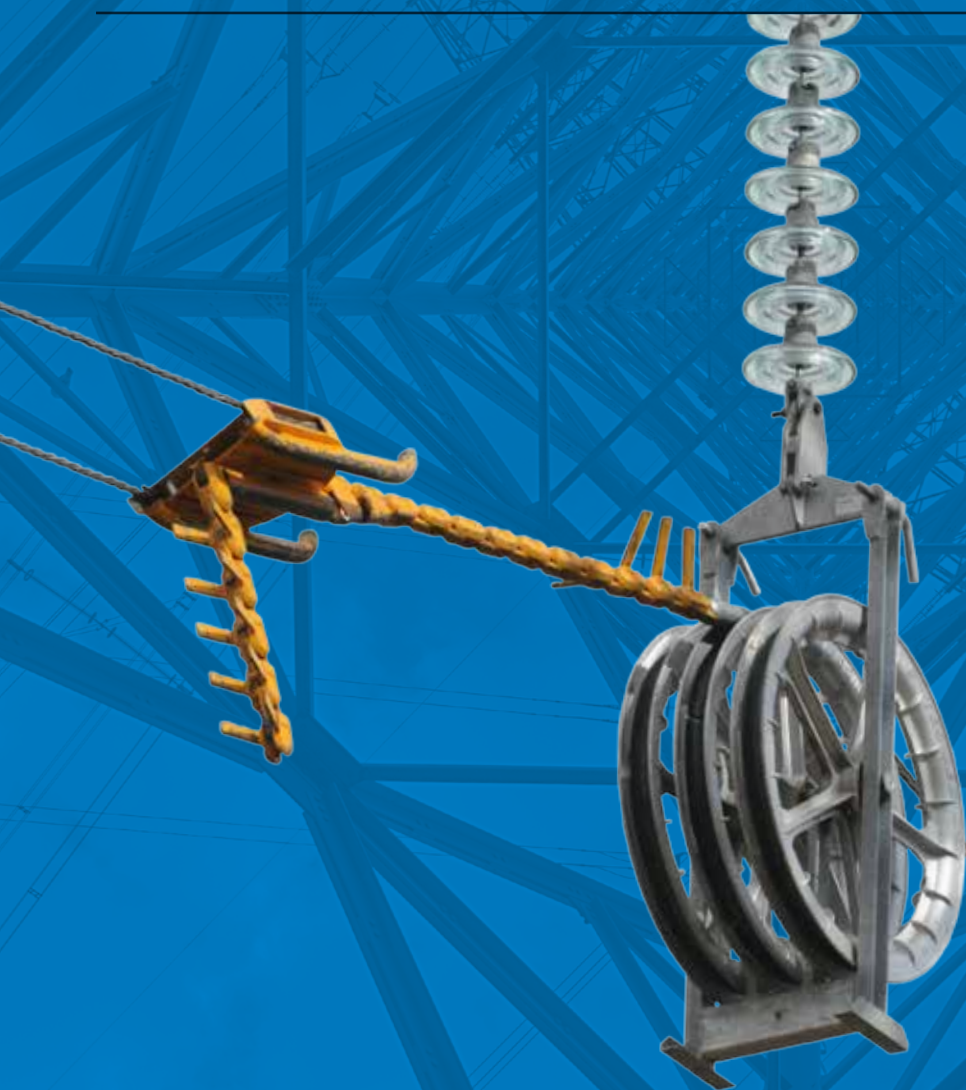


# STRINGING BLOCKS, PIVOTING ARRAY BLOCKS & HEAD BOARDS







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## STRINGING BLOCKS

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## SPECIAL SOLUTIONS

**8.95**

## STRINGING BLOCKS, PIVOTING ARRAY BLOCKS & HEAD BOARDS

# A world of customized solutions!

Tesmec in more than 60 years of experience has developed a complete range of Stringing Blocks. This range includes Stringing Blocks standard, detachable, tandem and for helicopter stringing. Besides this traditional range, several special solutions have been studied to overtake problems and obstacles faced by many projects in extreme conditions all around the world.

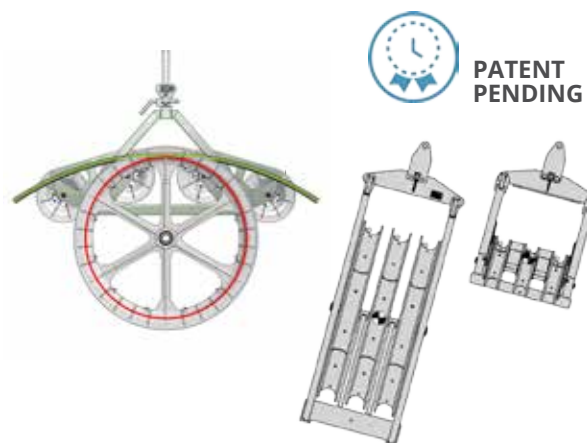
More recently, especially because of new generation HTLS conductors, being more susceptible to

damage, we have designed an innovative solution of pivoting array blocks.

To ensure the top safety level on jobsites the grounding devices available for all Stringing Blocks and pivoting array blocks models are complying with the IEC TR61328: we continuously carry on testing this equipment in order to certify quality and safety.



## PULLEYS, ARRAY BLOCKS & HEAD BOARDS: OUR VALUE PROPOSITION



### PIVOTING ARRAY BLOCKS

Array blocks are the solution for needs of large bending radius keeping dimension, weight and handling capability as easy as possible.

- + **Light Weight & Dimension:**  
Vertical dimension is less than half of the height of a standard pulley.
- + **Easy Handling & Transportation:**  
The compact design allows an easy handling and prevents damaging during the transportation.
- + **No diameter limitation:**  
Double pivoting frame allows to move according to the line geometry by adjusting themselves up to horizontal position, for an infinite bending radius.
- + **Special Sectors:**  
Manufactured with anti wear material, tested and released in cooperation with Milan Politecnico.

- + **Integrated Earthing Device:**  
Grounding device (if requested) is integrated into the frame, to prevent any possible impact or damaging during transport.
- + **Matchable with Standard Block:**  
Spacing of the wheel is the same of standard pulley to allow to mix both the solutions. Groove 68 mm and groove 95 mm as per standard pulley are both available.
- + **Fully Compatible:**  
Headboards, swivels, ropes, cover joints and all other equipment used for standard pulleys are fully compatible with array blocks.
- + **High Center of Gravity:**  
Easier positioning at angles due to the centre of gravity position compared with traditional blocks.



### STRINGING BLOCKS

More than 60 years of experience tested on jobsite  
Thanks to a deep knowledge of jobsite needs, Tesmec offers:

- + Top quality at a competitive price
- + Tailor made solutions
- + 5 different materials and types for lining
- + Available tandem and for helicopter stringing version of every standard models

### EARTHING DEVICES

#### Safety certified

In accordance with IEC TR 61328, Tesmec Earthing Devices are suitable for fault currents, lightning strikes, induced voltage and currents, rated at 20.000 A for 20 cycles.

Several tests certified earthing devices properties.

Available for drain current in equipotential system and for induced current.

Aluminium sectors with bearing conductive grease are also available, as special solution for each standard model.



## CAS

### SINGLE CONDUCTOR STRINGING BLOCKS

## CGA

### GROUND WIRE STRINGING BLOCKS



CAS



CGA

#### CAS

MODEL			TYPE OF CONNECTION	DIMENSIONS [mm]								WORKING LOAD [kN]	WEIGHT [kg]
Neoprene	Nylatron	Aluminium		A	B	C	D	E	F	G	H		
-	CAS200	CAS207	C	26	16	50	250	145	482	330	175	27	7
-	CAS201	CAS208	D	25	19	50	250	145	490	330	175	27	7
CAS300	CAS301	CAS308	B	26	18	54	350	150	595	440	200	23	11
CAS302	CAS303	CAS309	C	35	18	54	350	150	640	440	225	23	12
CAS304	CAS305	CAS310	D	31	30	54	350	150	630	440	235	23	12
CAS600	CAS601	CAS632	B	26	20	68	650	186	996	775	260	33	28
CAS602	CAS603	CAS638	C	40	20	68	650	186	1052	775	315	33	29
CAS604	CAS605	CAS639	D	32	33	68	650	186	1087	775	330	33	30
CAS606	CAS607	CAS644	B	26	20	95	650	218	1010	775	275	40	32
CAS608	CAS609	CAS645	C	40	20	95	650	218	1062	775	330	40	33
CAS610	CAS611	CAS646	D	32	33	95	650	218	1097	775	345	40	34
CAS800	CAS801	CAS843	B	26	20	68	800	186	1101	880	260	40	32
CAS802	CAS803	CAS835	C	40	20	68	800	186	1157	880	315	40	33
CAS804	CAS805	CAS836	D	32	33	68	800	186	1192	880	330	40	34
CAS806	CAS807	CAS857	B	26	20	95	800	218	1125	893	275	40	38
CAS808	CAS809	CAS852	C	40	20	95	800	218	1180	893	330	40	39
CAS810	CAS811	CAS858	D	32	33	95	800	218	1215	893	345	40	40
-	CAS002	CAS012	B	26	20	95	1000	218	1335	1100	275	40	49
-	CAS004	CAS013	C	40	20	95	1000	218	1387	1100	330	40	50
-	CAS006	CAS014	D	32	33	95	1000	218	1422	1100	345	40	51
-	CAS027	-	B	25	24	130	1200	310	1824	1393	500	90	110
-	CAS034	-	B	25	24	130	1500	310	2124	1670	500	90	155

#### CGA

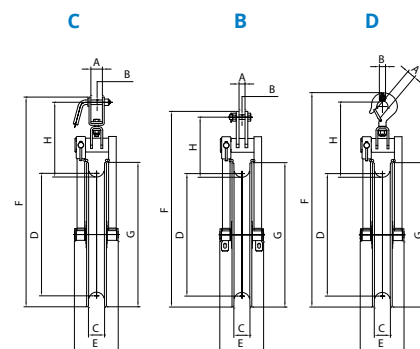
MODEL	TYPE OF CONNECTION	DIMENSIONS [MM]								WORKING LOAD [kN]	WEIGHT [kg]
		A	B	C	D	E	F	G	H		
CGA200	B	26	18	65	230	150	480	300	190	23	11
CGA201	C	35	18	65	230	150	510	300	220	23	11
CGA202	D	24	21	65	230	150	476	300	185	23	11

#### AVAILABLE DEVICES FOR CAS

CCA Antiflecting devices on demand (list of all available devices pag..)

#### CHARACTERISTICS

The CAS wheels are made of aluminium alloy mounted on ball bearings.  
The CGA wheels are made of galvanized steel and mounted of ball bearings.  
The groove is lined by a neoprene ring or by wear-proof interchangeable nylatron or aluminium sectors.  
The frame is made of galvanized steel.  
Three types of connections available: fixed (B), swivel-type (C), and hook with safety lock (D).  
Grounding device or complete conductive sheaves available on demand (list of all available devices pag..)





CAT



CAQ



CAE

## CAT

TWO OR THREE BUNDLED  
CONDUCTORS STRINGING  
BLOCKS

## CAQ

FOUR & FIVE BUNDLED  
CONDUCTORS STRINGING  
BLOCKS

## CAE

SIX BUNDLED CONDUCTORS  
STRINGING BLOCKS

### CAT

\*All sheaves with IEEE sectors

MODEL			DIMENSIONS [MM]										WORKING LOAD	WEIGHT
nylon/ neoprene	nylon	aluminium	A	B	C	D	E	F	G	H	I	L	[kN]	[kg]
CAT612	CAT648	CAT622	25	24	68	650	1430	580	775	500	250	145	50	110
CAT613	CAT	CAT654	25	24	95	650	1430	580	775	572	250	175	70	130
CAT812	CAT CAT875*	CAT894	25	24	68	800	1530	580	880	500	250	145	70	125
CAT813	CAT848	CAT874	25	24	95	800	1540	580	893	572	250	175	70	160
-	CAT007	-	25	24	95	1000	1740	580	1100	572	250	175	70	198
-	CAT029	-	25	24	133	1200	2060	580	1393	722	250	222	90	270
-	CAT035	-	25	24	133	1500	2330	580	1670	722	250	222	90	320

### CAQ

MODEL			DIMENSIONS [MM]											WORKING LOAD	WEIGHT
nylon/ neoprene	nylon	aluminium	A	B	C	D	E	F	G	H	I	L	M	[kN]	[kg]
CAQ614	CAQ666	CAQ	25	24	68	650	1440	595	775	700	250	145	100	50	148
CAQ615	CAQ667	CAQ656	25	24	95	650	1440	595	775	826	250	175	130	70	190
CAQ814	CAQ	CAQ856	25	24	68	800	1540	595	880	700	250	145	100	70	180
CAQ815	CAQ881	CAQ827	25	24	95	800	1540	595	893	826	250	175	130	70	225
-	CAQ008	-	25	24	95	1000	1750	595	1100	826	250	175	130	70	270
-	CAQ030	-	25	24	133	1200	2115	595	1393	1081	250	222	177	90	320
-	CAQ036	-	25	24	133	1500	2383	595	1670	1081	250	222	177	90	405

### CAE

MODEL		DIMENSIONS [MM]											WORKING LOAD	WEIGHT
nylon/ neoprene	cast iron/ nylon	A	B	C	D	E	F	G	H	I	L	M	[kN]	[kg]
CAE647	-	25	24	68	650	1492	570	775	930	400	145	100	40	192
CAE637	-	25	24	95	650	1492	577	775		400	175	130	60	240
-	CAE905**	25	24	95	800	1612	577	893		400	175	130	60	280
-	CAE043**	25	24	95	1000	1878	595	1100		400	175	130	80	278

\*Central sheave nylatron - lateral sheaves nylatron IEEE

\*\*Central sheave with cast iron sector

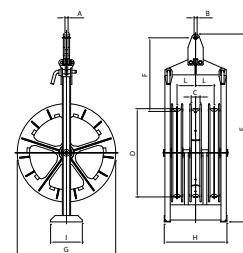
### CHARACTERISTICS

The wheels are made of aluminium alloy; the lateral wheels are mounted on ball bearings with groove lined by a neoprene ring; The central wheel is mounted on double-row ball bearings with grooves made up of wear-proof interchangeable nylatron sectors.

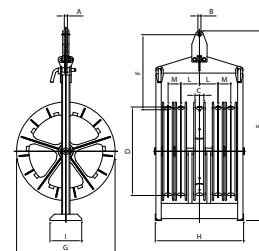
The frame is made of galvanized steel.

The stringing blocks are supplied with fixed connection.

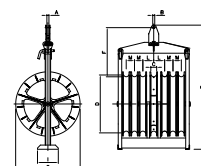
Grounding device or complete conductive sheaves are available on demand.(list of all available devices pag..)



CAT



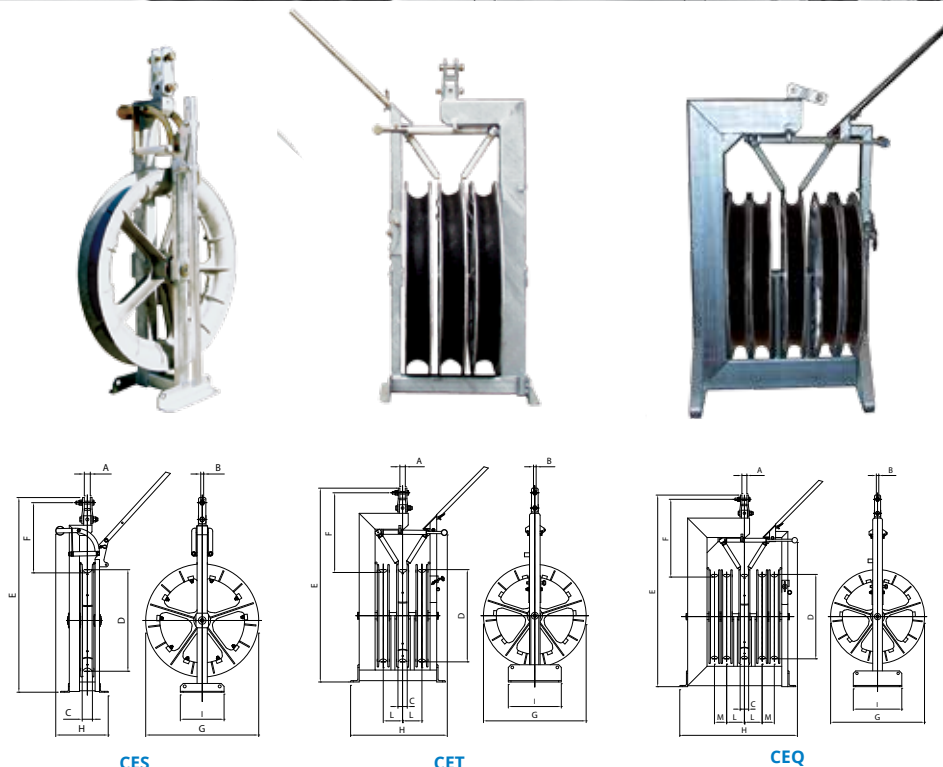
CAQ



CAE

## CES-CET-CEQ

### STRINGING BLOCKS FOR HELICOPTER STRINGING



#### CES

MODEL			DIMENSIONS [MM]									WORKING LOAD	WEIGHT
neoprene	nylon	aluminium	A	B	C	D	E	F	G	H	I	[kN]	[kg]
<b>CES604</b>	<b>CES600</b>	-	41	20	68	650	1345	490	775	362	300	40	62
-	<b>CES601</b>	<b>CES618</b>	41	20	95	650	1345	500	775	376	300	40	68
-	<b>CES800</b> <b>CES811*</b> <b>CAT875*</b>	-	41	20	68	800	1440	480	880	362	300	40	68
-	<b>CES801</b> <b>CES831*</b>	-	41	20	95	800	1460	500	893	376	300	40	74
-	<b>CES001</b>	-	41	20	95	1000	1665	500		376	300	67	93
-	<b>CES005</b>	-	41	24	133	1200	2005	558		462	600	90	180
-	<b>CES008</b>	-	41	24	133	1500	2310	570		462	600	90	215

#### CET

MODEL			DIMENSIONS [MM]											WORKING LOAD	WEIGHT
nylon/ neoprene	nylon	aluminium	A	B	C	D	E	F	G	H	I	L		[kN]	[kg]
<b>CET602</b>	<b>CET610*</b>	-	41	20	68	650	1345	605	775	730	400	145		60	142
<b>CET603</b>	-	<b>CET608</b>	41	20	95	650	1430	610	775	810	400	175		60	164
<b>CET802</b>	<b>CET821</b> <b>CET807*</b>	<b>CET829</b>	41	20	68	800	1582	610	880	730	400	145		60	158
<b>CET803</b>	<b>CET820</b> <b>CET812*</b>	<b>CET806</b>	41	20	95	800	1582	610	893	810	400	175		60	179
-	<b>CET002</b>	-	41	20	95	1000	1805	629	1100	830	400	175		67	235
-	<b>CET006</b>	-	41	20	133	1200	2100	640	1393	1005	500	222		90	315
-	<b>CET009</b>	-	41	20	133	1500	2405	640	1670	1005	500	222		90	362

#### CEQ

MODEL			DIMENSIONS [MM]												WORKING LOAD	WEIGHT
nylon/ neoprene	nylon	aluminium	A	B	C	D	E	F	G	H	I	L	M		[kN]	[kg]
<b>CEQ609</b>	<b>CEQ614**</b>	-	41	20	68	650	1580	641	775	906	400	145	100		60	228
<b>CEQ612</b>	-	-	41	20	95	650	1625	670	775	1130	400	175	130		60	258
<b>CEQ808</b>	<b>CEQ813**</b>	<b>CEQ818</b>	41	20	68	800	1750	670	880	910	400	145	100		60	250
<b>CEQ809</b>	<b>CEQ819**</b>	-	41	20	95	800	1750	647	893	1130	400	175	130		60	280
-	<b>CEQ003</b>	-	41	20	95	1000	1945	670	1100	1130	400	175	130		67	360

#### CHARACTERISTICS

The pulleys are suitable for stringing the pilot rope by an helicopter.  
The pilot rope is automatically positioned in the (central) wheel.  
Special guides ensure the correct positioning of the rope during stringing operations.  
The wheels are made of aluminium alloy mounted on ball bearings.  
The lateral wheels have the groove lined by neoprene ring.  
The central wheel has the groove made up of wear-proof interchangeable nylatron sectors.  
The frame is made of galvanized steel.  
The pulleys are supplied with fixed connection.  
Grounding device or complete conductive sheaves are available upon request.

\*All sheaves with IEEE sectors

\*\*Central nylatron - lateral nylatron IEEE



## CES617

### ALL ALUMINIUM SINGLE BLOCK FOR HELICOPTER STRINGING



#### CES617

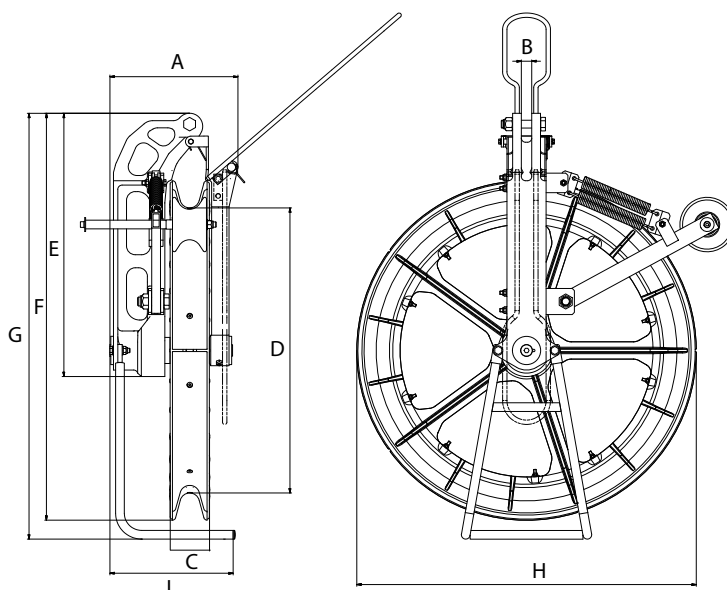
MODEL	DIMENSIONS [MM]								WORKING LOAD [kN]	WEIGHT [kg]
IEEE nylon lining	A	B	C	D	E	F	G	H		
<b>CES617</b>	294	24	90	655	605	935	978	780	40	38

#### AVAILABLE DEVICE

<b>MTX145</b>	Grounding Device
<b>CCP607</b>	Support leg

#### CHARACTERISTICS

The pulleys are suitable for stringing the pilot rope by an helicopter. Special guides ensure the correct positioning of the rope during stringing operations. The wheels are made of aluminium alloy mounted on ball bearings. The wheel has the groove made up of wear-proof interchangeable nylatron sectors. The frame is made of galvanized steel. Grounding device is available upon request. All available linings pag. 8.40, 8.45.



## CST

TWO OR THREE BUNDLED  
CONDUCTORS DETACHABLE  
STRINGING BLOCKS

## CSQ

FOUR BUNDLED CONDUCTORS  
DETACHABLE STRINGING  
BLOCKS



CST



CSQ

### CST

MODEL		DIMENSIONS [MM]										WORKING LOAD	WEIGHT
nylon/ neoprene	nylon	A	B	C	D	E	F	G	H	I	L	[kN]	[kg]
<b>CST600</b>	<b>CST604</b>	25	24	68	650	1563	600	846	580	250	148	40	151
<b>CST601</b>	-	25	24	95	650	1667	600	846	671	250	178	60	166
<b>CST800</b> <b>CST807*</b>	-	25	24	68	800	1758	600	951	580	250	148	60	166
<b>CST801</b>	<b>CST808</b>	25	24	95	800	1785	600	964	671	250	178	60	190
	<b>CST001</b>	25	24	95	1000	1995	600	1171	671	250	178	67	228

### CHARACTERISTICS

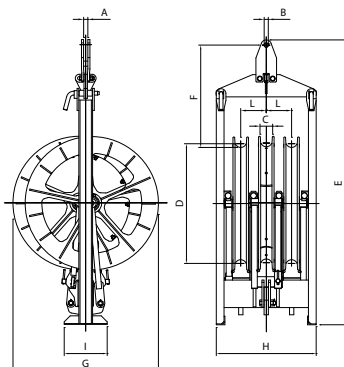
The pulleys are suitable for stringing two or three bundled conductor lines.  
The pulleys are made up of a special galvanized steel frame and three single pulleys.  
The single pulleys can be used separately. The wheels are made of aluminium alloy mounted on ball bearings.  
The lateral wheel have the groove lined by a neoprene ring.  
The central wheel has the groove made up of wear-proof interchangeable nylatron sectors.  
The pulleys are supplied with fixed connection.

### CSQ

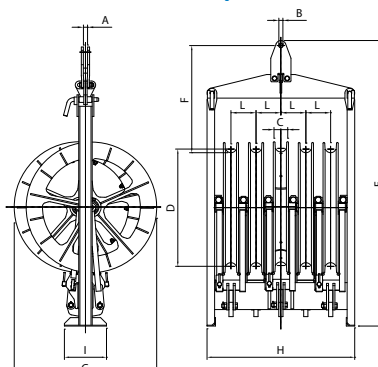
MODEL		DIMENSIONS [MM]										WORKING LOAD	WEIGHT
nylon/ neoprene	nylon	A	B	C	D	E	F	G	H	I	L	[kN]	[kg]
<b>CSQ602</b>	-	25	24	68	650	1653	600	846	880	250	148	40	235
<b>CSQ603</b>	-	25	24	95	650	1710	600	846	1027	250	178	60	258
<b>CSQ802</b>	-	25	24	68	800	1758	600	951	880	250	148	60	250
<b>CSQ803</b>	<b>CSQ811</b>	25	24	95	800	1830	600	964	1027	250	178	60	295
-	-	25	24	95	1000	2036	600	1171	1027	250	178	67	345

\*All neoprene lining

CST



CSQ



Pictures & drawings can be different according to technical specifications - updating programme variations without notice are possible.

Certified Quality System  
ISO 9001:2015

Certified Environmental System  
ISO 14001:2015

Certified Health & Safety System  
ISO 45001:2018



CAM015 WITH MTX008



CAM873

## CAM

### TANDEM STRINGING BLOCKS

#### CST

MODEL	BASED ON	WHEEL Ø [mm]	GROOVE [mm]	WORKING LOAD [kN]	WEIGHT [kg]
CAM210	CAS200	250	50	33	25
CAM618	CAS602	650	68	60	72
CAM631	CAT613	650	95	60	290
CAM636	CAT612	650	68	70	270
CAM640	CAS607	650	95	60	87
CAM662	CAS601	650	68	60	91
CAM665	CAS606	650	95	60	98
CAM669	CAS608	650	95	60	100
CAM849	CAS802	800	68	60	92
CAM892	CAS801	800	68	60	89
CAM896	CAS807	800	95	60	118
CAM907	CAE906	800	95	100	632
CAM015	CAS002	1000	95	60	135
CAM023	CAS024	1000	95	60	166
CAM028	CAS027	1200	130	90	250
CAM031	CAS027	1000	95	90	175
CAM032	-	1200	130	120	312
CAM042	CAE041	1000	95	100	835
CEM619	CES600	650	68	60	239
CEM827	CET8XX	800	95	80	415
CEM828	CES801	800	95	80	205
CEM830	CET829	800	68	80	404

#### CHARACTERISTICS

Special tandem pulleys built with a steel galvanized joke connecting two standard pulleys.

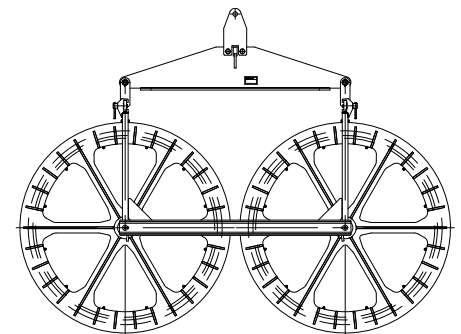
Two connecting rods assuring stability and control for the position of the wheels.

Tandem solution increases the breaking load distributing forces on both pulley.

Stringing blocks can be detached and used as standard model.

Wheels, sectors and jokes are fully interchangeable with standard model.

Different versions are available upon request even for helicopter.





## NEOPRENE LINING

ONE PIECE LINING RING MADE BY NEOPRENE (TO PROTECT THE SURFACE OF THE CONDUCTOR FROM SECTORS OR OTHER DAMAGES) APPLIED ON THE BOTTOM OF THE GROOVE.

NOT RECOMMENDED FOR HTLS CONDUCTORS.

REPLACE REQUIRE TO DISASSEMBLE THE SHEAVE FROM THE FRAME AND TO USE A SPECIAL TOOL DEVICE.



## NYLATRON LINING

INTERCHANGEABLE SECTORS MADE BY NYLATRON (POLYAMIDE BASE PA66 WITH SPECIAL ADDED ELEMENTS) APPLIED ON BOTTOM OF THE GROOVE.

EASY REPLACEMENT BY MEANS OF CONNECTING CREWS WITHOUT TO DISASSEMBLE THE SHEAVE.

PARTICULARLY RECOMMENDED FOR HTLS CONDUCTORS BECAUSE THE PARTIAL HARDNESS COMBINED WITH THE REDUCED FRICTION ALLOWS THE CONDUCTOR TO EASILY SELF-ADJUST ON THE BOTTOM OF THE GROOVE.



## IEEE COMPLY NYLATRON LINING

SPECIAL VERSION OF INTERCHANGEABLE NYLATRON SECTORS THAT COMPLY THE IEEE REQUIREMENTS FOR GROOVE RADIUS AND GEOMETRY LIMITS.

AVAILABLE ON DEMAND FOR VARIOUS MODELS FROM 650 MM DIAMETER.

SPECIAL HEAD-BOARD FOR IEEE LINING IS REQUIRED DUE TO THE GEOMETRY LIMITATIONS.





## ALUMINIUM LINING

INTERCHANGEABLE SECTOR MADE BY ALUMINIUM ALLOY, WITH SHAPE EQUAL TO NYLATRON LINING, AND THEREFORE APPLICABLE ON ALL RANGE AS THE NYLATRON ONES.

PARTICULARLY RECOMMENDED IN CASE OF EARTHING OR EQUIPOTENTIAL REQUIREMENT FOR THE WHOLE STRINGING BLOCK, TOGETHER WITH SHEAVE BEARING CONDUCTIVE GREASE.

ALSO RECOMMENDED IN CASE OF HIGH WEAR CONDITIONS.



## STEEL LINING

INTERCHANGEABLE SECTORS MADE BY FORGED STEEL.

PARTICULARLY RECOMMEND ON CENTRAL SHEAVE OF BUNDLE BLOCKS, WHERE THE ANTITWISTING STEEL BRAIDED ROPE IS PASSING, IN CASE OF EXTRA WEAR CONDITIONS.



## CAST IRON LINING

INTERCHANGEABLE SECTORS MADE BY CAST IRON.

PARTICULARLY RECOMMEND ON CENTRAL SHEAVE OF BUNDLE BLOCKS, WHERE THE ANTITWISTING STEEL BRAIDED ROPE IS PASSING, IN CASE OF EXTRA LOAD CONDITIONS.

## CAS

SINGLE CONDUCTOR NYLON STRINGING BLOCKS

## CAT

TWO OR THREE BUNDLED CONDUCTORS NYLON STRINGING BLOCKS

## CAQ

FOUR OR FIVE BUNDLED CONDUCTORS NYLON STRINGING BLOCKS



CAS



CAT



CAQ

### CAS

MODEL	DIMENSIONS [MM]									WORKING LOAD [kN]	WEIGHT [kg]
	A	B	C	D	E	F	G	H	I		
CAS528	16	24	83	560	935	248	660	210	240	40	40
CAS702	16	33	88	710	1275	408	822	228	240	40	63

### CAT

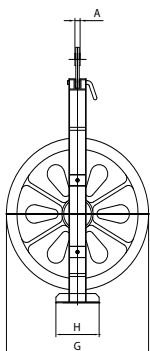
MODEL	DIMENSIONS [MM]										WORKING LOAD [kN]	WEIGHT [kg]
	A	B	C	D	E	F	G	H	I	L		
CAT526	24	24	83	560	990	285	660	418	240	103	60	73
CAT700	32	33	88	710	1325	445	822	456	240	114	60	125

### CAQ

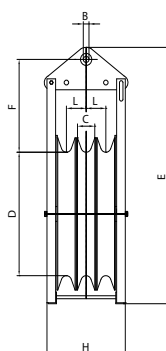
MODEL	DIMENSIONS [MM]										WORKING LOAD [kN]	WEIGHT [kg]
	A	B	C	D	E	F	G	H	I	L		
CAQ527	30	33	83	560	1175	445	660	628	250	103	60	162
CAQ701	32	33	88	710	1380	445	822	684	250	114	60	187

### CHARACTERISTICS

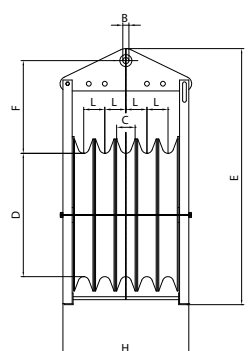
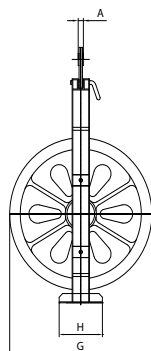
Pulley are assembled with new generation high tensile nylon wheels. This material combines in the best way lightness, performance and price. Groove is shaped in conformity to IEC 61328 regulation for worldwide market. All wheels are mounted on ball bearing and they are fully interchangeable. Frame is made of galvanized steel. Frame and wheel can be easily detached for maintenance and reconfiguration. No gap between wheels increasing handling reducing dimension and weight.



CAS



CAT



CAQ



PATENT  
PENDING**RUS**SINGLE CONDUCTOR  
PIVOTING ARRAY BLOCKS**RUT**TWO OR THREE BUNDLED  
CONDUCTORS PIVOTING  
ARRAY BLOCKS**RUQ**FOUR OR FIVE CONDUCTORS  
PIVOTING ARRAY BLOCKS**RET**TWO OR THREE CONDUCTORS  
PIVOTING ARRAY BLOCKS FOR  
HELICOPTER STRINGING**RUS**

MODEL		DIMENSIONS [MM]									WORKING LOAD	WEIGHT
cast iron + fiberglass	cast iron + aluminium	A	B	C	D	E	F	G	H	I	[kN]	[kg]
<b>RUS005</b>	<b>RUS026</b>	40	20	68	1600	810	393	1350	295	305	40	42
<b>RUS007</b>	<b>RUS027</b>	40	20	68	1820	800	367	1470	295	305	40	48

**RUT**

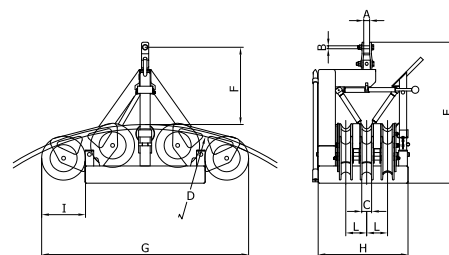
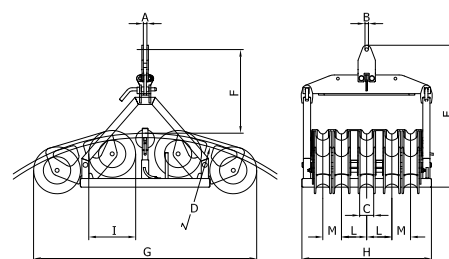
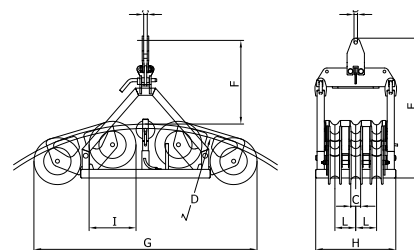
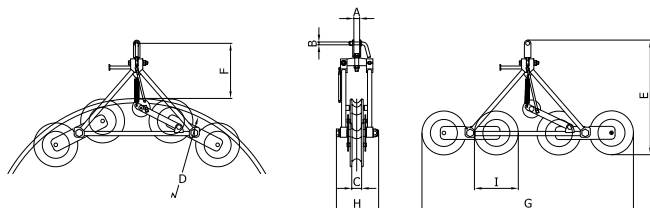
MODEL		DIMENSIONS [MM]										WORKING LOAD	WEIGHT
cast iron + fiberglass	cast iron + aluminium	A	B	C	D	E	F	G	H	I	L	[kN]	[kg]
<b>RUT013</b>	<b>RUT014</b>	25	24	68	3120	1035	580	1495	560	305	145	60	183
<b>RUT015</b>	<b>RUT016</b>	25	24	95	3260	1035	580	1600	640	326	175	60	200

**RUQ**

MODEL		DIMENSIONS [MM]											WORKING LOAD	WEIGHT
cast iron + fiberglass	cast iron + aluminium	A	B	C	D	E	F	G	H	I	L	M	[kN]	[kg]
<b>RUQ017</b>	<b>RUQ018</b>	25	24	68	3120	1035	580	1495	760	305	145	100	60	255
<b>RUQ019</b>	<b>RUQ008</b>	25	24	95	3260	1035	580	1600	900	326	175	130	60	280

**RET**

MODEL		DIMENSIONS [MM]										WORKING LOAD	WEIGHT
cast iron + fiberglass	cast iron + aluminium	A	B	C	D	E	F	G	H	I	L	[kN]	[kg]
<b>RET002</b>	<b>RET003</b>	40	21	68	3390	980	540	1445	665	305	145	60	196
<b>RET004</b>	<b>RET005</b>	40	21	95	3530	980	540	1550	745	326	175	60	215



LIGHT WEIGHT &amp; COMPACT

NO DIAMETER LIMITATION

EASY HANDLING &amp; TRANSPORTATION

## NYLATRON REINFORCED WITH FIBERGLASS

INTERCHANGEABLE LINING MADE BY NYLATRON REINFORCED WITH FIBERGLASS APPLIED ON BOTTOM OF THE GROOVE.\* EASY REPLACEMENT BY MEANS OF CONNECTING SCREW WITHOUT TO DISASSEMBLE THE SHEAVE.

\*THE MATERIAL HAS BEEN DETERMINED TOGETHER WITH POLITECNICO MILANO BY MEANS OF NUMERICAL CALCULATION OF FRICTION INVOLVED, EXPERIMENTAL TEST AND TRIBOLOGIC WEAR TEST.

PARTICULARLY RECOMMENDED FOR HTLS CONDUCTOR BECAUSE THE REDUCED FRICTION ALLOW THE CONDUCTOR TO EASILY SELF-ADJUST ON THE BOTTOM OF THE GROOVE, MINIMIZING TRADITIONAL STRESS.



## CAST IRON

INTERCHANGEABLE LINING MADE BY COST IRON, APPLIED ON THE BOTTOM OF THE GROOVE.\*

EASY REPLACEMENT BY MEANS OF CONNECTING SCREW WITHOUT TO DISASSEMBLE THE SHEAVE.

PARTICULARLY RECOMMEND FOR CENTRAL WHEELS OF BUNDLE ROLLERS, WHERE THE ANTITWISTING STEEL BRAIDED ROPE IS PASSING.



## ALUMINIUM

INTERCHANGEABLE SECTOR MADE BY ALUMINIUM ALLOY, WITH SHAPE EQUAL TO NYLATRON LINING, AND THEREFORE APPLICABLE ON ALL RANGE AS THE NYLATRON ONES.

PARTICULARLY RECOMMENDED IN CASE OF EARTHING OR EQUIPOTENTIAL REQUIREMENT FOR THE WHOLE STRINGING BLOCK, TOGETHER WITH SHEAVE BEARING CONDUCTIVE GREASE.

ALSO RECOMMENDED IN CASE OF HIGH WEAR CONDITIONS.



## MTX

### EARTHING DEVICES FOR STRINGING BLOCKS



#### ALUMINIUM STRINGING BLOCKS

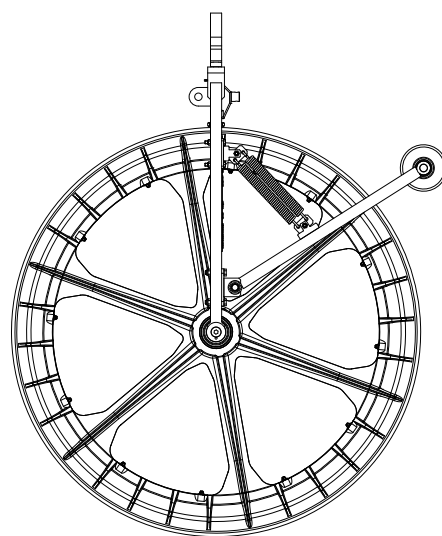
STRINGING BLOCKS MODEL	DIAMETER 400-500	DIAMETER 650		DIAMETER 800		DIAMETER 1000
		68 NARROW GROOVE	95 WIDE GROOVE	68 Narrow Groove	95 WIDE GROOVE	
<b>CAS</b>	MTX120	MTX079	MTX079	MTX079	MTX079	MTX081
<b>CAT</b>		MTX101	MTX122	MTX129	MTX102	MTX103
<b>CAQ</b>		MTX104	MTX105	MTX130	MTX131	MTX106
<b>CES</b>		MTX090	MTX090	MTX090	MTX090	MTX089
<b>CET</b>		MTX107	MTX108	MTX134	MTX135	MTX109
<b>CEQ</b>		MTX110	MTX111	MTX132	MTX133	MTX112
<b>CAE</b>			MTX117		MTX136	

#### NYLON STRINGING BLOCKS

STRINGING BLOCKS MODEL	DIAMETER 560	DIAMETER 700
<b>CAS</b>	MTX140	MTX143
<b>CAT</b>	MTX138	MTX141
<b>CAQ</b>	MTX139	MTX142

#### CHARACTERISTICS

Earthing devices can be supplied on single, bundle and helicopter wheels manufactured by Tesmec.  
Grounding devices complies with IEC TR 61328 REV.3 requirement 20 kA a for 20 cycles.



CAS006+MTX081



## CCA

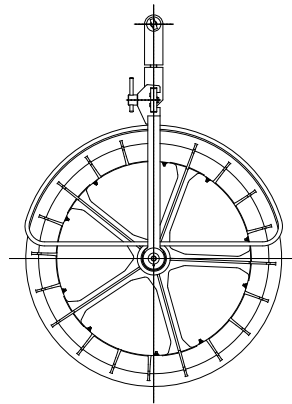
### ANTIFLEETING DEVICES

#### ANTIFLEETING DEVICES FOR SINGLE STRINGING BLOCKS

included	for D=250
<b>CCA300</b>	for D=350
<b>CCA600</b>	for D=650
<b>CCA400</b>	for D=400
<b>CCA500</b>	for D=500
<b>CCA800</b>	for D=800
<b>CCA000</b>	for D=1000
<b>CCA001</b>	for D=1200
<b>CCA009</b>	for D=1500

#### ANTIFLEETING DEVICES FOR BUNDLE STRINGING BLOCKS

<b>CCA601</b>	for D=650
<b>CCA801</b>	for D=800
<b>CCA007</b>	for D=1000
<b>CCA400</b>	for D=1200
<b>CCA500</b>	for D=1500



CCA

## RACKS

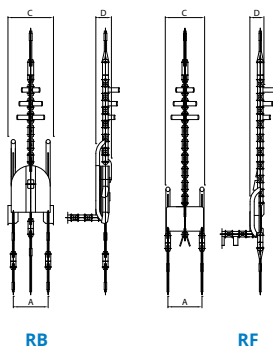
### FOR HANDLING & STORAGE

TO FACILITATE TRANSPORT, STORAGE AND WAREHOUSING OF THE BLOCKS TESMEC SUPPLIES SPECIAL RACKS IN WOODS OR STEEL, CUSTOMIZED FOR EVERY KIND OF MODEL.

OUR RACKS ARE THOUGHT TO BE EASY TO HANDLE AND THE LIGHT STRUCTURE GUARANTEES THE TOP SAFETY LEVEL THANKS TO THE HIGH QUALITY OF MATERIALS.

THE RACKS ARE DESIGNED SPECIFICALLY TO BE MOVED BY FORKLIFTS, TOWER CRANES AND OVERHEAD CRANES.





## RB

TWO OR THREE BUNDLED CONDUCTORS BALANCING HEAD BOARDS

## RF

TWO OR THREE BUNDLED CONDUCTORS FIXED HEAD BOARDS

### RF

MODEL	DIMENSIONS [MM]			WORKING LOAD [kN]	WEIGHT [kg]	FOR STRINGING BLOCKS		EQUIPMENT		PHASE TYPE
								SWIVEL JOINTS	STEEL ROPE SECTION	
	A	C	D			STANDARD	HELICOPTER	GGT020	GGT030	Ø 18
RFB020	292	335	144	93	98	CAT506 CAT612 CAT812 CST500 CST600 CST800	CET602 CET802	2	1	No. 2-3.5 m
RFB370	292	335	144	120	100					
RFT030	292	335	144	93	104			3	1	No. 3-3.5 m
RFT380	292	335	144	120	107					
RFB040	348	390	144	93	100	CAT613 CAT813 CAT007 CST601 CST801 CST001	CET603 CET803 CET002	2	1 1 GGT040	No. 2-3.5 m
RFB390	348	390	144	150	103					
RFT050	348	390	144	93	107			3	1 1 GGT040	No. 3-3.5 m
RFT400	348	390	144	150	110					

### RB

MODEL	DIMENSIONS [MM]			WORKING LOAD [kN]	WEIGHT [kg]	FOR STRINGING BLOCKS		EQUIPMENT		PHASE TYPE	NOTE
								SWIVEL JOINTS	STEEL ROPE SECTION		
	A	C	D			STANDARD	HELICOPTER	GGT020	GGT030	Ø 18	
RBB001	292	365	160	93	135	CAT506 CAT612 CAT812 CST500 CST600 CST800	CET602 CET802	2	1	No. 1-30 m	2 conductors
RBB580	292	365	160	120	140						
RBT010	292	365	160	93	157			3	1	No. 1-30 m No. 1-15 m	3 conductors balan. 1-3
RBT590	292	365	160	120	162						
RBT260	292	365	160	93	157			3	1	No. 1-30 m No. 1-15 m	3 conductors balan. 1-2
RBT680	292	365	160	120	162						
RBB020	348	415	176	93	143	CAT613 CAT813 CAT007 CST601 CST801 CST001	CET603 CET803 CET002	2	1 1 GGT040	No. 1-30 m	2 conductors
RBB690	348	415	176	150	148						
RBT030	348	415	176	93	165			3	1 1 GGT040	No. 1-30 m No. 1-15 m	3 conductors balan. 1-3
RBT560	348	415	176	150	170						
RBT140	348	415	176	93	165			3	1 1 GGT040	No. 1-30 m No. 1-15 m	3 conductors balan. 1-2
RBT700	348	415	176	150	170						

### CHARACTERISTICS

Specifically designed to connect the pulling rope, max 24 mm diameter, with 2 or 3 bundled conductors. The equipment includes the necessary rope lengths and swivel joints; quantity and models are indicated in the following tables. Special models with different characteristics are available on demand.

## RB

FOUR OR FIVE BUNDLED  
CONDUCTORS BALANCING  
HEAD BOARDS

## RF

FOUR OR FIVE BUNDLED  
CONDUCTORS FIXED HEAD  
BOARDS



### RF

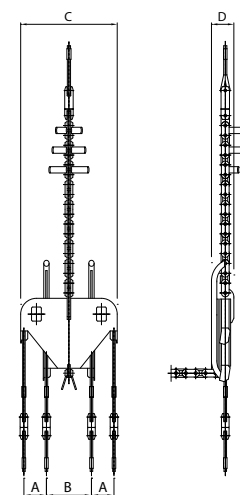
MODEL	DIMENSIONS [MM]				WORKING LOAD [kN]	WEIGHT [kg]	FOR STRINGING BLOCKS		EQUIPMENT			
	A	B	C	D			STANDARD	HELICOPTER	SWIVEL JOINTS GGT020 GGT030		STEEL ROPE SECTION Ø 18	
RFQ060	100	292	535	144	93	125	CAQ614	CEQ609	4	1	No.	
RFQ410	100	292	535	144	120	128	CAQ814	CEQ808			4-3.5 m	
RFQ070	130	340	643	144	93	133	CAQ615	CEQ612	4	1	No.	
RFQ420	130	340	643	144	150	136	CAQ815	CEQ809			4-3.5 m	
							CAQ008	CEQ003				
RFQ080	148	298	637	144	93	132	CSQ602	-	4	1	No.	
RFQ430	148	298	637	144	120	135	CSQ802				4-3.5 m	
RFQ090	178	356	755	144	93	136	CSQ603	-	4	1	No.	
RFQ440	178	356	755	144	150	140	CSQ803				4-3.5 m	
							CSQ002					
RFQ100	130	340	650	175	250	230	CAQ615	CEQ612	4	GGT040	No.	
							CAQ815	CEQ809				4-3.5 m
							CAQ008	CEQ003				1

### CHARACTERISTICS

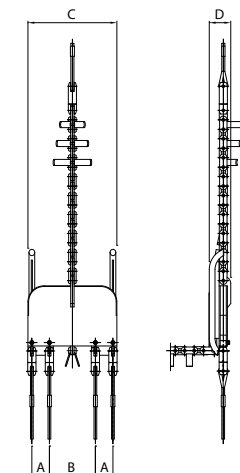
Specifically designed to connect the pulling rope, max 28 mm diameter, with 4 and 5 bundled conductors. The equipment includes the necessary rope lengths and swivel joints; quantity and models are indicated in the following tables. Special models with different characteristics are available on demand.

### RB

MODEL	DIMENSIONS [MM]				WORKING LOAD [kN]	WEIGHT [kg]	FOR STRINGING BLOCKS		EQUIPMENT		
	A	B	C	D			STANDARD	HELICOPTER	SWIVEL JOINTS GGT020   GGT030		STEEL ROPE SECTION Ø 18
RBQ040	100	292	540	150	93	190	CAQ614 CAQ814	CEQ609 CEQ808	4	1	No. 2-30 m
RBQ710	100	292	540	150	120	193					
RBQ050	130	340	648	160	93	205	CAQ615 CAQ815 CAQ008	CEQ612 CEQ809 CEQ003	4	1 GGT040	No. 2-30 m
RBQ720	130	340	648	160	150	208					
RBQ060	148	298	640	160	93	205	CSQ602 CSQ802	-	4	1	No. 2-30 m
RBQ730	148	298	640	160	120	208					
RBQ070	178	356	760	160	93	210	CSQ603 CSQ803 CSQ002	-	4	1 GGT040	No. 2-30 m
RBQ740	178	356	760	160	150	212					
RBP230	100	292	560	150	93	193	CAQ614 CAQ814	CEQ609 CEQ808	5	1	No. 2-30 m No. 1-15 m
RBP750	100	292	560	150	120	195					
RBP450	130	340	650	160	93	207	CAQ615 CAQ815 CAQ008	CEQ612 CEQ809 CEQ003	5	1	No. 2-30 m No. 1-15 m No. 2-30 m No. 2-30 m
RBP760	130	340	650	160	150	209					
RBQ080	130	340	650	175	250	230					
RBP770	130	340	650	175	250	250					
RBQ090	130	340	650	175	250	250					
RBQ090	130	340	650	175	250	250	CAQ615 CAQ815 CAQ008	CEQ612 CEQ809 CEQ003	6	1	No. 2-15 m
RBQ090	130	340	650	175	250	250					
RBQ090	130	340	650	175	250	250					
RBQ090	130	340	650	175	250	250					
RBQ090	130	340	650	175	250	250					



RB



RF



**RB****TWO OR THREE BUNDLED CONDUCTORS BALANCING HEAD BOARDS****RF****TWO OR THREE BUNDLED CONDUCTORS FIXED HEAD BOARDS****RB**

MODEL	DIMENSIONS [MM]  A          C          D			WORKING LOAD [kN]	WEIGHT [kg]	FOR STRINGING BLOCKS  STANDARD	EQUIPMENT			PHASE TYPE	NOTE
							SWIVEL JOINTS  GGT020         GGT030		STEEL ROPE SECTION Ø 18		
RBB600	217	257	170	93	130	CAT526 CAT700	2	1	No. 1-30 m	2 conductors	
RBT610	217	257	170	93	130		3	1	No. 1-30 m	3 conductors	balan. 1-3
RBT620	217	257	170	93	130				No 1-15 m		balan. 1-2

**RF**

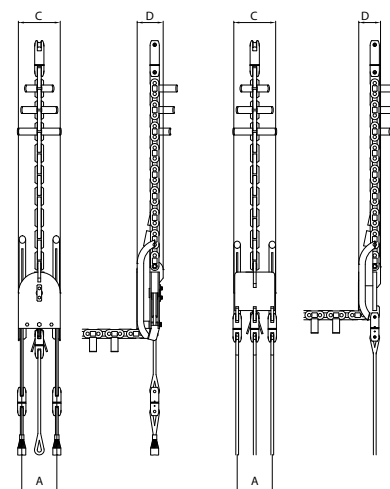
MODEL	DIMENSIONS [MM]			WORKING LOAD	WEIGHT	FOR STRINGING BLOCKS	EQUIPMENT			PHASE TYPE
							SWIVEL JOINTS		STEEL ROPE SECTION	
	A	C	D				[kN]	[kg]	STANDARD	
RFB600	217	257	170	93	90	CAT526 CAT700	2	1	No. 2-3.5 m	2 conductors
RFT610	217	257	170	93	97		3	1	No. 3-3.5 m	3 conductors

**CHARACTERISTICS**

Specifically designed to connect the pulling rope, max 28 mm diameter, with 4 and 5 bundled conductors.

The equipment includes the necessary rope lengths and swivel joints; quantity and models are indicated in the following tables.

Special models with different characteristics are available on demand.



## RB

FOUR OR FIVE BUNDLED  
CONDUCTORS BALANCING  
HEAD BOARDS

## RF

FOUR OR FIVE BUNDLED  
CONDUCTORS FIXED HEAD  
BOARDS



### RB

MODEL	DIMENSIONS [MM]				WORKING LOAD [kN]	WEIGHT [kg]	FOR STRINGING BLOCKS STANDARD	EQUIPMENT		PHASE TYPE	NOTE
	A	B	C	D				SWIVEL JOINTS GGT020 GGT030	STEEL ROPE SECTION Ø 18		
RBQ650	109	218	453	170	93	180	CAQ527 CAQ701	4	1	No. 2-30 m	4 conductors
RBQ640	109	218	453	170	93	185		5	1	No. 2-30 m No 1-15 m	5 conductors balan. 1-3

### RF

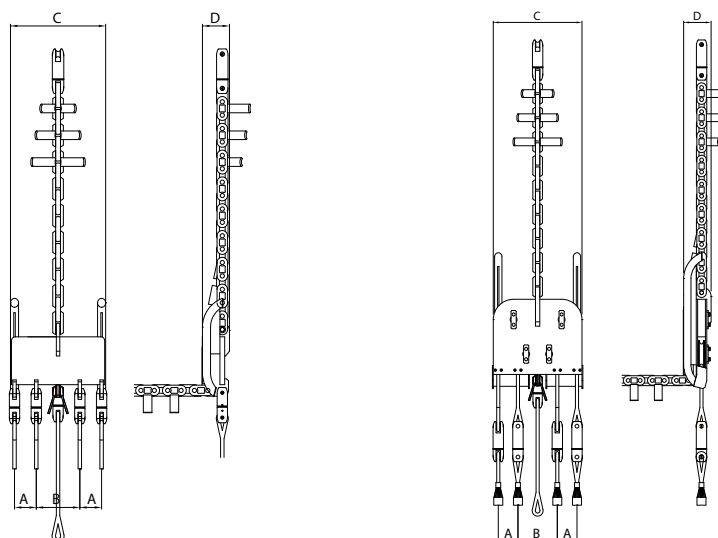
MODEL	DIMENSIONS [MM]				WORKING LOAD [KN]	WEIGHT [KG]	FOR STRINGING BLOCKS STANDARD	EQUIPMENT		PHASE TYPE	
	A	B	C	D				SWIVEL JOINTS GGT020 GGT030	STEEL ROPE SECTION Ø 18		
RFQ620	109	218	453	170	93	115	CAQ527 CAQ701	4	1	No. 4-3.5 m	4 conductors
RFP630	109	218	453	170	93	125		5	1	No. 5-3.5 m	5 conductors

### CHARACTERISTICS

Specifically designed to connect the pulling rope, max 24 mm diameter, with 2 or 3 bundled conductors.

The equipment includes the necessary rope lengths and swivel joints; quantity and models are indicated in the following tables.

Special models with different characteristics are available on demand.





## SPECIAL YOKE

THE COMPLETE RANGE OF STANDARD AND SPECIAL BLOCKS CAN BE FURTHER CUSTOMIZED WITH SPECIAL YOKES, DESIGNED FOR ANY NEED, AND THEN SIZED AND TESTED ACCORDING TO THE REQUIRED LOAD.



## HEAVY DUTY BLOCKS

THANKS TO MORE THAN 65 YEARS OF EXPERIENCE, TESMEC DEVELOPS SOLUTIONS DEDICATED TO EVERY KIND OF JOBSITES. THE R&D DEPARTMENT EFFORTS ARE ORIENTED TO OVERCOME EVEN THE MOST DIFFICULT PROJECTS. THE HEAVY DUTY BLOCKS ARE AN EXAMPLE OF POSITIVE COOPERATION WITH THE CUSTOMER, CAM037 IS THE LATEST SOLUTIONS DEVELOPED TO FACE THE EXTREME SITE CONDITIONS WITH A BREAKING LOAD OF 600 KN.



## HEAT AND EARTHING HEAVY DUTY

TO REACH THE TOP SAFETY LEVEL ON JOBSITE PREVENTING ACCIDENTS, TESMEC PUT A GREAT ATTENTION ON THE HEAT AND EARTHING DEVICES SUPPLIED WITH BRUSHED SYSTEM.

ALL THE ITEMS COMPLY WITH THE LATEST REGULATIONS AND SOLVE ESSENTIALLY TWO PRIMARY FUNCTIONS:

- AVOID INDUCTION BY DRAINING CURRENT
- PREVENT THE OVERHEATING, KEEPING THE WARMING UNDER CONTROL.



