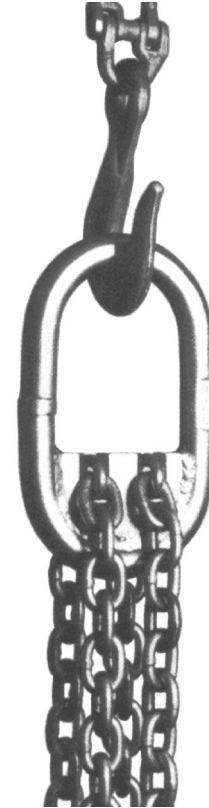
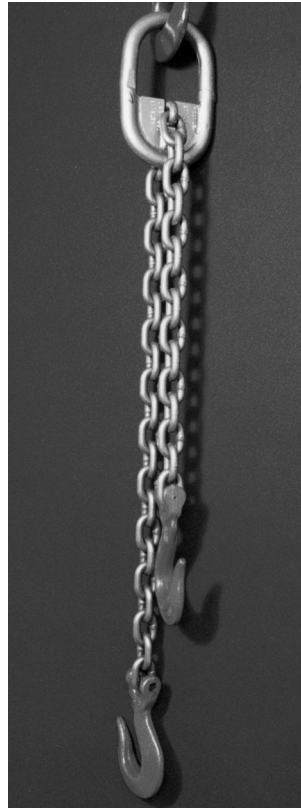
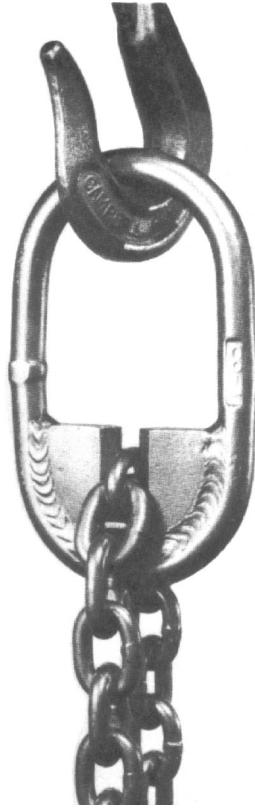




Chain Sling Saddle Rings

ALLOWS ADJUSTMENT OF CHAIN REACH



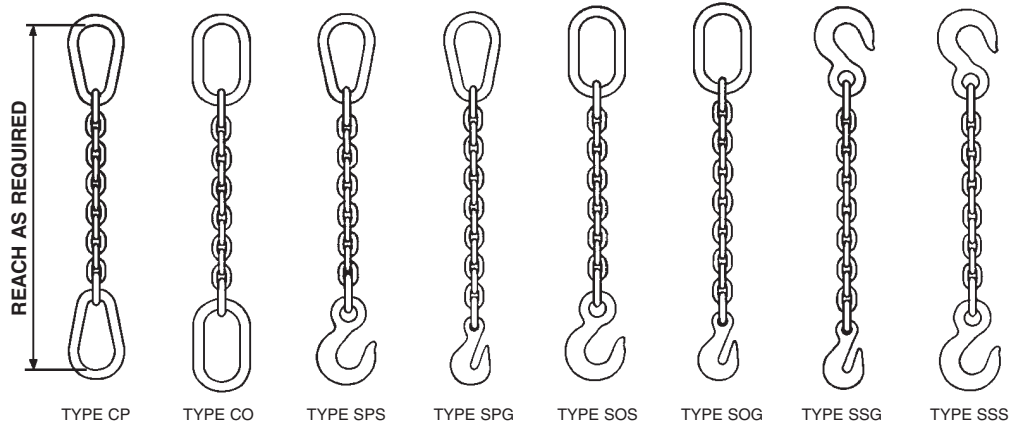
US Patent #4,241,575

Canadian Patent #1,086,510 British Patent #2,029,370

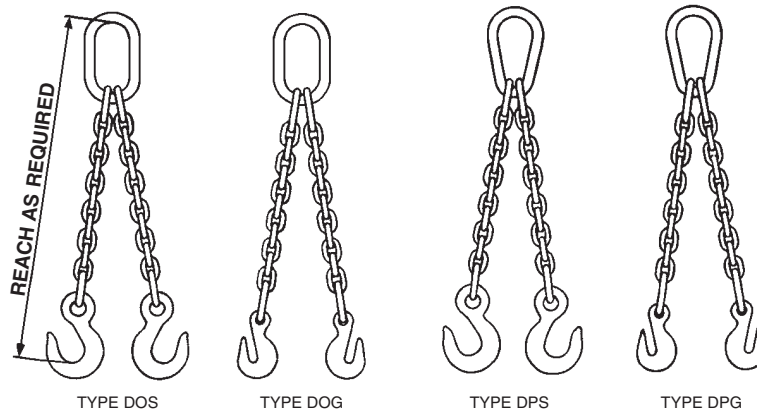
SAME STRENGTH AS STANDARD CHAIN SLINGS,
ONLY MORE ECONOMICAL

| System | Chain Size Inches | Single Branch Sling 90 degree Loading | Double Sling | | | Triple and Quadruple Sling | | |
|--------|-------------------|---------------------------------------|--------------|-----------|-----------|----------------------------|-----------|-----------|
| | | | 60 degree | 45 degree | 30 degree | 60 degree | 45 degree | 30 degree |
| 10 | 9/32 | 4,300 | 7,500 | 6,100 | 4,300 | 11,200 | 9,100 | 6,450 |
| 10 | 3/8 | 8,800 | 15,200 | 12,400 | 8,800 | 22,800 | 18,600 | 13,200 |
| 10 | 1/2 | 15,000 | 26,000 | 21,200 | 15,000 | 39,000 | 31,800 | 22,500 |
| 10 | 5/8 | 22,600 | 39,000 | 32,000 | 22,000 | 58,700 | 47,900 | 33,900 |
| 10 | 3/4 | 35,300 | 61,100 | 49,900 | 35,300 | 91,700 | 74,900 | 53,000 |
| 10 | 7/8 | 42,700 | 74,000 | 60,400 | 42,700 | 110,900 | 90,600 | 64,000 |
| 8 | 1 | 47,700 | 82,600 | 67,400 | 47,700 | 123,900 | 101,200 | 71,500 |
| 8 | 1-1/4 | 72,300 | 125,200 | 102,200 | 72,300 | 187,800 | 153,400 | 108,400 |
| 8 | 1-1/2 | 80,000 | 138,600 | 113,100 | 80,000 | _____ | _____ | _____ |

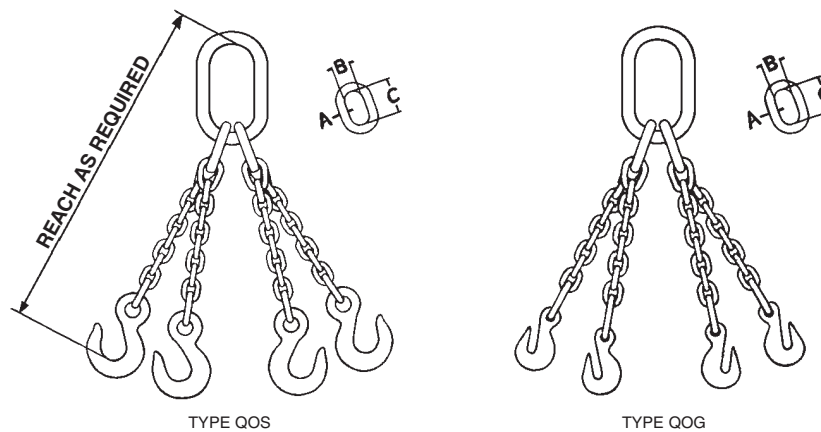
SINGLE TYPES: S and C



DOUBLE TYPE: D



QUADRUPLE TYPE: Q





Alloy Chain Slings

RATED CAPACITY (WORKING LOAD LIMIT) FOR ALLOY STEEL CHAIN SLINGS*
 RATED CAPACITY (WORKING LOAD LIMIT), POUNDS SYSTEM 8

| System 8 Chain Size Inches | Single Branch Sling 90 degree Loading | Double Sling | | | Triple and Quadruple Sling | | |
|----------------------------|---------------------------------------|--------------|-----------|-----------|----------------------------|-----------|-----------|
| | | 60 Degree | 45 Degree | 30 Degree | 60 Degree | 45 Degree | 30 Degree |
| 9/32 | 3,500 | 6,100 | 4,900 | 3,500 | 9,100 | 7,400 | 5,200 |
| 3/8 | 7,100 | 12,300 | 10,000 | 7,100 | 18,400 | 15,100 | 10,600 |
| 1/2 | 12,000 | 20,800 | 17,000 | 12,000 | 31,200 | 25,500 | 18,000 |
| 5/8 | 18,100 | 31,300 | 25,600 | 18,100 | 47,000 | 38,400 | 27,100 |
| 3/4 | 28,300 | 49,000 | 40,000 | 28,300 | 73,500 | 60,000 | 42,400 |
| 7/8 | 34,200 | 59,200 | 48,400 | 34,200 | 88,900 | 72,500 | 51,300 |
| 1 | 47,700 | 82,600 | 67,400 | 47,700 | 123,900 | 101,200 | 71,500 |
| 1-1/4 | 72,300 | 125,200 | 102,200 | 72,300 | 187,800 | 153,400 | 108,400 |
| 1-1/2 | 80,000 | 138,600 | 113,100 | 80,000 | | | |

Rating of multi leg slings adjusted for angle of loading between the inclined leg and the horizontal plane of the load.

*Other grades of proof tested steel chain include Proof Coil, BBB Coil and Hi-Test Chain. These grades are not recommended for overhead lifting and therefore are not covered by this code.



Basic Types of Chain Slings

Slings are designated throughout the industry by the symbols.

First Symbol (Basic Type)

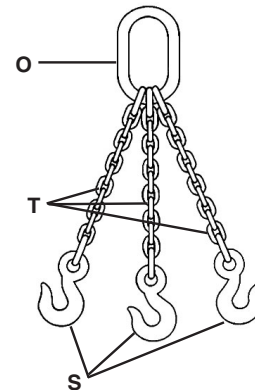
- S** Single Chain Sling with master link and hook, or hook each end.
- C** Single Choker Chain Sling with master link each end. No hooks.
- D** Double Chain Sling with standard master link and hooks.
- T** Triple Chain Sling with standard master link and hooks.
- Q** Quadruple Chain Sling with standard master link and hooks.

Second Symbol (Type of master link or end link)

- O** Standard Oblong Master Link – Recommended for all types.

Third Symbol (Type of Hooks)

- S** Sling Hook
- G** Grab Hook
- F** Foundry Hook
- L** Latch Lock Hook



QUALITY CHAIN SLINGS – PROMPT SERVICE, INSPECTION AND REPAIR

Follow OSHA, ANSI B30.9 and Manufacturers Guidelines. Can fail if damaged, misused or overloaded. Inspect before use. Use only if trained. Do not exceed rated capacity. Protect sling from contact with edges. DEATH and INJURY can occur from improper use or maintenance.





Engineering Specifications

System 3

| GRADE 3 PROOF - SYSTEM 3 CHAIN | | |
|--------------------------------|---------------------------|----------------------------|
| Trade Size Inches | Working Load Limit Pounds | Weight Per 100 Feet Pounds |
| 3/16 | 800 | 37 |
| 1/4 | 1,300 | 60 |
| 5/16 | 1,900 | 80 |
| 3/8 | 2,650 | 138 |
| 1/2 | 4,500 | 238 |
| 5/8 | 6,900 | 390 |
| 3/4 | 10,600 | 536 |

System 4

| GRADE 4 HIGH TEST - SYSTEM 4 CHAIN | | |
|------------------------------------|---------------------------|----------------------------|
| Trade Size Inches | Working Load Limit Pounds | Weight Per 100 Feet Pounds |
| 1/4 | 2,600 | 63 |
| 5/16 | 3,900 | 102 |
| 3/8 | 5,400 | 155 |
| 7/16 | 7,200 | 216 |
| 1/2 | 9,200 | 238 |
| 5/8 | 11,500 | 356 |
| 3/4 | 16,200 | 581 |

System 7

| GRADE 7 TRANSPORT - SYSTEM 7 CHAIN | | |
|------------------------------------|---------------------------|----------------------------|
| Trade Size Inches | Working Load Limit Pounds | Weight Per 100 Feet Pounds |
| 1/4 | 3,150 | 94 |
| 5/16 | 4,700 | 111 |
| 3/8 | 6,600 | 142 |
| 7/16 | 8,750 | 212 |
| 1/2 | 11,300 | 238 |

System 8

| GRADE 8 ALLOY CHAIN | | |
|---------------------|---------------------------|----------------------------|
| Trade Size Inches | Working Load Limit Pounds | Weight Per 100 Feet Pounds |
| 7/32 | 2,100 | 42 |
| 9/32 | 3,500 | 71 |
| 5/16 | 5,100 | 89 |
| 3/8 | 7,100 | 144 |
| 1/2 | 12,000 | 236 |
| 5/8 | 18,100 | 380 |
| 3/4 | 28,300 | 556 |
| 7/8 | 34,200 | 735 |
| 1 | 47,700 | 975 |
| 1-1/4 | 72,300 | 1522 |

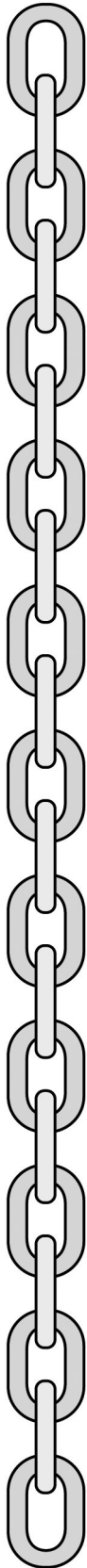
System 10

| CAM-ALLOY CHAIN | | |
|-------------------|---------------------------|----------------------------|
| Trade Size Inches | Working Load Limit Pounds | Weight Per 100 Feet Pounds |
| 9/32 | 4,300 | 74 |
| 3/8 | 8,800 | 148 |
| 1/2 | 15,000 | 250 |
| 5/8 | 22,600 | 379 |
| 3/4 | 35,300 | 610 |
| 7/8 | 42,700 | 775 |



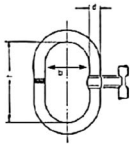
Stainless Steel Chain Slings

GRADE 50 TYPE 316L STAINLESS STEEL LIFTING CHAIN PROGRAM



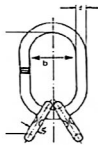
Stainless Steel Chain Grade 50 AISI 316 L

| Measures Article-No. | WLL, lbs in Inches | Weight, lbs SF 4:1 | approx/ft | Chain Size |
|----------------------|--------------------|--------------------|-----------|------------|
| 105515 | 0,197 x 0,590 | 1,100 | 0.362 | 3/16 |
| 105660 | 0,236 x 0,710 | 1,650 | 0.536 | 7/32 |
| 105670 | 0,276 x 0,827 | 2,200 | 0.738 | 9/32 |
| 105680 | 0,315 x 0,945 | 2,800 | 0.939 | 5/16 |
| 105610 | 0,394 x 1,181 | 4,400 | 1.476 | 3/8 |
| 105613 | 0,512 x 1,535 | 7,100 | 2.549 | 1/2 |
| 105613 | 0,630 x 1,890 | 11,000 | 3.823 | 5/8 |



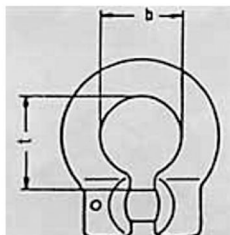
Stainless Steel Masterlink, welded AISI 316 L Grade 50

| Article-No. | Code-Type | Measures in Inches | WLL, lbs SF 4:1 | Weight lbs/pc | For Chain |
|-------------|--------------|----------------------|-----------------|---------------|-------------|
| 177610 | NAF 05 | 3/8 x 3,15 x 1,97 | 1,900 | 0.440 | 3/16 |
| 177613 | NAF 0606 | 1/2 x 4,33 x 2,36 | 2,900 | 0.748 | 7/32 |
| 177616 | NAF 08 | 5/8 x 4,33 x 2,36 | 3,800 | 1.166 | 5/16 |
| 177618 | NAF 1008(07) | 3/4 x 5,31 x 2,95 | 4,400 | 1.760 | 5/16 & 9/32 |
| 177622 | NAF 1310 | 7/8 x 6,30 x 3,54 | 7,500 | 3.300 | 3/8 & 1/2 |
| 177626 | NAF 1613 | 1 x 7,09 x 3,94 | 12,100 | 5.060 | 5/8 & 1/2 |
| 177632 | NAF 1816 | 1 1/4 x 7,87 x 4,33 | 18,700 | 8.580 | 5/8 - 2leg |
| 177636 | NAF 2018 | 1 1/2 x 10,24 x 5,51 | 23,200 | 13.970 | 3/4 |



Stainless Steel Master Link Assemblies, welded AISI 316 L Grade 50

| Article-No. | Code-Type | Measures in Inches | WLL, lbs SF 4:1 | Weight lbs/pc | For Chain |
|-------------|-----------|---------------------------|-----------------|---------------|-------------|
| 178613 | NATF 05 | 1/2 + 3/8 x 3,15 x 1,97 | 2,900 | 1.150 | 3/16 |
| 178613 | NATF 05 | 1/2 + 3/8 x 3,15 x 1,97 | 2,900 | 1.150 | 3/16 |
| 178618 | NATF 0607 | 3/4 + 1/2 x 2,13 x 0,98 | 4,400 | 2.640 | 7/32 & 9/32 |
| 178622 | NATF 08 | 7/8 + 5/8 x 2,76 x 1,34 | 7,500 | 5.060 | 5/16 |
| 178626 | NATF 10 | 1 + 3/4 x 3,35 x 1,57 | 12,100 | 7.832 | 3/8 |
| 178632 | NATF 13 | 1 1/4 + 7/8 x 4,53 x 1,97 | 18,700 | 13.310 | 1/2 |
| 178636 | NATF 16 | 1 1/2 + 1 x 5,51 x 2,56 | 23,200 | 22.000 | 5/8 |



Stainless Steel Clevis - Connecting link AISI 316 L Grade 50

| Article-No. | Code-Type | WLL, lbs SF 4:1 | Weight lbs/pc | For Chain |
|-------------|-----------|-----------------|---------------|-----------|
| 199606 | NGS 06 | 1,650 | 0.35 | 7/32 |
| 199608 | NGS 08 | 2,800 | 0.51 | 5/16 |
| 199610 | NGS 10 | 4,400 | 1.01 | 3/8 |
| 199613 | NGS 13 | 7,100 | 1.48 | 1/2 |
| 199616 | NGS 16 | 11,000 | 2.49 | 5/8 |

Note: Sizes 3/16 and 9/32 are under development for the US market.

| Article-No. | Code-Type | Measures in mm (t x b) | Measures in Inches |
|-------------|-----------|------------------------|--------------------|
| 199605 | NGS 05 | | |
| 199606 | NGS 06 | 26x21 | 1,02 x 0,83 |
| 199607 | NGS 07 | | |
| 199608 | NGS 08 | 30x24 | 1,18 x 0,94 |
| 199610 | NGS 10 | 40x28 | 1,57 x 1,10 |
| 199613 | NGS 13 | 44x34 | 1,73 x 1,34 |
| 199616 | NGS 16 | 50x39 | 1,97 x 1,54 |

Product May Fail if Damaged, Misused, or Overloaded

WARNING

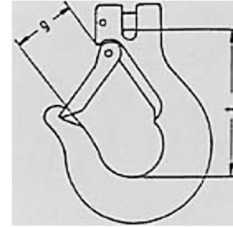


Stainless Steel Chain Slings

GRADE 50 TYPE 316L STAINLESS STEEL LIFTING CHAIN PROGRAM

Stainless Steel Clevis Sling Hook AISI 316 L Grade 50

| Article-No. | Code-Type | WLL, lbs SF 4:1 | Weight lbs/pc | For Chain |
|-------------|-----------|--------------------|------------------|-----------|
| 176606 | NGHF 06 | 1,650 | 0.88 | 7/32 |
| 176608 | NGHF 08 | 2,800 | 1.67 | 5/16 |
| 176610 | NGHF 10 | 4,400 | 3.17 | 3/8 |
| 176613 | NGHF 13 | 7,100 | 5.72 | 1/2 |
| 176616 | NGHF 16 | 11,000 | 10.78 | 5/8 |

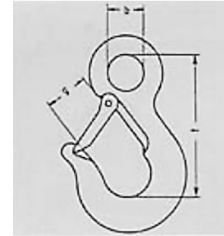


| Article-No. | Code-Type | Measures in mm (t x b) | Measures in Inches |
|-------------|-----------|---------------------------|-----------------------|
| 176605 | NGHF 05 | | |
| 176606 | NGHF 06 | 81x26 | 3,19 x 1,02 |
| 176607 | NGHF 07 | | |
| 176608 | NGHF 08 | 101x35 | 3,98 x 1,38 |
| 176610 | NGHF 10 | 121x39 | 4,76 x 1,50 |
| 176613 | NGHF 13 | 138x53 | 5,43 x 2,09 |
| 176616 | NGHF 16 | 176x69 | 6,93 x 2,72 |

Note: Sizes 3/16 and 9/32 are under development for the US market.

Stainless Steel Eye Sling Hook AISI 316 L Grade 50

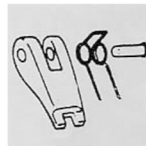
| Article-No. | Code-Type | WLL, lbs SF 4:1 | Weight lbs/pc | For Chain |
|-------------|-------------|--------------------|------------------|-------------|
| 175606 | NOHF 6(5+6) | 1,650 | 0.77 | 3/16 & 7/32 |
| 175608 | NOHF 8(7+8) | 2,800 | 1.78 | 9/32 & 5/16 |
| 175610 | NOHF 10 | 4,400 | 3.02 | 3/8 |
| 175613 | NOHF 13 | 7,100 | 6.16 | 1/2 |
| 175616 | NOHF 16 | 11,000 | 11.66 | 5/8 |



| Article-No. | Code-Type | Measures in mm (t x g x b) | Measures in Inches |
|-------------|-------------|-------------------------------|-----------------------|
| 175606 | NOHF 6(5+6) | 102x26x24 | 4,02 x 1,03 x 0,94 |
| 175608 | NOHF 8(7+8) | 120x35x28 | 4,72 x 1,38 x 1,10 |
| 175610 | NOHF 10 | 145x39x35 | 5,71 x 1,54 x 1,38 |
| 175613 | NOHF 13 | 175x53x45 | 6,89 x 2,09 x 1,77 |
| 175616 | NOHF 16 | 221x69x56 | 8,07 x 2,72 x 2,20z |

Stainless Steel Repair Latch AISI 316 L Grade 50 for NGHF and NOHF

| Article-No. | Code-Type | Weight lbs approx |
|-------------|-----------|----------------------|
| 175905 | NSG 05 | 0.062 |
| 175906 | NSG 06 | 0.066 |
| 175907 | NSG 07 | 0.099 |
| 175908 | NSG 08 | 0.110 |
| 175910 | NSG 10 | 0.209 |
| 175913 | NSG 13 | 0.330 |
| 175916 | NSG 16 | 0.550 |



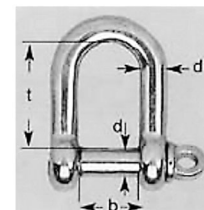
Stainless Steel Shortening Clutch AISI 316 L Grade 50

| Code-Type | WLL, lbs SF 4:1 | Weight lbs/pc | For Chain |
|-----------|--------------------|------------------|-----------|
| NV 05 | 1,100 | | 3/16 |
| NV 06 | 1,650 | 0.45 | 7/32 |
| NV 07 | 2,200 | | 9/32 |
| NV 08 | 2,800 | 0.76 | 5/16 |
| NV 10 | 4,400 | 1.74 | 3/8 |
| NV 13 | 7,100 | 2.71 | 1/2 |
| NV 16 | 11,000 | | 5/8 |

Minimum order quantity for NV5 and NV7 is 20 pcs each. These sizes and size NV16 are under development for the US market.

Stainless Steel D-Shackle AISI 316 Grade 50

| Article-No. | Code-Type | Measures in Inches | WLL, lbs SF 4:1 | Weight lbs/pc | For Chain |
|-------------|-----------|-----------------------|--------------------|------------------|-------------|
| 184605 | NSA 05 | 0,315 x 1,10 x 0,67 | 1,100 | 0.128 | 3/16 |
| 184606 | NSA 06 | 0,39 x 1,38 x 0,79 | 1,650 | 0.255 | 7/32 |
| 184608 | NSA 07/08 | 0,47 x 1,65 x 0,98 | 2,800 | 0.429 | 9/32 & 5/16 |
| 184610 | NSA 10 | 0,63 x 2,52 x 1,26 | 4,400 | 0.770 | 3/8 |
| 184613 | NSA 13 | 0,75 x 2,99 x 1,50 | 7,100 | 1.386 | 1/2 |
| 184616 | NSA 16 | 0,87 x 3,46 x 1,73 | 11,000 | 1.944 | 5/8 |



WARNING

Do Not Lift People or Carry Loads Over People