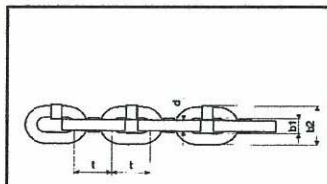
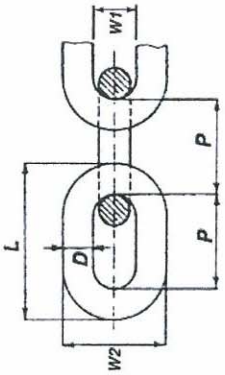
Chain: Dimensions, Weights



Grade 120 Alloy	Nominal Thickness d	Pitch t	Width Inside b1 min	Width Outside b2 max	WLL lb Design Factor 4:1	Breaking Load lb	Weight lb/ft
NI 720 (9/32")	.276 (7mm)	.866	.393	1.024	5200	20800	.874
NI 1020 (3/8")	.394 (10mm)	1.300	.559	1.457	10600	42400	1.747
NI 1320 (1/2")	.512 (13mm)	1.614	.732	1.949	17900	71600	3.091



Diameter	Grade 100 Alloy	Grade 80 Alloy	Grade 50 Stainless Steel	Nominal Diameter D	Pitch P	Inside W1 min	Outside W2 max.	Weight lb/ft
3/16"	-	-	Nik 5	.197	.630	.295	.728	.376
7/32"	Ni 5.50	Ni 5.5	-	.217	.680	.319	.787	.470
9/32"	Ni 70	Ni 7	Nik 7	.276	.826	.375	.992	.738
5/16"	Ni 80	Ni 8	-	.315	.945	.430	1.134	.939
3/8"	Ni 100	Ni 10	Nik 10	.394	1.181	.531	1.417	1.475
1/2"	Ni 130	Ni 13	Nik 13	.512	1.535	.689	1.843	2.548
5/8"	Ni 160	Ni 16	Nik 16	.630	1.890	.846	2.268	3.830
3/4"	Ni 200	Ni 20	-	.787	2.440	1.008	2.776	5.780
7/8"	Ni 220	Ni 22	-	.866	2.598	1.161	3.118	7.324
* 1"	Ni 260	Ni 26	-	1.024	3.071	1.378	3.704	10.214
1-1/4"	-	Ni 32	-	1.260	3.780	1.657	4.646	15.455

* Dimensions are for Grade 100, for Grade 80 the inner width minimum is smaller, also W2 max is bigger.

Chain: Load Rating

Grade 120 Alloy				Grade 100 Alloy				Grade 80 Alloy				Grade 50 Stainless Steel			
Diameter	Working load lb Design factor 4:1	Manufac-turing test load lb	Breaking load lb	Diameter	Working load lb Design factor 4:1	Manufac-turing test load lb	Breaking load lb	Diameter	Working load lb Design factor 4:1	Manufac-turing test load lb	Breaking load lb	Diameter	Working load lb Design factor 4:1	Manufac-turing test load lb	Breaking load lb
												3/16"	1100	2200	4400
				7/32"	2700	5400	10800	7/32"	2100	4200	8400				
9/32"	5200	10400	20800	9/32"	4300	8600	17200	9/32"	3500	7000	14000	9/32"	2200	4400	8800
				5/16"	5700	11400	22800	5/16"	4500	9000	18000				
3/8"	10600	21200	42400	3/8"	8800	17600	35200	3/8"	7100	14200	28400	3/8"	4400	8800	17600
1/2"	17900	35800	71600	1/2"	15000	30000	60000	1/2"	12000	24000	48000	1/2"	7100	14200	28200
				5/8"	22600	45200	90400	5/8"	18100	36200	72400	5/8"	11000	22000	44000
				3/4"	35300	70600	141200	3/4"	28300	56600	113200				
				7/8"	42700	85400	170800	7/8"	34200	68400	136800				
				1"	59700	119400	238800	1"	47700	95400	190800				
								1 1/4"	72300	144600	289200				

Special G100 750 F chain for elevated temperature available. Call for details.