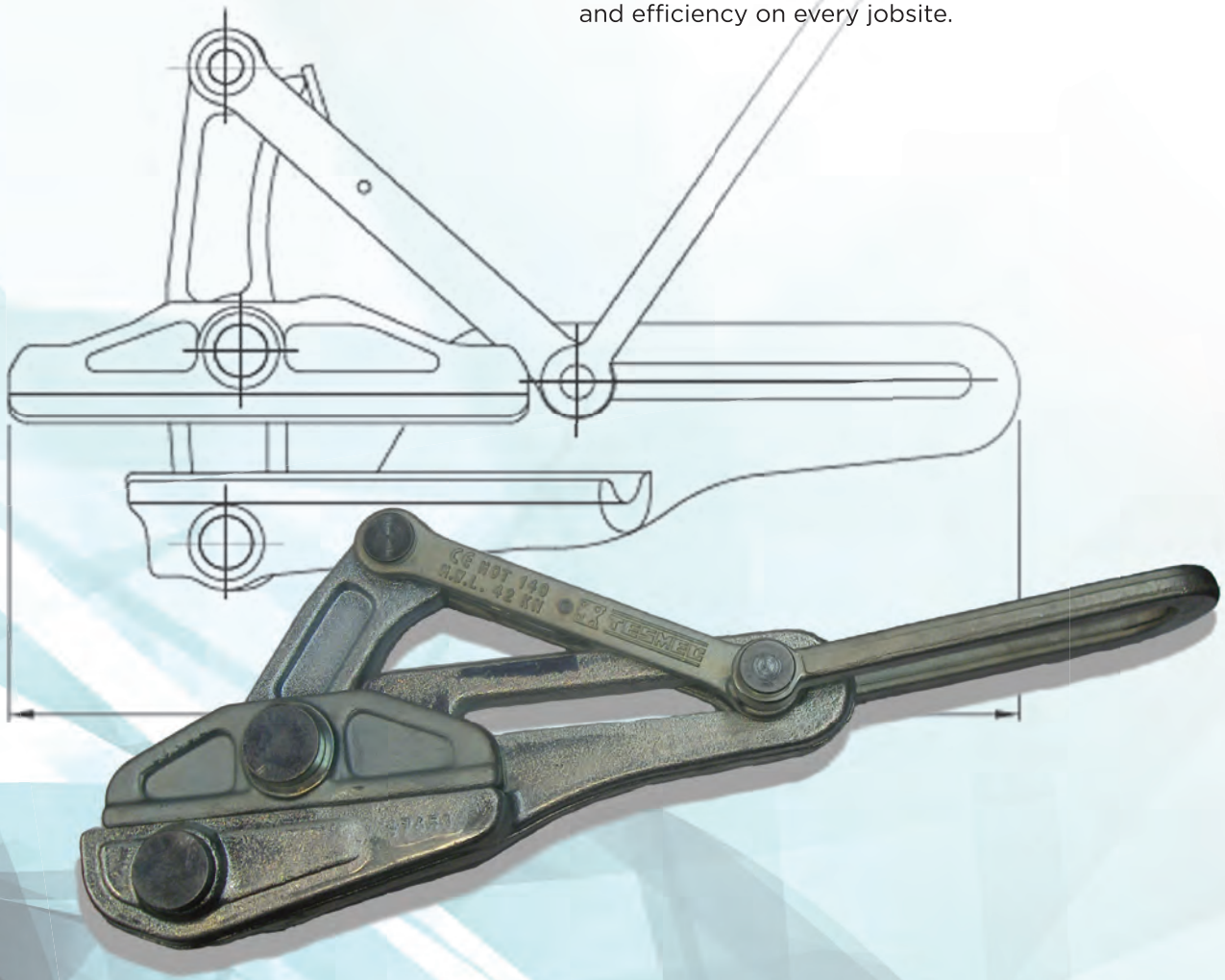
CONDUX | TESMEC

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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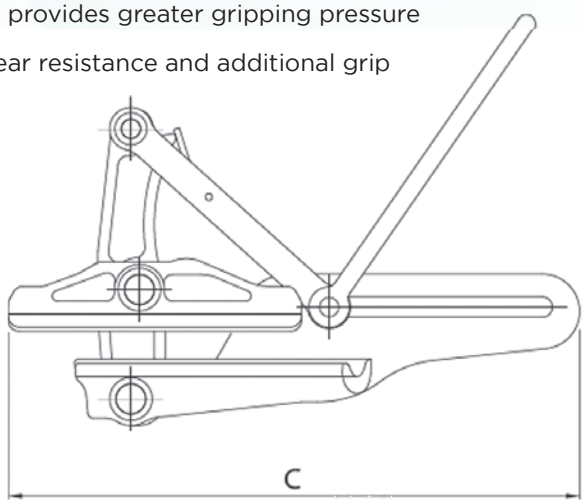
Clamps and Jaws

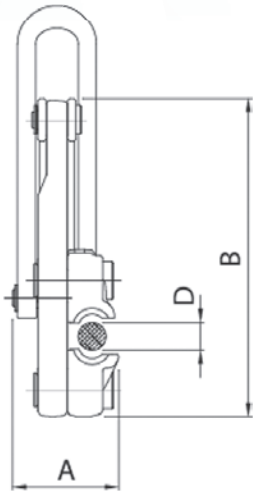
Condux Tesmec self-gripping clamps are made of high-strength heat-forged galvanized steel. Clamps are available as machined body clamps or with interchangeable jaws. Machined body clamps are used for steel rope. Interchangeable jaws allow the same clamp to be configured for use on conductors, or OPGW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

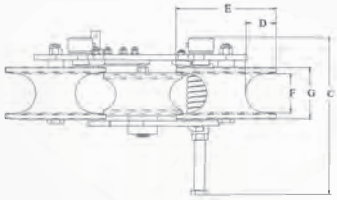
*Max safe working load may change according to local safety factor standards

Item	Description	Inches	
21004061-06.5	JAW,OPGW 6.0- 6.5MM -MOT150	0.236	0.255
21004061-07	JAW,OPGW 6.5- 7.0MM -MOT150	0.255	0.275
21004061-07.5	JAW,OPGW 7.0- 7.5MM -MOT150	0.275	0.295
21004061-08	JAW,OPGW 7.5- 8.0MM -MOT150	0.295	0.314
21004061-08.5	JAW,OPGW 8.0- 8.5MM -MOT150	0.314	0.334
21004061-09	JAW,OPGW 8.5- 9.0MM -MOT150	0.334	0.354
21004061-09.5	JAW,OPGW 9.0- 9.5MM -MOT150	0.354	0.374
21004061-10	JAW,OPGW 9.5-10.0MM -MOT150	0.374	0.393
21004061-10.5	JAW,OPGW 10.0-10.5MM -MOT150	0.393	0.413
21004061-11	JAW,OPGW 10.5-11.0MM -MOT150	0.413	0.433
21004061-11.5	JAW,OPGW 11.0-11.5MM -MOT150	0.433	0.452
21004061-12	JAW,OPGW 11.5-12.0MM -MOT150	0.452	0.472
21004061-12.5	JAW,OPGW 12.0-12.5MM -MOT150	0.472	0.492
21004061-13	JAW,OPGW 12.5-13.0MM -MOT150	0.492	0.511
21004061-13.5	JAW,OPGW 13.0-13.5MM -MOT150	0.511	0.531
21004061-14	JAW,OPGW 13.5-14.0MM -MOT150	0.531	0.551
21004061-14.5	JAW,OPGW 14.0-14.5MM -MOT150	0.551	0.570
21004061-15	JAW,OPGW 14.5-15.0MM -MOT150	0.570	0.590
21004061-15.5	JAW,OPGW 15.0-15.5MM -MOT150	0.590	0.610
21004061-16	JAW,OPGW 15.5-16.0MM -MOT150	0.610	0.629
21004061-16.5	JAW,OPGW 16.0-16.5MM -MOT150	0.629	0.649
21004061-17	JAW,OPGW 16.5-17.0MM -MOT150	0.649	0.669
21004061-17.5	JAW,OPGW 17.0-17.5MM -MOT150	0.669	0.688
21004061-18	JAW,OPGW 17.5-18.0MM -MOT150	0.688	0.708
21004061-18.5	JAW,OPGW 18.0-18.5MM -MOT150	0.708	0.728
21004061-19	JAW,OPGW 18.5-19.0MM -MOT150	0.728	0.748
21004061-19.5	JAW,OPGW 19.0-19.5MM -MOT150	0.748	0.767
21004061-20	JAW,OPGW 19.5-20.0MM -MOT150	0.767	0.787
21004061-20.5	JAW,OPGW 20.0-20.5MM -MOT150	0.787	0.807
21004061-21	JAW,OPGW 20.5-21.0MM -MOT150	0.807	0.826
21004061-21.5	JAW,OPGW 21.0-21.5MM -MOT150	0.826	0.846
21004061-22	JAW,OPGW 21.5-22.0MM -MOT150	0.846	0.866
21004061-22.5	JAW,OPGW 22.0-22.5MM -MOT150	0.866	0.885
21004061-23	JAW,OPGW 22.5-23.0MM -MOT150	0.885	0.905

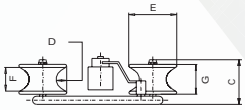
MTR Grounding Devices

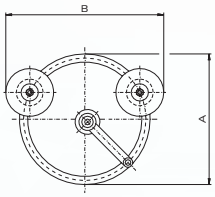
Grounding devices designed for ropes and conductors, should be installed during stringing operations between first and last tower between tensioner and puller.

Part Number 21000900



Part Number 21000902

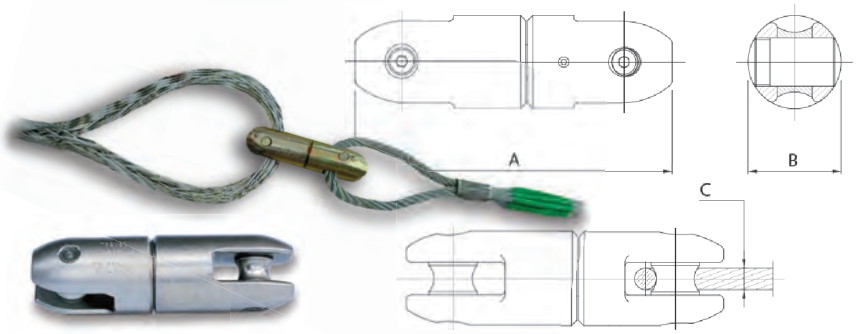




Part Number	A Overall Height in (mm)	B Overall Length in (mm)	C Overall Width in (mm)	D Roller Depth in (mm)	E Roller Diameter in (mm)	F Roller I.D. in (mm)	G Roller O.D. in (mm)	Weight lbs (kg)
21000900	13 (330)	15¾ (400)	5 (127)	1⅛ (29)	5 (127)	2⅜ (60)	3 (76)	13 (5.9)
21000902	16 (406)	19 (483)	5⅛ (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.

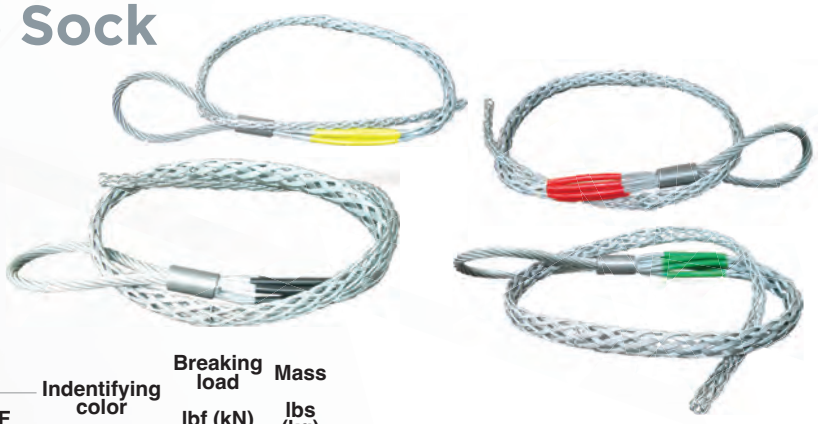


Model	Dimensions inches (mm)			Working load (3:1)	Working load (5:1)	Breaking load	Mass
	A	B	C max	lbf (kN)	lbf (kN)	lbf (kN)	lbs (kg)
21000305	4⅜₁₆ (106)	1³⁄₃₂ (28)	¹³⁄₃₂ (10)	5,245 (23)	3,150 (14)	15,700 (70)	0.66 (0.3)
21000315	5⅝ (143)	1⁹⁄₁₆ (40)	½ (13)	8,300 (37)	4,900 (22)	24,700 (110)	2.04 (0.925)
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)	3³⁄₁₆ (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)

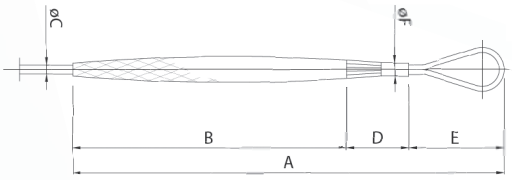
GCT High Performance Sock

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.



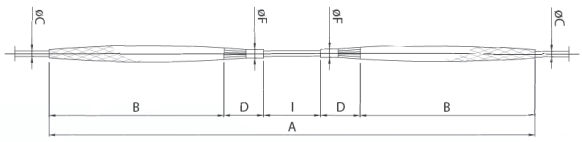
Model	Suitable Swivel	Ø Conductor in (mm)	Dimensions in (mm) A	B	D	E	F	Indentifying color	Breaking load lbf (kN)	Mass lbs (kg)
21000500	21000305	.315-.669 (8-17)	55⅛ (1,400)	43⁵⁄₁₆ (1,100)	5½ (140)	6⁵⁄₁₆ (160)	⅞ (22)	yellow	7,868 (35)	1.54 (0.7)
21000510	21000315	.669-1.142 (17-29)	66¹⁵⁄₁₆ (1,700)	53¹⁷⁄₃₂ (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)



CONDUX | TESMEC

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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