

**RENOLD
JEFFREY**

Oilfield Chain

Superior Chain Technology



7F-0008

Renold Oilfield Chain

Keep your operation running longer



Consistent reliability

Renold Jeffrey has more than 120 years of experience in creating chain for some of the toughest applications in the world. No wonder Renold Oilfield Chain meets — and exceeds — the highest quality and design standards in the industry, including approval by the American Petroleum Institute (API).

- Every Renold Oilfield Chain meets API specification 7f-0008.
- Each of our manufacturing operations conforms to ISO9001.

Renold has the options you need:

- **Cottered chain** is available with split, solid, or hook cotters, depending on your requirements. Each offers high fatigue strength and long wear life.
- **Riveted chain** features a unique pin design that allows for easy cut to length in the field so you can install or replace chain faster than cottered.
- **Press-fit intermediate plates**, available as special order, increase fatigue life and ensure multi-strand chain performs at maximum capacity.
- **Special lubrication** can be applied in the factory to make sure you receive turnkey solutions — delivered ready for installation at your operation.

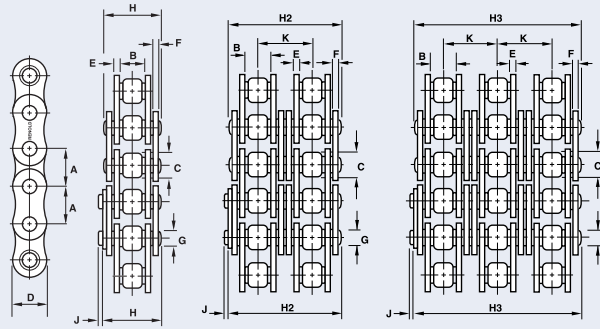


7F-0008



Oilfield Industry – ANSI Standard Chain

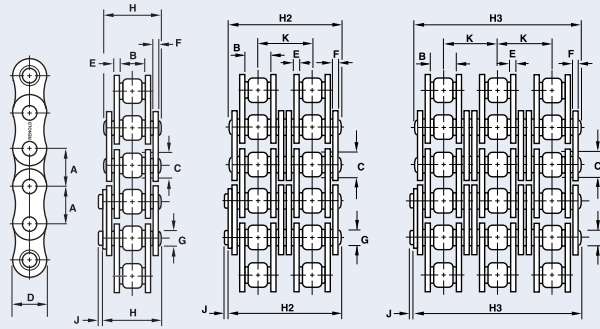
ANSI B29.1M / ISO 606 / API Spec 7f



Chain No.	No. of Strands	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
80	1	1.000	0.620	0.625	0.950	0.128	0.128	0.313	1.287	0.118	—	12,500	3,300	0.99
80-2	2	1.000	0.620	0.625	0.950	0.128	0.128	0.313	2.437	0.118	1.153	25,000	5,610	3.70
80-3	3	1.000	0.620	0.625	0.950	0.128	0.128	0.313	3.591	0.118	1.153	37,500	8,250	5.56
80-4	4	1.000	0.620	0.625	0.950	0.128	0.128	0.313	4.756	0.118	1.153	50,000	10,890	7.50
80-5	5	1.000	0.620	0.625	0.950	0.128	0.128	0.313	5.906	0.118	1.153	62,500	12,870	9.38
80-6	6	1.000	0.620	0.625	0.950	0.128	0.128	0.313	7.068	0.118	1.153	75,000	15,810	11.26
80-8	8	1.000	0.620	0.625	0.950	0.128	0.128	0.313	9.360	0.118	1.153	100,000	21,800	15.01
100	1	1.250	0.744	0.750	1.188	0.160	0.160	0.376	1.563	0.165	—	19,530	5,060	2.82
100-2	2	1.250	0.744	0.750	1.188	0.160	0.160	0.376	2.968	0.165	1.408	39,060	8,600	5.64
100-3	3	1.250	0.744	0.750	1.188	0.160	0.160	0.376	4.381	0.165	1.408	58,590	12,650	8.44
100-4	4	1.250	0.744	0.750	1.188	0.160	0.160	0.376	5.796	0.165	1.408	78,120	16,690	11.26
100-5	5	1.250	0.744	0.750	1.188	0.160	0.160	0.376	7.206	0.165	1.408	97,650	19,700	14.07
100-6	6	1.250	0.744	0.750	1.188	0.160	0.160	0.376	8.617	0.165	1.408	117,180	23,200	16.88
100-8	8	1.250	0.744	0.750	1.188	0.160	0.160	0.376	11.417	0.165	1.408	156,240	31,100	22.51
120	1	1.500	0.993	0.875	1.425	0.189	0.189	0.437	1.941	0.209	—	28,125	6,800	3.83
120-2	2	1.500	0.993	0.875	1.425	0.189	0.189	0.437	3.728	0.209	1.789	56,250	11,560	7.39
120-3	3	1.500	0.993	0.875	1.425	0.189	0.189	0.437	5.524	0.209	1.789	84,375	17,000	11.19
120-4	4	1.500	0.993	0.875	1.425	0.189	0.189	0.437	7.317	0.209	1.789	112,500	22,400	15.28
120-5	5	1.500	0.993	0.875	1.425	0.189	0.189	0.437	9.109	0.209	1.789	140,625	26,520	18.36
120-6	6	1.500	0.993	0.875	1.425	0.189	0.189	0.437	10.898	0.209	1.789	168,750	31,280	22.45
120-8	8	1.500	0.993	0.875	1.425	0.189	0.189	0.437	14.470	0.209	1.789	225,000	44,200	29.93
140	1	1.750	0.993	1.000	1.663	0.221	0.221	0.500	2.083	0.205	—	38,280	9,000	5.24
140-2	2	1.750	0.993	1.000	1.663	0.221	0.221	0.500	4.008	0.205	1.924	76,560	15,300	10.41
140-3	3	1.750	0.993	1.000	1.663	0.221	0.221	0.500	5.938	0.205	1.924	114,840	22,500	15.48
140-4	4	1.750	0.993	1.000	1.663	0.221	0.221	0.500	7.868	0.205	1.924	153,120	29,700	20.64
140-5	5	1.750	0.993	1.000	1.663	0.221	0.221	0.500	9.799	0.205	1.924	191,400	35,100	25.53
140-6	6	1.750	0.993	1.000	1.663	0.221	0.221	0.500	11.722	0.205	1.924	229,680	41,400	30.31
160	1	2.000	1.242	1.125	1.900	0.250	0.250	0.563	2.484	0.256	—	50,000	11,900	6.99
160-2	2	2.000	1.242	1.125	1.900	0.250	0.250	0.563	4.787	0.256	2.305	100,000	20,230	13.84
160-3	3	2.000	1.242	1.125	1.900	0.250	0.250	0.563	7.100	0.256	2.305	150,000	29,750	20.77
160-4	4	2.000	1.242	1.125	1.900	0.250	0.250	0.563	9.409	0.256	2.305	200,000	39,270	27.60
180	1	2.250	1.397	1.406	2.139	0.281	0.281	0.688	2.782	0.311	—	63,280	13,000	9.34
180-2	2	2.250	1.397	1.406	2.139	0.281	0.281	0.688	5.378	0.311	2.592	126,560	22,100	18.57
180-3	3	2.250	1.397	1.406	2.139	0.281	0.281	0.688	7.971	0.311	2.592	189,840	32,500	27.81
200	1	2.500	1.490	1.562	2.377	0.320	0.320	0.781	3.028	0.354	—	78,125	16,000	11.59
200-2	2	2.500	1.490	1.562	2.377	0.320	0.320	0.781	5.846	0.354	2.817	156,250	27,200	23.05
200-3	3	2.500	1.490	1.562	2.377	0.320	0.320	0.781	9.023	0.354	2.817	234,375	40,000	34.30
200-4	4	2.500	1.490	1.562	2.377	0.320	0.320	0.781	11.489	0.354	2.817	312,500	52,800	46.10
240	1	3.000	3.000	1.864	1.875	0.375	0.375	0.938	3.719	0.414	—	112,500	22,000	16.75
240-2	2	3.000	3.000	1.864	1.875	0.375	0.375	0.938	7.179	0.414	3.458	225,000	37,400	33.50
240-3	3	3.000	3.000	1.864	1.875	0.375	0.375	0.938	10.642	0.414	3.458	337,500	55,000	50.25

Oilfield Industry – ANSI XTRA Roller Chain

ANSI B29.1M / ISO 606 / API Spec 7f



Chain No.	No. of Strands	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
80H	1	1.000	0.620	0.625	0.950	0.160	0.160	0.313	1.409	0.118	—	12,500	3,600	2.21
80H-2	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
80H-3	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	1	1.250	0.744	0.750	1.188	0.189	0.189	0.376	1.669	0.165	—	19,530	5,500	3.22
100H-2	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
100H-3	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	1	1.500	0.993	0.875	1.425	0.221	0.221	0.437	2.063	0.209	—	28,125	7,300	4.22
120H-2	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
120H-3	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	1	1.750	0.993	1.000	1.663	0.250	0.250	0.500	2.281	0.205	—	38,280	9,600	5.76
140H-2	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
140H-3	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	1	2.000	1.242	1.125	1.900	0.287	0.287	0.563	2.583	0.256	—	50,000	12,600	7.50
160H-2	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
160H-3	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	1	2.250	1.397	1.406	2.139	0.312	0.312	0.688	2.912	0.311	—	63,280	14,200	10.18
180H-2	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
180H-3	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	1	2.500	1.490	1.562	2.377	0.375	0.375	0.781	3.404	0.355	—	78,125	17,800	13.07
200H-2	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
200H-3	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	1	3.000	1.864	1.875	2.582	0.500	0.500	0.938	4.212	0.414	—	112,500	25,300	20.44

XTRA HV Series Roller Chain*

Chain No.	No. of Strands	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
200HV	1	2.500	1.490	1.562	2.377	0.375	0.375	0.781	3.404	0.355	—	78,125	17,800	13.07
200HV-3	3	2.500	1.490	1.562	2.377	0.375	0.375	0.781	3.404	0.355	3.085	234,375	44,000	38.66

* Other sizes available upon request

**RENOLD
JEFFREY**

Renold ultimate specifications

Drilling for oil or natural gas puts immense strains on roller chain. Renold Oilfield Chain is built to perform:

- Solid cold-forged extruded bushings and rollers won't distort or open — even under the heaviest loads.
- Renold's wide-waist plate profile ensures optimum fatigue strength and greater reliability.
- Shot peened and pre-stressed plates, bushings, and rollers mean longer wear life.
- Renold's special holing processes reduce the possibility of stress cracking and improve fatigue life.

- Customized heat treatment and surface finish on the pins ensure optimum toughness.
- Specially formulated factory lubrication improves initial wear performance and enhances corrosion resistance.
- Closely controlled tolerances ensure smooth, robust operation even at high speeds.
- Every Oilfield Chain is proof loaded before packing in heavy-duty containers.

Count on the quality and reliability of Renold Oilfield Chain to keep your operation running at maximum capacity.

Renold Oilfield Chain Built to last

Renold Oilfield Chain is used on:

Mud pump drives
Engine compounds
Tubular and casing drawworks input
Transmission drives
Catshafts
Low and high drums
Rotary countershafts
Rotary tables
Coil tubing injectors

When reliability counts, count on Renold Jeffrey.

Renold pins are case hardened and centerless ground, producing perfectly cylindrical diameters with extremely high surface hardness, maximizing wear life.

Fatigue life is substantially improved by optimizing interference fits and controlling plate hole quality.

Renold pioneered ball drifting to create precisely controlled holes which, combined with other Renold process technology, improves fatigue resistance and enhances wear performance.

Renold solid cold forged bushings are designed to give optimum fit in the plates, substantially improving resistance to fatigue.

Wear life is extended by the use of solid cold forged bushings and rollers and the careful selection and control of the heat treatment process.

The wide-waisted plate shape, also pioneered by Renold, ensures optimum stress distribution.

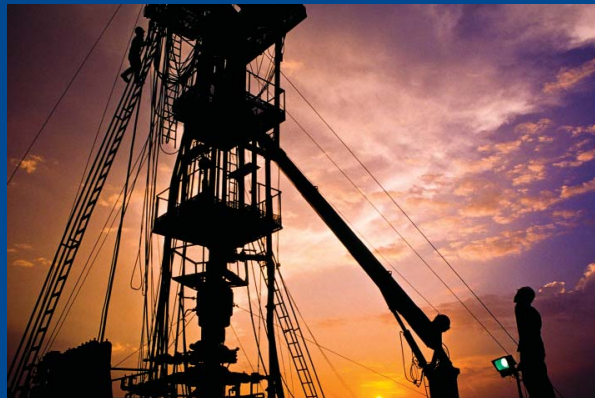


Oilfield Industry ISO 606,
ANSI B29.1M, API Spec 7f

7F-0008

Renold Oilfield Chain

- API approved
- Split, solid, or hook cotter styles available
- Optimized fatigue resistance
- Longer life in oilfield environments
- Excellent value for your investment



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Advancing Chain Technology

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