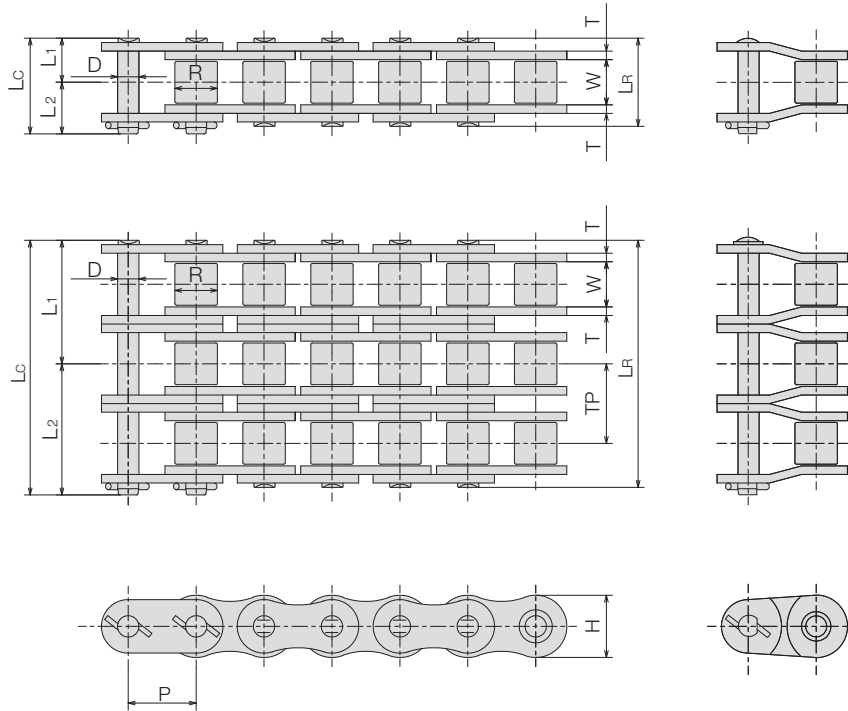


E Roller Chain

ANSI | Single Pitch | Heavy Duty | E

“E” type roller chains are made using high quality alloys and through-hardened pins to better resist fatigue failure in applications that are subject to high shock loads. Please specify if the chain is being utilized in oil field applications.



BS Single Pitch

ANSI Single Pitch

ANSI Double Pitch

ENGL. 81X

Technical Information

SY Chain No.	Pitch P	Dimension - mm										Average Tensile Strength	Maximum Allowable Load	Average Chain Weight
		Roller		Dia. D	Pin				Plate		Trans. Pitch			
		Width W	Dia. R		Length	Height H	Thickness T							
SY 80-1 E					33.0	35.5	16.4	19.1			-	79.40	18.40	2.52
SY 80-2 E	25.40	15.88	15.88	7.93	61.6	64.5	30.8	33.7	23.4	3.2	29.3	159.00	26.70	5.10
SY 80-3 E					90.9	94.1	45.5	48.6				238.00	39.30	7.68
SY 100-1 E					39.4	43.0	19.7	23.3			-	119.00	28.30	3.91
SY 100-2 E	31.75	19.05	19.05	9.53	75.1	78.8	37.6	41.2	29.3	4.0	35.8	238.00	40.80	7.74
SY 100-3 E					110.9	114.6	55.5	59.1				357.00	60.00	11.58
SY 120-1 E					49.5	53.4	24.8	28.6			-	174.00	38.00	5.76
SY 120-2 E	38.10	25.40	22.23	11.10	94.9	98.8	47.5	51.3	35.1	4.8	45.4	348.00	54.20	11.49
SY 120-3 E					140.3	144.2	70.2	74.0				522.00	79.80	17.20
SY 140-1 E					54.0	58.3	27.0	31.3			-	227.00	50.30	7.41
SY 140-2 E	44.45	25.40	25.40	12.70	102.9	107.2	51.5	55.7	40.9	5.6	48.9	454.00	73.20	14.63
SY 140-3 E					151.7	156.3	75.9	80.4				681.00	108.00	21.91
SY 160-1 E					64.3	68.7	32.2	36.5			-	294.00	66.30	9.79
SY 160-2 E	50.80	31.75	28.58	14.28	122.8	127.2	61.4	65.8	46.7	6.4	58.5	588.00	95.00	19.45
SY 160-3 E					181.3	185.7	90.7	95.0				882.00	140.00	29.17
SY 180-1 E					72.5	78.4	36.3	42.1			-	363.00	70.60	13.39
SY 180-2 E	57.15	35.70	35.70	17.45	138.2	144.0	69.1	74.9	52.5	7.2	65.8	726.00	102.00	26.62
SY 180-3 E					204.5	210.2	102.3	107.9				1,089.00	150.00	39.85
SY 200-1 E					78.5	87.0	39.3	47.7			-	470.00	82.30	16.93
SY 200-2 E	63.50	38.10	39.67	19.83	150.2	158.7	75.1	83.6	59.8	8.0	71.6	940.00	130.00	33.73
SY 200-3 E					221.7	230.2	110.9	119.3				1,410.00	191.00	50.53
SY 240-1 E					95.5	104.0	47.8	56.2			-	677.00	112.80	23.64
SY 240-2 E	76.20	47.63	47.63	23.78	183.4	191.8	91.7	100.1	70.3	9.5	87.8	1,354.00	179.00	47.13
SY 240-3 E					271.3	279.6	135.7	143.9				2,031.00	263.00	70.61

Connecting links are “cotter” style for size 80 E. E type multiple strand chains are standardly designed for loose-fit center plate construction. E type multiple strand chains can be constructed with semi press-fit center plates upon request. BCL connecting links are standardly equipped for E type multiple strand chains with semi press-fit center plate construction. Takes account of a 35% reduction of fatigue strength when a single pitch offset link is used.