RENOLD

Oilfield Chain

- Resilient and durable chain that is designed to resist wear & fatigue for longer life
- Committed to Oil & Gas Industry with large variety and quantities of chain that are ready to ship
- Quality precision roller chain that delivers superior performance and safety

Renold Oilfield Chain

Unique quality and safety

Consistent reliability
Renold's 100+ years of experience in the design and manufacture of power transmission products, to the highest specifications, underwrites the guaranteed quality and the assurance of reliability.

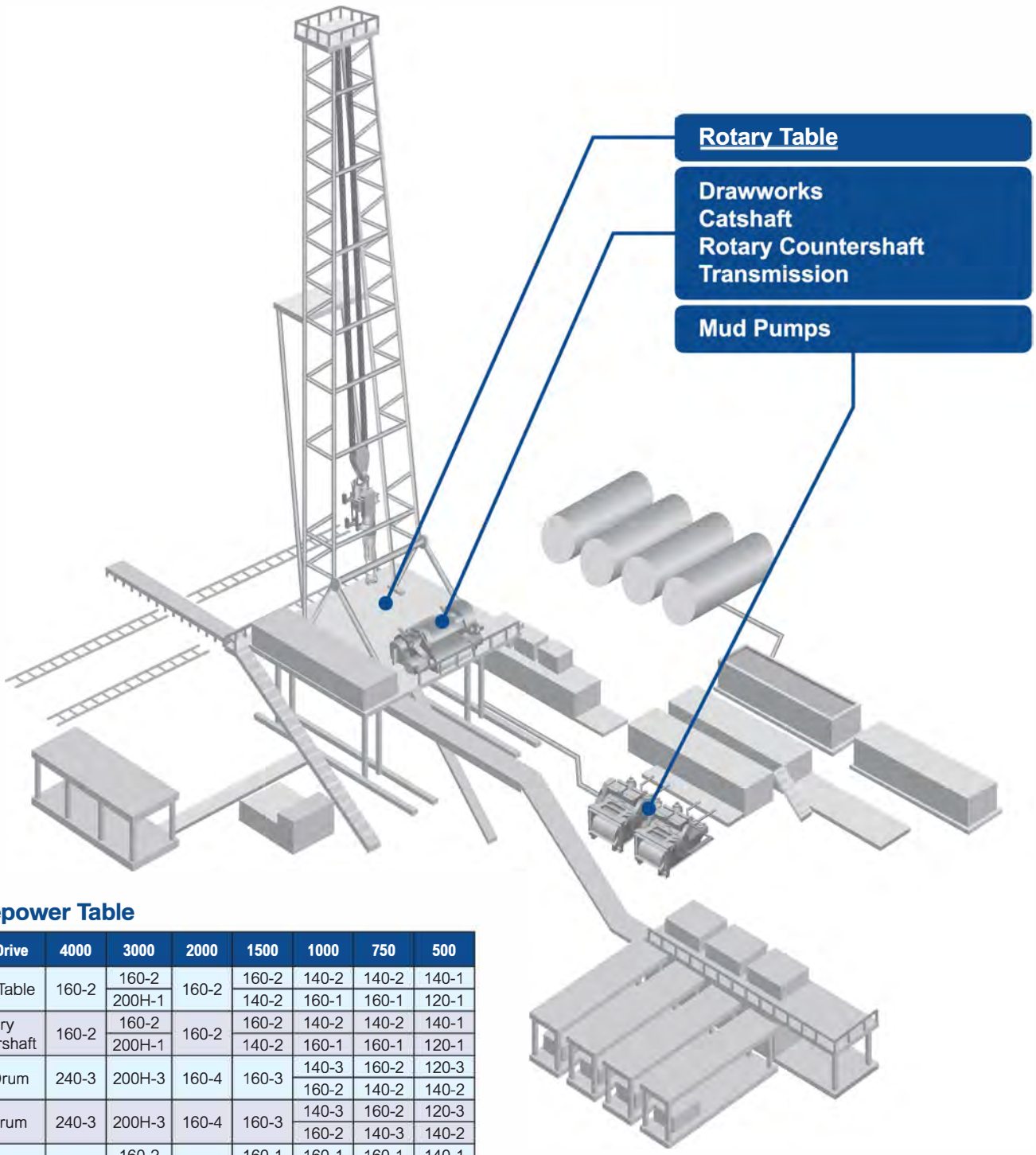
Service excellence and care
Renold offers a unique level of service excellence and customer care. Our experienced applications engineers will select the optimum solution with the aid of the latest computer and design technology. Renold is the name for service, care and peace of mind.

Inventory In-Stock
Renold's commitment to the Oilfield industry extends beyond quality products to include a substantial inventory of products that are ready to ship when you need them most.

Chain for Oil Extraction

Renold can supply all your chain requirements for oil extraction. Chains for applications including mud pump drives, draw works, transmission drives, catshafts, coil tubing injector heads and rotary countershafts and tables make up a comprehensive range of industry-proven, high specification products.

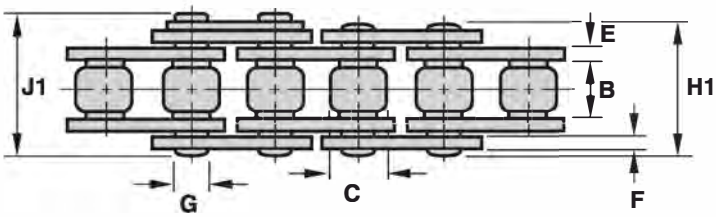
Renold Oilfield Chain

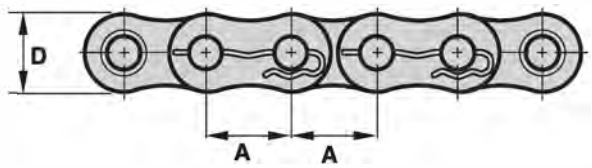


Horsepower Table

Chain Drive	4000	3000	2000	1500	1000	750	500
Rotary Table	160-2	160-2	160-2	160-2	140-2	140-2	140-1
		200H-1		140-2	160-1	160-1	120-1
Rotary Countershaft	160-2	160-2	160-2	160-2	140-2	140-2	140-1
		200H-1		140-2	160-1	160-1	120-1
High Drum	240-3	200H-3	160-4	160-3	140-3	160-2	120-3
					160-2	140-2	140-2
Low Drum	240-3	200H-3	160-4	160-3	140-3	160-2	120-3
					160-2	140-3	140-2
Catshaft	160-2	160-2	160-2	160-1	160-1	160-1	140-1
		200H-1		140-2	140-2	140-2	120-1
Transmission	140-8	160-4	160-4	160-3	160-2	140-2	120-2
		200H-3	160-3		140-3		100-3
Draw Works Input	140-8	120-8	120-6	120-4	120-3	100-4	100-3
					120-4		100-4
Compound	140-8	120-8	120-6	120-4	120-3	100-4	100-3
					120-4		
Mud Pump Drives	140-8	120-8	120-8	120-6	120-4	100-6	100-4
			120-6	120-4	120-3	100-4	100-3

ANSI Standard Chain





ANSI Standard Roller Chain

Dimensions are in inches unless otherwise indicated.

ANSI No.	Pitch (inch)	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thickness Max	Outer Plate Thickness Max	Pin Diam Max	Pin Length Max	Conn Link Extension Max	Transverse Pitch Nom	Average Tensile Strength†	Weight lb/ft
	A	B	C	D	E	F	G	H1	J	K	lb	
80-1	1.00	0.62	0.63	0.95	0.13	0.13	0.31	1.29	0.12	—	18,100	1.88
80-2	1.00	0.62	0.63	0.95	0.13	0.13	0.31	2.44	0.12	1.15	35,700	3.70
80-3	1.00	0.62	0.63	0.95	0.13	0.13	0.31	3.59	0.12	1.15	53,300	5.58
80-4	1.00	0.62	0.63	0.95	0.13	0.13	0.31	4.75	0.12	1.15	70,500	7.53
80-5	1.00	0.62	0.63	0.95	0.13	0.13	0.31	5.90	0.12	1.15	88,500	9.41
80-6	1.00	0.62	0.63	0.95	0.13	0.13	0.31	7.06	0.12	1.15	106,100	11.29
80-8	1.00	0.62	0.63	0.95	0.13	0.13	0.31	9.36	0.12	1.15	141,300	15.05
100-1	1.25	0.74	0.75	1.19	0.16	0.16	0.38	1.56	0.17	—	27,800	2.82
100-2	1.25	0.74	0.75	1.19	0.16	0.16	0.38	2.97	0.17	1.41	55,100	5.64
100-3	1.25	0.74	0.75	1.19	0.16	0.16	0.38	4.38	0.17	1.41	82,400	8.47
100-4	1.25	0.74	0.75	1.19	0.16	0.16	0.38	5.79	0.17	1.41	109,700	11.29
100-5	1.25	0.74	0.75	1.19	0.16	0.16	0.38	7.20	0.17	1.41	137,000	14.11
100-6	1.25	0.74	0.75	1.19	0.16	0.16	0.38	8.61	0.17	1.41	164,300	16.93
100-8	1.25	0.74	0.75	1.19	0.16	0.16	0.38	11.48	0.17	1.41	218,900	19.83
120-1	1.50	0.99	0.88	1.43	0.19	0.19	0.44	1.94	0.21	—	40,200	3.83
120-2	1.50	0.99	0.88	1.43	0.19	0.19	0.44	3.73	0.21	1.79	72,400	7.39
120-3	1.50	0.99	0.88	1.43	0.19	0.19	0.44	5.52	0.21	1.79	108,300	11.22
120-4	1.50	0.99	0.88	1.43	0.19	0.19	0.44	7.31	0.21	1.79	144,200	15.32
120-5	1.50	0.99	0.88	1.43	0.19	0.19	0.44	9.10	0.21	1.79	180,200	18.41
120-6	1.50	0.99	0.88	1.43	0.19	0.19	0.44	10.89	0.21	1.79	216,100	22.51
120-8	1.50	0.99	0.88	1.43	0.19	0.19	0.44	14.47	0.21	1.79	288,000	30.00
140-1	1.75	0.99	1.00	1.66	0.22	0.22	0.50	2.08	0.20	—	53,400	5.24
140-2	1.75	0.99	1.00	1.66	0.22	0.22	0.50	4.01	0.20	1.92	94,900	10.41
140-3	1.75	0.99	1.00	1.66	0.22	0.22	0.50	5.93	0.20	1.92	142,000	15.52
140-4	1.75	0.99	1.00	1.66	0.22	0.22	0.50	7.86	0.20	1.92	189,200	20.69
140-6	1.75	0.99	1.00	1.66	0.22	0.22	0.50	11.71	0.20	1.92	283,600	30.40
160-1	2.00	1.24	1.13	1.90	0.25	0.25	0.56	2.48	0.26	—	68,800	6.99
160-2	2.00	1.24	1.13	1.90	0.25	0.25	0.56	4.79	0.26	2.31	137,100	13.84
160-3	2.00	1.24	1.13	1.90	0.25	0.25	0.56	7.09	0.26	2.31	205,400	20.83
160-4	2.00	1.24	1.13	1.90	0.25	0.25	0.56	9.40	0.26	2.31	273,700	27.68
180-1	2.25	1.40	1.41	2.14	0.28	0.28	0.69	2.78	0.31	—	81,000	9.37
180-2	2.25	1.40	1.41	2.14	0.28	0.28	0.69	5.37	0.31	2.59	161,500	18.63
180-3	2.25	1.40	1.41	2.14	0.28	0.28	0.69	7.96	0.31	2.59	242,000	27.88
200-1	2.50	1.49	1.56	2.38	0.32	0.32	0.78	3.03	0.35	—	106,300	11.62
200-2	2.50	1.49	1.56	2.38	0.32	0.32	0.78	5.85	0.35	2.82	212,100	23.11
200-3	2.50	1.49	1.56	2.38	0.32	0.32	0.78	9.02	0.35	2.82	317,900	34.40
200-4	2.50	1.49	1.56	2.38	0.32	0.32	0.78	11.48	0.35	2.82	423,700	45.85
240-1	3.00	1.86	1.87	2.85	0.39	0.39	0.94	3.72	0.41	—	154,800	16.80
240-2	3.00	1.86	1.87	2.85	0.39	0.39	0.94	7.17	0.41	3.46	309,100	33.60
240-3	3.00	1.86	1.87	2.85	0.39	0.39	0.94	10.63	0.41	3.46	463,400	50.39

† Renold chain far exceeds the ISO 606 tensile strength requirement, but Renold do not consider that this figure provides a useful indicator to the key chain performance area of wear and fatigue.

ANSI Xtra Chain

Renold ANSI XTRA chain incorporates the usual Renold performance enhancing features including solid bushings, ball drifted plate holes, shot peening and optimum interference fits. The extra features incorporated into this range of chain is classified by:

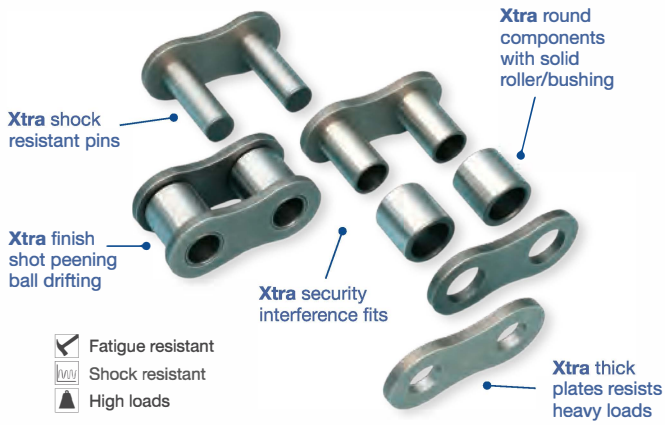
- Thicker side plates denoted by 'H'. These plates are approximately 20% thicker than standard ANSI chain
- Through hardened pins, denoted by 'V' (used commonly in our Coil Tubing Injector chain replacement kits)

Product Summary

H Range - Identical to standard ANSI chain with the exception of the overall width. Thicker plates give this chain excellent resistance to heavy loads and help absorb shock. Duplex and triplex chain must have sprockets with an increased transverse pitch of the teeth.

V Range - Identical dimensions to standard ANSI chain but with a higher breaking load and excellent resistance to shock loads.

HV Range - A combination of the 'H' and 'V' chain, giving excellent resistance to both heavy and shock loads. A further enhancement to the chain life can be achieved by hardening the sprocket teeth of the drive. 'H' and 'HV' chains are designed for improved fatigue life, therefore offset and slip fit joints which have a lower fatigue resistance are not recommended.



Chain Type	Strength	Wear	Heavy Loads	Shock Loads	High Speeds
Standard ANSI	Good	Excellent	Good	Good	Excellent
XTRA H Range	Good	Excellent	Excellent	Good	Not Suitable
XTRA V Range	Excellent	Good	Good	Excellent	Good
XTRA HV Range	Excellent	Good	Excellent	Excellent	Not Suitable

Xtra H Series Roller Chain

Dimensions are in inches unless otherwise indicated.

Chain No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
SINGLE STRAND													
80H	1.000	0.620	0.625	0.950	0.160	0.160	0.313	1.409	0.118	—	12,500	3,600	2.21
100H	1.250	0.744	0.750	1.188	0.189	0.189	0.376	1.669	0.165	—	19,530	5,500	3.22
120H	1.500	0.993	0.875	1.425	0.221	0.221	0.437	2.063	0.209	—	28,125	7,300	4.22
140H	1.750	0.993	1.000	1.663	0.250	0.250	0.500	2.281	0.205	—	38,280	9,600	5.76
160H	2.000	1.242	1.125	1.900	0.287	0.287	0.563	2.583	0.256	—	50,000	12,600	7.50
180H	2.250	1.397	1.406	2.139	0.312	0.312	0.688	2.912	0.311	—	63,280	14,200	10.18
200H	2.500	1.490	1.562	2.377	0.375	0.375	0.781	3.404	0.355	—	78,125	17,800	13.07
240H	3.000	1.864	1.875	2.582	0.500	0.500	0.938	4.212	0.414	—	112,500	25,300	20.44
DOUBLE STRAND													
80H-2	1.000	0.620	0.625	0.950	0.160	0.160	0.313	2.707	0.118	1.284	25,000	6,100	4.42
100H-2	1.250	0.744	0.750	1.188	0.189	0.189	0.376	3.278	0.165	1.540	39,060	9,300	6.90
120H-2	1.500	0.993	0.875	1.425	0.221	0.221	0.437	4.137	0.209	1.925	56,250	12,300	8.44
140H-2	1.750	0.993	1.000	1.663	0.250	0.250	0.500	4.212	0.205	2.057	76,560	16,300	11.22
160H-2	2.000	1.242	1.125	1.900	0.287	0.287	0.563	5.138	0.256	2.439	100,000	21,200	15.75
180H-2	2.250	1.397	1.406	2.139	0.312	0.312	0.688	5.548	0.311	2.594	126,560	24,000	20.36
200H-2	2.500	1.490	1.562	2.377	0.375	0.375	0.781	6.489	0.355	3.085	156,250	29,900	26.13
240H-2	3.000	1.864	1.875	2.852	0.500	0.500	0.938	8.195	0.414	3.988	225,000	43,000	40.87
TRIPLE STRAND													
80H-3	1.000	0.620	0.625	0.950	0.160	0.160	0.313	3.991	0.118	1.284	37,500	9,000	6.63
100H-3	1.250	0.744	0.750	1.188	0.189	0.189	0.376	4.819	0.165	1.540	58,590	13,700	10.35
120H-3	1.500	0.993	0.875	1.425	0.221	0.221	0.437	6.225	0.209	1.925	84,375	18,100	12.60
140H-3	1.750	0.993	1.000	1.663	0.250	0.250	0.500	6.320	0.205	2.057	114,840	23,900	16.82
160H-3	2.000	1.242	1.125	1.900	0.287	0.287	0.563	7.206	0.256	2.439	150,000	31,200	23.58
180H-3	2.250	1.397	1.406	2.139	0.312	0.312	0.688	8.116	0.311	2.594	189,840	34,000	30.55
200H-3	2.500	1.490	1.562	2.377	0.375	0.375	0.781	9.574	0.355	3.085	234,375	44,000	38.66
240H-3	3.000	1.864	1.875	2.852	0.500	0.500	0.938	12.182	0.414	3.988	337,500	63,200	61.31

Xtra V Series Roller Chain

Dimensions are in inches unless otherwise indicated.

Chain No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
SINGLE STRAND													
80V	1.000	0.620	0.625	0.950	0.128	0.128	0.313	1.288	0.118	—	16,860	3,500	1.88
100V	1.250	0.744	0.750	1.188	0.160	0.160	0.376	1.564	0.165	—	27,426	5,400	2.81
120V	1.500	0.993	0.875	1.425	0.189	0.189	0.437	1.942	0.209	—	37,991	7,170	3.82
140V	1.750	0.993	1.000	1.663	0.221	0.221	0.500	2.084	0.205	—	52,828	9,690	5.23
160V	2.000	1.242	1.125	1.900	0.250	0.250	0.563	2.486	0.256	—	64,967	12,500	6.97
180V	2.250	1.397	1.406	2.139	0.281	0.281	0.688	2.782	0.311	—	85,986	13,400	9.34
200V	2.500	1.490	1.562	2.377	0.320	0.320	0.781	3.028	0.354	—	100,036	17,200	11.59
DOUBLE STRAND													
80V-2	1.000	0.620	0.625	0.950	0.128	0.128	0.313	2.439	0.118	1.153	33,720	6,000	3.69
100V-2	1.250	0.745	0.751	1.188	0.160	0.160	0.376	2.971	0.165	1.408	54,851	9,170	5.63
120V-2	1.500	0.993	0.875	1.425	0.189	0.189	0.437	3.731	0.209	1.789	75,982	12,180	7.37
140V-2	1.750	0.993	1.000	1.663	0.221	0.221	0.500	4.011	0.205	1.924	105,656	16,450	10.39
160V-2	2.000	1.242	1.125	1.900	0.250	0.250	0.563	4.791	0.256	2.305	129,934	21,350	13.80
180V-2	2.250	1.397	1.406	2.139	0.281	0.281	0.688	5.378	0.311	2.592	171,972	22,930	18.57
200V-2	2.500	1.490	1.562	2.377	0.320	0.320	0.781	5.846	0.354	2.817	200,072	29,220	23.05
TRIPLE STRAND													
80V-3	1.000	0.620	0.625	0.950	0.128	0.128	0.313	3.593	0.118	1.153	50,580	8,830	5.56
100V-3	1.250	0.745	0.751	1.188	0.160	0.160	0.376	4.381	0.165	1.408	82,277	13,490	8.44
120V-3	1.500	0.993	0.875	1.425	0.189	0.189	0.437	5.524	0.209	1.789	113,974	17,940	11.19
140V-3	1.750	0.993	1.000	1.663	0.221	0.221	0.500	5.938	0.205	1.924	158,484	24,280	15.48
160V-3	2.000	1.242	1.125	1.900	0.250	0.250	0.563	7.100	0.256	2.305	194,902	31,470	20.77
180V-3	2.250	1.397	1.406	2.139	0.281	0.281	0.688	7.971	0.311	2.592	257,958	33,720	27.81
200V-3	2.500	1.490	1.562	2.377	0.320	0.320	0.781	9.023	0.354	2.817	300,108	42,940	34.30

Xtra HV Series Roller Chain

Dimensions are in inches unless otherwise indicated.

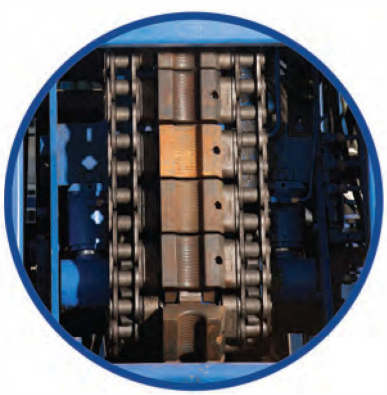
Chain No.	Pitch	Inside Width Min	Roller Diam Max	Plate Height Max	Inner Plate Thick Max	Outer Plate Thick Max	Pin Diam Max	Pin Length Max	Conn Link Extra Max	Trans Pitch	Tensile Strength Min	Rated Working Load	Weight
	A	B	C	D	E	F	G	H	J	K	Lbs	Lbs	Lbs/Ft
SINGLE STRAND													
80HV	1.000	0.620	0.625	0.950	0.160	0.160	0.313	1.409	0.118	—	19,558	4,000	2.21
100HV	1.250	0.744	0.750	1.188	0.189	0.189	0.376	1.669	0.165	—	30,000	7,300	3.22
120HV	1.500	0.993	0.875	1.425	0.221	0.221	0.437	2.063	0.209	—	41,004	9,500	4.22
140HV	1.750	0.993	1.000	1.663	0.250	0.250	0.500	2.281	0.205	—	57,998	12,800	5.76
160HV	2.000	1.242	1.125	1.900	0.287	0.287	0.563	2.503	0.256	—	70,003	16,500	7.50
180HV	2.250	1.397	1.406	2.139	0.312	0.312	0.688	2.912	0.311	—	94,978	18,000	10.18
200HV	2.500	1.490	1.562	2.377	0.375	0.375	0.781	3.404	0.355	—	134,992	22,500	13.07
240HV	3.000	1.864	1.875	2.852	0.500	0.500	0.938	4.212	0.414	—	189,992	31,300	20.44
DOUBLE STRAND													
80HV-2	1.000	0.620	0.625	0.950	0.160	0.160	0.313	2.707	0.118	1.284	39,115	7,900	4.42
100HV-2	1.250	0.744	0.750	1.188	0.189	0.189	0.376	3.278	0.165	1.540	59,999	12,500	6.90
120HV-2	1.500	0.993	0.875	1.425	0.221	0.221	0.437	4.137	0.209	1.925	82,007	16,100	4.22
140HV-2	1.750	0.993	1.000	1.663	0.250	0.250	0.500	4.212	0.205	2.057	115,997	21,750	11.22
160HV-2	2.000	1.242	1.125	1.900	0.287	0.287	0.563	5.138	0.256	2.439	140,005	28,100	15.75
180HV-2	2.250	1.397	1.406	2.139	0.312	0.312	0.688	5.548	0.311	2.594	189,956	30,600	20.36
200HV-2	2.500	1.490	1.562	2.377	0.375	0.375	0.781	6.489	0.355	3.085	269,985	38,250	26.13
240HV-2	3.000	1.864	1.875	2.852	0.500	0.500	0.938	8.195	0.414	3.988	379,984	53,220	40.87
TRIPLE STRAND													
80HV-3	1.000	0.620	0.625	0.950	0.160	0.160	0.313	3.991	0.118	1.284	58,673	11,570	6.63
100HV-3	1.250	0.744	0.750	1.188	0.189	0.160	0.376	4.819	0.165	1.540	89,999	18,710	10.35
120HV-3	1.500	0.993	0.875	1.425	0.221	0.221	0.437	6.225	0.209	1.925	89,999	23,700	12.60
140HV-3	1.750	0.993	1.000	1.663	0.250	0.250	0.500	6.320	0.205	2.057	173,995	31,950	16.82
160HV-3	2.000	1.242	1.125	1.900	0.287	0.287	0.563	7.206	0.256	2.439	210,019	41,250	23.58
180HV-3	2.250	1.397	1.406	2.139	0.312	0.312	0.688	8.116	0.311	2.594	284,934	45,000	30.55
200HV-3	2.500	1.490	1.562	2.139	0.312	0.375	0.781	9.574	0.355	3.085	404,977	56,250	38.66
240HV-3	3.000	1.864	1.875	2.852	0.500	0.500	0.938	12.182	0.414	3.988	569,976	78,260	61.31

Coiled Tubing Injector Chains

Renold pre-packaged coiled tubing injector chain kits – Reduce costs, eliminate waste, save time.

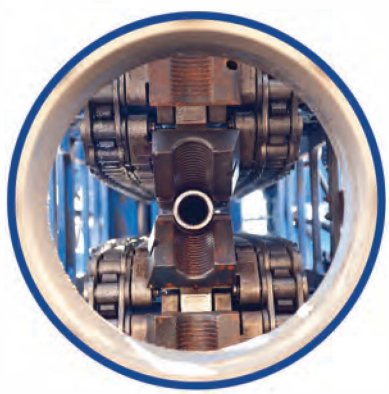
- Designed for the forces and stresses of coil tubing injectors, reducing the risks of damage to CT string
- All chain components ready for use
- Through-hardened pins for longer working life
- Shepherd's Crook or split cotters available
- Solid bushings minimize bedding-in time for maximum wear life
- GP wide waist plate for superior strength and longer life

Split leg cotter option available



Renold coiled tubing injector chain kits commonly used for retrofits and new drives

Count on Renold injector chain for uptime and reliable performance in the field



View from the drill hole illustrates the importance of premium chain for premium performance

Coiled Tubing Injector Chains

Manufacturer	Coiled Tube Unit Model	Chain Size
National Oilwell	RT10	120-3
National Oilwell	RT20	120-3
National Oilwell	RT30	120-3
National Oilwell	RT3238	120-3
National Oilwell	RT35	120-3
National Oilwell	RT60	160-4
National Oilwell	RT100	160-4
Hydra Rig	HR560/660	180-4
Hydra Rig	HR580/680	200-4
Hydra Rig	HR440	180-3
Hydra Rig	HR480	200-3
Hydra Rig	HR5100	180-6
Hydra Rig	HR635	140-5

Coil Tubing Chain Assemblies

Manufacturer	Coiled Tube Unit Model	Chain Size	Strand	# of Strands Required
Stewart & Stevenson	Short Unit	160-1 w/D3	14 pitch	8
Stewart & Stevenson	Long Unit	160-1 w/D3	14 pitch	10
Stewart & Stevenson	Short unit	160H-1 w/D3	14 pitch	8
Stewart & Stevenson	Long Unit	160H-1 w/D3	14 pitch	10

RENOLD

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Oilfield Chain

The highest standards for reliability and innovation.

- High-quality chains
- Strong, long-lasting, and dependable
- Powerful solutions for your operation

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