	115
Ro 4 Pitch 103.2 mm	17	561.6	44	616	235	70	130	155	107
	19	627.0	44	684	250	70	140	170	135
	21	692.5	44	751	250	70	140	170	158
	23	758.0	44	818	250	70	140	170	184
	25	823.4	44	884	270	70	150	180	220
Ro 4b Pitch 103.45 mm	17	562.9	44	618	235	70	130	155	108
	19	628.5	44	686	250	70	140	170	136
	21	694.1	44	753	250	70	140	170	159
	23	759.8	44	821	250	70	140	170	185
	25	825.4	44	887	270	70	150	180	221
Ro 4.5 Pitch 114.3 mm	17	622.0	47	685	270	80	150	180	147
	19	694.4	47	758	270	80	150	180	175
	21	766.9	47	830	290	80	160	190	215
	23	839.5	47	905	290	80	160	190	249
	25	912.0	47	977	290	80	160	190	285
Ro 5 b Pitch 127.0 mm	17	691.1	63	760	310	80	170	200	231
	19	771.7	63	840	320	80	180	210	282
	21	852.2	63	920	320	80	180	210	333
	23	932.8	63	1000	320	80	180	210	389
	25	1013.8	63	1080	340	80	190	225	464
Ro 6 Pitch 152.4 mm	17	829.4	69	910	360	90	200	240	370
	19	926.0	69	1005	360	90	200	240	442
	21	1022.6	69	1100	360	90	220	240	510
	23	1119.4	69	1200	360	90	220	240	598
	25	1216.0	69	1297	360	90	220	240	694

Sprockets are supplied with one-sided hub as standard. Symmetrical and asymmetrical versions available on request.
Minimum strength of steel sprockets is 590 N/mm². Tooth hardening on request.





RexPro™ Roller Chain – Marine Diesel Version

High Performance

In the case of marine diesel roller chains, operational safety is the most important factor overall. As a result of extensive research and development, Rex™ has developed a plate design in order to increase the fatigue strength.

Highest reliability

The plate of the inner link is the specific part of a roller chain which determines the fatigue strength and in consequence the operational safety of the complete roller chain. Only an extremely reliable chain can guarantee trouble-free operation over the entire service life.

High fatigue strength

Marine diesel roller chains could also be considered for use on critical drives in industrial applications. They would be particularly advantageous in drives operating at the limits of standard roller chains, as well as those drives requiring high efficiency and reliability, but especially to replace chain drives susceptible to fatigue fractures.

Features

- High-precision adjustability
- Special Rex inner link contour for outstanding fatigue strength
- Optimal operating reliability
- Very good sliding characteristics under high bearing area pressure
- No stick slip effect
- Good emergency running properties

Machine tool version

The special bonderizing provides a maximum pressure absorptive power and at the same time a high level of oil absorption capacity. Under pressure the synthetic lubricants and the bonderized surface is activated and assures an excellent wear resistance. The result is a higher allowable bearing area pressure and longer service lifetime with less or no re-lubrication intervals.

Advantages

- Suitable for use where other roller chains have reached their performance limit
- Long service life
- Very good start-up behavior because of the use of solid lubricants

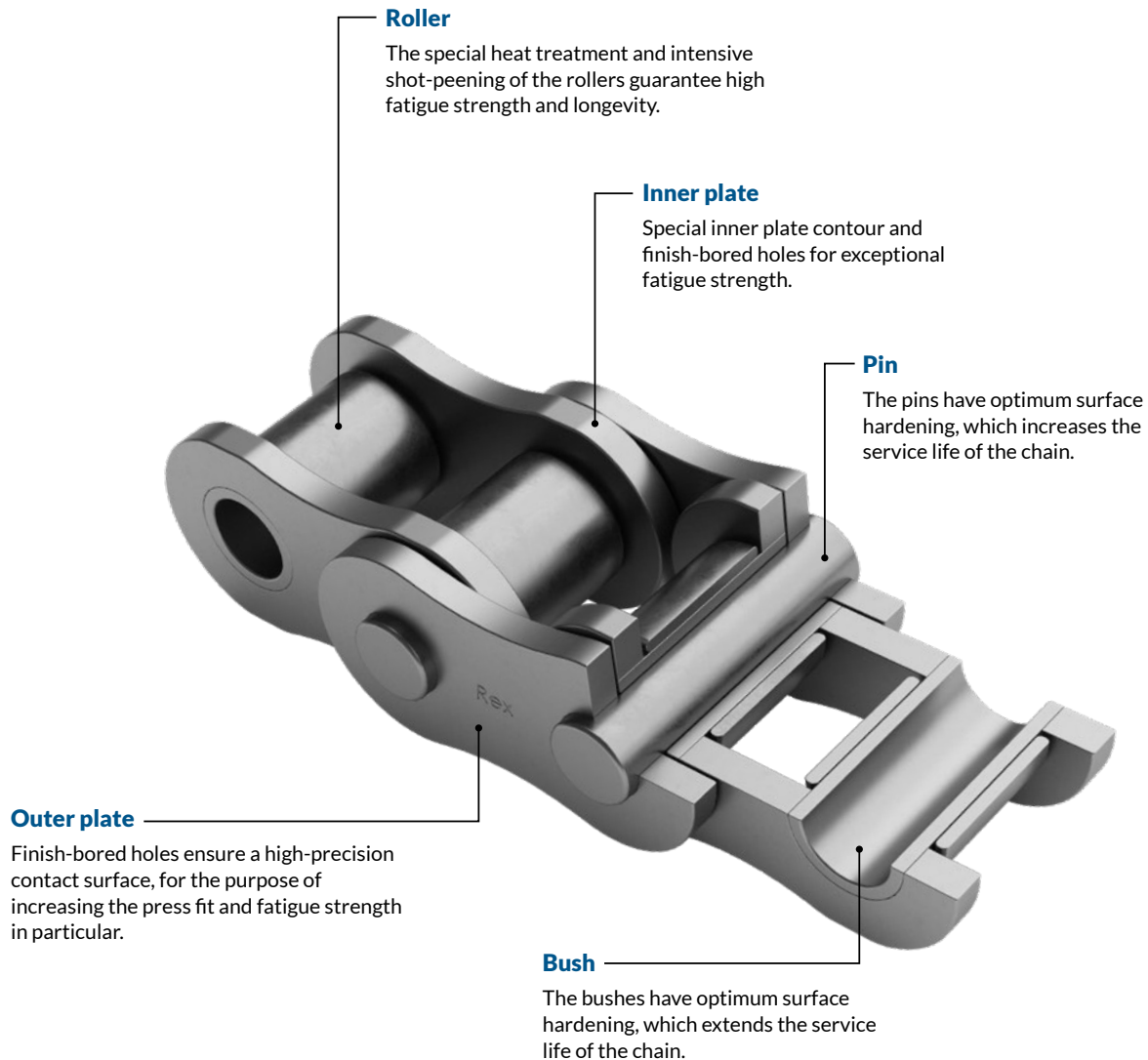
Lubrication

- Long-term lubrication
- Operating temperature: - 15° C to + 75° C (can be extended from - 40° C to + 250° C)
- Very good surface adhesion; no dripping oil
- No heavy metals, Teflon- and silicone-free

Industries Served:

Steel industry
Heavy mechanical engineering
Marine
Steel

RexPro™ Roller Chain – Marine Diesel Version



Loading capacity

- Machined bore holes
- Shot-peened chain links, seamless rollers
- High pre-loading



Wear resistance

- Improved protection against wear
- Excellent protection from wear because of the machine tool design
- Long service life
- High operating reliability

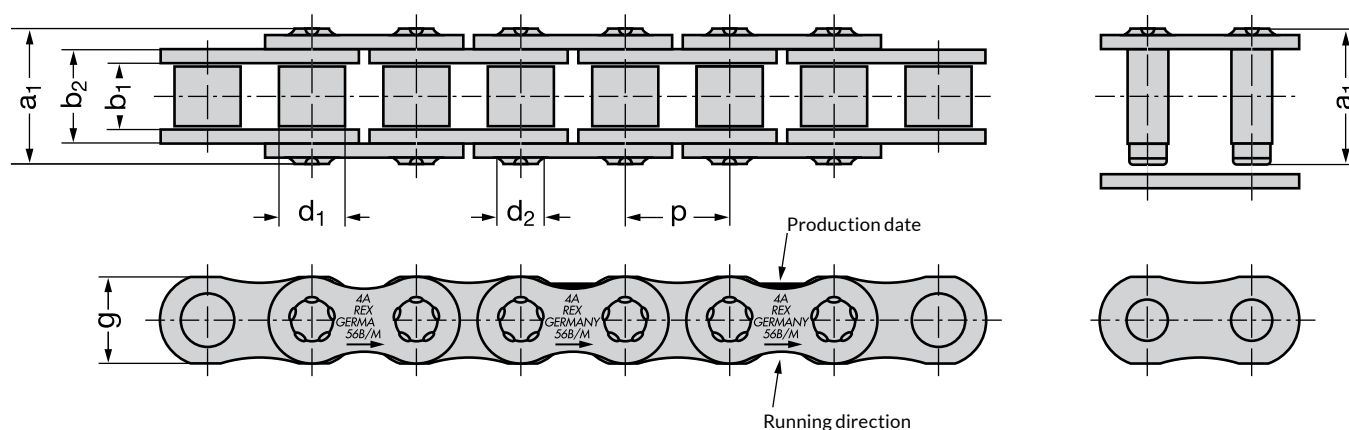


Eco-friendly

- The Rex™ Special Lubrication that is used does not contain any heavy metals, Teflon or silicone
- Environmental management system conforms to DIN EN ISO 14001

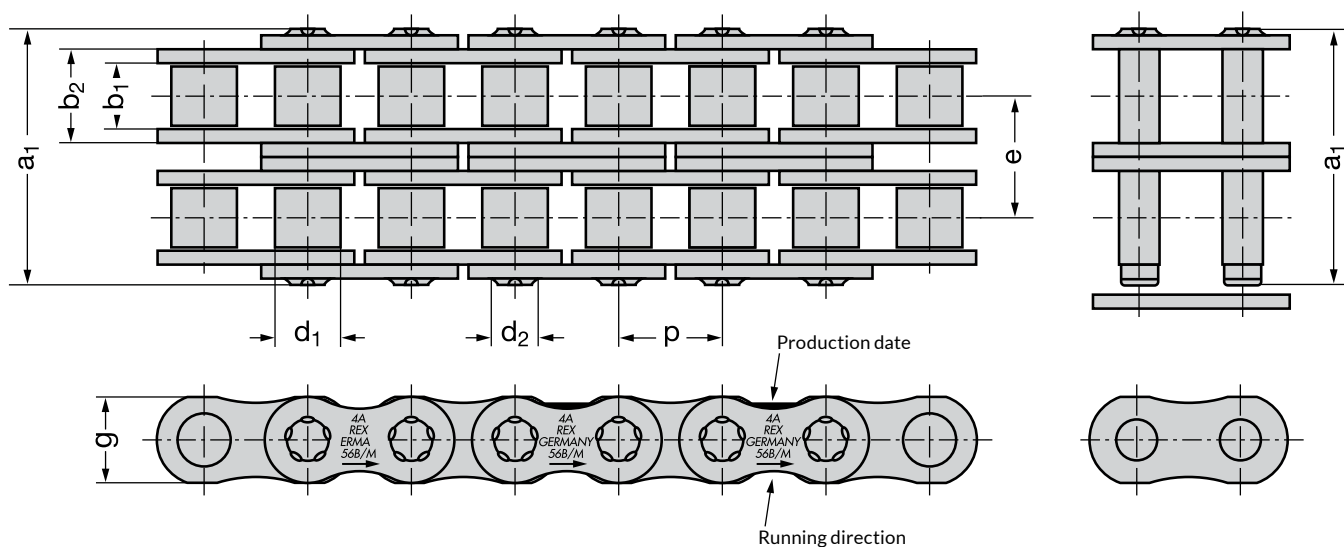
Chain No. *													Loose parts
	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Bearing area	Required minimum tensile strength ISO 606	Weight	
	P												
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	kg/m	
40 B - 1	2.50	63.5	38.10	39.37	22.89	55.70	55.0	-	78.9	12.75	355 000	17.0	x
48 B - 1	3.00	76.2	45.72	48.26	29.24	70.50	65.0	-	98.5	20.61	560 000	26.5	x
56 B - 1	3.50	88.9	53.34	53.98	34.32	81.30	80.0	-	114.6	27.90	850 000	37.0	x
64 B - 1	4.00	101.6	60.96	63.50	39.40	92.00	93.0	-	130.0	36.25	1 120 000	49.0	x
72 B - 1	4.50	114.3	68.58	72.39	44.50	103.80	105.0	-	147.0	46.19	1 400 000	64.0	x

* Marine Diesel Triple Chain also available on request



Chain No. *													
	Pitch		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Transverse pitch	Pin length	Bearing area	Required minimum tensile strength ISO 606	Weight	Loose parts
	p												
	Inch	mm	b ₁ min	d ₁ max	d ₂ max	b ₂ max	g	e	a ₁	A	F _u	q	VGL
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	kg/m	
40 B - 2	2.50	63.5	38.10	39.37	22.89	55.70	55.0	72.29	151.2	12.75	630 000	34.0	x
48 B - 2	3.00	76.2	45.72	48.26	29.24	70.50	65.0	91.21	189.7	20.61	1 000 000	53.0	x
56 B - 2	3.50	88.9	53.34	53.98	34.32	81.30	80.0	106.60	221.2	27.90	1 600 000	74.0	x
64 B - 2	4.00	101.6	60.96	63.50	39.40	92.00	93.0	119.89	250.0	36.25	2 000 000	98.0	x
72 B - 2	4.50	114.3	68.58	72.39	44.50	103.80	105.0	136.27	283.5	46.19	2 500 000	128.0	x

* Marine Diesel Triple Chain also available on request



Notes



RexOil

High Performance Chain Spray

RexOil makes it possible to maintain and relubricate roller chains and leaf chains simply and effectively in a wide range of applications. RexOil makes the lubrication of chains reliable, economical and environmentally friendly. None of the oils and lubricants used by Regal Rexnord contains silicone or Teflon, and all are distinguished by a low environmental impact (in accordance with DIN EN ISO 14001).

Industries Served:

Packaging and logistics
Food and beverages
Machine construction
Wood industry
Agriculture

Effective lubrication

The extended spray head grants better accuracy and increased comfort of use without wasting any grease. With its outstanding penetration and lubrication properties, RexOil delivers an outstanding corrosion protection and very good wear resistance.

The right lubrication

With RexOil, Regal Rexnord offers a long-term lubricant for many applications in an extremely wide range of industries.

Longer lubrication intervals

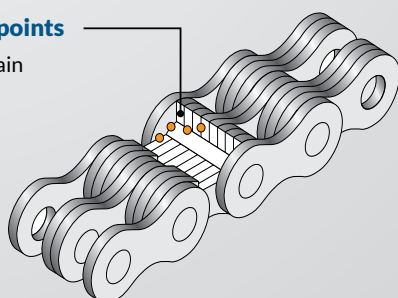
When long-life lubricants are used, relubrication intervals are significantly longer. And in some cases, the use of lubricant waxes or compounds containing solid lubricants means that relubrication can be dispensed with altogether.

Features

- Outstanding penetration and lubrication properties
- Ensures removal of residual lubricant
- Displaces water and moisture
- Suitable for temperature ranges from -10°C to +150°C
- Appropriate lubrication guarantees a significantly longer service life than is the case with an unlubricated chain

Oiling points

Leaf Chain

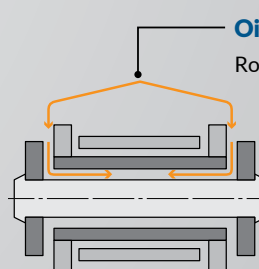


Advantages

- Effective corrosion protection and high oxidation stability
- Extended spray head for easy, comfortable handling
- Lubricant has NSF H2 certification
- Reliable, environmentally friendly, economical

Oil flow

Roller Chain



Relubrication

CORRECT VISCOSITY IS THE KEY

- Lubricating oil must remain fluid at all ambient temperatures
- Ideal viscosity is from SAE 20 to SAE 50 or 46 to 220 ISO VG at + 40°C
- RexOil is strongly adherent and remains fluid even after application. It has special tribological characteristics.
- The Rex™ high-performance chain spray "RexOil" is suitable for highly loaded chain drives and lifting chains, including those running at high speed.

PREMATURE CHAIN FAILURE OR WEAR CAUSED BY INSUFFICIENT MAINTENANCE

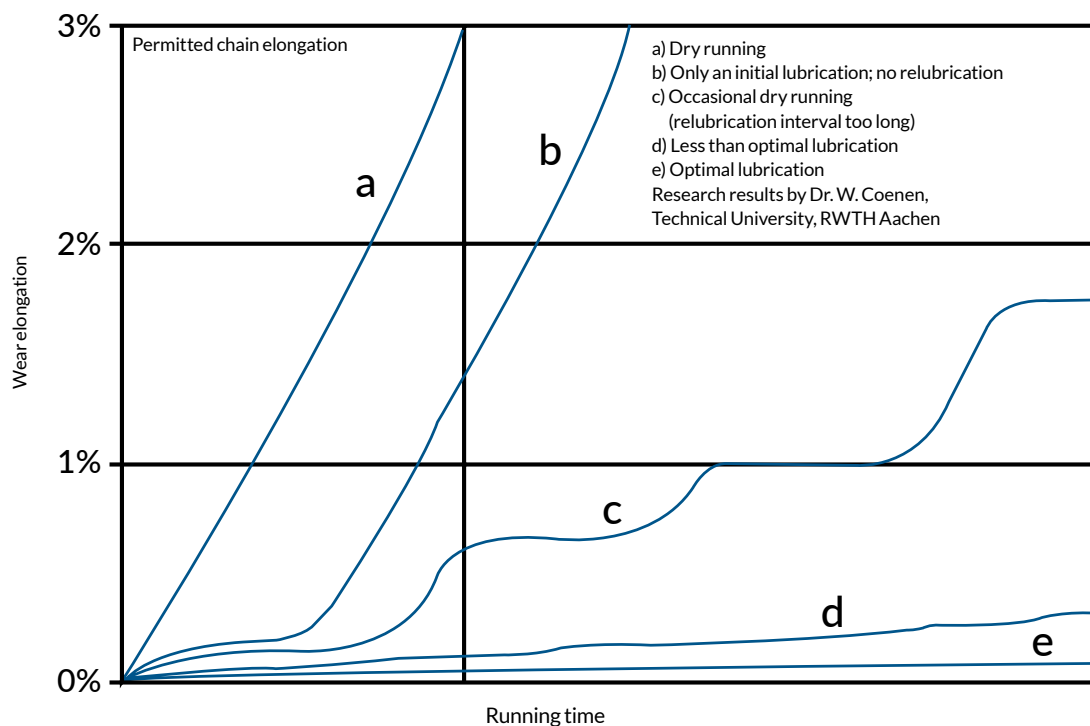
- In the short term, inadequate lubrication and high loading result in corrosion problems in the chain link
- Chain links become stiff and the press fits between the pins and the link plate are destroyed, i.e., the inner link rotates the pin in the press fit of the outer link.
- The result: premature chain failure

THE DECISION IN FAVOUR OF A 60-FOLD, 12-FOLD OR MERELY INADEQUATE WEAR LIFETIME RESTS ENTIRELY WITH YOU!

LUBRICATION ERRORS

- Good lubrication is a decisive factor in regard to a chain's wear lifetime
- Statistics show that about 60% of all chain faults are a result of incorrect lubrication
- Chain lubricants in aerosol cans contain a solvent that leaves behind a slimy oil film with an inadequate lubricating effect when there is improper removal of contaminants.

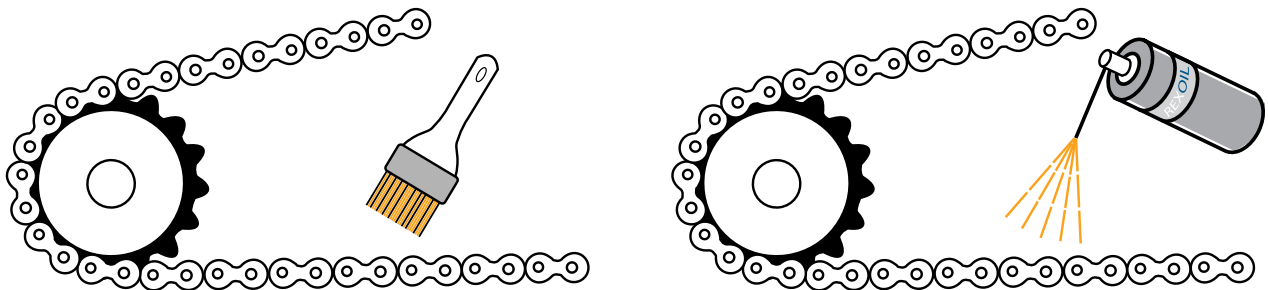
GOOD LUBRICATION PROLONGS CHAIN LIFESPAN:



Relubrication Methods

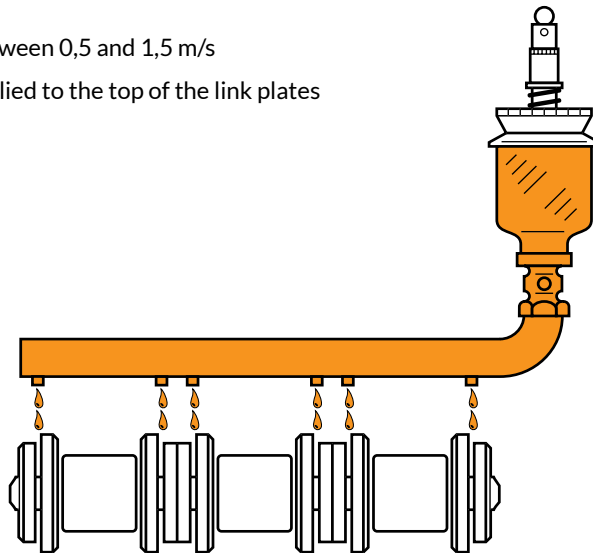
MANUAL LUBRICATION

- For chain speeds up to approximately 0,5 m/s
- Apply oil with brush, oil can or aerosol can
- Use free-flowing lubricant e.g. RexOil



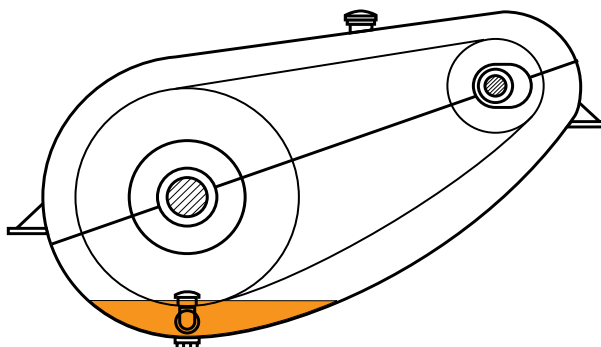
DRIP LUBRICATION

- For chain speeds between 0,5 and 1,5 m/s
- Lubricant is only applied to the top of the link plates



OIL BATH LUBRICATION

- For chain speeds between 1,5 and 8 m/s
- Fit an oil splasher disc next to the sprocket for speeds between 4 and 8 m/s
- To prevent formation of foam, make sure that the chain sprocket and chain are not dipped too deeply into the oil.

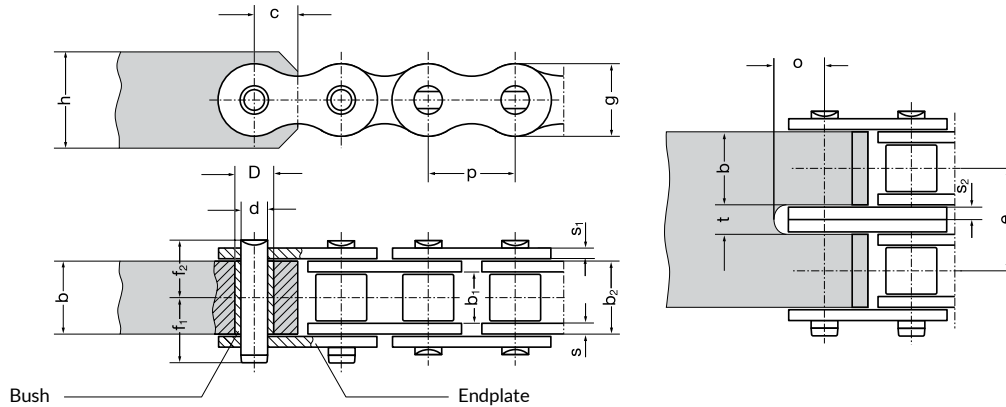


Rex™ Ex-Works Lubricant

Identification	Viscosity	Flash Point	Temperature Range	Food-stuffs	Uses	Special Features	Particular Advantages
VSK001 (L01) RexPro™ lubricant	178 (40° C)	> 210° C	- 30° C to 130° C	NSF H2	Lubrication and preservation of roller and leaf chains	WGK 2	• Very good corrosion protection • Long service life and high reliability • Good adhesion • NSF H2 certification
VSK005 (L05) Corrosion protection oil	3 (40° C)	> 56° C	- 10° C to 40° C	no	Special anti- corrosion agent for chains in storage		• Good corrosion protection • Displaces moisture • Unproblematic relubrication with other media possible
VSK006 (L06) Long-life lubricant	7500 (40° C)	> 200° C	0° C to 120° C	no	For exposed drive chains and lifting chains running at low to high speeds, papermaking-, packaging-, wood processing machines and industrial handlers		• Also suitable for high-speed applications • Long-term lubrication • Good adhesion • Very good wear resistance
VSK008 (L08) High- and low-temperature lubricant	350 (40° C)	> 250° C	- 30° C to 400° C	no	Especially suited for drying kilns		• Drip-resistant • Good wear resistance • Transition to dry lubrication at temperatures above 180° C
VSK010 (L10) Long-life lubricant	—	> 250° C	- 15° C to 75° C	no	Drive chains and lifting chains in industrial handling equipment and toolmaking machines	Synthetic solid lubricants, high pressure resistance	• Good wear resistance • Good emergency operation characteristics due to solid lubricants • Long-term lubrication • Drip-resistant
VSK012 (L12) High- and low-temperature lubricant	105 (40° C)	> 200° C	- 40° C to 220° C	no	Good wear resistance and good emergency running characteristics in high-temperature applications. Suitable for lubrication of chains subject to high temperatures (conveyor systems, furnaces) and refrigerated warehouses.	Solid lubricants	• Good wear resistance • Special solid lubricants with good emergency operation characteristics in emergencies • Fully synthetic
VSK015 (L15) High-temperature lubricant	220 (40° C)	> 273° C	- 5° C to 250° C	no	High temperature chain oil for transport and conveyor chains in the automotive industry	Compatible with cathodic immersion paint systems	• Low lubricant consumption • Good wear resistance • Minimal residue formation • Very good resistance to oxidation and aging
VSK016 (L16) Food-grade lubricant	1500 (40° C)	> 200° C	- 25° C to 120° C	NSF H1	Food and pharmaceutical industry	Synthetic oil	• Food-grade lubricant with NSF H1 certification • Aging and oxidation stability
VSK018 (L18) Food-grade wax lubricant	1500 (40° C)	> 200° C	- 40° C to 120° C	NSF H1	Long-life and lifelong lubrication of all types of sliding surfaces with mainly mixed friction	Also for dusty environments	• Non-drip • Non-slip surface • Wax-like structure • Food-grade lubricant with NSF H1 certification • Long-life product • Good wear resistance • Good corrosion protection
VSK020 (L20) Food-grade lubricant	32 (40° C)	> 200° C	- 35° C to 120° C	NSF H1	Food and beverage industry	Excellent for chains running in guide rails Thin lubricant film	• Food-grade lubricant with NSF H1 certification • Aging and oxidation stability

Identification	Advantages
VSK001 (L01)	RexPro™ lubricant – increased corrosion protection Significantly improved corrosion protection and very good wear resistance properties. Consistent film thickness also reduces the danger of excessive lubrication. Low environmental impact that complies with the strict standards required by the Environmental Management Certificate in accordance with DIN EN ISO 14001 and the environmental standards of leading market manufacturers. RexPro is suitable for food industry applications where direct contact with the products must be prevented. RexPro is registered in the NSF category H2 and suitable for use in the electrical and electronics industry. RexPro is ROHS compliant and drip-proof at ambient temperatures up to + 50° C. Can be used at temperatures between approx. - 30° C and + 130° C.
VSK005 (L05)	Corrosion protection oil (not a lubricant) Water-repellent corrosion protection agent for chains in storage. Can be removed with alkaline degreasing solutions. The application temperature ranges from approximately -10° C to +40° C. Relubrication with other media is also possible and does not cause any problems.
VSK006 (L06)	Long-life lubricant This "long-life" product is particularly well suited for high-speed applications, such as packaging machines, wood processing machinery and conveyor systems. The product is a special lubricant made from mineral oil, with a viscosity and appearance similar to honey. VSK006 contains special adhesion additives, which can significantly reduce or eliminate the risk that the material being transported could be contaminated by oil dripped or sprayed from chains running at high speed. It provides good protection against wear and corrosion. VSK006 can be used at temperatures ranging from approx. 0° C to + 120° C.
VSK008 (L08)	High- and low-temperature lubricant This lubricant contains a combination of solid lubricants. After liquid substances evaporate at temperatures above +180° C, the solid lubricants form a dry lubricant film that can still have a lubricating effect up to +400° C. Service temperature from -30° C to +180° C, lubricating effect up to +400° C (dry lubrication),
VSK010 (L10)	Long-term lubricant A light-coloured, highly adhesive, solvent-free lubricant with very good creep capacity. Its thixotropic properties ensure that the lubricant film retains a hard, wax-like consistency when there is no movement, providing reliable protection against corrosion. During movement, the lubricant rapidly transitions into a liquid state, thereby facilitating good creep behavior.
VSK012 (L12)	High- and low-temperature lubricant This product is suitable for the temperature range - 40° C to + 220° C. On the one hand it is used on chains that operate in temperatures below 0° C – on lifting devices in refrigerated warehouses, for example, and machines operating in outdoor conditions. On the other hand, it is also used in high-temperature ranges, for example on chains that are operated in ovens and drying facilities. This thermally stable synthetic oil contains special solid lubricants with emergency operation characteristics.
VSK015 (L15)	High-temperature lubricant This lubricant is suitable for high-temperature applications up to + 250° C and is used for lubricating conveyor chains and oven chains in cathodic immersion painting. It is also suitable for all other applications in car body painting and similar applications. The new type of ester base oil offers better resistance to aging, and any residues are dissolved by relubrication with fresh oil. Because so little residue is deposited, maintenance and repair expenses are reduced.
VSK016 (L16)	Food-grade lubricant This lubricant, which was specially formulated for the food industry, is suitable for temperatures ranging from approx. - 25° C to +120° C. It exhibits good wear protection and EP characteristics, as well as good performance in cold conditions. Along with corrosion protection it also offers good aging resistance and oxidation stability. The components of this product are compliant with the requirements of the „Guidelines of Sec. 21 CFR 178.3570“ of FDA regulations“ and have NSF H1 certification.
VSK018 (L18)	Food-grade wax lubricant Product VSK018 is suitable for use in a dusty environment, such as in packaging, paper or textile machines, and in applications in the food industry. The wax-like product has NSF H1 certification and can be used everywhere where there is occasional, technically unavoidable contact with foodstuffs. The wax is also provides good corrosion protection. When tested in an alternating condensation climate (DIN 50017 KFW), the condensation rate was 0 after 30 cycles (= 720 hr). This corresponds to the performance of high-quality rustproofing agents. It also provides protection against friction, wear and tribo corrosion (fretting corrosion).
VSK020 (L20)	Food-grade lubricant This lubricating oil, which is also NSF H1-registered, is used in the food and beverage industry. It is particularly suitable for temperatures from approx. - 35° C to + 120° C and for chains running in guide rails. Additional features are good wear resistance, as well as resistance to aging and oxidation stability.

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-term 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

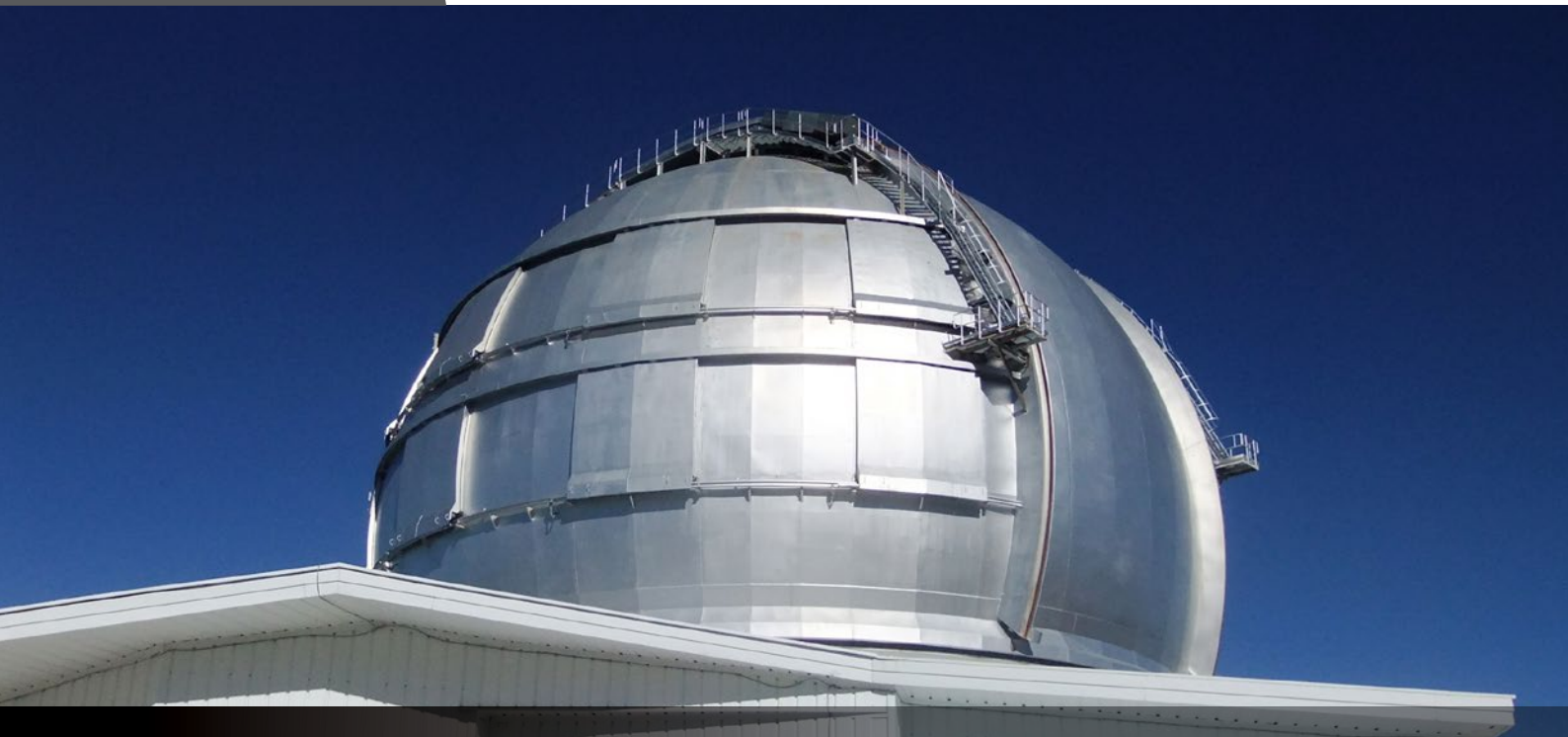


Wear resistance



Eco-friendly

PRODUCT CATALOG



Rex™

Motion Control Solutions Regal Rexnord

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The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>. To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale> (which may redirect to other website locations based on product family).

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