



High Performance from Rexnord

Roller chains | HE-Series | American Type

REXNORD

  **RexPro**
RexPro lubrication
improved wear resistance
high fatigue resistance

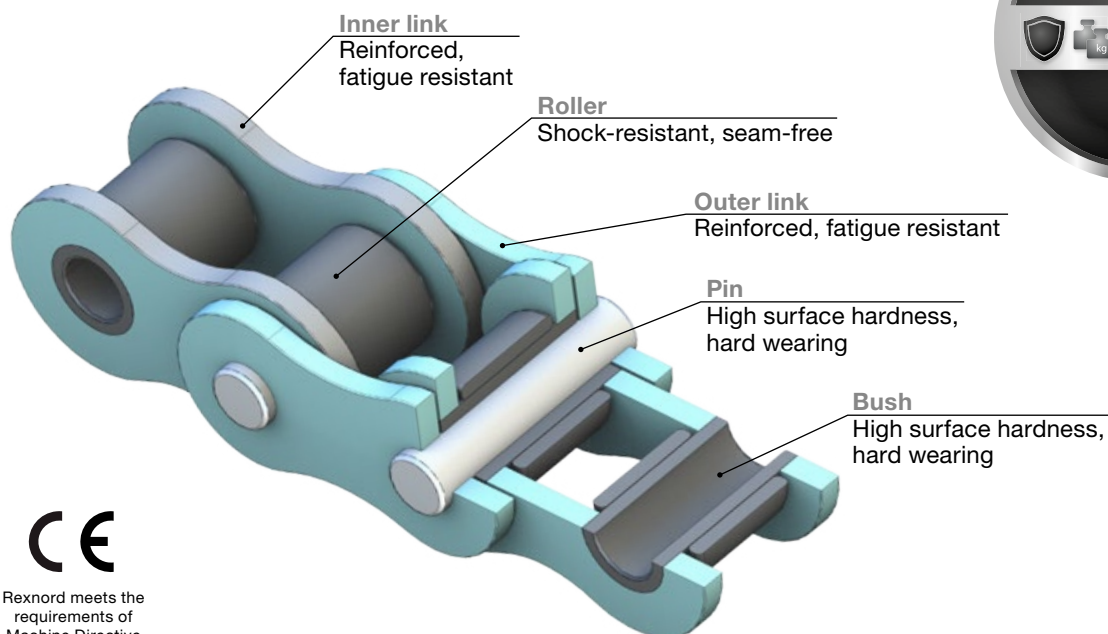


**Highly
robust**

through reinforced
link plates and pins

HE-Series - American type

High Performance from Rexnord.



APPLICATIONS

- Drilling rigs
- Machinery for road excavation & construction
- Agriculture and forestry

CHARACTERISTICS

- Fulfills the stringent demands set by the excellent RexPro standards
- Enlarged bearing area
- Higher breaking strength
- 40% higher fatigue resistance (loading capacity)
- Compatible with European type

ADVANTAGES

- For high-performance power transmission
- Very high impact strength
- Very robust, even under the toughest conditions
- Optional additional wear resistance through induction hardening

LUBRICATION

- RexPro lubrication without heavy metals for improved protection
- Operating temperature: -30°C to +130°C (can be extended from -40°C to + 250°C)
- Very good surface adhesion; remains drip resistant even at high temperatures
- No heavy metals; Teflon- and silicone-free

RexPro - High performance from Rexnord



Excellent Corrosion Protection

- 8 - 10 times better than the best competitors
- More than 100 % better in the buckling test
- Highly versatile, also suitable for aggressive environments



Improved Wear Resistance

- 8 - 12 % improvement in comparison to predecessor
- Great protection through RexPro lubrication
- Long working life
- High operating reliability



High Fatigue Resistance

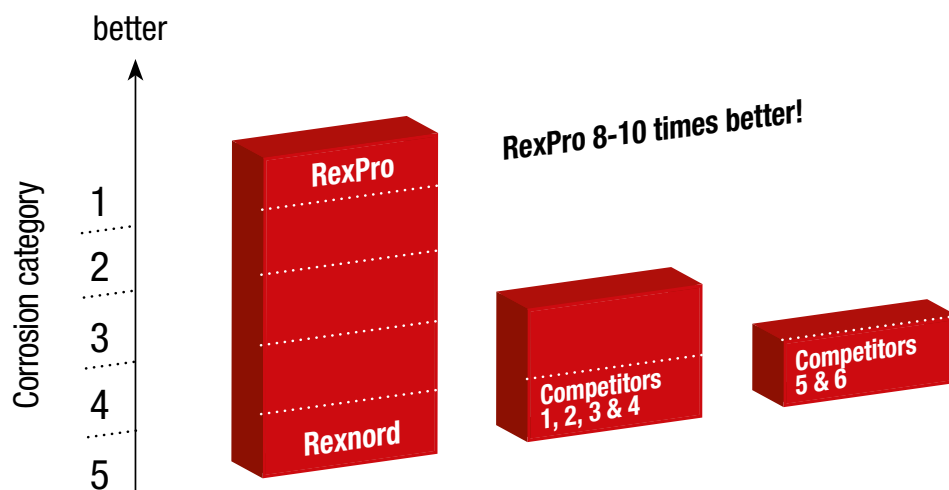
- Ball-drifted plate holes
- Shot-peened chain links, seam-free rollers
- High pre-loading



Eco friendly

- Through RexPro lubrication
- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001

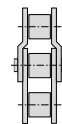
Salt spray test in accordance with DIN EN ISO 9227



Rexnord meets the requirements of Machine Directive 2006/42/EC

HE - Series - American type

High Performance from Rexnord.



Simplex roller chains



Rexnord meets the requirements of Machine Directive 2006/42/EC



Applications & Characteristics

- For heavy-duty drives and lifting purposes
- High loading capacity
- High impact strength
- Highest breaking strength



Maintenance & Service life

- Very robust
- Long service life



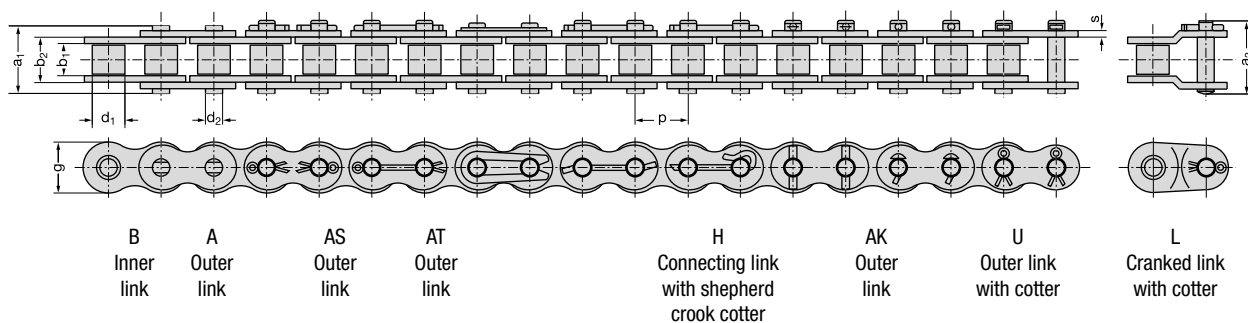
Eco friendly

- Through RexPro lubrication
- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001

Simplex roller chains, DIN ISO 606

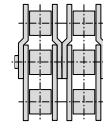
Heavy Series with increased fatigue resistance (thicker plates) and higher breaking strength

Chain No.	Pitch p		Width between inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Components											
	inch	mm	b ₁ min	d ₁ max	d ₂ max	b ₂ max	s	g	e	a ₁ max	a ₃ max	A	F _U	F _B	q	A	B	AK	AS	AT	H	L	S	U			
60 HE - 1	0.75	19.05	12.57	11.91	5.94	19.35	3.05	17.7	–	28.8	32.0	1.15	42 000	56 000	2.0	x	x						x				
80 HE - 1	1.00	25.4	15.75	15.88	7.92	24.30	4.0	23.3	–	35.9	41.0	1.94	75 600	96 000	3.2	x	x						x				
100 HE - 1	1.25	31.75	18.90	19.05	9.53	29.00	4.7	29.2	–	42.8	48.2	2.76	113 400	138 000	4.4	x	x						x				
120 HE - 1	1.50	38.1	25.22	22.23	11.10	37.00	5.5	34.4	–	53.0	59.0	4.10	155 700	200 000	6.4	x	x						x				
140 HE - 1	1.75	44.45	25.22	25.40	12.70	38.70	6.3	40.8	–	56.6	62.6	4.94	209 100	250 000	8.3	x	x			x			x	x			
160 HE - 1	2.00	50.8	31.55	28.58	14.27	46.90	7.0	47.8	–	67.2	72.3	6.69	266 900	325 000	11.8	x	x			x			x	x			
200 HE - 1	2.50	63.5	37.85	39.68	19.84	57.60	9.5	60.0	–	84.0	93.5	11.4	405 000	580 000	20.0	x	x			x			x	x			



HE - Series - American type

High Performance from Rexnord.



Duplex roller chains



Applications & Characteristics

- For heavy-duty drives and lifting purposes
- High loading capacity
- High impact strength
- Highest breaking strength



Maintenance & Service life

- Very robust
- Long service life



Eco friendly

- Through RexPro lubrication
- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001

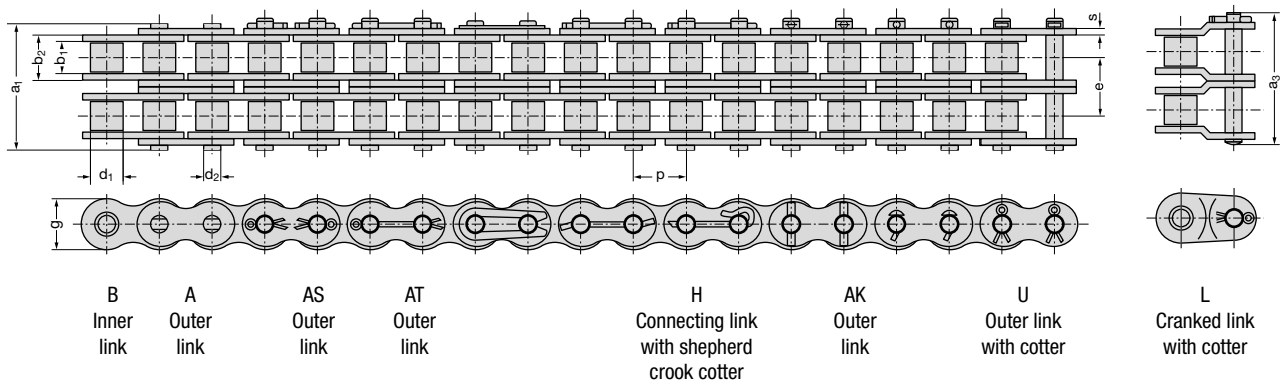


Rexnord meets the requirements of Machine Directive 2006/42/EC

Duplex roller chains, DIN ISO 606

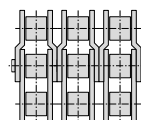
Heavy Series with increased fatigue resistance (thicker plates) and higher breaking strength

Chain No.	Pitch		Width beetween inner plates	Roller diameter	Pin diameter	Width over inner link	Plate depth	Plate depth	Transverse pitch	Pin length	Connecting pin length	Bearing area	Required minimum tensile strength DIN/ISO	Average tensile strength	Weight	Loose parts											
	p	b ₁ min	d ₁ max	d ₂ max	b ₂ max	s	g	e	a ₁ max	a ₃ max	A	F _U	F _B	q	A	B	AK	AS	AT	H	L	S	U				
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	N	kg/m												
80 HE - 2	1.00	25.4	15.75	15.88	7.92	24.3	4.0	23.5	32.60	68.6	73.7	3.88	151 200	192 000	5.3	x	x					x					
100 HE - 2	1.25	31.75	18.90	19.05	9.53	29.0	4.7	29.2	39.12	82.0	87.8	5.52	226 800	276 000	9.0	x	x					x					
120 HE - 2	1.50	38.1	25.22	22.23	11.10	37.0	5.5	34.4	48.91	101.8	109.5	8.36	311 400	400 000	12.6	x	x					x					
140 HE - 2	1.75	44.45	25.22	25.40	12.70	38.7	6.3	40.8	52.20	108.7	116.0	9.82	418 200	500 000	15.8	x	x	x				x	x				
160 HE - 2	2.00	50.8	31.55	28.58	14.27	46.9	7.0	47.8	61.89	128.6	136.8	13.4	533 800	650 000	22.0	x	x	x				x	x				
200 HE - 2	2.50	63.5	37.85	39.68	19.84	57.6	9.5	60.0	78.30	161.6	171.2	22.8	810 000	860 000	39.0	x	x		x			x	x				



HE - Series - American type

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Triplex roller chains



Rexnord meets the requirements of Machine Directive 2006/42/EC



Applications & Characteristics

- For heavy-duty drives and lifting purposes
- High loading capacity
- High impact strength
- Highest breaking strength



Maintenance & Service life

- Very robust
- Long service life



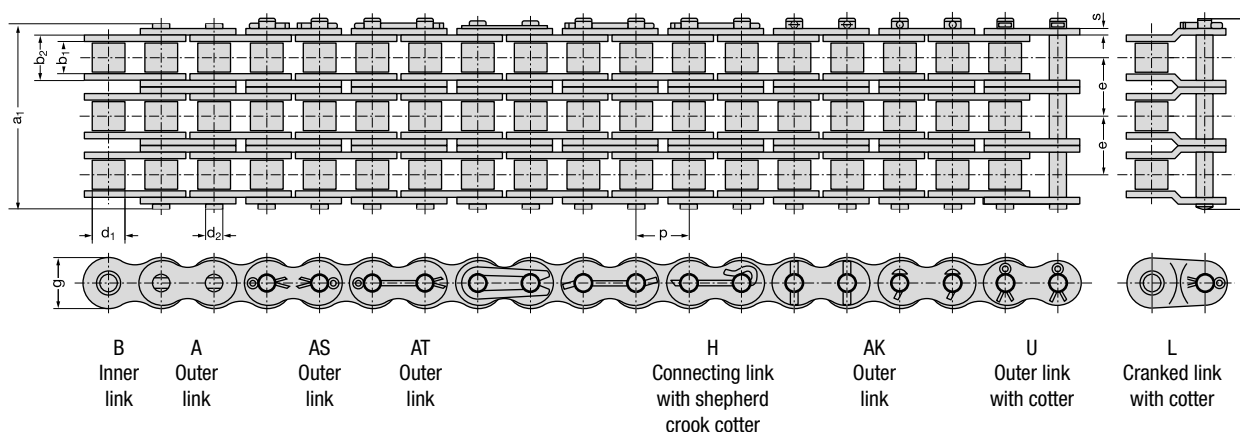
Eco friendly

- Through RexPro lubrication
- No heavy metals; Teflon- and silicone-free
- Environmental management system conforms to DIN EN ISO 14001

Triplex roller chains, DIN ISO 606

Heavy Series with increased fatigue resistance (thicker plates) and higher breaking strength

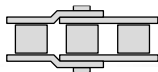
Chain No.	Pitch p		Width between inner plates b ₁ min	Roller diameter d ₁ max	Pin diameter d ₂ max	Width over inner link b ₂ max	Plate depth s	Plate depth g	Transverse pitch e	Pin length a ₁ max	Connecting pin length a ₃ max	Bearing area A	Required minimum tensile strength DIN/ISO F _U	Average tensile strength F _B	Weight q	Components											
	Inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	cm ²	N	N	kg/m	A	B	AK	AS	AT	H	L	S	U		
80 HE - 3	1.00	25.4	15.75	15.88	7.92	24.3	4.0	23.5	32.60	101.2	106.3	5.82	226 800	288 000	9.6	x	x							x			
100 HE - 3	1.25	31.75	18.90	19.05	9.53	29.0	4.7	29.2	39.12	120.0	126.6	8.30	340 200	414 600	13.4	x	x							x			
120 HE - 3	1.50	38.1	25.22	22.23	11.10	37.0	5.5	34.4	48.91	150.8	158.7	12.3	467 100	600 000	18.5	x	x							x			
140 HE - 3	1.75	44.45	25.22	25.40	12.70	38.7	6.3	40.8	52.20	160.9	168.3	14.3	627 300	750 000	24.7	x	x	x						x	x		
160 HE - 3	2.00	50.8	31.55	28.58	14.27	46.9	7.0	47.8	61.89	198.0	198.7	20.1	800 700	975 000	29.4	x	x	x						x	x		
200 HE - 3	2.50	63.5	37.85	39.68	19.84	57.6	9.5	60.0	78.30	239.1	248.7	34.3	1215 000	1 500 000	58.0	x	x			x				x	x		





Overview Rexnord roller chains

Roller Chains



RexPro
RexPro lubrication
improved wear resistance
high fatigue resistance

- Outstanding protection against corrosion and wear
- Unique protection against chain joint stiffness
- Extremely eco-friendly

RexAthletic
good loading capacity
extended lubrication intervals

- Durable and low-maintenance
- Longer servicing intervals
- High loading capacity

RexCarbon
no lubrication
low noise

- Maintenance-free
- Low noise
- Eco-friendly

RexPlus
excellent corrosion resistance
high reliability

- Excellent resistance to rust and acids
- Highly reliable
- Fulfills hygiene requirements
- NSF H1 certification

RexPlusCarbon
no lubrication
excellent corrosion resistance

- Combination of RexPlus and RexCarbon
- Excellent resistance to rust and acids
- Maintenance-free
- NSF H1 certification

RexHiPro
good corrosion resistance
excellent loading capacity

- Outstanding corrosion resistance
- Long service life
- High loading capacity

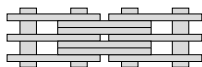
Link-Belt
a brand of
REXNORD

- The optimum choice for light and medium duty
- Good cost-benefit ratio
- High availability

RexProX
RexPro lubrication
improved wear resistance
high fatigue resistance

- Extremely high loading capacity
- Long service life
- Outstanding protection against corrosion and wear

Leaf Chains



RexPro
RexPro lubrication
improved wear resistance
high fatigue resistance

- Outstanding protection against corrosion and wear
- Unique protection against chain joint stiffness
- Extremely eco-friendly

RexHiPro
good corrosion resistance
excellent loading capacity

- Outstanding corrosion resistance
- Long service life
- High loading capacity

RexAthletic
good loading capacity
extended lubrication intervals

- Durable and low-maintenance
- Longer servicing intervals
- High loading capacity
- Extreme wear resistance for double-length service life

REXDL
a brand of
REXNORD

- The optimum choice for light and medium duty
- Good cost-benefit ratio
- Good availability