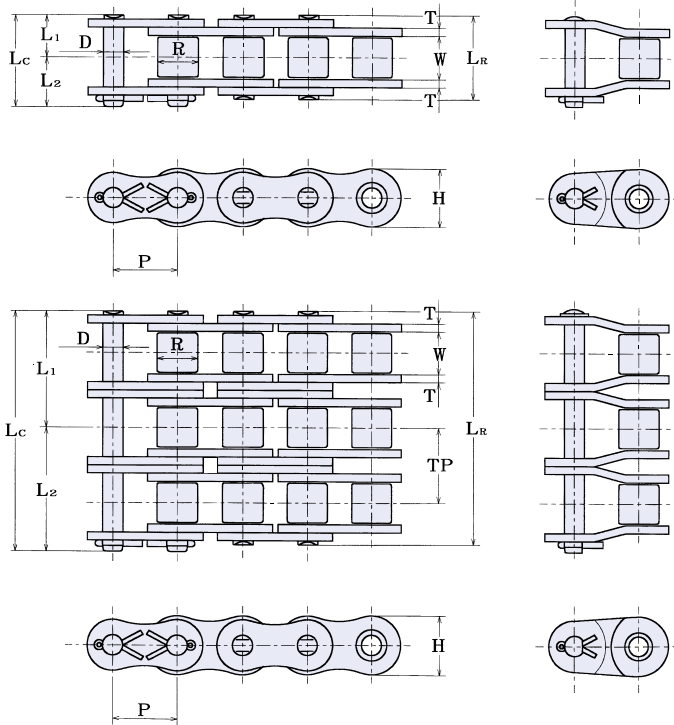


Oil-Field Chains (Heavy Series)



SY Heavy series Oil-Field roller chains are designed with thicker side plates to insure greater capacity for absorbing shock loads without fatigue failure of side plates. Also manufactured to optimal tolerances in accordance with ANSI specifications and are mainly used for applications where space and design limitations prohibit the use of a large size roller chain, and yet greater load carrying capacities are needed in oil-field drilling operations.



Licensed under Spec. 7F-0025



JOA-QM5873

HE TYPE

SY Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin				Plate		Trans. Pitch TP				
		Width W	Dia. R	Dia. D	Length				Height H		Thick. T			
					LR	LC	L1	L2						
SY 80HE	25.4	15.88	15.88	7.93	35.5	38.8	17.8	21.1	23.4	4.0	-	93.2	18.4	2.80
SY 80HE-2					68.4	71.3	34.2	37.1			32.6	186	28.4	5.54
SY 80HE-3					101.0	104.0	50.5	53.5				280	41.8	8.26
SY 80HE-4					133.6	136.7	66.8	69.9				373	55.1	10.98
SY 80HE-5					166.2	169.3	83.1	86.2				466	65.1	13.71
SY 80HE-6					199.0	201.9	99.4	102.5				559	76.8	16.43
SY 80HE-8					264.0	267.1	132.0	135.1				746	104	21.88
SY100HE	31.75	19.05	19.05	9.53	42.2	45.7	21.1	24.6	29.3	4.8	-	142	28.3	4.14
SY100HE-2					81.6	85.0	40.8	44.2			39.1	284	45.1	8.20
SY100HE-3					120.7	124.4	60.4	64.0				426	66.3	12.26
SY100HE-4					159.0	163.5	79.7	83.5				568	87.5	16.33
SY100HE-5					198.5	202.3	99.3	103.0				710	103	20.39
SY100HE-6					238.2	241.8	119.1	122.7				852	122	24.45
SY100HE-8					316.4	320.0	158.2	161.8				1136	164	32.58
SY100HE-10					394.6	398.2	197.3	200.9				1420	199	40.70
SY120HE	38.10	25.40	22.23	11.10	52.6	57.0	26.3	30.7	35.1	5.6	-	191	38.0	5.83
SY120HE-2					102.0	106.1	51.0	55.1			48.9	382	58.3	11.56
SY120HE-3					150.6	154.6	75.3	79.3				573	85.8	17.29
SY120HE-4					199.2	203.7	99.6	104.1				764	113	23.02
SY120HE-5					247.8	252.6	123.9	128.7				955	134	28.75
SY120HE-6					297.6	301.5	148.8	152.7				1146	158	34.48
SY120HE-8					395.4	399.7	197.7	202.0				1528	213	45.94
SY120HE-10					493.2	497.5	246.6	250.9				1910	257	57.40

Refer to page 80. " Selection of offset link "

SY Chain No.	Dimensions - mm											Average Ultimate Strength kN	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch	Roller		Pin				Plate		Trans. Pitch				
		Width	Dia.	Dia.	Length		Height	Thick.						
		P	W	R	D	LR	LC	L1	L2		H			
SY140HE	44.45	25.40	25.40	12.70	57.0	61.6	28.5	33.1	40.9	6.4	52.2	252	50.3	8.41
SY140HE-2					109.4	114.0	54.7	59.3				504	76.7	16.59
SY140HE-3					161.8	166.4	80.9	85.5				756	113	24.77
SY140HE-4					214.0	218.7	107.0	111.7				1008	149	32.96
SY140HE-5					266.2	270.9	133.1	137.8				1260	176	41.15
SY140HE-6					318.4	323.1	159.2	163.9				1512	207	49.33
SY140HE-8					422.8	427.5	211.4	216.1				2016	280	65.78
SY160HE	50.80	31.75	28.58	14.28	67.7	72.9	33.9	39.1	46.7	7.2		61.9	319	66.3
SY160HE-2					129.8	134.9	64.9	70.0			638		100.	21.21
SY160HE-3					191.8	196.8	95.9	100.9			957		147	31.54
SY160HE-4					253.7	258.8	126.9	131.9			1276		194	41.89
SY160HE-6					377.5	382.6	188.8	193.8			1914		270	62.58
SY180HE	57.15	35.70	35.70	17.45	75.7	81.3	37.9	43.5	52.5	8.0	68.6		441	70.6
SY180HE-2					144.2	149.8	72.1	77.7				882	121	30.06
SY180HE-3					212.8	218.7	106.4	112.3				1323	179	44.94
SY180HE-4					281.4	287.4	140.7	146.7				1764	236	59.83
SY200HE	63.50	38.10	39.67	19.83	84.9	93.3	42.5	50.8	59.8	9.5	78.3	559	82.3	17.85
SY200HE-2					163.1	172.0	81.6	90.4				1118	138	35.20
SY200HE-3					241.4	250.3	120.7	129.6				1677	204	52.53
SY200HE-4					319.8	328.6	159.9	168.7				2236	269	69.94
SY240HE	76.20	47.63	47.63	23.78	110.2	117.7	55.6	62.0	72.4	12.7	101.2	883	112.8	32.29
SY240HE-2					211.6	218.9	105.8	113.1				1766	192	62.06
SY240HE-3					312.6	320.1	156.3	163.8				2649	283	91.82
SY240HE-4					414.0	421.3	207.0	214.3				3532	373	121.58

