

1-800-GRAINGER (472-4643)



Poly Cord Strapping

Embedded cords provide more strength and higher resistance to shock and tearing than standard polyester. Poly cord is similar in strength to steel strapping but is more flexible. It does not scratch or mar surfaces and is more resistant to shock. It won't rust and withstands temperature changes when used outdoors. The ends are secured using a handle tie or sealed with a strapping buckle, seal, friction weld, or heat. Apply and seal using a strapping machine or manually-operated tools.



Nonwoven—Light-duty strapping (sometimes called composite strapping) has embedded fibers along its length to resist snapping and tearing when securing light-weight boxes, papers, and magazines.

Woven—This nonmarring cord is used to secure heavier loads than nonwoven poly cord. Fibers run the length of the strapping and across the strapping to provide added strength and resistance to breaking. Use to secure bundles of brick, stone, and steel.

Break Strength	Overall Length	Color	Strapping Width	Core Width	Core Size	Coil Width	Brand	Item No.	Pkg. Qty.
Nonwoven Poly Cord Strapping									
1/2 in Strap Width									
1,279 lb	3,623 ft	Natural	1/2 in	5 1/2 in	3 in Dia	13 1/2"	Caristrap	4DWT9	2
3/4 in Strap Width									
1,225 lb	1,960 ft	White	3/4 in	8 in	8 in Dia	8"	—	16P073	1
1,627 lb	2,843 ft	Natural	3/4 in	5 1/2 in	3 in Dia	13 1/2"	Caristrap	4DWU3	2
1 in Strap Width									
1,400 lb	1,640 ft	White	3/4 in	8 in	8 in Dia	8"	—	16P074	1
1,830 lb	1,640 ft	Natural	3/4 in	5 1/2 in	3 in Dia	11 1/2"	Caristrap	4DWT8	2
2,130 lb	2,423 ft	Natural	3/4 in	5 1/2 in	3 in Dia	13 1/2"	Caristrap	4DWT7	2
1 1/4 in Strap Width									
2,811 lb	1,647 ft	Natural	1 in	5 1/2 in	3 in Dia	16"	Caristrap	4DWT8	2
1 1/2 in Strap Width									
3,527 lb	525 ft	Natural	1 1/4 in	1 1/4 in	3 1/2 in Dia	18"	Caristrap	4DXA1	2
3,527 lb	1,082 ft	Natural	1 1/4 in	5 1/2 in	3 in Dia	15"	Caristrap	4DWU8	2
Woven Poly Cord Strapping									
1/4 in Strap Width									
350 lb	7,800 ft	White	1/4 in	6 in	4 in Dia	6"	—	40TP73	1
3/8 in Strap Width									
525 lb	5,250 ft	White	3/8 in	6 in	4 in Dia	6"	—	16P066	1
1/2 in Strap Width									
650 lb	1,500 ft	White	1/2 in	6 in	4 in Dia	6"	—	16P067	1
700 lb	3,900 ft	White	1/2 in	6 in	4 in Dia	6"	—	16P068	1
1,279 lb	3,624 ft	Natural	1/2 in	5 1/2 in	3 in Dia	13 1/2"	Caristrap	4DWY4	2
1,528 lb	3,085 ft	Natural	1/2 in	5 1/2 in	3 in Dia	13 1/2"	Caristrap	4DWY5	2
3/4 in Strap Width									
850 lb	3,000 ft	White	3/4 in	6 in	4 in Dia	6"	—	16P069	1
1,623 lb	2,910 ft	Natural	3/4 in	5 1/2 in	3 in Dia	13 1/2"	Caristrap	4DWY7	2
1 in Strap Width									
1,050 lb	2,100 ft	White	3/4 in	6 in	4 in Dia	6"	—	16P070	1
1,830 lb	1,320 ft	White	3/4 in	6 in	4 in Dia	5"	—	2CXP8	1
1,830 lb	1,640 ft	Natural	3/4 in	5 1/2 in	3 in Dia	11 1/2"	Caristrap	4DWY2	2
2,248 lb	2,056 ft	Natural	3/4 in	5 1/2 in	3 in Dia	13 1/2"	Caristrap	4DWY9	2
2,500 lb	250 ft	White	3/4 in	6 in	3 1/2 in Dia	6"	—	16P071	1
3,450 lb	1,332 ft	Natural	3/4 in	5 1/2 in	3 in Dia	13 1/2"	Caristrap	4DWZ2	2
1 1/4 in Strap Width									
3,285 lb	330 ft	Green	1 1/4 in	1 1/4 in	—	11 1/4"	—	2CXP9	1
3,527 lb	525 ft	Green	1 1/4 in	1 1/4 in	3 1/2 in Dia	18"	Caristrap	4DWZ3	2
3,527 lb	1,083 ft	Green	1 1/4 in	5 1/2 in	3 in Dia	15"	Caristrap	4DWZ5	2
1 1/2 in Strap Width									
5,400 lb	479 ft	Blue	1 1/2 in	1 1/2 in	3 1/2 in Dia	19 1/2"	Caristrap	4DWY6	2

Buckles for Poly Cord Strapping

Metal buckles maintain tension on poly cord strapping. Each end of the strapping is wrapped around the buckle and tightened using a tensioning tool. The buckles use strap tension to hold strapping in place and do not require sealing. They have a phosphated seal finish. **Standard-duty buckles** secure poly strapping in light-to-medium weight strapping applications. **Heavy-duty buckles** resist corrosion and secure poly strapping in medium- to heavy-duty applications, such as securing lumber, bricks, stone, metal, and pallets.

Fits Strap Width	Seal Inside Width	Seal Applic.	Brand	Item No.	Pkg. Qty.
Standard Duty Buckles					
3/8"	3/8 in	Regular Duty Tension	Caristrap	4DXC8	1000
3/4"	3/4 in	Regular to Heavy Duty Tension	Caristrap	4DXC2	1000
Heavy Duty Buckles					
3/4"	3/4 in	Heavy Duty Seals	—	2CXR1	1000
3/4"	3/4 in	Extra Heavy, Special Duty Tension	Caristrap	4DXC3	500
1 1/2"	1 in	Special Duty Tension	Caristrap	4DXC7	200
1"	1 in	Heavy Duty Tension	Caristrap	4DXC5	500
1 1/4"	1 1/4 in	Heavy Duty Seals	—	2CXR2	250
1 1/4"	1 1/4 in	Extra Heavy Duty Tension	Caristrap	4DXC6	250



Poly Cord Strapping Kits

These kits include a selection of items that work together to hold, store, transport, tension, and seal poly cord strapping. **Metal buckles** secure heavy products such as lumber, bricks, stone, or metal. **Plastic buckles** resist corrosion, won't scratch packages, and are ideal for bundles shipped using the U.S. Postal Service. **Strapping, tensioner, buckles, and tool box kit** lets your wrap strapping around a box, bundle, or item and then wrap each end of the strapping around the buckle. Pull the strapping tight using a tensioner. Buckles use strap tension to hold strapping in place and do not require sealing. Tool boxes hold and transport all necessary items.

Fits Strap Width	Thickness	Break Strength	Strapping Length	Core Dia.	Color	Coil Width	Brand	Item No.
Strapping and Metal Buckles								
1/2 in	29.9 mil	1,279 lb	820 ft	3"	Natural	13 1/2"	Caristrap	4DWX5
1/2 in	32.2 mil	1,276 lb	820 ft	3"	Natural	13 1/2"	Caristrap	4DWX3
3/8 in	29.9 mil	1,623 lb	820 ft	3"	Natural	13 1/2"	Caristrap	4DWX6
3/8 in	32.2 mil	1,623 lb	820 ft	3"	Natural	13 1/2"	Caristrap	4DWX4
Standard								
1/2 in	0.018 in	300 lb	17 ft	—	Black	—	—	16P025
Strapping and Plastic Buckles								
Standard								
1/2 in	0.018 in	300 lb	17 ft	—	White	—	—	16P026
Strapping, Tensioner, Buckles and Tool Box								
3/4 in	High Tensile	2,500 lb	1,640 ft	3"	Natural	11 1/2"	Caristrap	4DXD4
3/4 in	High Tensile	2,500 lb	250 ft	3 1/2"	Orange	6"	—	3CUN6



Tools for Poly Cord Strapping

Tension and cut strapping after it has been threaded through a buckle. Correct tensioning ensures bundles or packages stay secure. **Manual tools** can be carried to a work location. They do not require an external power source or attachments, so are often used in low-volume applications where access to a power source is limited. **Battery tool** is rechargeable and easily moved around a worksite. **Pneumatic tool** speeds processing and reduces fatigue compared to manual tools when used in medium-to-high volume settings.

Fits Strap Tensile	Fits Strap Width	Seal Surface Type	Tool Wt.	Brand	Item No.
Manual Tools					
Standard Duty					
2811 ft-lb	1/2 in to 3/4 in	Flat	3 lb	Caristrap	4DXA4
.020 to .031	1/2 in to 3/4 in	Flat	4 lb	Mip	52W81
Heavy Duty					
.070	1/2 in to 3/4 in	Flat	4 lb	Teknika	49NT97
.020 to .040	1/2 in to 3/4 in	Flat	5 lb	Mip	52W82
5400 lb	1/2 in to 1 1/2 in	Flat	6 lb	—	2CXR3
5400 ft-lb	3/4 in to 1 1/2 in	Flat	4 lb	Caristrap	4DXA6
—	3/4 in to 1 1/2 in	Round	5 lb	Caristrap	4DXA7
Battery Tool					
Standard Duty					
.040	1/2 in to 3/4 in	—	13 lb	Orgapack	55NV92
Pneumatic Tool					
Heavy Duty					
5400 lb	3/4 in to 1 1/2 in	Flat	10 lb	Caristrap	4DXA8

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