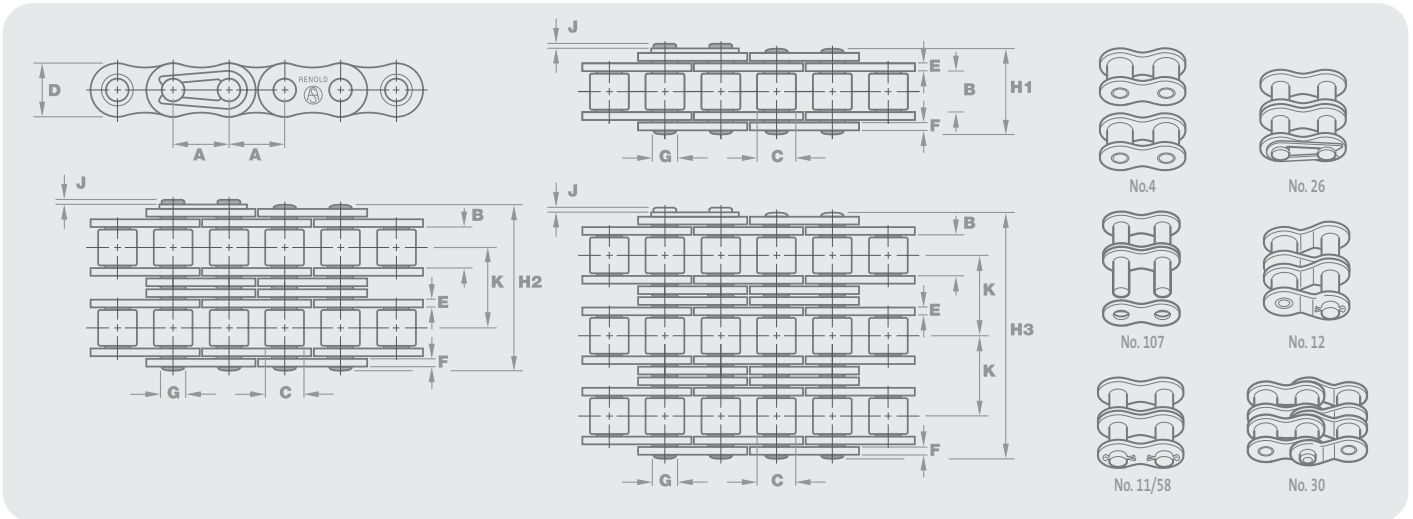


# Renold A&S Roller Chain

## ANSI Standard / ISO 606



Chain Ref.		Technical Details (mm)											Connecting Links								
Renold Chain No.	ISO Ref.	Pitch (inch)	Pitch (mm)	Inside Width	Roller Diam.	Plate Height	Plate Width Inner	Plate Width Outer	Pin Diam.	Pin Length	Conn. Link Extension	Transverse Pitch	ISO606 Tensile Strength (Newtons)	Weight (kg/m)	No. 4	No. 107	No. 11	No. 26	No. 58	No. 12	No. 30
				MIN	MAX	MAX	MAX	MAX	MAX	MAX	MAX	NOM	MIN								

### ANSI Standard - Simplex

		A	A	B	C	D	E	F	G	H1	J	K									
AR25A1 <sup>o</sup>	25-1	0.250	6.350	3.10	3.30	5.90	0.76	0.76	2.30	7.9	1.2	-	3500	0.12	✓	✓	-	✓	-	-	✓
AR35A1 <sup>o</sup>	35-1	0.375	9.525	4.68	5.08	8.60	1.29	1.29	3.59	12.0	1.7	-	7900	0.35	✓	✓	-	✓	-	-	✓
AR40A1	40-1	0.500	12.700	7.85	7.92	11.20	1.55	1.55	3.97	16.4	2.1	-	13900	0.60	✓	✓	-	✓	-	-	✓
AR50A1**	50-1	0.625	15.875	9.40	10.16	14.60	2.04	2.04	5.08	20.4	2.7	-	21800	1.00	✓	✓	✓	✓	-	-	✓
AR60A1**	60-1	0.750	19.050	12.57	11.91	17.50	2.45	2.45	5.94	25.3	2.6	-	31300	1.47	✓	✓	✓	✓	-	-	✓
AR80A1	80-1	1.000	25.400	15.75	15.88	24.13	3.25	3.25	7.94	32.7	3.0	-	55600	2.80	✓	✓	✓	-	✓	✓	-
AR100A1	100-1	1.250	31.750	18.90	19.05	30.17	4.06	4.06	9.54	39.7	4.2	-	87000	4.20	✓	✓	✓	-	✓	✓	-
AR120A1	120-1	1.500	38.100	25.23	22.23	36.20	4.80	4.80	11.11	49.3	5.3	-	125000	5.70	✓	✓	✓	-	✓	✓	-
AR140A1	140-1	1.750	44.450	25.23	25.40	42.23	5.61	5.61	12.71	52.9	5.2	-	170000	7.80	✓	✓	✓	-	✓	✓	-
AR160A1	160-1	2.000	50.800	31.55	28.58	48.26	6.35	6.35	14.29	63.1	6.5	-	223000	10.40	✓	✓	✓	-	✓	✓	-
AR200A1	200-1	2.500	63.500	37.85	39.67	60.33	8.13	8.13	19.85	76.9	9.0	-	347000	17.30	✓	✓	✓	-	✓	✓	-

### ANSI Standard - Duplex

		A	A	B	C	D	E	F	G	H2	J	K									
AR25A2 <sup>o</sup>	25-2	0.250	6.350	3.10	3.30	5.90	0.76	0.76	2.30	14.2	1.2	6.40	7000	0.26	✓	✓	-	✓	-	-	✓
AR35A2 <sup>o</sup>	35-2	0.375	9.525	4.68	5.08	8.60	1.29	1.29	3.59	22.2	1.7	10.13	15800	0.62	✓	✓	-	✓	-	-	✓
AR40A2	40-2	0.500	12.700	7.85	7.92	11.20	1.55	1.55	3.97	30.8	2.1	14.38	27800	1.20	✓	✓	-	✓	-	-	✓
AR50A2	50-2	0.625	15.875	9.40	10.16	14.60	2.04	2.04	5.08	38.4	2.7	18.11	43600	1.98	✓	✓	✓	✓	-	-	✓
AR60A2	60-2	0.750	19.050	12.57	11.91	17.50	2.45	2.45	5.94	48.1	2.6	22.78	62600	2.91	✓	✓	✓	✓	-	-	✓
AR80A2	80-2	1.000	25.400	15.75	15.88	24.13	3.25	3.25	7.94	61.9	3.0	29.29	111200	5.50	✓	✓	✓	-	✓	✓	-
AR100A2	100-2	1.250	31.750	18.90	19.05	30.17	4.06	4.06	9.54	75.4	4.2	35.76	174000	8.40	✓	✓	✓	-	✓	✓	-
AR120A2	120-2	1.500	38.100	25.23	22.23	36.20	4.80	4.80	11.11	94.7	5.3	45.44	250000	11.00	✓	✓	✓	-	✓	✓	-
AR140A2	140-2	1.750	44.450	25.23	25.40	42.23	5.61	5.61	12.71	101.8	5.2	48.87	340000	15.50	✓	✓	✓	-	✓	✓	-
AR160A2	160-2	2.000	50.800	31.55	28.58	48.26	6.35	6.35	14.29	121.6	6.5	58.55	446000	20.60	✓	✓	✓	-	✓	✓	-

### ANSI Standard - Triplex

		A	A	B	C	D	E	F	G	H3	J	K									
AR25A3 <sup>o</sup>	25-3	0.250	6.350	3.10	3.30	5.90	0.76	0.76	2.30	20.8	1.2	6.40	10500	0.39	✓	✓	-	✓	-	-	✓
AR35A3 <sup>o</sup>	35-3	0.375	9.525	4.68	5.08	8.60	1.29	1.29	3.59	32.2	1.7	10.13	23700	0.93	✓	✓	-	✓	-	-	✓
AR40A3	40-3	0.500	12.700	7.85	7.92	11.20	1.55	1.55	3.97	45.1	2.1	14.38	41700	1.80	✓	✓	-	✓	-	-	✓
AR50A3	50-3	0.625	15.875	9.40	10.16	14.60	2.04	2.04	5.08	56.5	2.7	18.11	65400	2.96	✓	✓	✓	✓	-	-	✓
AR60A3	60-3	0.750	19.050	12.57	11.91	17.50	2.45	2.45	5.94	70.9	2.6	22.78	93900	4.38	✓	✓	✓	✓	-	-	✓
AR80A3	80-3	1.000	25.400	15.75	15.88	24.13	3.25	3.25	7.94	91.2	3.0	29.29	166800	8.30	✓	✓	✓	-	-	✓	-
AR100A3	100-3	1.250	31.750	18.90	19.05	30.17	4.06	4.06	9.54	111.2	4.2	35.76	261000	12.60	✓	✓	✓	-	-	✓	-
AR120A3	120-3	1.500	38.100	25.23	22.23	36.20	4.80	4.80	11.11	140.2	5.3	45.44	375000	16.70	✓	✓	✓	-	-	✓	-
AR140A3	140-3	1.750	44.450	25.23	25.40	42.23	5.61	5.61	12.71	150.7	5.2	48.87	510000	23.10	✓	✓	✓	-	-	✓	-
AR160A3	160-3	2.000	50.800	31.55	28.58	48.26	6.35	6.35	14.29	180.2	6.5	58.55	669000	31.00	✓	✓	✓	-	-	✓	-

<sup>o</sup> Bush Chain \*\* Straight side plates available

Renold Chain products that are dimensionally in line with the ISO standard far exceed the stated ISO minimum tensile strength requirements. However Renold does not consider breaking load to be a key indicator of performance because it ignores the principal factors of wear and fatigue. In these areas, Renold products are designed to produce the best possible results and independent testing proves this. In this catalogue, where the ISO breaking load is quoted, it should be noted that we are stating that the A&S chain conforms to the ISO minimum standard. Independent test results show that the minimum (many companies quote averages) breaking loads are far in excess of the ISO minimum. For some chain types the product has no relevant ISO standard. In this case, the breaking loads quoted are the minimum guaranteed.