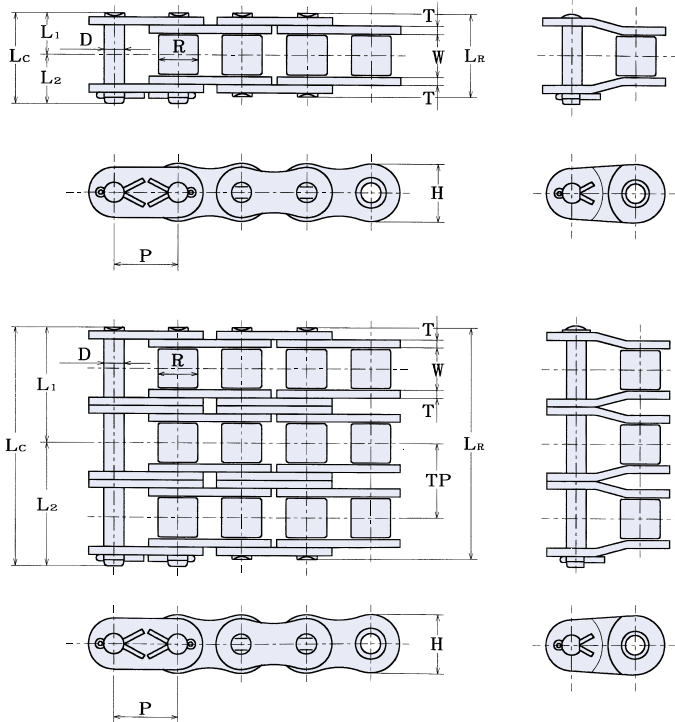


Oil-Field Chains

ROLLER CHAINS



SY Oil-Field chains are certified by API (American Petroleum Institute) and registered with API Vender #7F-0025. (API Monogram licensee) Specify the chain construction-press fit or slip fit if optional- for multiple strand chain. Multiple strand chains with press-fit center plates have significantly greater fatigue strength than their slip-fit center plate counterparts.



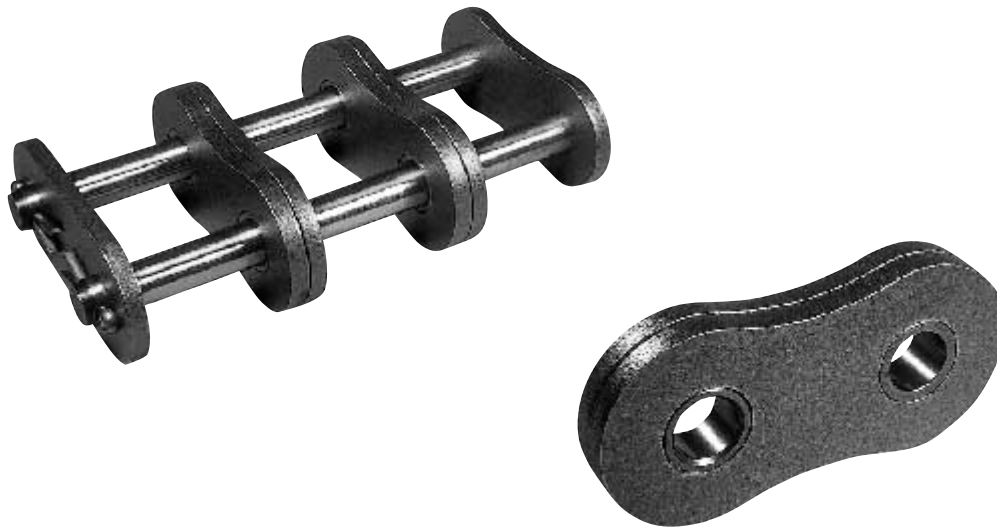
E TYPE

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						
	P	W	R	D	L _R	L _C	L ₁	L ₂	H	T	TP	kN	kN	kg/m
SY 80E	25.4	15.88	15.88	7.93	32.8	35.5	16.4	19.1	23.4	3.2	-	79.4	18.4	2.52
SY 80E-2					61.6	64.5	30.8	33.7			29.3	159	26.7	5.10
SY 80E-3					90.9	94.1	45.5	48.6				238	39.3	7.68
SY 80E-4					120.4	123.5	60.2	63.3				318	51.8	10.25
SY 80E-5					149.8	152.8	74.9	77.9				397	61.2	12.84
SY 80E-6					179.1	182.1	89.6	92.5				476	72.2	15.42
SY 80E-8					237.6	240.6	118.8	121.8				635	97.3	20.58
SY100E	31.75	19.05	19.05	9.53	39.4	43.0	19.7	23.3	29.3	4.0	-	119	28.3	3.91
SY100E-2					75.1	78.8	37.6	41.2			35.8	238	40.8	7.74
SY100E-3					110.9	114.6	55.5	59.1				357	60.0	11.58
SY100E-4					147.4	150.8	73.7	77.1				476	79.2	15.40
SY100E-5					183.0	186.6	91.5	95.1				595	93.6	19.26
SY100E-6					218.8	222.4	109.4	113.0				714	110	23.10
SY100E-8					290.4	294.1	145.2	148.9				952	149	30.81
SY100E-10					362.0	365.7	181.0	184.7				1190	180	38.54
SY120E	38.10	25.40	22.23	11.10	49.5	53.4	24.8	28.6	35.1	4.8	-	174	38.0	5.76
SY120E-2					94.9	98.8	47.5	51.3			45.4	348	54.2	11.49
SY120E-3					140.3	144.2	70.2	74.0				522	79.8	17.20
SY120E-4					186.1	190.0	93.1	96.9				696	105	22.92
SY120E-5					231.5	235.4	115.8	119.6				870	124	28.65
SY120E-6					276.9	280.8	138.5	142.3				1044	147	34.36
SY120E-8					367.5	371.7	183.8	187.9				1392	198	45.81
SY120E-10					458.3	462.5	229.2	233.3				1740	239	57.38

Refer to page 80. " Selection of offset link "

BCL Connecting links provided with press-fit type chains

Bushed Center plate Link (BCL) is available. The BCL connecting link consists of two center plates held together tightly with two press-fit bushings. These features minimize the potential of any relative motion between pins and bushings, and it helps with equal distribution of chain-load across pins.



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			
SY140E	44.45	25.40	25.40	12.70	54.0	58.3	27.0	31.3	40.9	5.6	-	227	50.3	7.41
SY140E-2					102.9	107.2	51.5	55.7			48.9	454	73.2	14.63
SY140E-3					151.7	156.3	75.9	80.4				681	108	21.91
SY140E-4					201.2	205.5	100.6	104.9				908	142	29.17
SY140E-5					250.1	254.4	125.1	129.3				1135	168	36.45
SY140E-6					299.0	303.3	149.5	153.8				1362	198	43.72
SY140E-8					396.5	401.1	198.3	202.8				1816	267	58.28
SY160E	50.80	31.75	28.58	14.28	64.3	68.7	32.2	36.5	46.7	6.4	-	294	66.3	9.79
SY160E-2					122.8	127.2	61.4	65.8			58.5	588	95.0	19.45
SY160E-3					181.3	185.7	90.7	95.0				882	140	29.17
SY160E-4					240.3	244.7	120.2	124.5				1176	184	38.77
SY160E-6					298.8	303.3	149.4	153.9				1764	257	58.08
SY180E	57.15	35.70	35.70	17.45	72.5	78.4	36.3	42.1	52.5	7.2	-	363	70.6	13.39
SY180E-2					138.2	144.0	69.1	74.9			65.8	726	102	26.62
SY180E-3					204.5	210.2	102.3	107.9				1089	150	39.85
SY180E-4					270.2	275.9	135.1	140.8				1452	197	53.08
SY200E	63.50	38.10	39.67	19.83	78.5	87.0	39.3	47.7	59.8	8.0	-	470	82.3	16.93
SY200E-2					150.2	158.7	75.1	83.6			71.6	940	130	33.73
SY200E-3					221.7	230.2	110.9	119.3				1410	191	50.53
SY200E-4					293.3	302.4	146.7	155.7				1880	252	67.34
SY240E	76.20	47.63	47.63	23.78	96.4	104.1	48.2	55.9	70.3	9.5	-	677	112.8	23.64
SY240E-2					184.2	191.8	92.1	99.7			87.8	1354	179	47.13
SY240E-3					272.0	279.6	136.0	143.6				2031	263	70.61
SY240E-4					359.8	367.4	179.9	187.5				2708	347	94.09