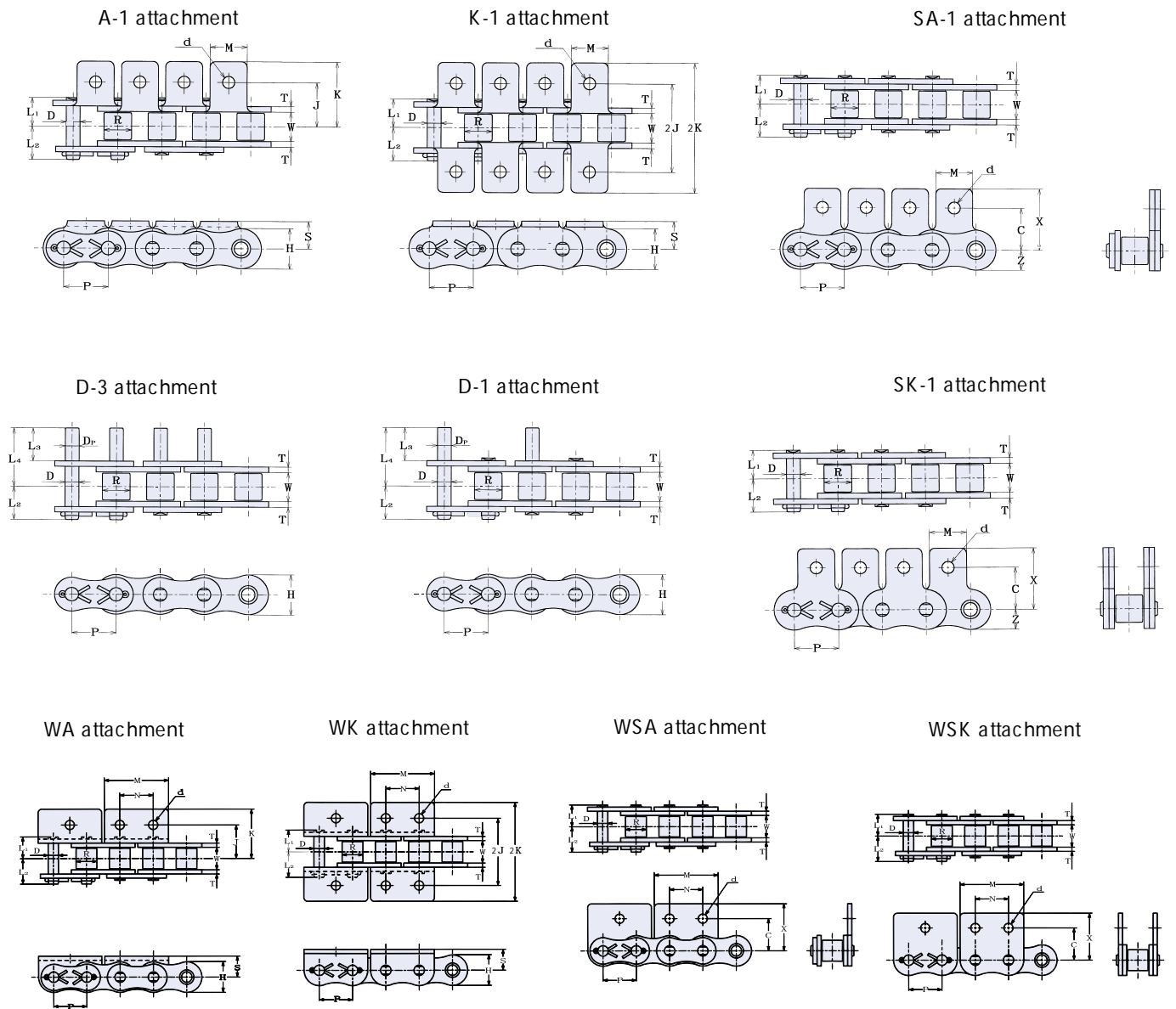


# ANSI Standard Attachment Chains



## BASIC SPECS FOR ASSEMBLING ATTACHMENT

SY Chain No. (ANSI)	Dimensions - mm								Average Ultimate Strength kN	Average Chain Weight kg/m
	Pitch P	Roller		Pin		Plate				
		Width W	Dia. R	Dia. D	Length L1 L2		Height H	Thick. T		
SY 35	9.525	4.78	*5.08	3.58	5.9	6.8	9.0	1.25	10.8	0.34
SY 40	12.70	7.95	7.92	3.96	8.2	9.1	11.7	1.5	19.1	0.60
SY 50	15.875	9.53	10.16	5.08	10.3	11.6	14.6	2.0	31.9	0.98
SY 60	19.05	12.70	11.91	5.95	12.7	13.9	17.5	2.4	43.1	1.46
SY 80	25.40	15.88	15.88	7.93	16.2	18.8	23.4	3.2	78.5	2.52
SY 100	31.75	19.05	19.05	9.53	19.6	23.2	29.3	4.0	118	3.91
SY 120	38.10	25.40	22.23	11.10	24.7	28.5	35.1	4.8	167	5.76
SY 140	44.45	25.40	25.4	12.70	26.9	31.2	40.9	5.6	216	7.41
SY 160	50.80	31.75	28.58	14.28	32.1	36.4	46.7	6.4	275	9.79

## A-1, K-1 ATTACHMENT

SY Chain No.	Common Dimensions				Original Dimensions				Additional Weight	
	M	d	S	Z	A-1		K-1		A-1	K-1
					J	K	2J	2K	g/pc	
SY35	7.9	3.4	6.4	4.5	9.5	14.3	19.1	28.6	0.9	1.8
SY40	9.5	3.6	7.9	5.8	12.7	17.3	25.4	34.6	1.2	2.4
SY50	12.7	5.2	10.3	7.3	15.9	23.3	31.8	46.6	4	8
SY60	15.9	5.2	11.9	8.7	19.1	28.1	38.1	56.2	6.5	13
SY80	19.1	6.8	15.9	11.7	25.4	35.9	50.8	71.8	13	26
SY100	25.4	8.8	19.8	14.6	31.8	44.3	63.6	88.6	27	54
SY120	28.3	10.5	23.0	17.5	38.1	54.7	76.2	109.4	47	94
SY140	34.7	12.0	28.6	20.4	44.5	63.2	89.0	126.4	65	130
SY160	38.1	14.0	31.8	23.3	50.8	71.9	101.6	143.8	88	176

## SA-1,SK-1 ATTACHMENT

SY Chain No.	Common Dimensions				Z	Additional Weight	
	M	d	C	X		SA-1	SK-1
						g/pc	
SY35	7.9	3.4	9.5	14.5	4.5	0.9	1.8
SY40	9.5	3.6	12.7	18.5	5.8	1.2	2.4
SY50	12.7	5.2	15.9	23.0	7.3	4	8
SY60	15.9	5.2	18.3	26.7	8.7	6.5	13
SY80	19.1	6.8	24.6	34.5	11.7	13	26
SY100	25.4	8.8	31.8	43.0	14.6	27	54
SY120	28.6	10.5	36.6	51.4	17.5	47	94
SY140	34.7	12.0	44.4	63.1	20.4	65	130
SY160	38.1	14.0	50.8	69.5	23.3	88	176

## D-1,D-3 ATTACHMENT

SY Chain No.	Common Dimensions				Additional Weight	
	Dp	L3	L4	H	D-1	D-3
					g/pc	
SY35	3.58	9.5	14.7	9	0.8	1.6
SY40	3.96	9.5	16.8	11.7	1	2
SY50	5.08	11.9	21.0	14.6	2	4
SY60	5.95	14.3	25.9	17.5	3	6
SY80	7.93	19.1	33.9	23.4	7	14
SY100	9.53	23.8	41.9	29.3	12	24
SY120	11.10	28.6	51.4	35.1	20	40
SY140	12.70	33.3	57.5	40.9	30	60
SY160	14.28	38.1	67.4	46.7	45	90

## WA-1,WA-2,WK-1,WK-2,WSA-1,WSA-2,WSK-1,WSK-2 ATTACHMENT

SY Chain No.	Common Dimensions				Original Dimensions					
	M	d	N	S	WA		WK		WSA, WSK	
					J	K	2J	2K	C	X
SY40	24.3	3.6	12.7	7.9	12.7	17.3	25.4	34.6	12.7	17.3
SY50	30.4	5.2	15.9	10.3	15.9	23.3	31.8	46.6	15.9	23.1
SY60	36.5	5.2	19.1	11.9	19.1	28.1	38.1	56.2	18.3	27.1
SY80	48.6	6.8	25.4	15.9	25.4	35.9	50.8	71.8	24.6	34.5
SY100	61.0	8.8	31.8	19.8	31.8	44.3	63.6	88.6	31.8	43.0