



Alloy Chain cont.



G80 Alloy Chain

Grade 80 chain is commonly used for overhead lifting applications because of its excellent energy absorption properties. Peerless Grade 80 chain meets the latest guidelines of the National Association of Chain Manufacturers (NACM) and ASTM A391/A391M. This is in line with the higher 4-to-1 design factor required by the International Standards Organization (ISO). For fast identification, Peerless Grade 80 chain is embossed USA and stamped P8. **For quality control purposes, Peerless chain is date coded for easy traceability.**

Full Drum

Stock #	Trade Size		Wire Dia. (inches)	Inside Link Dim. (In.)		Ft. Per Drum	Net Wt. (Lbs.)	WLL	
	Inches	MM		Length (Nominal)	Width (Nominal)			Lbs.	Kgs.
Black									
5050223	9/32	7	0.28	0.83	0.42	800	610	3,500	1,588
5050323	5/16	8	0.31	0.95	0.48	500	463	4,500	2,041
5050423	3/8	10	0.39	1.19	0.56	500	737	7,100	3,221
5050623	1/2	13	0.52	1.54	0.76	300	765	12,000	5,443
5050823	5/8	16	0.63	1.89	0.90	200	725	18,100	8,210
5050923	3/4	20	0.78	2.42	1.14	100	575	28,300	12,837
5051023	7/8	22	0.91	2.66	1.25	100	788	34,200	15,513
5051123	1	26	1.03	2.89	1.42	50	549	47,700	21,636
5051223*	1-1/4	32	1.26	3.78	1.64	66	1080	72,300	32,795
5051323*	1-1/2	38	1.50	4.49	1.93	50	1082	100,000	45,359
5051423*	1-3/4	45	1.77	5.32	2.30	98**	2989	131,250	59,534
5051523*	2	50	1.97	5.91	2.56	80**	3011	175,000	79,379

*Sourced by Peerless Industrial Group ** Packaged in wooden box

Half Drum

Stock #	Trade Size		Wire Dia. (inches)	Inside Link Dim. (In.)		Ft. Per Drum	Net Wt. (Lbs.)	WLL	
	Inches	MM		Length (Nominal)	Width (Nominal)			Lbs.	Kgs.
Black									
5050224	9/32	7	0.28	0.83	0.42	400	305	3,500	1,588
5050324	5/16	8	0.31	0.95	0.48	250	232	4,500	2,041
5050424	3/8	10	0.39	1.19	0.56	250	369	7,100	3,221
5050624	1/2	13	0.52	1.54	0.76	150	383	12,000	5,443

LARGE DIAMETER CHAIN

With impressive lifting ranges of 100,000 to 454,600 lbs (3 and 4 leg slings), large diameter chain can be used for virtually any heavy lifting application. When Peerless developed their revolutionary 8 step manufacturing process, we didn't make any compromises. Our goal was to manufacturer the best quality large diameter chain in the market today. We have incorporated technology advances such as flash welding – the best and most consistent way to weld chain today. Great chain is a function of design as well. You will find the strength enhancing features of triple alloy with nickel, chromium, molybdenum and links with a single weld. When you consider all of these enhancements, plus the assurance of proof testing and certification, you will realize that Peerless large diameter alloy chain is tough enough to handle any lifting application.



Chain Sling Working Load Limit Specifications

Use this table as a guide to determine which chain sizes and leg styles are best for your requirements. Using the maximum load (or loads) you will lift, and the angle of lift required – work to the left across this table to determine proper chain size for your sling. Working load limit of the chain and components is established as pounds applied at the indicated degrees from horizontal. The rated capacity of the sling must be based on the smallest horizontal angle. For angles not shown, use the next lower angle or have a qualified person calculate the rated load for the new angle. When using hooks in a shortening (grab) or choker application, the Working Load Limit (WLL) of the sling must be reduced by 20%.

Chain Size		Single Leg Sling	Double Leg Sling			Triple & Quad Leg Sling		
Inches	MM		60°	45°	30°	60°	45°	30°
Grade 80								
7/32	6	2,100	3,600	3,000	2,100	5,500	4,400	3,200
9/32	7	3,500	6,100	4,900	3,500	9,100	7,400	5,200
5/16	8	4,500	7,800	6,400	4,500	11,700	9,500	6,800
3/8	10	7,100	12,300	10,000	7,100	18,400	15,100	10,600
1/2	13	12,000	20,800	17,000	12,000	31,200	25,500	18,000
5/8	16	18,100	31,300	25,600	18,100	47,000	38,400	27,100
3/4	20	28,300	49,000	40,000	28,300	73,500	60,000	42,400
7/8	22	34,200	59,200	48,400	34,200	88,900	72,500	51,300
1	26	47,700	82,600	67,400	47,700	123,900	101,200	71,500
1-1/4	32	72,300	125,200	102,200	72,300	187,800	153,400	108,400
1-1/2	38	100,000	173,200	141,400	100,000	259,800	212,100	150,000
1-3/4	45	131,250	227,300	185,600	131,250	341,000	278,400	196,900
2	50	175,000	303,100	247,500	175,000	454,600	371,200	262,500
Grade 100								
7/32	6	2,700	4,700	3,800	2,700	7,000	5,700	4,000
9/32	7	4,300	7,400	6,100	4,300	11,200	9,100	6,400
5/16	8	5,700	9,900	8,100	5,700	14,800	12,100	8,500
3/8	10	8,800	15,200	12,400	8,800	22,900	18,700	13,200
1/2	13	15,000	26,000	21,200	15,000	39,000	31,800	22,500
5/8	16	22,600	39,100	32,000	22,600	58,700	47,900	33,900
3/4	20	35,300	61,100	49,900	35,300	91,700	74,900	53,000
7/8	22	42,700	74,000	60,400	42,700	110,900	90,600	64,000
1	26	59,700	103,400	84,400	59,700	154,800	126,400	89,300

- DO NOT** load an assembly in excess of the rated working load limits in the chart above.
- DO NOT** put an unequal load on one leg of a sling. Distribute the load evenly.
- DO NOT** expose assembly to impact, rapid lifts or sudden stops.
- DO NOT** tie knots or allow chains to become twisted.
- DO NOT** use chain that appears to be defective, worn or damaged.
- DO NOT** fasten chain over sharp corners or edges. Protect with padding.
- DO NOT** tip load hooks. The latch must NEVER support the load.

When using non-cradle or non-shortening grab hooks in a shortening or choker application, the Working Load Limit (WLL) of the sling must be reduced by 20%

Reference the **SAFETY GUIDELINES** section of this catalog for more information.



DO NOT EXCEED CAPACITY!
See the CAUTIONS & WARNINGS section before using these products. Pages 134-145.