



## Alloy Chain

Peerless alloy chain is rugged, versatile, high-strength, low-weight chain manufactured from special analysis alloy steel. It is quenched and tempered before proof testing and the ultimate tensile strength is over twice that of ordinary steel chain.

### G100 Alloy Chain

Similar to the Grade 80 chain, Grade 100 chain is commonly used for overhead lifting applications, however, Grade 100 chain has the greatest strength to weight ratio of the alloy chains. With a 4-to-1 design factor, Peerless Grade 100 chain and components meet the latest guidelines of the National Association of Chain Manufacturers (NACM), ASTM A952/A952M and ASTM A973/A973M. For fast identification, Peerless Grade 100 chain is embossed USA and stamped P10. **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	
Black	Silver Shield™	Inches	MM		Length (Nominal)	Width (Nominal)			Lbs.	Kgs.
5510223	5510243	9/32	7	0.29	0.87	0.42	800	616	4,300	1,950
5510323	5510343	5/16	8	0.33	1.01	0.49	500	560	5,700	2,585
5510423	5510443	3/8	10	0.39	1.23	0.58	500	760	8,800	3,992
5510623	5510643	1/2	13	0.53	1.57	0.77	300	836	15,000	6,804
5510823	5510843	5/8	16	0.64	1.96	0.90	200	757	22,600	10,251
5510923	---	3/4	20	0.81	2.42	1.14	100	629	35,300	16,012
5511023	---	7/8	22	0.91	2.66	1.25	100	794	42,700	19,368
5511123	---	1	26	1.06	3.09	1.42	50	505	59,700	27,079

#### Now Available with Silver Shield™ finish!

The Peerless proprietary Silver Shield™ process is a Zinc Mechanical Deposit galvanizing coating. The Silver Shield process is an applicable corrosion prevention technology for high strength alloy chain like G100 or G80. The chain is not heated during the galvanizing process so there is no reduction in working load limit.

#### 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.
5510224	9/32	7	0.29	0.87	0.42	400	308	4,300	1,950
5510324	5/16	8	0.33	1.01	0.49	250	280	5,700	2,585
5510424	3/8	10	0.39	1.23	0.58	250	380	8,800	3,992
5510624	1/2	13	0.53	1.57	0.77	150	418	15,000	6,804
5510824	5/8	16	0.64	1.96	0.90	100	379	22,600	10,251



### WHY CHOOSE GRADE 100 OVER GRADE 80?

- Grade 100 is on average a 25% greater Working Load Limit (WLL) over Grade 80.
- Users can experience more working power (WLL) with a smaller diameter chain based upon application.
- Grade 100 reduces the wear on the outer links from dragging on continuous contact with abrasive materials - and because Grade 100 is harder and more durable, inner link wear associated with normal use is reduced as well - which extends the life of the chain.
- Special chemistry and heat treating processes make Grade 100 our strongest chain option.



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

## 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°
<b>Grade 80</b>								
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
<b>Grade 100</b>								
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.



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