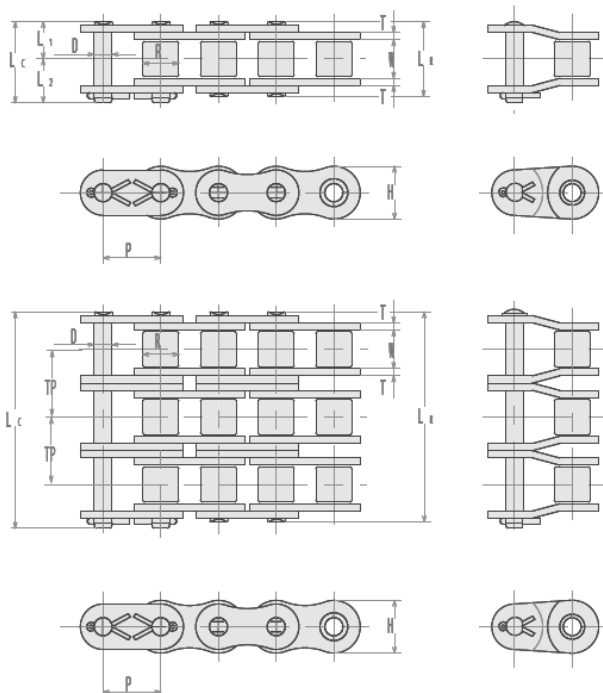
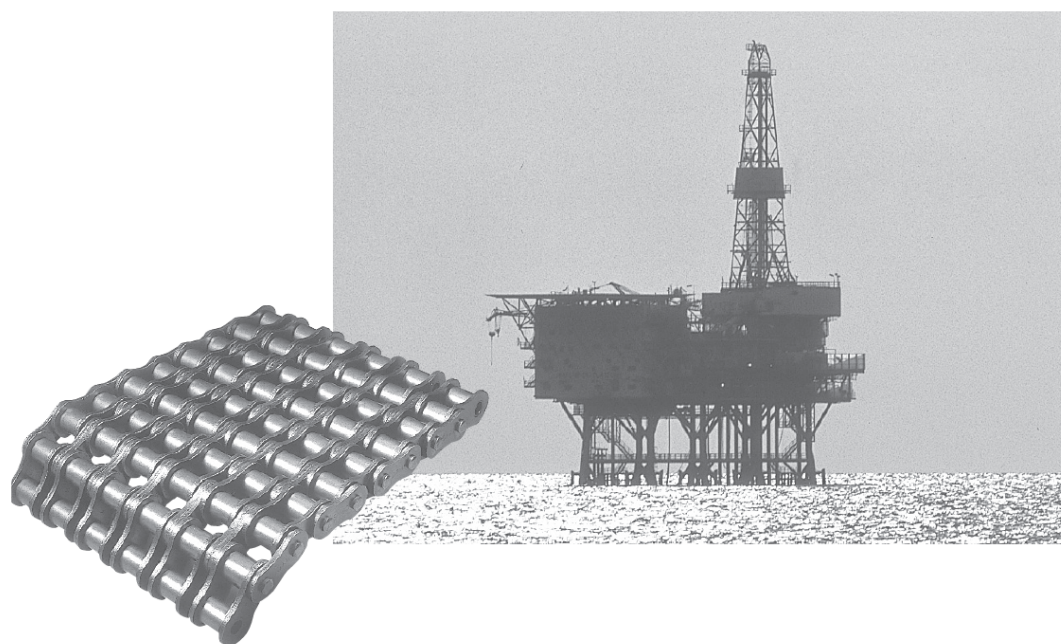


ANSI HE Extra Heavy Series Chain

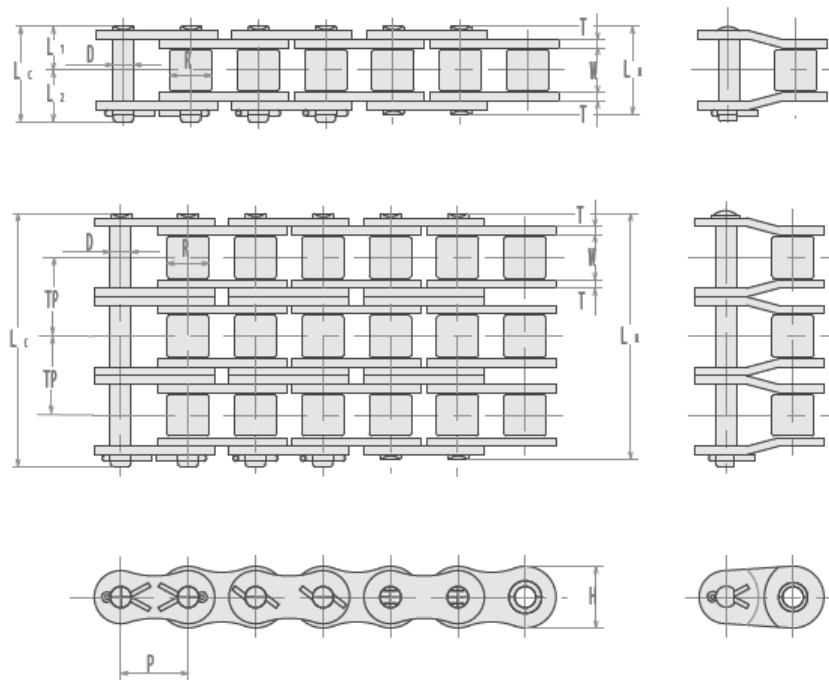


SY Heavy series roller chains are designed with thicker side plates to insure greater capacity for absorbing shock loads without fatigue failure of side plates. Also manufactured to close tolerances in accordance with ANSI specifications and are mainly used for applications where space and design limitations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

SY Chain No. (ANSI)	Dimensions - mm											Average Tensile Strength Kn	Maximum Allowable Load kN	Average Chain Weight kg/m
	Pitch P	Bushing		Pin				Plate		Trans. Pitch TP				
		Width W	Dia. R	Dia. D	Length				Height H		Thick. T			
					LR	LC	L1	L2						
60HE	19.05	12.7	11.91	5.95	-	-	-	-	17.5	3.2	26.1	50.0	10.7-	-
80HE	25.4	15.88	15.88	7.93	36.4	38.8	17.8	21.0	23.4	4	32.6	93.2	18.4	2.80
100HE	31.75	19.05	19.05	9.53	42.4	45.9	21.2	24.7	29.3	4.8	39.1	142	28.3	4.14
120HE	38.10	25.40	22.23	11.1	52.8	57.2	26.4	30.8	35.1	5.6	48.9	191	38	5.83
140HE	44.45	"25.40	"25.40	12.70	57.2	61.8	28.6	33.2	40.9	6.4	52.2	252	50.30	7.41
160HE	50.80	31.75	28.58	14.28	67.9	73.0	34.0	39.0	46.7	7.2	61.9	319	66.30	10.86



SY H-series roller chains are provided with greater shock and wear resistance and high breaking strength for general purpose applications. The side plate thickness is equal to the next larger ANSI roller chains and through-hardened high-tensile structural steel pins realize strong power transmission in limited equipment space, showing excellent shock absorption and fatigue strength and high ultimate strength of as much as 110-120 percent. Single roller chains of this series run on standard single roller chain sprockets.



Single Strands

SY Chain No. (ANSI)	Dimensions - mm										Average Ultimate Strength	Maximum Allowable Load	Average Chain Weight
	Pitch	Bushing		Pin				Plate					
		Width	Dia.	Dia.	Length			Height	Thick.				
P	W	R	D	LR	LC	L1	L2	H	T	Kn	kN	kg/m	
50H*	15.875	9.53	10.16	5.09	-	-	-	-	-	-	-	-	-
60H*	19.05	12.7	11.91	5.95	28.8	30.8	14.4	16.4	17.5	3.2	54.9	10.7	1.8
80H*	25.4	15.88	15.88	7.93	35.7	38.7	17.9	20.8	23.4	4	90.2	18.4	2.81
100H	31.75	19.05	19.05	9.53	42.4	45.9	21.2	24.7	29.3	4.8	137	28.3	4.14
120H	38.1	25.4	22.23	11.1	52.8	57.2	26.4	30.8	35.1	5.6	186	38	5.83
140H	44.45	25.4	25.4	12.7	57.2	61.8	28.6	33.2	40.9	6.4	241	50.3	8.41
160H	50.8	31.75	28.58	14.28	67.9	73	34	39	46.7	7.2	306	66.3	10.86
180H	57.15	35.7	35.7	17.45	75.6	81.5	37.8	43.7	52.5	8	373	70.6	15.18

*Also stocked in 100ft and 50ft reels

Multiple Strands

SY Chain No. (ANSI)	Dimensions - mm											Average Ultimate Strength	Maximum Allowable Load	Average Chain Weight
	Pitch	Bushing		Pin				Plate		Trans. Pitch				
		Width	Dia.	Dia.	Length			Height	Thick.					
P	W	R	D	LR	LC	L1	L2	H	T	TP	Kn	kN	kg/m	
100H -2	31.75	19.05	19.05	9.53	81.6	85.0	40.8	44.2	29.3	4.8	39.1	274	39.1	8.20
120H-2	38.10	25.40	22.23	11.1	102.0	106.1	51.0	55.1	35.1	5.6	48.9	372	53.4	11.56
140H -2	44.45	25.40	25.40	12.70	109.4	114.0	54.7	59.3	40.9	6.4	52.2	482	70.0	16.59