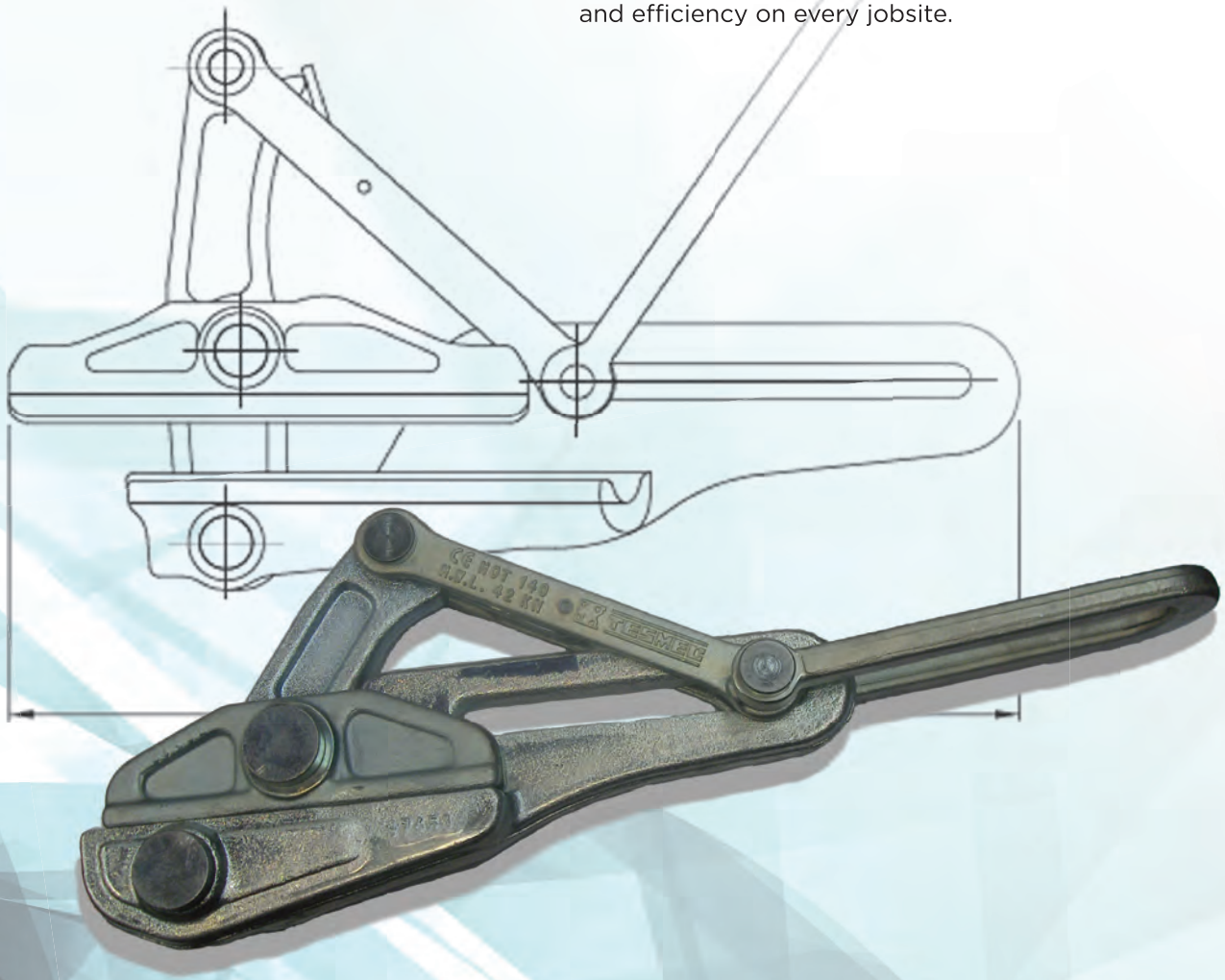
CONDUX | TESMEC

# STRINGING TOOLS & ACCESSORIES

## *Improving Jobsite Performance*

In addition to the most advanced and comprehensive line of stringing equipment in the industry, Condux Tesmec also offers conductor stringing accessories including clamps, grounding devices, swivel joints and high performance pulling socks. Accessories from Condux Tesmec help improve productivity and efficiency on every jobsite.



ISO 9001:2015
CERTIFIED

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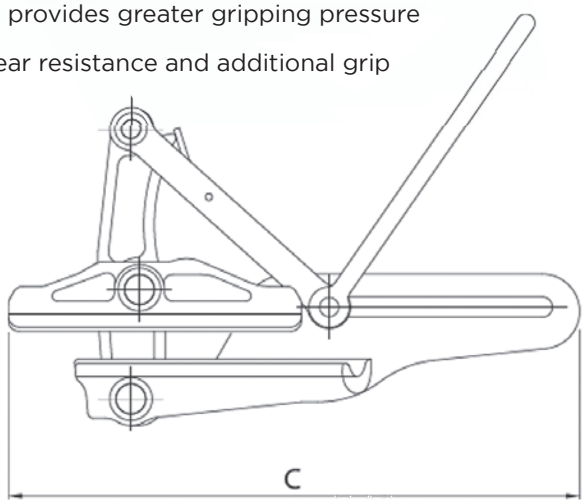
# Clamps and Jaws

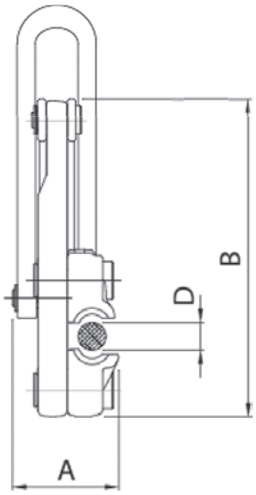
Condux Tesmec self-gripping clamps are made of high-strength heat-forged galvanized steel. Clamps are available as machined body clamps or with interchangeable jaws. Machined body clamps are used for steel rope. Interchangeable jaws allow the same clamp to be configured for use on conductors, or OPGW of different diameters. Condux Tesmec clamps can accept a wide range of rope and conductor diameters.

## MOT Self-Gripping Hardline Clamps

- Suitable for steel hardline ranging in size from .315 to 1.260 inches (8 to 32mm)
- Double V Jaw Contour - Four-point contact provides greater gripping pressure
- Tungsten Carbide is cast to lower jaw for wear resistance and additional grip

21004040




| Model | Dimensions inches (mm) | | | Breaking load | Max working load* | Mass | Use | | Diameter range inches (mm) |
|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | lbf (kN) | lbf (kN) | lbs (kg) | Steel rope | Conductor interchangeable jaws | D |
| **21004040** | 3 5/32 (80) | 8 27/32 (225) | 15 31/32 (380) | 28,101 (125) | 9,442 (42) | 15.43 (7) | yes | no | 0.31-0.71 (8-18) |
| **21004030-024** | 3 15/16 (100) | 11 13/16 (300) | 21 1/16 (535) | 50,582 (225) | 16,861 (75) | 33.07 (15) | yes | no | 0.71-0.94 (18-24) |
| **21004030-028** | 3 15/16 (100) | 11 13/16 (300) | 21 1/16 (535) | 50,582 (225) | 16,861 (75) | 33.07 (15) | yes | no | 0.94-1.10 (24-28) |
| **21004038-032** | 4 1/2 (114) | 13 29/32 (353) | 23 25/32 (604) | 62,947 (280) | 20,907 (93) | 42.99 (19.5) | yes | no | 1.06-1.26 (27-32) |

*Max safe working load may change according to local safety factor standards

# MOT Aluminum Conductor Clamps and Jaws

- Clamps feature a full range of interchangeable aluminum liners to be inserted between the upper and lower jaws of the clamp
- Suitable for conductor sizes ranging from .276 to 1.811 inches (7 to 46mm)
- Jaws and liner inserts are round to provide maximum contact and gripping power
- Recommended for use on bare aluminum, ACSR, AAC, ACSS and copper conductors as well as a range of cables

## INTERCHANGEABLE JAWS FOR MOT CLAMPS

| Clamp Model | Jaws Model | D inches (mm) | Use |
|---|---|---|---|
| 21004030 | 21004032-026 | 0.90-1.02 (22.8-26) | Aluminum conductor |
| | 21004032-029 | 1.02-1.14 (26-29) | Aluminum conductor |
| | 21004032-032 | 1.14-1.26 (29-32) | Aluminum conductor |
| | 21004032-033 | 1.18-1.30 (30-33) | Aluminum conductor |
| **Clamp Model** | **Jaws Model** | **D inches (mm)** | **Use** |
| 21004038 | 21004038-34 | 1.26-1.38 (32-35) | Aluminum conductor |
| | 21004038-37 | 1.38-1.50 (35-38) | Aluminum conductor |
| | 21004038-40 | 1.50-1.61 (38-41) | Aluminum conductor |
| | 21004038-43 | 1.61-1.73 (41-44) | Aluminum conductor |
| | 21004038-46 | 1.73-1.81 (44-46) | Aluminum conductor |
| **Clamp Model** | **Jaws Model** | **D inches (mm)** | **Use** |
| 21004070 | 21004070-007 | 0.28-0.39 (7-10) | Aluminum conductor |
| | 21004070-010 | 0.39-0.51 (10-13) | Aluminum conductor |
| | 21004070-013 | 0.51-0.63 (13-16) | Aluminum conductor |
| **Clamp Model** | **Jaws Model** | **D inches (mm)** | **Use** |
| 21004060 | 21004060-014 | 0.55-0.67 (14-17) | Aluminum conductor |
| | 21004060-017 | 0.67-0.79 (17-20) | Aluminum conductor |
| | 21004060-020 | 0.79-0.91 (20-23) | Aluminum conductor |

**Warning:** it is strictly forbidden to use jaws of different manufacturer.

**21004030**

| Model | Dimensions inches (mm) | | | Breaking load | Max working load* | Mass | Use | |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | lbf (kN) | lbf (kN) | lbs (kg) | Steel rope | Conductor interchangeable jaws |
| 21004030 | 3 15/16 (100) | 11 13/16 (300) | 21 1/16 (535) | 50,582 (225) | 16,861 (75) | 33.07 (15) | no | yes |

*Max safe working load may change according to local safety factor standards

**21004038**

| Model | Dimensions inches (mm) | | | Breaking load | Max working load* | Mass | Use | |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | lbf (kN) | lbf (kN) | lbs (kg) | Steel rope | Conductor interchangeable jaws |
| 21004038 | 4 1/2 (114) | 13 29/32 (353) | 23 25/32 (604) | 62,947 (280) | 20,907 (93) | 42.99 (19.5) | no | yes |

*Max safe working load may change according to local safety factor standards

**21004070**

| Model | Dimensions inches (mm) | | | Breaking load | Max working load* | Mass | Use | |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | lbf (kN) | lbf (kN) | lbs (kg) | Steel rope | Conductor interchangeable jaws |
| 21004070 | - | - | - | 14,388 (64) | 4,721 (21) | 5.51 (2.5) | no | yes |

*Max safe working load may change according to local safety factor standards

**21004060**

| Model | Dimensions inches (mm) | | | Breaking load | Max working load* | Mass | Use | |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | lbf (kN) | lbf (kN) | lbs (kg) | Steel rope | Conductor interchangeable jaws |
| 21004060 | 3 5/32 (80) | 8 27/32 (225) | 15 31/32 (380) | 28,101 (125) | 9,442 (42) | 15.43 (7) | no | yes |

*Max safe working load may change according to local safety factor standards

# OPGW Optical Ground Wire Clamps & Jaws

- Clamps feature a full range of interchangeable liners to be inserted between the upper and lower jaws of the clamp
- Lower liner – Polyurethane (provides cushioning for the optical cable)
- Upper liner - aluminum
- Suitable for OPGW sizes ranging from .236 to .906 inches (6mm to 23mm) - see specific jaw sizes below.

21004060

| Model | Dimensions inches (mm) | | | Breaking load | Max working load* | Mass | Use | |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | lbf (kN) | lbf (kN) | lbs (kg) | Steel rope | Conductor interchangeable jaws |
| **21004060** | 3 5/32 (80) | 8 27/32 (225) | 15 31/32 (380) | 28,101 (125) | 9,442 (42) | 15.43 (7) | no | yes |

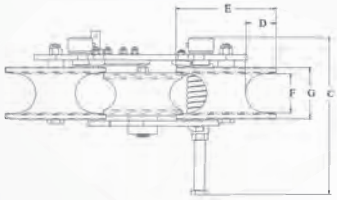
*Max safe working load may change according to local safety factor standards

| Item | Description |
|---|---|
| 21004061-06.5 | JAW,OPGW 6.0- 6.5MM -GTO 065 / MOT150 |
| 21004061-07 | JAW,OPGW 6.5- 7.0MM -GTO 070 / MOT150 |
| 21004061-07.5 | JAW,OPGW 7.0- 7.5MM -GTO 075 / MOT150 |
| 21004061-08 | JAW,OPGW 7.5- 8.0MM - GTO 080 / MOT150 |
| 21004061-08.5 | JAW,OPGW 8.0- 8.5MM -GTO 085 / MOT150 |
| 21004061-09 | JAW,OPGW 8.5- 9.0MM - GTO 090 / MOT150 |
| 21004061-09.5 | JAW,OPGW 9.0- 9.5MM -GTO 095 / MOT150 |
| 21004061-10 | JAW,OPGW 9.5-10.0MM- GTO 100 / MOT150 |
| 21004061-10.5 | JAW,OPGW 10.0-10.5MM - GTO 105 / MOT150 |
| 21004061-11 | JAW,OPGW 10.5-11.0MM - GTO 110 / MOT150 |
| 21004061-11.5 | JAW,OPGW 11.0-11.5MM GTO115 / MOT150 |
| 21004061-12 | JAW,OPGW 11.5-12.0MM -GTO120 / MOT150 |
| 21004061-12.5 | JAW,OPGW 12.0-12.5MM - GTO 125 / MOT150 |
| 21004061-13 | JAW,OPGW 12.5-13.0MM - GTO 130 / MOT150 |
| 21004061-13.5 | JAW,OPGW 13.0-13.5MM - GT0 135 / MOT150 |
| 21004061-14 | JAW,OPGW 13.5-14.0MM- GTO 140 / MOT150 |
| 21004061-14.5 | JAW,OPGW 14.0-14.5MM- GTO 145 / MOT150 |
| 21004061-15 | JAW,OPGW 14.5-15.0MM - GTO 150 / MOT150 |
| 21004061-15.5 | JAW,OPGW 15.0-15.5MM- GTO155 / MOT150 |
| 21004061-16 | JAW,OPGW 15.5-16.0MM- GTO 160 / MOT150 |
| 21004061-16.5 | JAW,OPGW 16.0-16.5MM - GTO 165 / MOT150 |
| 21004061-17 | JAW,OPGW 16.5-17.0MM- GTO 170 / MOT150 |
| 21004061-17.5 | JAW,OPGW 17.0-17.5MM - GTO 175 / MOT150 |
| 21004061-18 | JAW,OPGW 17.5-18.0MM- GTO180 / MOT150 |
| 21004061-18.5 | JAW,OPGW 18.0-18.5MM- GTO 185 / MOT150 |
| 21004061-19 | JAW,OPGW 18.5-19.0MM- GTO 190 / MOT150 |
| 21004061-19.5 | JAW,OPGW 19.0-19.5MM- GT0195 / MOT150 |
| 21004061-20 | JAW,OPGW 19.5-20.0MM-GTO 200 / MOT150 |
| 21004061-20.5 | JAW,OPGW 20.0-20.5MM- GTO 205 / MOT150 |
| 21004061-21 | JAW,OPGW 20.5-21.0MMM- GTO 210 / MOT150 |
| 21004061-21.5 | JAW,OPGW 21.0-21.5MM GTO 215 / MOT150 |
| 21004061-22 | JAW,OPGW 21.5-22.0MM - GTO 220 / MOT150 |
| 21004061-22.5 | JAW,OPGW 22.0-22.5MM - GTO 225 / MOT150 |
| 21004061-23 | JAW,OPGW 22.5-23.0MM GTO 230 / MOT150 |
| 21004061-24 | JAW,OPGW 23.5-24MM GTO XXX / MOT150 |

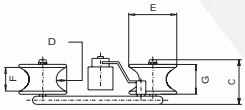
# MTR Grounding Devices

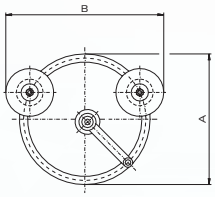
Grounding devices designed for ropes and conductors, should be installed during stringing operations between first and last tower between tensioner and puller.

Part Number 21000900




Part Number 21000902

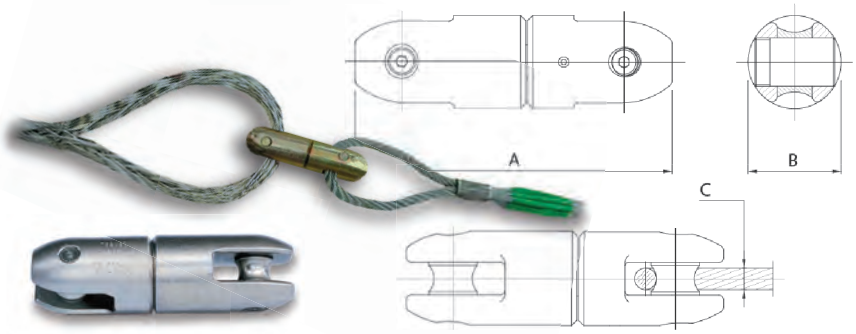



| Part Number | A Overall Height in (mm) | B Overall Length in (mm) | C Overall Width in (mm) | D Roller Depth in (mm) | E Roller Diameter in (mm) | F Roller I.D. in (mm) | G Roller O.D. in (mm) | Weight lbs (kg) |
|---|---|---|---|---|---|---|---|---|
| 21000900 | 13 (330) | 15¾ (400) | 5 (127) | 1⅛ (29) | 5 (127) | 2⅜ (60) | 3 (76) | 13 (5.9) |
| 21000902 | 16 (406) | 19 (483) | 5⅛ (130) | 2⅛ (54) | 7 (178) | 2¾ (70) | 3¾ (95) | 23 (10.4) |

# GGT Swivel Joints

The swivel joints are suitable to connect the pulling rope to the mesh sock joint mounted on the conductor. They are mounted on thrust bearings and are designed to prevent torsion strain. They are made of high-tensile galvanized steel. The special design can handle high radial loads, which occur when passing over pulleys.

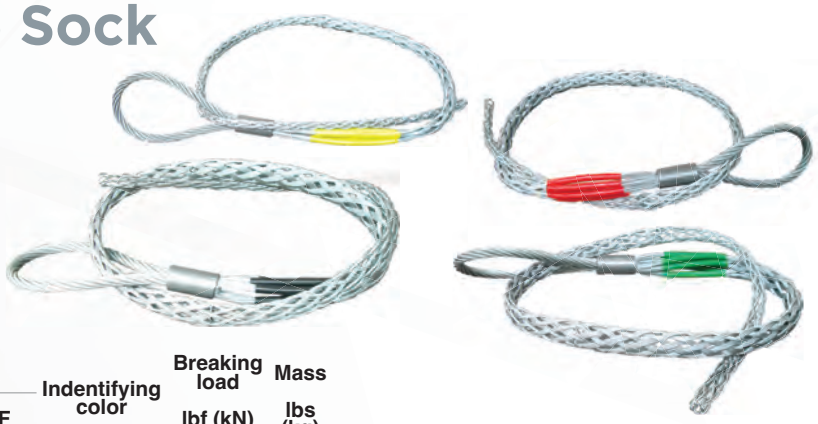



| Model | Dimensions inches (mm) | | | Working load (3:1) | Working load (5:1) | Breaking load | Mass |
|---|---|---|---|---|---|---|---|
| | A | B | C max | lbf (kN) | lbf (kN) | lbf (kN) | lbs (kg) |
| 21000305 | 4⅜₁₆ (106) | 1³⁄₃₂ (28) | ¹³⁄₃₂ (10) | 5,245 (23) | 3,150 (14) | 15,700 (70) | 0.66 (0.3) |
| 21000315 | 5⅝ (143) | 1⁹⁄₁₆ (40) | ½ (13) | 8,300 (37) | 4,900 (22) | 24,700 (110) | 2.04 (0.925) |
| 21000335 | 7¼ (184) | 2⅛ (54) | ²³⁄₃₂ (18) | 16,400 (73) | 9,900 (44) | 49,500 (220) | 4.74 (2.15) |
| 21000345 | 9⁷⁄₃₂ (234) | 2⅜ (60) | ¹⁵⁄₁₆ (24) | 27,000 (120) | 16,200 (72) | 81,000 (360) | 7.50 (3.4) |
| 21000355 | 12¹¹⁄₁₆ (322) | 3¹⁄₃₂ (77) | ¹³⁄₃₂ (28) | 56,000 (250) | 33,700 (150) | 168,600 (750) | 18.08 (8.2) |
| 21000365 | 13⁷⁄₃₂ (336) | 3⁹⁄₁₆ (81) | 1¼ (32) | 56,000 (250) | 33,700 (150) | 168,600 (750) | 19.18 (8.7) |
| 21000375 | 15⅞ (403) | 4³⁄₃₂ (104) | 1½ (38) | 74,200 (330) | 44,500 (198) | 222,600 (990) | 43.00 (19.5) |

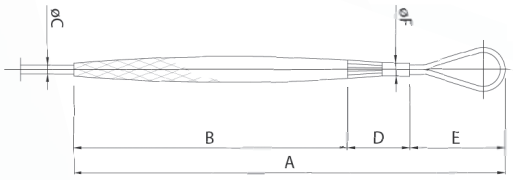
# GCT High Performance Sock

## SINGLE HEAD-TYPE

The single head-type temporary mesh sock joints are specifically designed to temporarily connect the aluminum, steel or copper conductor to the pulling rope. They consist of variable pitch steel wires, which effectively distribute the gripping effect on the conductor.



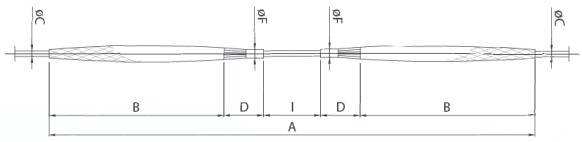
| Model | Suitable Swivel | Ø Conductor in (mm) | Dimensions in (mm) A | B | D | E | F | Indentifying color | Breaking load lbf (kN) | Mass lbs (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| 21000500 | 21000305 | .315-.669 (8-17) | 55⅛ (1,400) | 43⁵⁄₁₆ (1,100) | 5½ (140) | 6⁵⁄₁₆ (160) | ⅞ (22) | yellow | 7,868 (35) | 1.54 (0.7) |
| 21000510 | 21000315 | .669-1.142 (17-29) | 66¹⁵⁄₁₆ (1,700) | 53¹⁷⁄₃₂ (1,360) | 6⁵⁄₁₆ (160) | 7³⁄₃₂ (180) | 1³⁄₃₂ (28) | red | 19,109 (85) | 2.87 (1.3) |
| 21000520 | 21000335 | 1.142-1.49 (29-38) | 74¹³⁄₁₆ (1,900) | 57⅞ (1,470) | 7⅞ (200) | 9¹⁄₁₆ (230) | 1³⁄₁₆ (30) | green | 24,225 (130) | 4.63 (2.1) |
| 21000530 | 21000335 21000345 | 1.49-1.969 (38-50) | 89⅜ (2,270) | 71²¹⁄₃₂ (1,820) | 7⅞ (200) | 9²⁷⁄₃₂ (250) | 1¹¹⁄₃₂ (34) | black | 40,466 (180) | 5.95 (2.7) |




## DOUBLE HEAD-TYPE

The double head-type temporary mesh sock joints are specifically designed to temporarily connect the aluminum, steel or copper conductors. They consist of variable pitch steel wires, which effectively distribute the gripping effect on the conductor.

| Model | Ø Conductor in (mm) | Dimensions inches (mm) A | B | D | F | I | Indentifying color | Breaking load lbf (kN) | Mass lbs (kg) |
|---|---|---|---|---|---|---|---|---|---|
| 21000550 | .315-.669 (8-17) | 105½ (2,680) | 43⁵⁄₁₆ (1,100) | 5½ (140) | ⅞ (22) | 7⅞ (200) | yellow | 7,868 (35) | 2.54 (1.15) |
| 21000560 | .669-1.142 (17-29) | 127⁹⁄₁₆ (3,240) | 53¹⁷⁄₃₂ (1,360) | 6⁵⁄₁₆ (160) | 1³⁄₃₂ (28) | 7⅞ (200) | red | 19,109 (85) | 5.07 (2.3) |
| 21000570 | 1.142-1.490 (29-38) | 139⅜ (3,540) | 57⅞ (1,470) | 7⅞ (200) | 1³⁄₁₆ (30) | 7⅞ (200) | green | 29,225 (130) | 7.94 (3.6) |
| 21000580 | 1.490-1.969 (38-50) | 166¹⁵⁄₁₆ (4,240) | 71²¹⁄₃₂ (1,820) | 7⅞ (200) | 1¹¹⁄₃₂ (34) | 7⅞ (200) | black | 40,466 (180) | 10.58 (4.8) |

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The latest issue of the Condux Tesmec Stringing Equipment & Accessories Catalog includes comprehensive product information specific for stringing applications in the transmission and distribution industries.


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