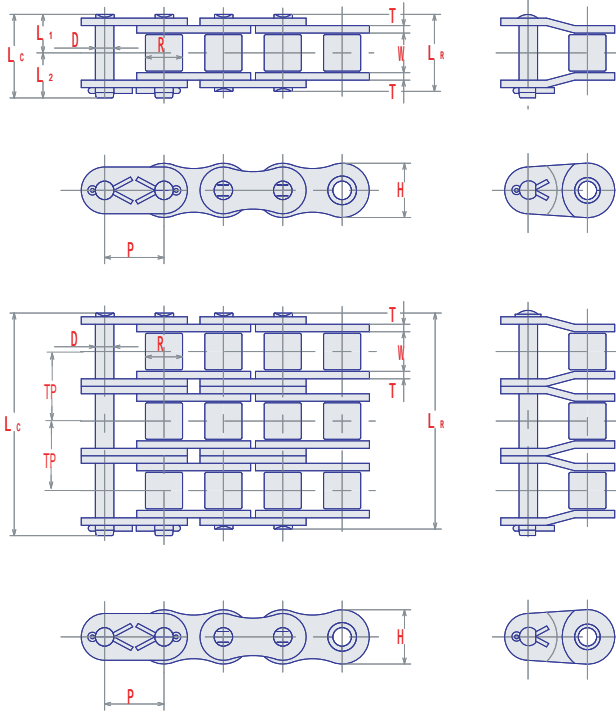


Oil-Field Chains(HE Series)



SY Heavy series 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 close 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.

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	T	TP									
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					
SY140HE-3					161.8	166.4	80.9	85.5				756				113				
SY140HE-4					214.0	218.7	107.0	111.7				1008					149			
SY140HE-5					266.2	270.9	133.1	137.8				1260						176		
SY140HE-6					318.4	323.1	159.2	163.9				1512							207	
SY140HE-8					422.8	427.5	211.4	216.1				2016								280
SY160HE					50.80	31.75	28.58	14.28				67.7								
SY160HE-2	129.8	134.9	64.9	70.0					638	100.										
SY160HE-3	191.8	196.8	95.9	100.9					957		147									
SY160HE-4	253.7	258.8	126.9	131.9					1276			194								
SY160HE-6	377.5	382.6	188.8	193.8					1914				270							
SY180HE	57.15	35.70	35.70	17.45					75.7					81.3	37.9	43.5	52.5	8.0		
SY180HE-2					144.2	149.8	72.1	77.7	882					121						
SY180HE-3					212.8	218.7	106.4	112.3	1323	179										
SY180HE-4					281.4	287.4	140.7	146.7	1764		236									
SY200HE					63.50	38.10	39.67	19.83	84.9			93.2			42.5	50.8			59.8	9.5
SY200HE-2	163.1	172.0	81.6	90.4					1118			138								
SY200HE-3	241.4	250.3	120.7	129.6					1677				204							
SY200HE-4	319.8	328.6	159.9	168.7					2236	269										
SY240HE	76.20	47.63	47.63	23.78	110.2	117.7	55.6	62.0	70.3		12.7			101.2	883	112.8	32.29			
SY240HE-2					211.6	218.9	105.8	113.1				1766			192					
SY240HE-3					312.6	320.1	156.3	163.8				2649	283							
SY240HE-4					414.0	421.3	207.0	214.3		3532		373								

