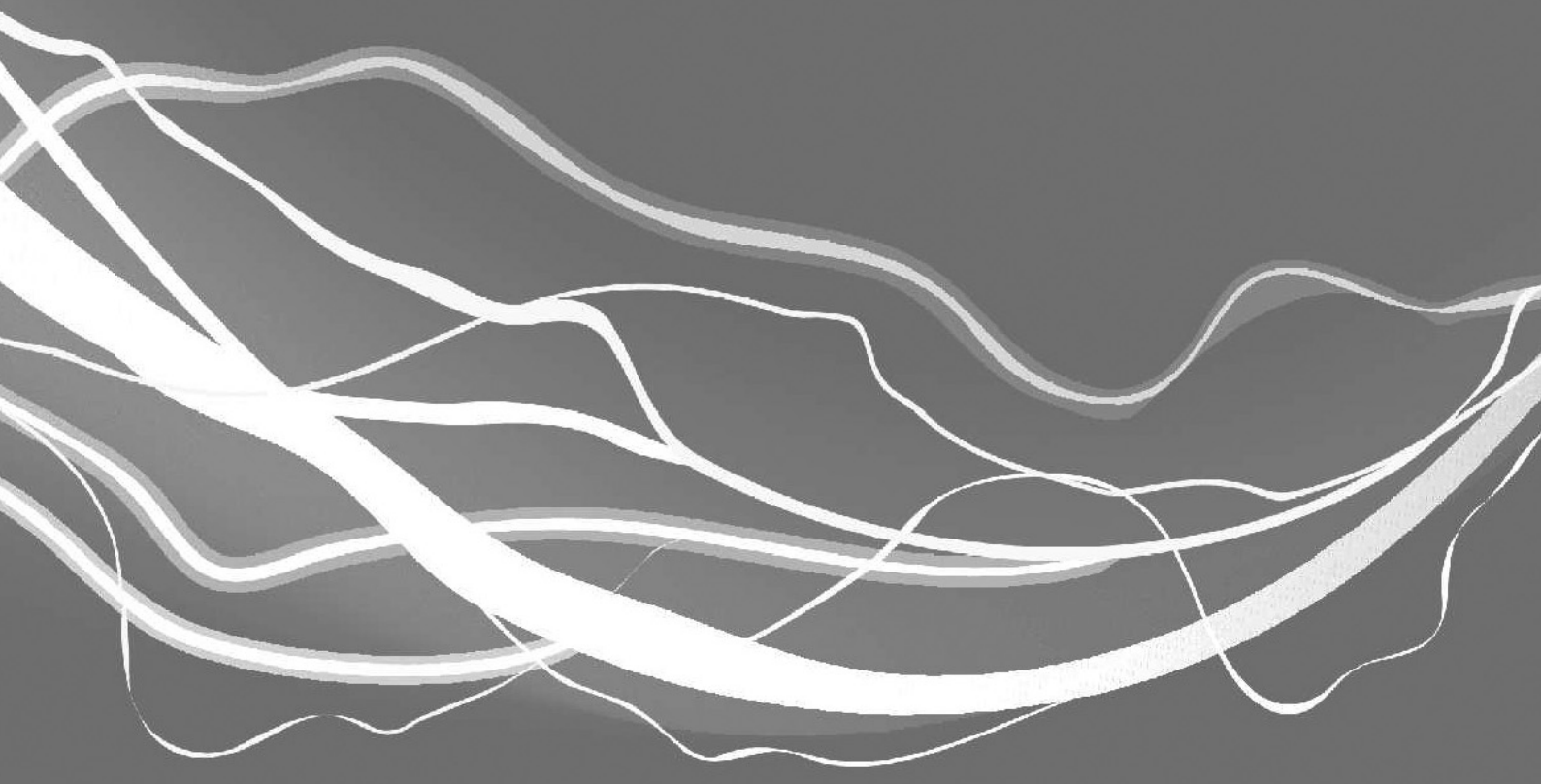
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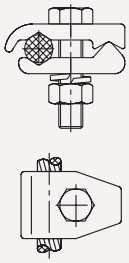
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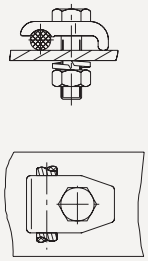
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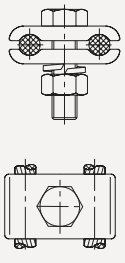
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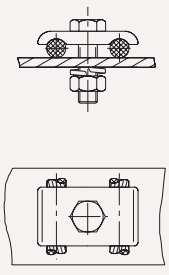
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GT1

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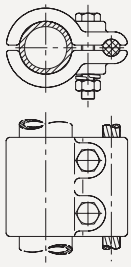
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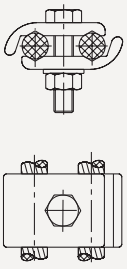
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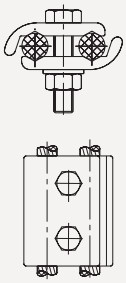
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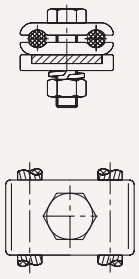
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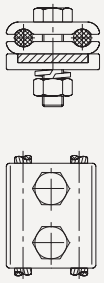
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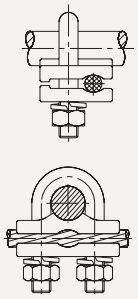
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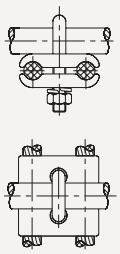
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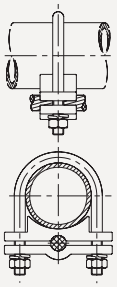
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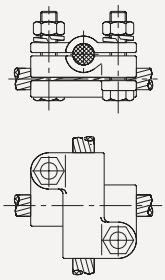
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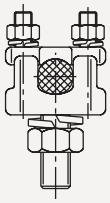
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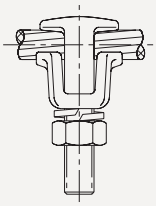
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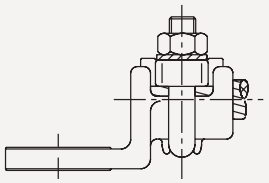
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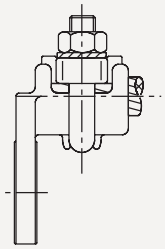
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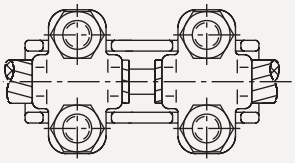
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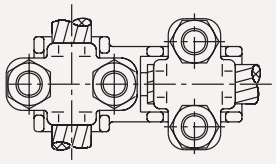
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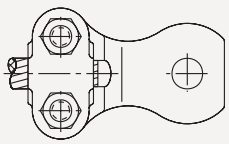
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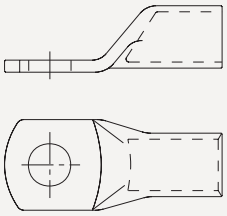
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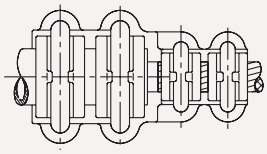


RTP

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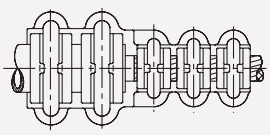


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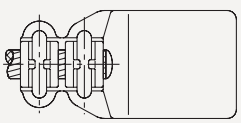
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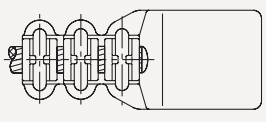
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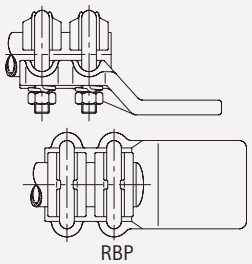
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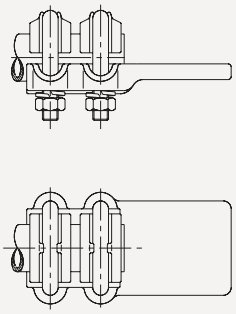
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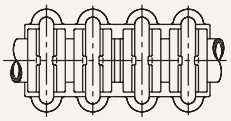
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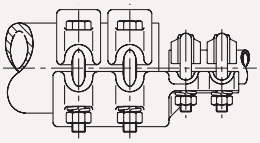
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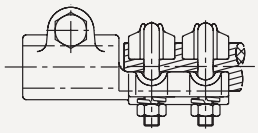
RBB-FIG.1

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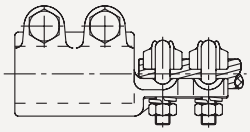
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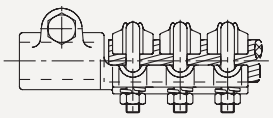
RBRC-FIG.1

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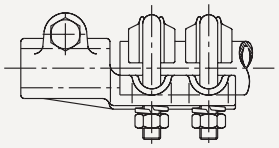
RBRC-FIG.2

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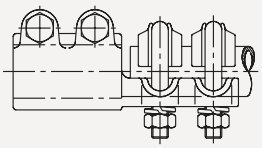
RBRC3

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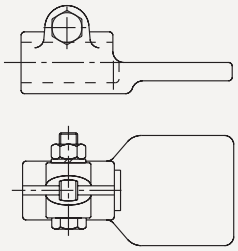
RBRB-FIG.1

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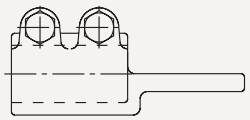
RBRB-FIG.2

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RBRP-FIG.1

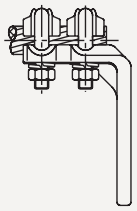
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RBRP-FIG.2

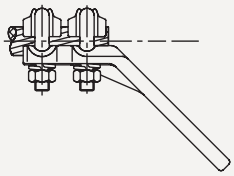
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CONECTORES ACODADOS / BEND CONNECTORS / RACCORDS COUDES



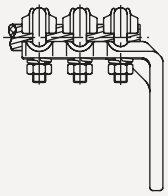
LCP

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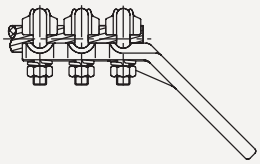
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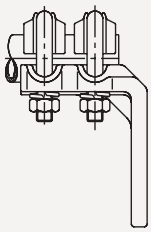
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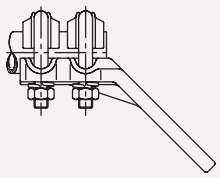
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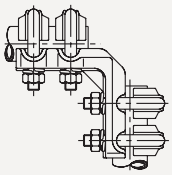
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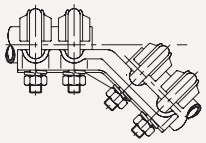
LBP45

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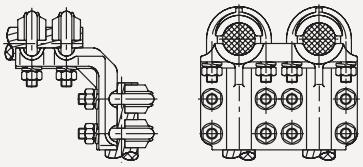
LBB

Pag. 54



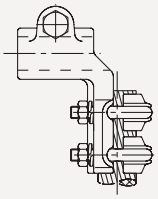
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Pag. 54



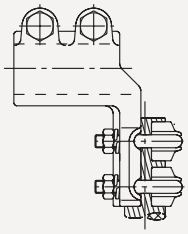
LDCC

Pag. 54



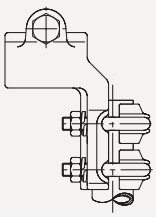
LBRC-FIG. 1

Pag. 55



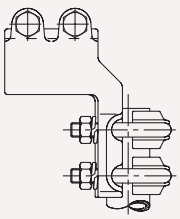
LBRC-FIG. 2

Pag. 55



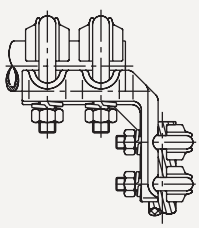
LBRB-FIG. 1

Pag. 56



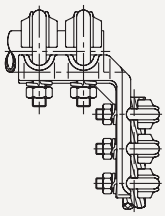
LBRB-FIG. 2

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LBC

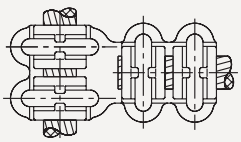
Pag. 57



LBC3

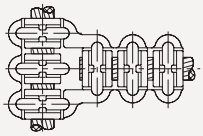
Pag. 57

DERIVACIONES EN T / T CONNECTORS / RACCORDS EN T



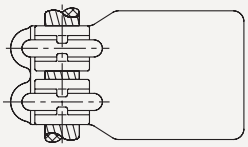
DCC

Pag. 60



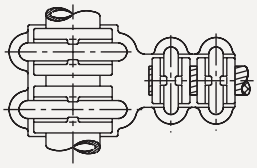
DCC3

Pag. 60



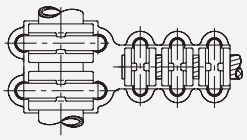
DCP

Pag. 61



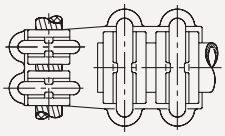
DBC

Pag. 61



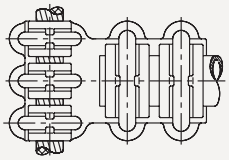
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Pag. 62



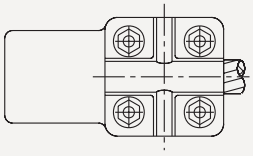
DCB

Pag. 62



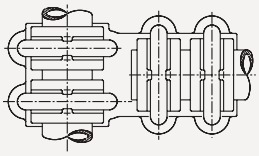
DC3B

Pag. 63



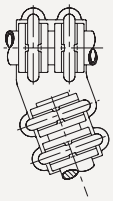
DXP

Pag. 63



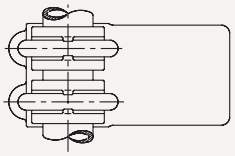
DBB

Pag. 64



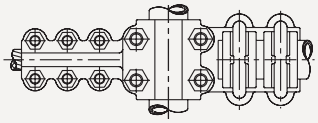
DBB&t

Pag. 64



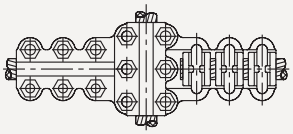
DBP

Pag. 65



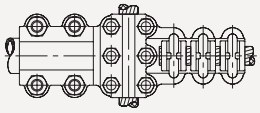
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Pag. 65



DXCCC

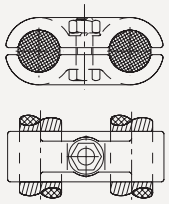
Pag. 66



DXCCB

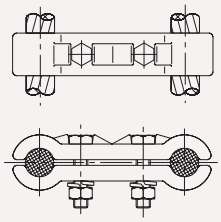
Pag. 66

CONECTORES DUPLEX / DUPLEX CONNECTORS / RACCORDS DUPLEX



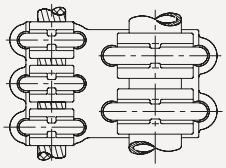
U.6

Pag. 70



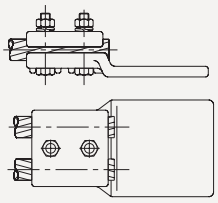
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Pag. 70



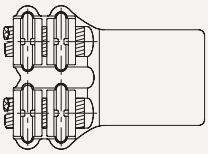
UBC

Pag. 70



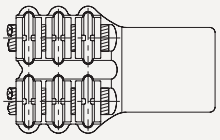
R2CP

Pag. 71



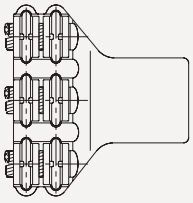
R2CP1

Pag. 71



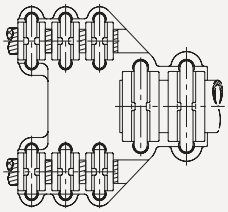
R2CP3

Pag. 72



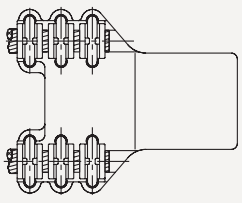
R3CP

Pag. 72



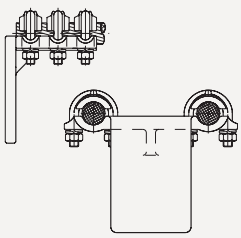
RD3B

Pag. 73



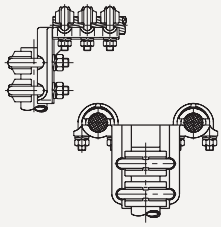
RD3P

Pag. 73



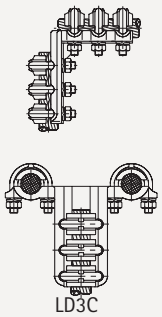
LD3P

Pag. 74



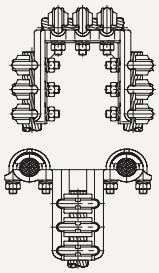
LD3B

Pag. 74



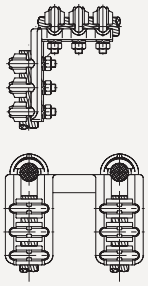
LD3C

Pag. 75



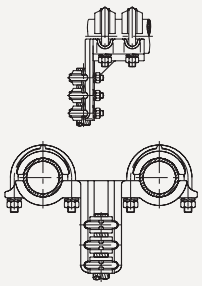
LDX3C

Pag. 75



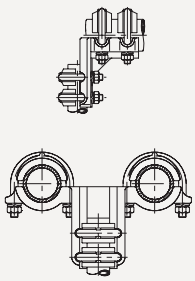
LDD3C

Pag. 76



LDBC3

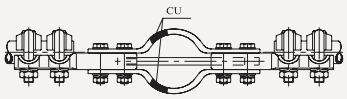
Pag. 76



LDBB

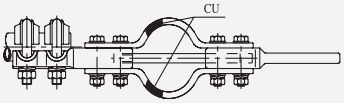
Pag. 77

CONECTORES DE DILATACIÓN / EXPANSION CONNECTORS / RACCORDS SOUPLES



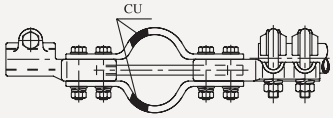
RFBB

Pag. 80



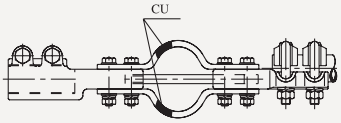
RFBP

Pag. 80



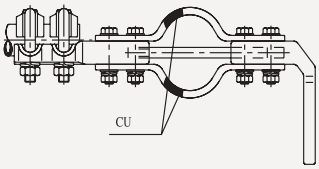
RFBRB-FIG. 1

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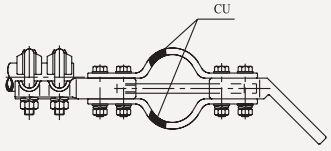
RFBRB-FIG. 2

Pag. 81



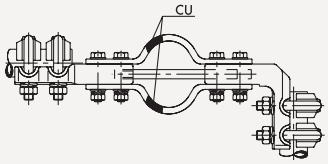
LFBP

Pag. 82



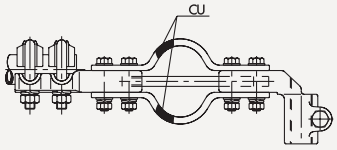
LFBP45

Pag. 82



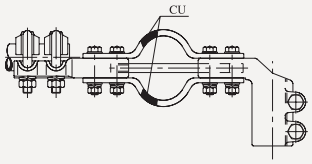
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Pag. 82



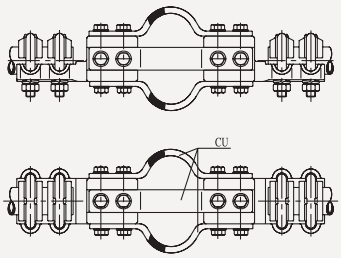
LFBBR-FIG.1

Pag. 83



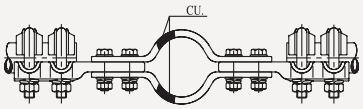
LFBBR-FIG. 2

Pag. 83



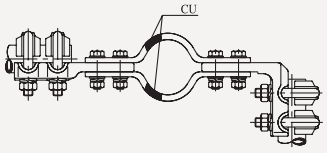
RFBB4

Pag. 83



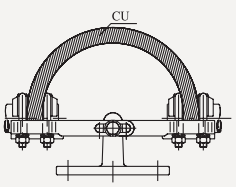
RFBB2

Pag. 84



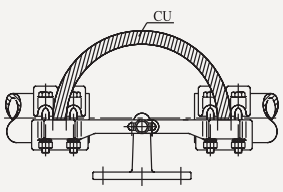
LFBB2

Pag. 84



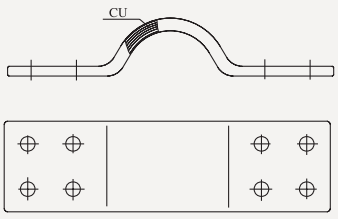
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Pag. 85



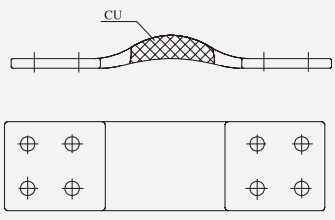
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Pag. 85



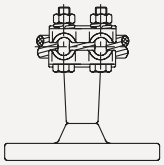
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Pag. 86



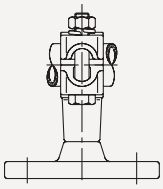
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Pag. 86



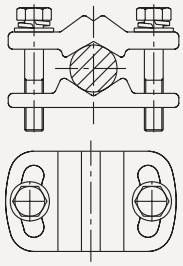
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Pag. 90



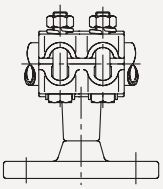
PB1

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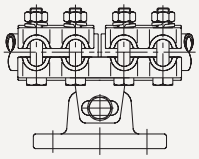
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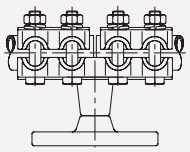
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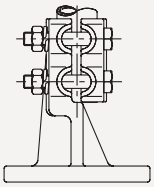
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Pag. 92



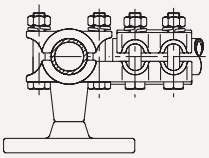
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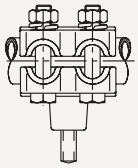
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Pag. 93



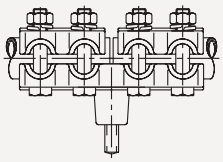
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Pag. 93



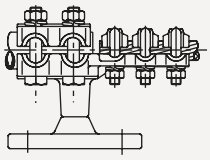
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Pag. 94



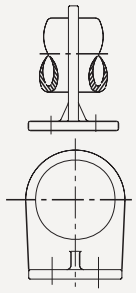
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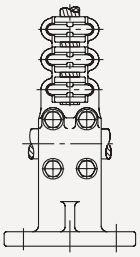
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Pag. 95



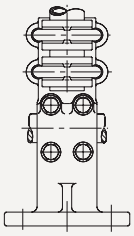
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Pag. 95



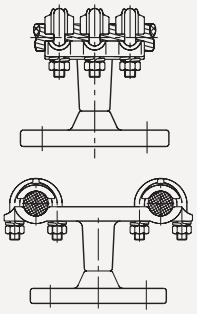
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Pag. 96



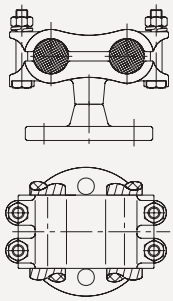
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Pag. 96



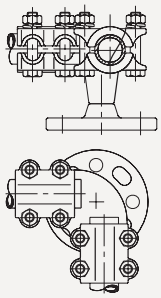
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Pag. 97



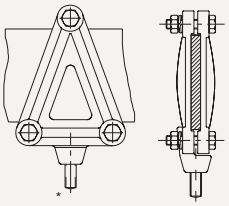
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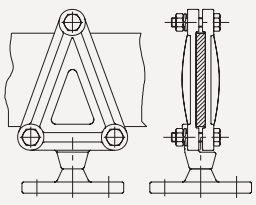
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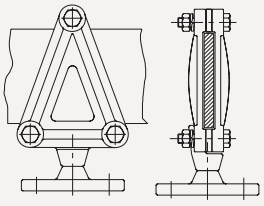
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Pag. 102



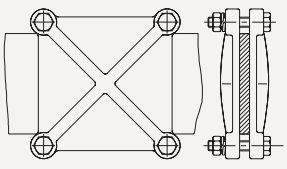
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Pag. 102



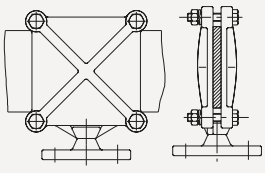
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Pag. 103



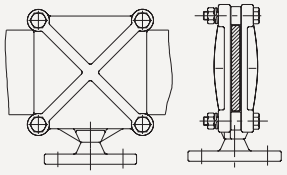
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Pag. 103



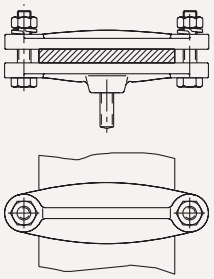
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Pag. 104



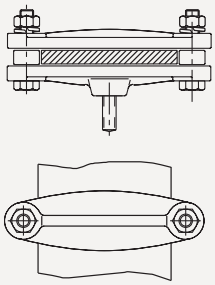
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Pag. 104



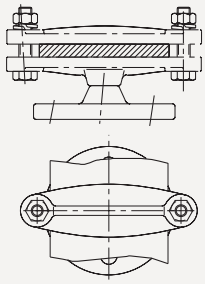
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Pag. 105



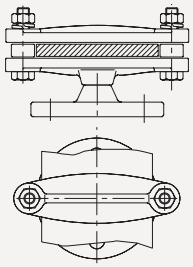
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Pag. 105



PPH

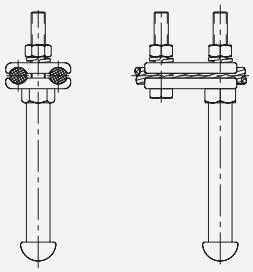
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PPHD

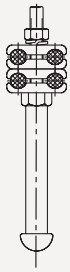
Pag. 106

PUNTOS FIJOS / FIX POINTS / POINTS FIXES



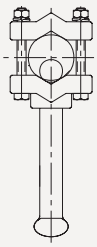
GT2B

Pag. 110



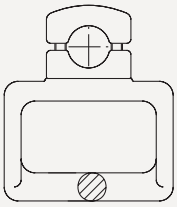
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Pag. 110



PFP

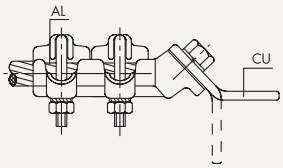
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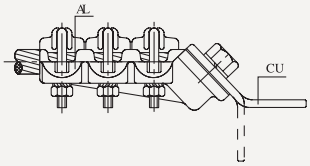
Pag. 111

CONECTORES BIMETÁLICOS / BIMETALLIC CONNECTORS / RACCORDS BIMETALLIQUES



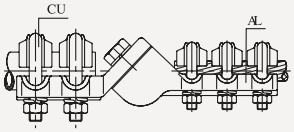
XRCP

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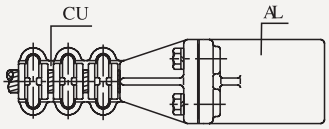
XRC3P

Pag. 116



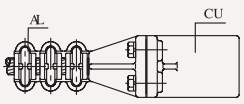
XRBC

Pag. 116



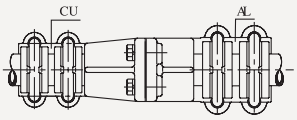
XRCP-FIG. 1

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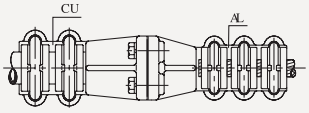
XRCP-FIG. 2

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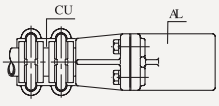
XRBB

Pag. 118



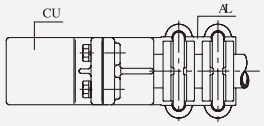
XRBC

Pag. 118



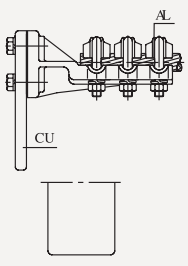
XRBP-FIG. 1

Pag. 119



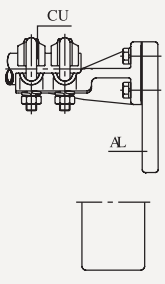
XRBP-FIG. 2

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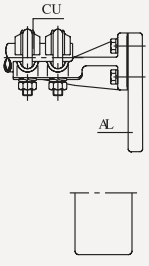
XLCP-FIG. 1

Pag. 120



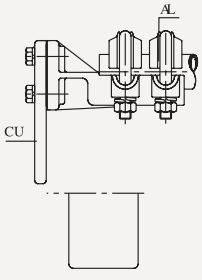
XLCP-FIG. 2

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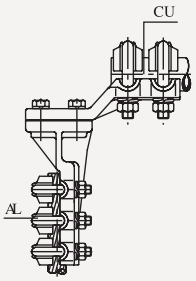
XLBP-FIG. 1

Pag. 121



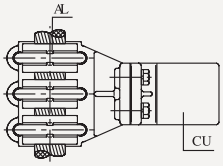
XLBP-FIG. 2

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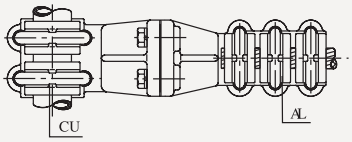
XLBC

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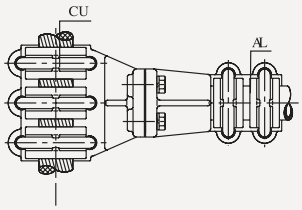
XDCP

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XDBC

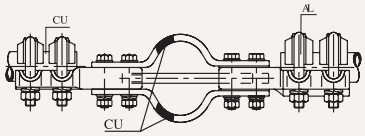
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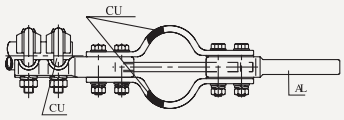
Pag. 123

CONECTORES DE DILATACIÓN / EXPANSION CONNECTORS / RACCORDS A DILATATION



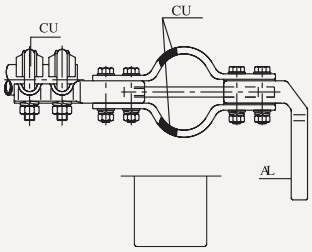
XRFBB

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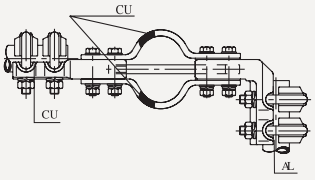
XRFBP

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XLFBP

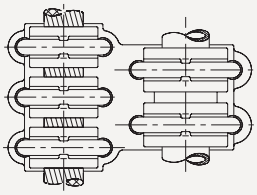
Pag. 127



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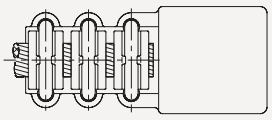
Pag. 127

CONECTORES DE ALUMINIO / ALUMINIUM CONNECTORS / RACCORDS D'ALUMINIUM



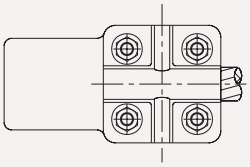
AUBC

Pag. 132



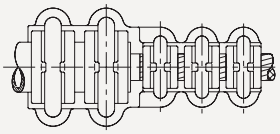
ARCP

Pag. 132



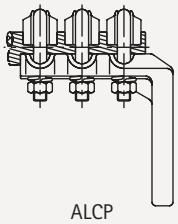
ADXP

Pag. 133



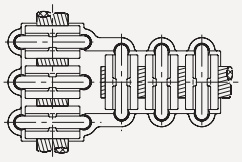
ARBC

Pag. 133



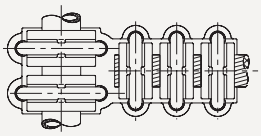
ALCP

Pag. 134



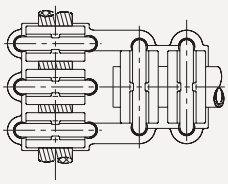
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Pag. 135



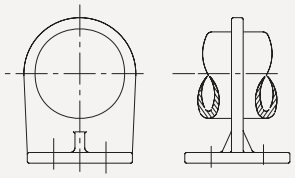
ADBC

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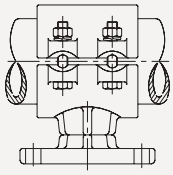
ADCB

Pag. 136



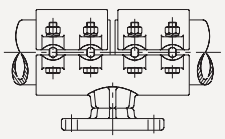
ASPD

Pag. 137



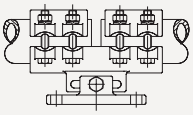
APB

Pag. 137



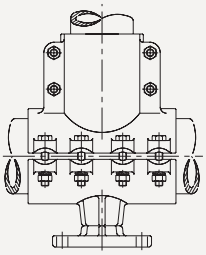
APEB

Pag. 138



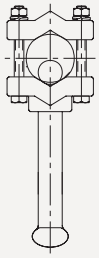
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APEBV

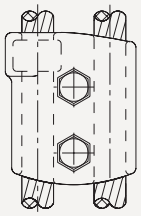
Pag. 138



APFP

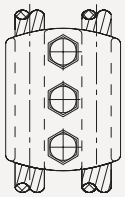
Pag. 139

GRAPAS Y CABLES EN PARALELO / PARALLEL CLAMPS AND CABLES / PINCES ET CABLES EN PARALLELE



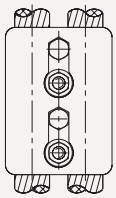
MU2

Pag. 156



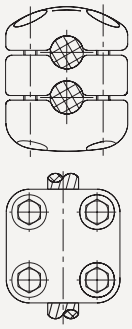
MU3

Pag. 156



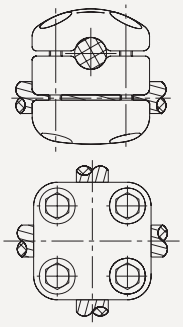
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Pag. 156



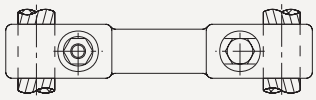
MG

Pag. 157



MGX

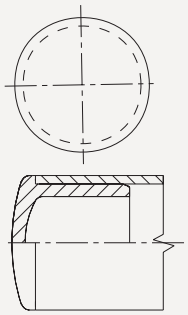
Pag. 157



MU

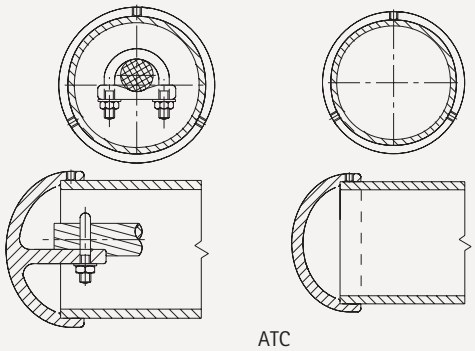
Pag. 158

TAPONES PARA TUBO / TUBE END CAPS / BOUCHONS DE TUBE



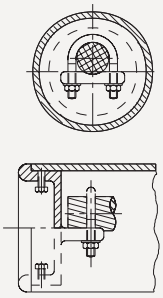
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Pag. 162



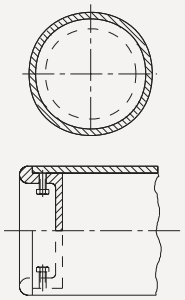
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Pag.162



ATPG

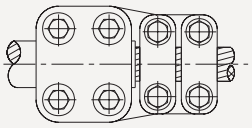
Pag. 163



ATP

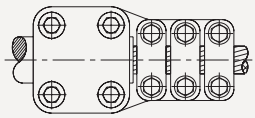
Pag. 163

CONECTORES RECTOS / STRAIGHT CONNECTORS / RACCORDS DROITS



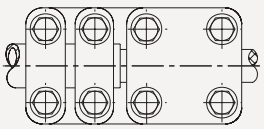
MRBCT

Pag. 166



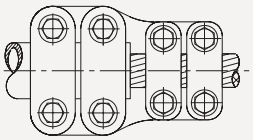
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Pag.167



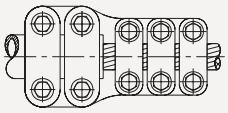
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Pag. 168



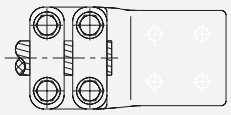
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Pag. 169



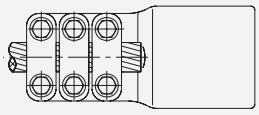
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Pag. 170



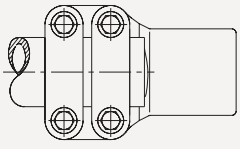
MRCP

Pag. 171



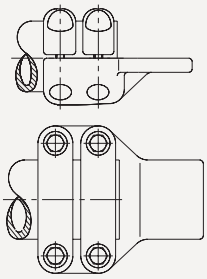
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Pag. 172



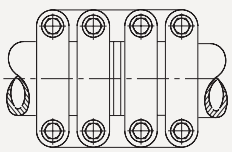
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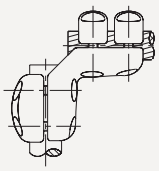
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MRBB

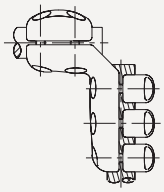
Pag. 174

CONECTORES ACODADOS / BEND CONNECTORS / RACCORDS COUDES



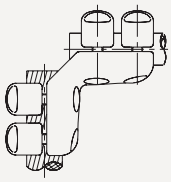
MLBCT

Pag. 178



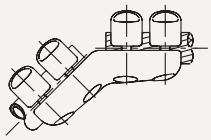
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Pag. 178



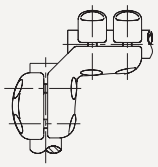
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Pag. 179



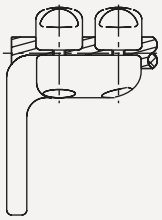
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Pag. 179



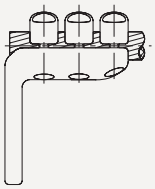
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Pag. 180



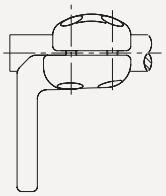
MLCP

Pag. 181



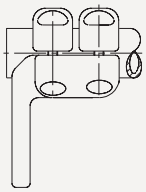
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Pag. 182



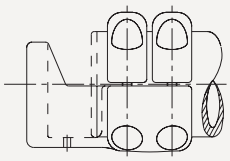
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Pag. 182



MLBP

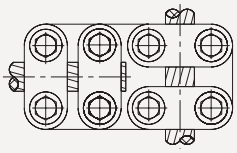
Pag. 183



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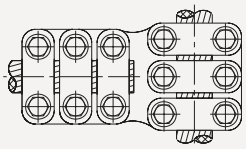
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DERIVACIÓN EN T PARA CABLES / T CONNECTOR FOR CABLES / RACCORD EN T POUR CABLES



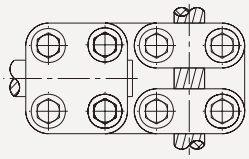
MDCC

Pag. 186



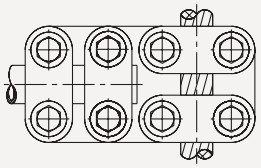
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Pag. 187



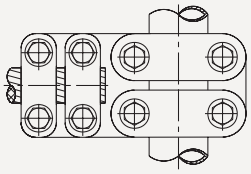
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Pag. 187



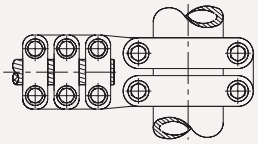
MDCB

Pag. 188



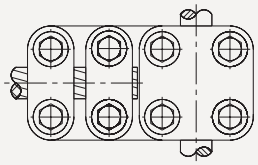
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Pag. 189



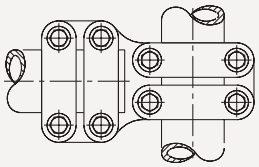
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Pag. 190



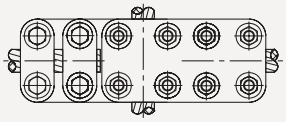
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Pag. 190



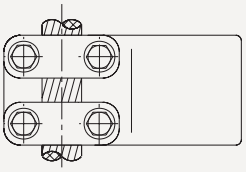
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Pag. 191



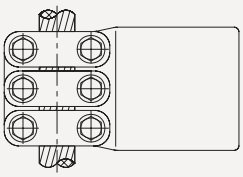
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Pag. 191



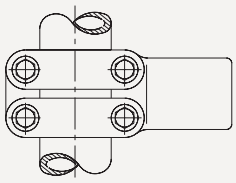
MDCP

Pag. 192



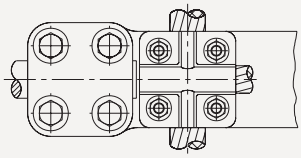
MDC3P

Pag. 193



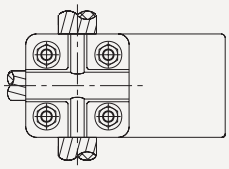
MDBP

Pag. 193



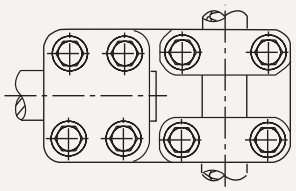
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Pag. 194



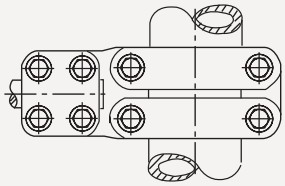
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Pag. 194



MDBBT

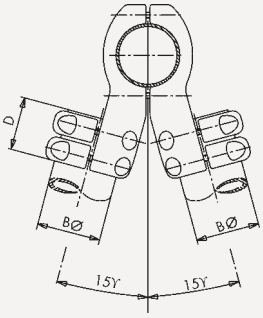
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MDBBT

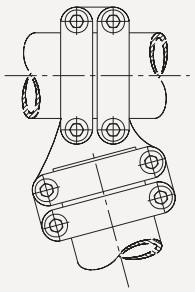
Pag. 195

CONEXIONES ESPECIALES EN ÁNGULO / SPECIAL CONNECTORS IN ANGLE / RACCORDS SPECIALS EN ANGLE



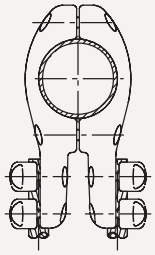
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Pag. 198



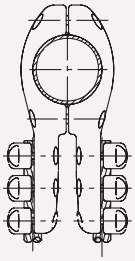
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Pag. 198



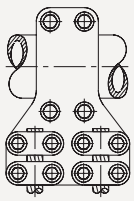
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Pag. 199



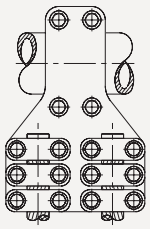
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Pag. 199



MTBD.1

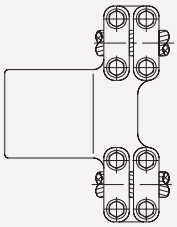
Pag. 200



MTBD3.1

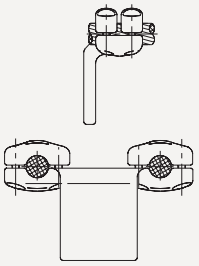
Pag. 200

CONECTORES DUPLEX / DUPLEX CONNECTORS / RACCORDS DUPLEX



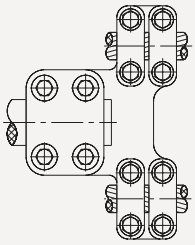
MRDP

Pag. 204



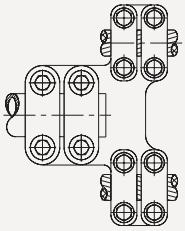
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Pag. 205



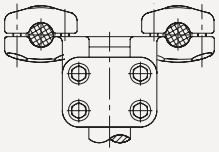
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Pag. 206



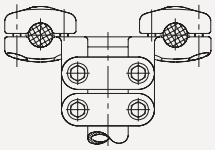
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Pag. 207



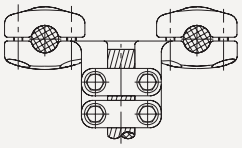
MLDBT

Pag. 208



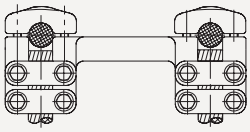
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Pag. 209



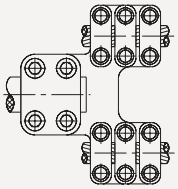
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Pag. 210



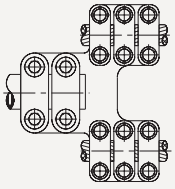
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Pag. 211



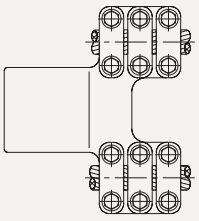
MRD3BT

Pag. 212



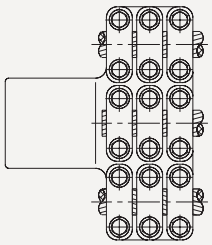
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Pag. 212



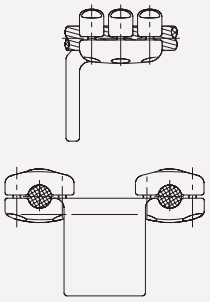
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Pag. 213



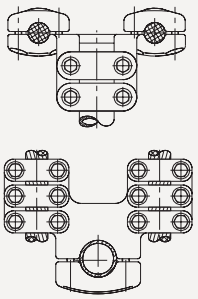
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Pag. 213



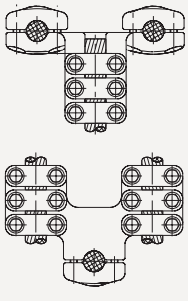
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Pag. 214



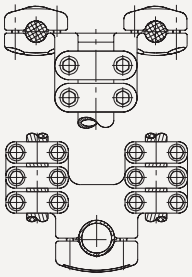
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Pag. 214



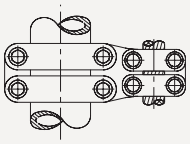
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Pag. 215



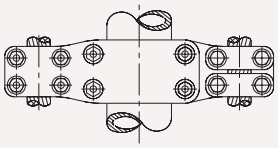
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Pag. 216



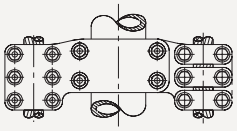
MUBC

Pag. 217



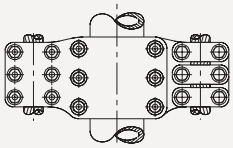
MUDB

Pag. 218



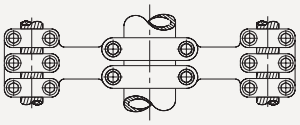
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Pag. 218



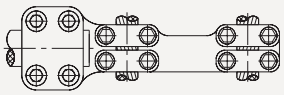
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Pag. 219



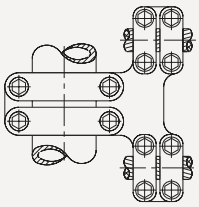
MLCP

Pag. 219



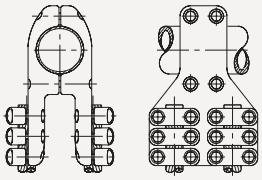
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Pag. 220



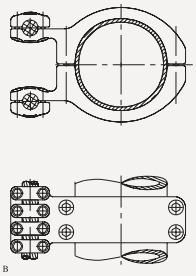
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Pag. 220



MTD2B3.1

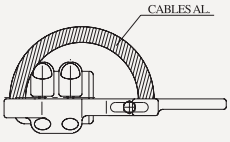
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MUD4B.2

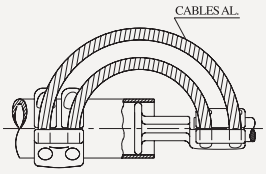
Pag. 221

CONECTORES DE DILATACIÓN / EXPANSION CONNECTORS / RACCORDS A DILATATION



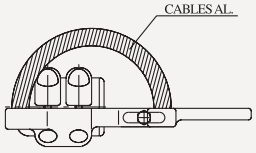
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Pag. 224



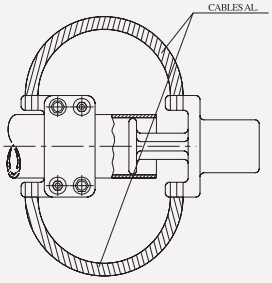
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Pag. 224



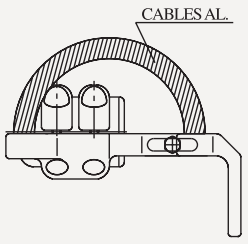
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Pag. 225



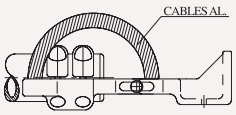
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Pag. 225



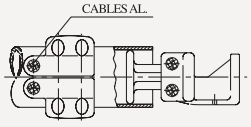
MLFBP

Pag. 226



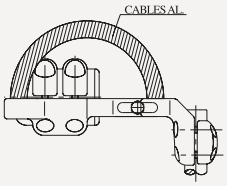
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Pag. 226



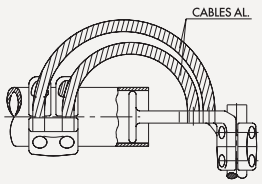
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Pag. 226



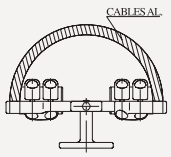
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Pag. 227



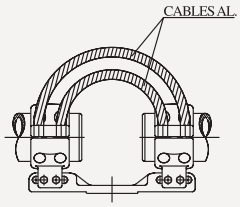
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Pag. 227



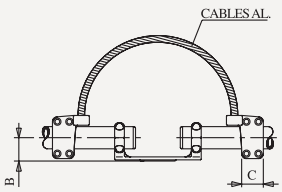
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Pag. 228



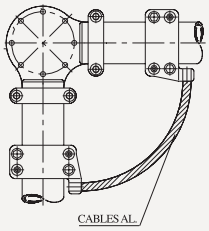
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Pag. 229



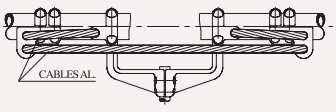
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Pag. 229



MPDFBI

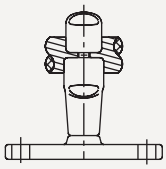
Pag. 230



MFDB2B

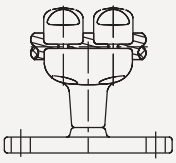
Pag. 230

SOPORTES / SUPPORTS / SUPPORTS



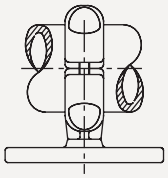
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Pag. 234



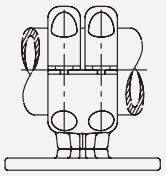
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Pag. 234



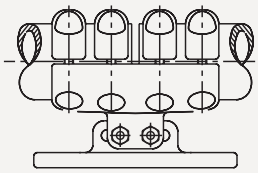
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Pag. 234



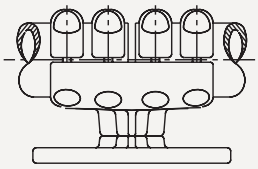
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Pag. 235



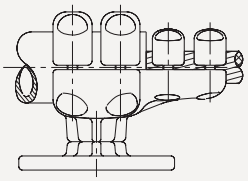
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Pag. 235



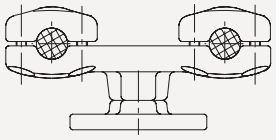
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Pag. 235



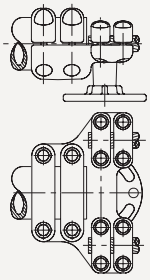
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Pag. 236



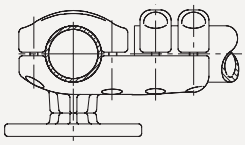
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Pag. 236



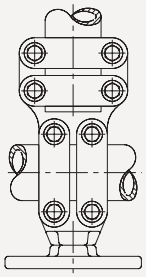
MPDUB

Pag. 237



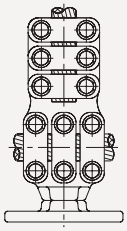
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Pag. 237



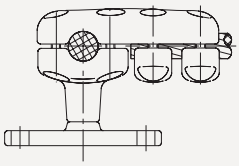
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Pag. 238



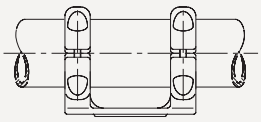
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Pag. 238



MPDCC

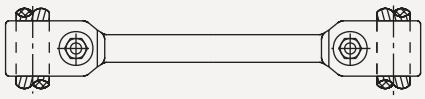
Pag. 239



MPEBI

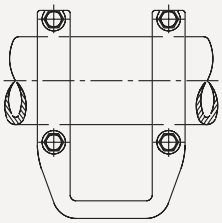
Pag. 239

PUNTOS FIJOS Y PINZA DE PUESTA A TIERRA / FIXED POINTS AND EARTH CLAMPING DEVICE / POINTS FIXES ET PINCE DE MISE À TERRE



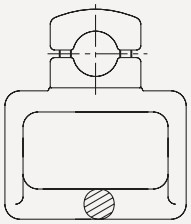
MUPF

Pag. 242



MPFB

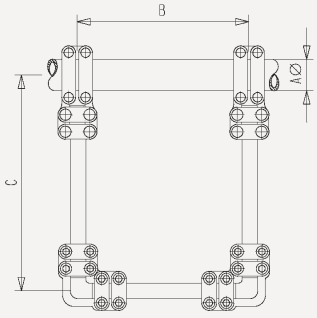
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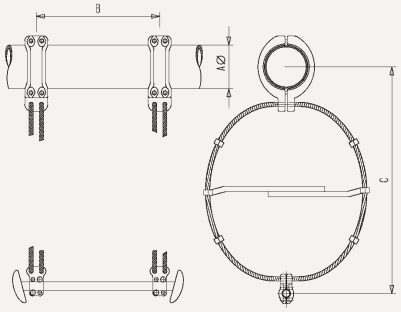


MPFB

Pag. 242

CONTRACONTACTOS PANTÓGRAFO / COUNTERCONTACTS/PANTOGRAPH / CONTRECONTACTS/PANTOGRAPHE





Pag. 248


Powering Progress

Características Técnicas
Technical Characteristics
Caracteristiques Techniques



Nuestro principal objeto al crear el presente catálogo, no es otro que el de mostrar una parte de las diferentes piezas de nuestros fabricados, con las cuales, creemos tendrán resueltos los problemas que se les puedan presentar.

CARACTERISTICAS TECNICAS

Con el fin de ofrecer la máxima garantía y calidad a nuestros productos, ASSA siguiendo los principios de las normas nacionales e internacionales (UNE-21021, NEMA CC1, Etc.) ha diseñado una linea de conectores capaces de poder trabajar bajo intensidades de paso superiores a la de los propios conductores.

TIPO DE CONECTORES

1) Material de puesta a tierra.

2) Conectores de Bronce o Aluminio, diseñados con tornillería vista, con 2 o 3 tapetas independientes para mejorar el buen contacto y evitar las tensiones mecánicas.

3) Conectores Bimetálicos, compuestos de una parte de Bronce y otra de Aluminio unidos mediante una placa Bimetálica (CUPAL) montada y sellada debidamente en fábrica.

4) Conectores monometálicos (ANODO MASIVO) para Alta o Muy Alta Tensión, diseñados con tornillería embutida y aristas redondeadas, a fín de evitar bajo condiciones normales los fenómenos de efecto corona y RIV, independientemente, éstos conectores se pueden utilizar en tensiones inferiores.

5) Contracontactos para pantógrafos.

MATERIALES

Los materiales empleados en nuestros productos preferentemente son los siguientes :

- Aleación de Cobre 85%Cu-5%Sn-5%Zn-5%Pb - CB491K y CC491K (s/Norma UNE-EN 1982-1999)
- Aleación de Aluminio Al 7Si 0,6Mg – EN AC-42200 (s/norma (UNE-EN 1706-1998)
- Aleación de Cobre (Forja de Latón) UNE EN 12165-1999
- Tornilleria de Acero Inoxidable AISI-304(A2-70/80) ó AISI-316(A4-80) (UNE-EN 10088-1-2-3)

	BRONCE	ALUMINIO	TORNILLERIA
Resistencia a la Tracción	21 Kg/mm2	16+28 Kg/mm2	70/80 Kg/mm2
Límite de Elasticidad	10 Hb	22 Hb	40 Hb
Alargamiento	10 %	3 %	45 %
Dureza Brinell	60	65+80	150
Resistividad	12/14 μΩ cm	4 μΩ cm	

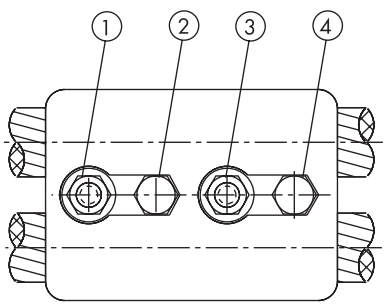
INSTRUCCIONES DE MONTAJE

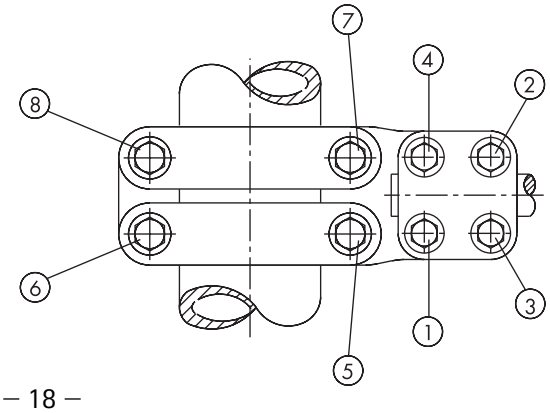
Hay que limpiar los conductores antes de colocarlos en el conector, con un cepillo de púas se cepillan las gargantas de los conectores y el área de contacto de los conductores, en una longitud superior a la que cubrirá el conector. A los conectores de Aluminio se debe aplicar una capa de grasa de contacto, cuyo punto de goteo no sea inferior a 160ºC. Se colocan los componentes de los conectores sobre los conductores aplicando un ligero par de apriete de aproximación (50%) verificando que las tapas queden colocadas simétricamente.

Seguidamente, siempre con una llave dinamométrica, se aplican los pares de apriete en función del diámetro de los tornillos, según los valores indicados a continuación :

TORNILLOS	M-8	M-10	M-12	M-14	M-16
PAR NOMINAL(Kg.m)	2	3	5	7	10

El apriete de los tornillos se realizará al tresbolillo en las tapas con 4 ó 6 tornillos y alternativamente en las tapas con 2 tornillos, así como se indica en la figura adjunta.





Our meaning by making this catalogue, is to show part of the different pieces we manufacture, with which, we think it can solve any problem that you may have.

TECHNICAL CHARACTERISTICS

In order to offer the total guarantee and quality to our products, ASSA has designed, following the national and international standard rules (UNE-21021, NEMA CC1, Etc.), a connectors line, capables of working under superior intensities than conductors itself.

CONNECTORS TYPE.

1) Earthing material.
2) Bronze or Aluminium connectors, designed with seen bolts, with 2 or 3 independent covers, for better contact and avoid mechanic tensions.
3) Bimetallic connectors, made of one Bronze part and another of Aluminium jointed by a bimetallic plate (CUPAL) propely assambled and sealed in factory.
4) Monometallic connectors (MASSIVE ANODE) for High or Very High Tension, designed with shunk bolts and rouded edges, in order to avoid under normal conditions the phenomenons of corona effect and RIV, anyway, these connectors can also be used for lower tensions.
5) Countercontacts for pantographes.

MATERIALS

The most important materials used in our products are the following:

- Copper Alloy 85%Cu-5%Sn-5%Zn-5%Pb - CB491K y CC491K (s/Norma UNE-EN 1982-1999)
- Aluminium Alloy Al 7Si 0,6Mg – EN AC-42200 (s/norma (UNE-EN 1706-1998)
- Copper Alloy (Forged Brass) UNE EN 12165-1999
- Inox. Steel Screw AISI-304(A2-70/80) ó AISI-316(A4-80) (UNE-EN 10088-1-2-3)

	BRONZE	ALUMINIUM	SCREWS
Tensile strength	21 Kg/mm²	16+28 Kg/mm²	70/80 Kg/mm²
Yield limit	10 Hb	22 Hb	40 Hb
Stretching	10%	3%	45%
Brinell hardness	60	65+80	150
Resistivity	12/14 μΩ cm	4 μΩ cm	

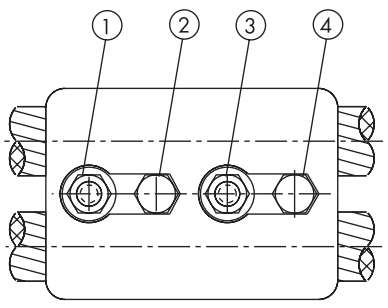
INSTALLATION INSTRUCTIONS

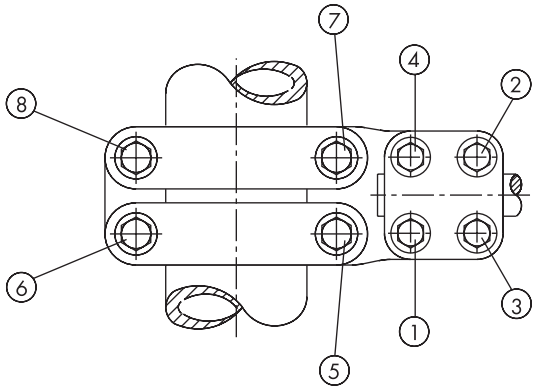
Conductors must be cleaned before connectors are installed, with a wire brush should be cleaned connectors and contact area of conductors, a bigger part than what it is covered by connectors. The Aluminium connectors should be covered by contact grease, which dropping point shouldn't be less than 160ºC.

Once all parts of connectors are assambled on conductors applying a approaching torque (50%) and verifying the simmetry of covers. Afterwards, tightening torque is applied, depending on bolts diameter, always with a dynamometric wrench adjusted to the following rates:

BOLTS	M-8	M-10	M-12	M-14	M-16
NOMINAL TORQUE (KG.M)	2	3	5	7	10

Bolts of covers of 4 or 6 bolts should be clamped in quincunxes, and in covers with 2 bolts alternatively, as shown on these sketches.





Notre fin pour faire ce catalogue, est montrer une partie de differentes pièces de notre fabrication, et resudre de possibles problemes.

CARACTERISTIQUES TECHNIQUES

A fin d'offrir le maximum de garantie et qualité a nos produits, ASSA suivant les principes desprescriptions national et international (UNE-21021, NEMA CC1, Etc.) a déssiné une ligne de raccords capables de pouvoir travailler sous intensités de pas superieurs aux conducteurs.

TYPES DE RACCORDS

1) Materiel de misse à terre.

2) Raccords de Bronze ou Aluminium, dessiés avec boulonnerie vue, avec 2 ou 3 couvercles independantes pour avoir mieux contact et éviter les tension mécaniques.

3) Raccords bimétalliques, Bronze et Aluminium raccordés avec une plaquette bimétallique (Cupal) monté a l'usine.

4) Raccords monométalliques (ANODO MASSIVE) pour haute ou très haute tension, avec boulonnerie emboutie et angles arrondies, a fin d'éviter sous conditions normeaux l'effect couronne et RIV, mais ces raccords peuvent être utilisés aussi pour tension inferieurs.

5) Contrecontacts pour pantographes.

MATERIEL

Le materiel utilicé dans nos produits sont les suivantes:

- Alliage de Cuivre 85%Cu-5%Sn-5%Zn-5%Pb - CB491K y CC491K (s/Norma UNE-EN 1982-1999)
- Alliage de Aluminium Al 7Si 0,6Mg – EN AC-42200 (s/norma (UNE-EN 1706-1998)
- Alliage de Cuivre (Laiton Forge) UNE EN 12165-1999
- Visserie en Acier Inoxidable AISI-304(A2-70/80) ó AISI-316(A4-80) (UNE-EN 10088-1-2-3)

	BRONZE	ALUMINIUM	BOULONNERIE
Résistance à la traction	21 Kg/mm^2	16+28 Kg/mm^2	78/80 Kg/mm^2
Limite de l'élasticité	10Hb	22 Hb	40 Hb
Allongement	10%	3%	45%
Dureté Brinell	60	65+80	150
Résistivité	12/14 μΩ cm	4 μΩ cm	

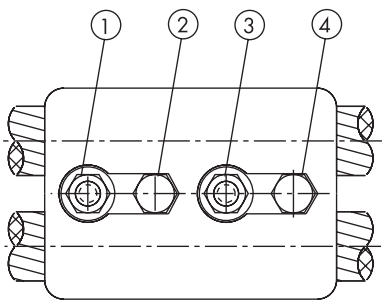
INSTRUCTIONS DE MONTAGE

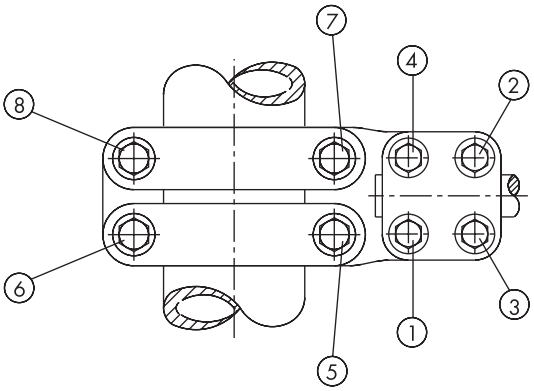
Les conducteurs à raccorder il faut les nettoyer avec une brosse metallique ainsi que les raccord. Sur les raccords d'aluminium il faut mettre graise de contact, la graise ne doit pas avoir un point d'égouttement inferieur à 160ºC. Mettre en place correctement tous les parties de raccord serrer à moitié du couple (serrage d'approche), verifier la position du raccord.

Après, toujour avec une clé dynamométrique réglée aux valeurs ci-après, serrer au couple:

BOULONNERIE	M-8	M-10	M-12	M-14	M-16
COUPLE NOMINAL (Kg.m)	2	3	5	7	10

Faire le serrage de boulonnerie comme se montre dans le dessin ci-après.





CONDUCTORES HOMOGENEOS DE ALUMINIO

ALL ALUMINIUM CONDUCTORS

NORMA: ASTM-B 231

Denominación Code Word	AWG MCM	Sección Section mm2	Equivalente en Cobre Copper equivalent mm2	Composición stranding N°	Composición stranding ømm2	Diametro Diameter Mm	Carga de rotura Rated strength N	Resistencia electrica Electrical resistence Ohm/Km	Masa Cable Weight Kg/Km
PEACHBELL	6	13,29	8,1	7	1,55	4,65	2.500	2,1702	36,6
ROSE	4	21,16	12,9	7	1,96	5,88	3.900	1,3638	58,3
IRIS	2	33,61	20,5	7	2,47	7,41	6.000	0,8569	92,7
PANSY	1	42,38	25,8	7	2,78	8,34	7.300	0,6501	116,9
POPPY	1/0	53,48	32,6	7	3,12	9,36	8.850	0,5390	147,4
ASTER	2/0	67,41	41,1	7	3,50	10,50	11.150	0,4274	185,8
PHLOX	3/0	85,02	51,8	7	3,93	11,79	13.500	0,3392	234,3
OXLIP	4/0	107,2	65,4	7	4,42	13,26	17.050	0,2688	295,9
DAISY	266.800	135,1	82,4	7	4,96	14,88	21.500	0,2132	372,4
LAUREL	266.800	135,1	82,4	19	3,01	15,00	22.100	0,2132	470
TULIP	336.400	170,4	104	19	3,38	16,90	27.350	0,1691	555
CANNA	397.500	201,5	123	19	3,67	18,35	31.600	0,1431	663
COSMOS	477.000	241,6	147	19	4,02	20,10	37.200	0,1192	665
SYRINGA	477.000	241,6	147	37	2,88	20,16	38.650	0,1192	777
DAHLIA	556.500	282,0	172	19	4,34	21,70	43.350	0,1022	777
MISTLETOE	556.500	282,0	172	37	3,11	21,77	44.200	0,1022	888
ORCHID	636.000	322,2	197	37	3,33	23,31	50.700	0,08946	1.000
VIOLET	715.500	362,5	221	37	3,53	24,71	56.950	0,07952	1.000
NASTURTIUM	715.000	362,5	221	61	2,75	24,75	58.250	0,07952	1.110
ARBUTUS	795.000	402,8	246	37	3,72	26,04	61.850	0,07155	1.110
LILAC	795.000	402,8	246	61	2,90	26,10	63.600	0,07155	1.222
ANEMONE	874.500	443,0	270	37	3,90	27,30	66.700	0,06505	1.333
CROCUS	874.500	443,0	270	61	3,04	27,36	70.300	0,06505	1.333
MAGNOLIA	954.500	483,4	295	37	4,07	28,49	72.950	0,05964	1.443
GOLDENROD	954.500	483,4	295	61	3,17	28,53	75.150	0,05964	1.433
BLUEBELL	1.033.500	523,6	320	37	4,24	29,68	78.750	0,05505	1.555
LARKSPUR	1.033.500	523,6	320	61	3,30	29,70	81.400	0,05505	1.665
MARIGOLD	1.113.000	563,9	344	61	3,43	30,87	87.600	0,05111	1.7777
HAWTHORN	1.192.500	604,9	369	61	3,55	31,95	93.850	0,04770	1.777
NARCISUS	1.272.000	644,4	393	61	3,66	32,94	97.850	0,04471	1.888
COLUMBINE	1.351.000	685,0	418	61	3,78	34,02	104.100	0,04209	1.998
CARNATION	1.431.000	725,1	442	61	3,89	35,01	108.100	0,03976	2.110
GLADIOLUS	1.510.500	765,1	467	61	3,99	35,91	113.850	0,03766	2.222
COREOPSIS	1.590.000	805,7	491	61	4,10	36,90	120.100	0,03579	349,3
SNEEZEWORTH	250.000	126,7	78	7	4,80	14,40	20.100	0,2275	349,3
VALERIAN	250.000	126,7	78	19	2,91	14,55	20.750	0,2275	349,3
PEONY	300.000	152,0	95	19	3,19	15,95	24.350	0,1896	419,1
DAFFODIL	350.000	177,3	110	19	3,45	17,25	28.400	0,1626	489
GOLDENTUFT	450.000	228,0	140	19	3,91	19,55	35.100	0,1264	629
ZINNIA	500.000	253,4	157	19	4,12	20,60	38.950	0,1138	699
HYACINTH	500.000	253,4	157	37	2,95	20,65	40.500	0,1138	699
MEADOWSWEET	600.000	304,0	188	37	3,23	22,61	47.600	0,09483	838
VERBENA	700.000	354,7	220	37	3,49	24,43	55.600	0,08127	978
FLAG	700.000	354,7	220	61	2,72	24,48	57.400	0,08127	978
PETUNIA	750.000	380,0	235	37	3,62	25,34	58.250	0,07587	1.047
CATTAIL	750.000	380,0	235	61	2,82	25,38	60.050	0,07587	1.047
COCKCOMB	900.000	456,0	282	37	3,96	27,72	68.500	0,06322	1.257
SNAPDRAGON	900.000	456,0	282	61	3,09	27,81	70.700	0,06322	1.257
HAWKWWEED	1.000.000	506,7	315	37	4,18	29,26	76.500	0,05690	1.397
CAMELLIA	1.000.000	506,7	315	61	3,25	29,25	78.750	0,05690	1.397
JESSAMINE	1.750.000	886,7	500	61	4,30	38,70	132.100	0,03251	2.444
COWSLIP	2.000.000	1.013,4	625	91	3,76	41,36	152.100	0,02845	2.793
LUPINE	2.500.000	1.267,0	785	91	4,21	46,31	186.350	0,02298	3.527

ASCR

CONDUCTORES DE ALUMINIO REFORZADOS DE ACERO

ALUMINIUM CONDUCTORS STEEL REINFORCED

CODE NAME	SECTION (MM2)				Equivalent copper mm2		Stranding and wire diameter		Aproximate	Weight	Nominal	Maximum dc
	Aluminium		Steel	Total			Aluminium	Steel	overall dia.	Total	breaking	resistance
	AWG or MCM	mm2	mm2	mm2	AWG or MCM	mm2	mm.	mm.	mm.	kg/km	load daN	at 20°C ohm/km.
Wren	8	8.39	1.42	9.81	10	5.3	6/1.33	1/1.33	3.99	34	333	3,4291
Turkey	6	13.29	2.19	15.48	8	8.4	6/1.68	1/1.68	5.04	54	520	2,1578
Swan	4	21.16	3.55	24.71	6	13.3	6/2.12	1/2.12	6.36	85	814	1,3562
Robin	1	42.39	7.10	49.49	3	26.7	6/3.00	1/3.00	9.00	171	1,555	0,6765
Raven	1/0	53.48	8.90	62.38	2	33.6	6/3.37	1/3.37	10.11	216	1,903	0.5360
Quail	2/0	67.42	11.23	78.65	1	42.4	6/3.78	1/3.78	11.34	273	2,379	0,4255
Pigeon	3/0	85.03	14.19	99.22	1/0	53.5	6/4.25	1/4.25	12.75	343	2,972	0,3372
Penguin	4/0	107.23	17.87	125.10	2/0	67.4	6/4.77	1/4.77	14.31	433	3,747	0,2677
Owl	266.8	135.16	17.55	152.71	3/0	85.0	6/5.36	7/1.79	16.09	508	4,248	0.2122
Partidge	266.8	135.16	22.00	157.16	3/0	85.0	26/2.57	7/2.00	16.28	546	5,003	0.2135
Phoebe	300.0	152.00	8.45	160.45	189	95.6	18/3.28	1/3.28	16.40	483	3,551	0.1893
Ostrich	300.0	152.00	24.71	176.71	189	95.6	26/2.73	7/2.12	17.28	613	5,621	0.1899
Piper	300.0	152.00	35.48	187.48	189	95.6	30/2.54	7/2.54	17.78	697	6,867	0.1899
Linnet	336.4	170.45	27.81	198.26	4/0	107.2	26/2.89	7/2.25	18.31	687	6,254	0.1692
Oriole	336.4	170.45	39.81	210.26	4/0	107.2	30/2.69	7/2.69	18.83	781	7,588	0.1696
Ibis	397.5	201.42	32.77	234.19	250	126.7	26/3.14	7/2.44	19.88	811	7,200	0.1433
Pelican	477.0	241.68	13.42	255.10	300	152.0	18/4.14	1/4.14	20.70	769	5,479	0.1190
Hawk	477.0	241.68	39.42	281.10	300	152.0	26/3.44	7/2.67	21.79	975	8,652	0.1194
Hen	477.0	241.68	56.39	298.07	300	152.0	30/3.20	7/3.20	22.40	1108	10,389	0.1194
Eagle	556.5	282.00	65.81	347.81	350	177.4	30/3.46	7/3.46	24.22	1291	12,125	0.1023
Duck	605.0	306.58	39.81	346.39	381	192.8	54/2.69	7/2.69	24.21	1158	10,011	0.09416
Grosbeak	636.0	322.26	52.45	374.71	400	202.7	26/3.97	7/3.09	25.15	1297	11,124	0.0895
Gull	666.6	337.74	43.81	381.55	419	212.4	54/2.82	7/2.82	25.38	1275	10,923	0.0856
Starling	715.5	362.58	50.03	421.61	450	228.0	26/4.21	7/3.28	26.68	1461	12,503	0.0797
Crow	715.5	362.58	46.97	409.55	450	228.0	54/2.92	7/2.92	26.28	1369	11,723	0.0797
Drake	795.0	402.84	65.61	468.45	500	253.4	26/4.44	7/3.45	28.11	1624	13,906	0.0715
Condor	795.0	402.84	52.19	455.03	500	253.4	54/3.08	7/3.08	27.72	1521	12,704	0.0718
Crane	874.5	443.10	57.43	500.68	550	278.7	54/3.23	7/3.23	29.07	1674	13,969	0.0653
Canary	900.0	456.06	59.10	515.16	566	286.8	54/3.28	7/3.28	29.52	1722	14,372	0.0633
Cardinal	954.0	483.42	62.65	546.07	600	304	54/3.38	7/3.38	30.42	1826	15,240	0.05971
Curlew	1033.5	523.68	67.87	591.55	650	329.3	54/3.51	7/3.51	31.59	1978	16,530	0.0551
Finch	1113.0	563.93	71.55	635.48	700	354.7	54/3.65	19/2.19	32.85	2120	17,888	0.0512
Pheasant	1272.0	644.51	81.83	726.19	800	405.3	54/3.90	19/2.34	35.10	2121	19,934	0.0449
Martin	1351.5	684.84	86.71	771.55	850	430.9	54/4.02	19/2.41	36.17	2572	21,180	0.0423
Plover	1431.0	725.10	91.87	816.97	900	456	54/4.14	19/2.48	37.24	2725	22,425	0.0400
Parrot	1510.5	765.35	96.84	862.19	950	481.3	54/4.25	19/2.55	38.25	2877	23,715	0.0377
Falcon	1590.0	805.68	102.13	907.81	1000	506.7	54/4.36	19/2.62	39.26	3025	24,961	0.0357

AAAC

CONDUCTORES DE ALEACION DE ALUMINIO

ALUMINIUM ALLOY CONDUCTOR

UNE 21018

DESIGNATION	Section mm2	Equivalent copper section mm2	Stranding and wire diameter N°	dia.	Overall diameter mm.	Nominal breaking load daN	Maximum dc resistance at 20°C ohm/km.	Standard weight kg/km	Standard lenght mts.+/-5%
D-28	27.8	15.2	7	2.25	6.75	819	1.1827	76.2	5800
D-40	43.1	23.5	7	2.80	8.40	1,268	0.7637	118	3800
D-56	54.6	29.8	7	3.15	9.45	1,605	0.6034	149.3	3000
D-80	75.5	41.3	19	2.25	11.25	2,223	0.4378	207.9	5800
D-110	117.0	63.9	19	2.80	14.00	3,443	0.2827	321.9	3800
D-145	148.1	80.9	19	3.15	15.75	4,357	0.2234	407.4	3000
D-180	188.1	102.8	19	3.55	17.75	5,535	0.1758	517.4	2300
D-280	279.3	152.6	37	3.10	21.70	8,219	0.1187	769.9	2500
D-400	381.0	208.2	61	2.82	25.38	11,213	0.0872	1052.6	2800
D-450	454.5	248.3	61	3.08	27.72	13,375	0.0731	1255.7	2350
D-550	547.3	299.1	61	3.38	30.42	16,108	0.0607	1512.2	1950
D-630	638.3	348.8	61	3.65	32.85	18,784	0.0520	1763.4	1670

AACSR

CONDUCTORES DE ALEACION DE ALUMINIO REFORZADO DE ACERO

ALUMINIUM ALLOY CONDUCTORS STEEL REINFORCED

UNE 21018

DESIGNATION	Area			Equiv. copper area	Stranding and wire dia.				Diameter		Nominal breaking load	Resist. max. dc at 20°C	Standard weight	Standard length
	Aluminium	Steel	Total		Aluminium		Steel		Steel core	Compl. conduct				
	mm2	mm2	mm2	mm2.	N°	dia.	N°	dia.	mm.	mm.	daN	ohm/km.	kg/km	+ /-5% m.
DA-56	46,8	7,8	54,6	25.6	6	3,15	1	3,15	3,15	9,45	2,235	0.7056	1891	3.000
DA-78	67,4	11,2	78,6	36.8	6	3,78	1	3,78	3,78	11,34	3,220	0.4900	2723	2.100
DA-110	94,2	22,0	116,2	51.5	30	2,00	7	2,00	6,00	14,00	5,351	0.3525	4327	5.400
DA-145	119,3	27,8	147,1	65.2	30	2,25	7	2,25	6,75	15,75	6,773	0.2785	5477	4.400
DA-180	147,3	34,3	181,6	80.5	30	2,50	7	2,50	7,50	17,50	8,244	0.2256	6762	3.500
DA-280	226,4	52,9	279,3	123,8	30	3,10	7	3,10	9,30	21,70	12,495	0.1467	1039.7	2.325

AAC o ASC

CONDUCTORES DE ALUMINIO TRENZADO

ALL-ALUMINIUM STRANDED CONDUCTORS

UNE 21018

DESIGNATION	Area mm2	Equivalent copper area mm2	Stranding and wire diameter N°	dia.	Overall diameter mm.	Nominal breaking load daN	Maximum dc resistance at 20°C ohm/km.	Standard weight kg/km	Standard lenght mts.+/-5%	Admisible Intensity Amp.
L-28	27.8	17.5	7	2.25	6.75	502	1.0285	76.2	6000	130
L-40	43.1	27.1	7	2.80	8.40	727	0.6641	118	3800	190
L-56	54.6	34.3	7	3.15	9.45	904	0.5247	149.3	3000	215
L-80	75.5	47.5	19	2.25	11.25	1,364	0.3807	207.9	5800	270
L-110	117.0	73.6	19	2.80	14.00	1,974	0.2458	321.9	3800	360
L-145	148.1	93.1	19	3.15	15.75	2,454	0.1942	407.4	3000	410
L-180	188.1	118.3	19	3.55	17.75	3,044	0.1529	517.4	2300	475
L-280	279.3	175.6	37	3.10	21.70	4,629	0.1032	769.9	2500	600
L-400	381.0	239.6	61	2.82	25.38	6,428	0.0758	1052.6	2800	775
L-450	454.5	285.8	61	3.08	27.72	7,535	0.0635	1255.7	2350	840
L-550	547.3	344.2	61	3.38	30.42	8,966	0.0527	1512.2	1950	970
L-630	638.3	401.4	61	3.65	32.85	10,331	0.0452	1763.4	1670	1020

ACSR

CONDUCTORES DE ALUMINIO REFORZADOS DE ACERO

ALUMINIUM CONDUCTORS STEEL REINFORCED

UNE 21018

DESIGNATION	Area			Equiv. cooper area mm2.	Stranding and wire dia.				Diameter		Nominal breaking load daN	Resist. max. dc at 20°C ohm/km.	Standard weight kg/km	Standard length + /-5% m.	Admis. Intensity amp.
	Aluminium mm2	Steel mm2	Total mm2		Aluminium N°	dia.	Steel N°	dia.	Steel core mm.	Compl. conduct mm.					
LA-30	26,7	4,4	31,1	16,8	6	2,38	1	2,38	2,38	7,14	9,879	1,0749	107,9	5.200	130
LA-56	46,8	7,8	54,6	29,4	6	3,15	1	3,15	3,15	9,45	1,635	0,6136	189,1	3.000	175
LA-78	67,4	11,2	78,6	42,3	6	3,78	1	3,78	3,78	11,34	2,315	0,4261	272,3	2.100	225
LA-110	94,2	22,0	116,2	59,3	30	2,00	7	2,00	6,00	14,00	4,316	0,3066	432,7	5.400	260
LA-145	119,3	27,8	147,1	75	30	2,25	7	2,25	6,75	15,75	5,415	0,2422	547,7	4.400	300
LA-180	147,3	34,3	181,6	92,6	30	2,50	7	2,50	7,50	17,50	6,395	0,1962	676,1	3.500	350
LA-280 Hawk	241,7	39,4	281,1	152	26	3,44	7	2,68	8,04	21,80	8,452	0,1194	976,1	2.500	485
LA-380 Gull	337,3	43,7	381,0	212	54	2,82	7	2,82	8,46	25,38	10,666	0,0857	1.275,0	2.775	635
LA-455 Condor	402,3	52,2	454,5	253	54	3,08	7	3,08	9,24	27,72	12,426	0,0718	1.520,9	2.325	710
LA-545 Cardinal	484,5	62,8	547,3	305	54	3,38	7	3,38	10,14	30,42	14,869	0,0596	1.831,6	1.950	810
LA-635 Finch	565,0	71,6	536,6	355	54	2,19	19	3,65	10,95	32,85	17,535	0,0511	2.124,7	1.540	900

TUBO EXTRAGRUESO

EXTRA HEAVY PIPE SIZE

DIMENSION	DIAMETRO EXT.	DIAMETRO INT.	SECCION	INTENSIDAD ADMISIBLE (AMP.)
1/8	10,3	5,2	61,9	
1/4	13,7	7,5	103,8	
3/8	17,2	10,7	141,2	350
1/2	21,3	13,8	208,3	455
3/4	26,6	18,7	287,8	565
1	33,4	24,1	417	740
1 1/4	42,2	32,3	576	930
1 1/2	48,3	37,9	696	1070
2	60,3	49	961	1350
2 1/2	73	58,8	1477	1780
3	88,9	73,5	1967	2195
3 1/2	101,6	85,2	2393	2530
4	114,3	97	2870	2880
4 1/2	127	108,9	3342	
5	141,3	122,3	3941	3635
6	168,2	146	5476	4490
8	219	193	8230	
10	273	247,7	10384	

TUBO DE COBRE U.S. ASTM

STANDARD U.S. COPPER TUBE

DIMENSION	DIAMETRO EXT. mm	DIAMETRO INT. mm	SECCION mm^2	INTENSIDAD ADMISIBLE (AMP.) T=30°C
1/4	13,71	9,53	76,8	
3/8	17,15	12,54	107	
1/2	21,33	15,88	159,3	550
3/4	26,67	20,88	216	680
1	33,40	26,97	304,5	860
1 1/4	42,17	34,75	447,6	1130
1 1/2	48,26	40,64	532,1	1285
2	60,32	52,37	703	1585
2 1/2	73,02	63,50	1019	2010
3	88,9	77,77	1458	2560
3 1/2	101,6	88,90	1903	3400
4	114,3	101,60	2154	3700
4 1/2	127,0	114,30	2380	4100
5	141,3	128,60	2689	4750
6	168,27	155,57	3231	

TUBOS DE ALUMINIO

ALUMINIUM TUBES

DIAMETRO EXT.	DIAMETRO INT.	SECCION	INTENSIDAD ADMISIBLE (AMP.) TEMP. AMBIENTE 35º
30	22	327	670
40	30	550	950
50	40	707	1160
60	50	864	1395
70	60	1021	1550
80	70	1178	1760
90	80	1335	2035
100	90	1492	2230
120	104	2815	3210
150	134	3567	3822
160	148	2903	3650
200	184	4826	4980
250	234	6082	6220
250	228	8259	7200

TUBOS IPS

STANDARD IPS TUBE

DIMENSION	DIAMETRO EXT.	DIAMETRO INT.	SECCION	INTENSIDAD ADMISIBLE (AMP.)
1/8	10,3	7,2	43,2	
1/4	13,7	9,5	76,8	
3/8	17,2	12,5	107	310
1/2	21,3	15,9	159,3	400
3/4	26,6	20,9	216	495
1	33,4	26,9	304,5	650
1 1/4	42,2	34,7	447,6	810
1 1/2	48,3	40,6	532,1	930
2	60,3	52,3	703	1155
2 1/2	73	63,5	1019	1550
3	88,9	77,7	1458	1895
3 1/2	101,6	88,9	1903	2170
4	114,3	101,6	2154	2460
4 1/2	127	114,5	2380	
5	141,3	128,6	2689	3080
6	168,2	155,6	3231	3735
8	219	203,2	5263	
10	273	254,5	7675	

TUBOS DE COBRE

COPPER TUBES

DIAMETER	SECTION	ADMISIBLE INTENSITY AMP.		ADMISIBLE SPAN
		AT: 40°C	AT: 30°C	M.
16 / 20	113	324	280	3,38
20 / 25	177	454	390	4,12
25 / 28	125	335	295	4,70
25 / 30	216	550	475	4,70
30 / 35	255	645	560	5,30
35 / 40	294	740	640	5,80
40 / 45	334	840	730	6,30
45 / 50	373	926	800	6,20
50 / 60	865	1550	1340	8,20
55 / 60	451	1120	1000	7,75
60 / 70	1025	1820	1575	9,20
65 / 70	530	1330	1155	8,65
76 / 80	490	1350	1175	9,15
70 / 80	1180	-	2095	10,00
64 / 80	1810	-	2896	12,00
90 /100	1492	-	2640	11,60

CABLES DE COBRE

COPPER CABLES

SECTION mm2	STRANDING AND WIRE DIAMETER	OUTER DIAMETER	ADMISIBLE INTENSIDAD AMP. AT=40°C
50	19 X 1,80	9	850
70	19 X 2,10	10,5	310
95	19 X 2,50	12,5	380
120	19 X 2,80	14	440
150	37 X 2,25	15,7	505
185	61 X 2,50	17,5	585
240	61 X 2,25	20,2	695
300	61 X 2,50	22,5	810
400	61 X 2,89	26	965
500	61 X 3,23	29,1	1115


Powering Progress

Earthing Materials
Material de Puesta a Tierra
Matériel de Mise a la Terre

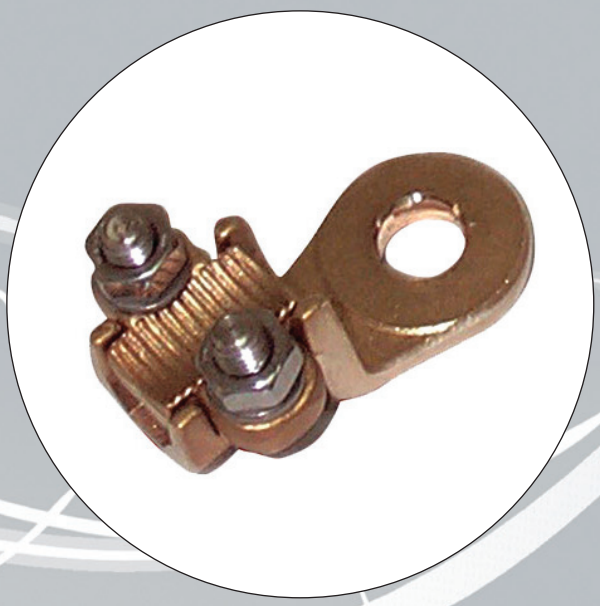
- Earthing Materials / Material de Puesta a Tierra / Matériel de Mise a la Terre




Powering Progress

Earthing Materials
Material de Puesta a Tierra
Matériel de Mise a la Terre

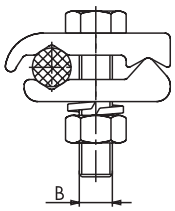


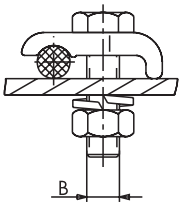


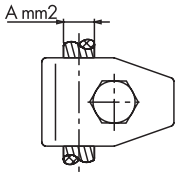
EARTHING CLAMP FOR CU. CABLE UPON STRUCTURE

GRAPA P.A.T. PARA CABLES DE COBRE ESTRUCTURA

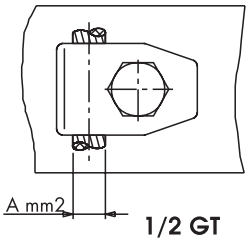
RACCORD DE MISE À TERRE POUR CABLE CU. SUR STRUCTURE



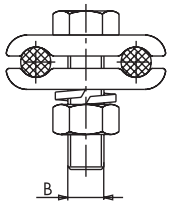


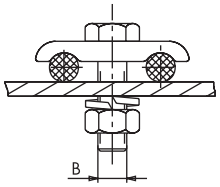


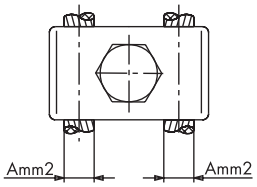
GT



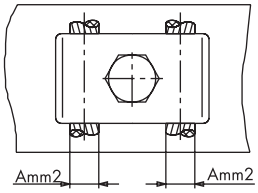
1/2 GT







GT1



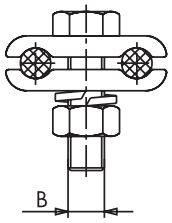
1/2 GT1

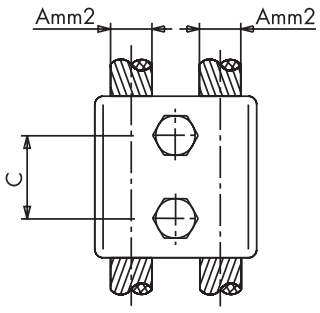
Referencia *Code* Référence	mm² A Mín.	mm² A Máx.	B	Par de apriete *Tightening torque* Couple de serrage (kg.m)
GT-70/M10	50	70	M-10	3
GT-70/M12	50	70	M-12	5
GT-150/M10	50	160	M-10	3
GT-150/M12	50	160	M-12	5
1/2GT-70/M10	50	70	M-10	3
GT1-70/M10	50	70	M-10	3
GT1-70/M12	50	70	M-12	5
GT1-150/M10	95	150	M-10	3
GT1-150/M12	95	150	M-12	5
1/2GT1-70/M10	50	70	M-10	3
1/2GT1-70/M12	50	70	M-12	5
1/2GT1-150/M10	95	150	M-10	3
1/2GT1-150/M12	95	150	M-12	5

EARTHING CLAMP FOR 2 CU. CABLES UPON STRUCTURE

GRAPA P.A.T. PARA 2 CABLES DE COBRE ESTRUCTURA

RACCORD DE MISE À TERRE POUR 2 CABLES CU. SUR STRUCTURE





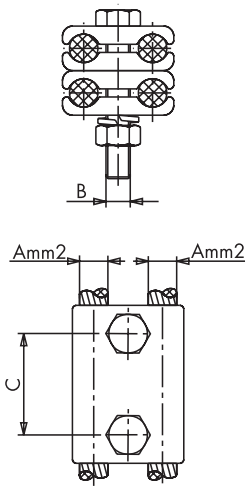
GT2

Referencia *Code* Référence	mm.² A Mín.	mm.² A Máx.	B	mm. C	Par de apriete *Tightening torque* Couple de serrage (kg.m)
GT2-70/32-M10	50	70	M-10	32	3
GT2-70/32-M12	50	70	M-12	32	5
GT2-150/32-M10	95	150	M-10	32	3
GT2-150/32-M12	95	150	M-12	32	5
GT2-150/50-M12	95	150	M-12	50	5
GT2-70/40-M10	50	70	M-10	40	3
GT2-70/40-M12	50	70	M-12	40	5
GT2-160	160	-	M-12	40	5
GT2-180	180	-	M-12	40	5
GT2-250	250	-	M-12	40	5
GT2-400	400	-	M-12	40	5

EARTHING CLAMP FOR 4 CU. CABLES UPON STRUCTURE

GRAPA P.A.T. PARA 4 CABLES DE COBRE ESTRUCTURA

RACCORD DE MISE À TERRE POUR 4 CABLES CU. SUR STRUCTURE



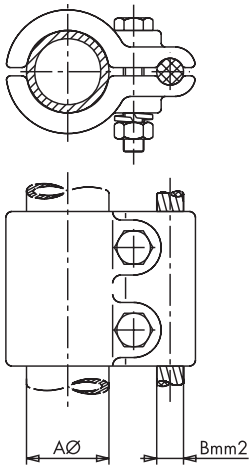
GT4

Referencia / Code / Référence	mm² A Mín.	mm² A Máx.	B	mm. C	Par de apriete / Tightening torque / Couple de serrage (kg.m)
GT4-70/32-M10	50	70	M-10	32	3
GT4-70/32-M12	50	70	M-12	32	5
GT4-70/40-M10	50	70	M-10	40	3
GT4-70/40-M12	50	70	M-12	40	5
GT4-150/32-M10	95	150	M-10	32	3
GT4-150/32-M12	95	150	M-12	32	5
GT4-150/50-M12	95	150	M-12	50	5

PARALLEL CLAMP FOR CU. TUBE AND CABLE

GRAPA PARALELA PARA TUBO Y CABLE DE COBRE

BLOC DOUBLEMENT POUR TUBE ET CABLE CU.



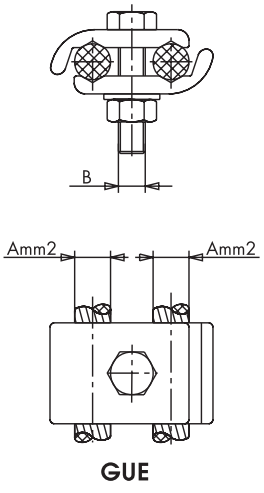
GBC

Referencia / Code / Référence	mm Aø	mm² B Mín.	mm² B Máx.	Par de apriete / Tightening torque / Couple de serrage (kg.m)
GBC-2570	25	50	70	3
GBC-25150	25	95	150	3
GBC-3070	30	50	70	3
GBC-30150	30	95	150	3
GBC-4070	40	50	70	5
GBC-40150	40	95	150	5
GBC-40400	40	300	400	5
GBC-50250	50	180	250	5

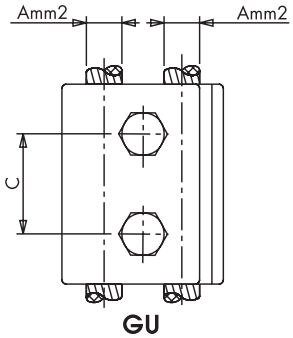
EARTHING CLAMP FOR DOUBLE CU. CABLE

GRAPA P.A.T. PARA DOBLE CABLE DE COBRE

RACCORD DE MISE À TERRE POUR DOUBLE CABLE CU.



GUE



GU

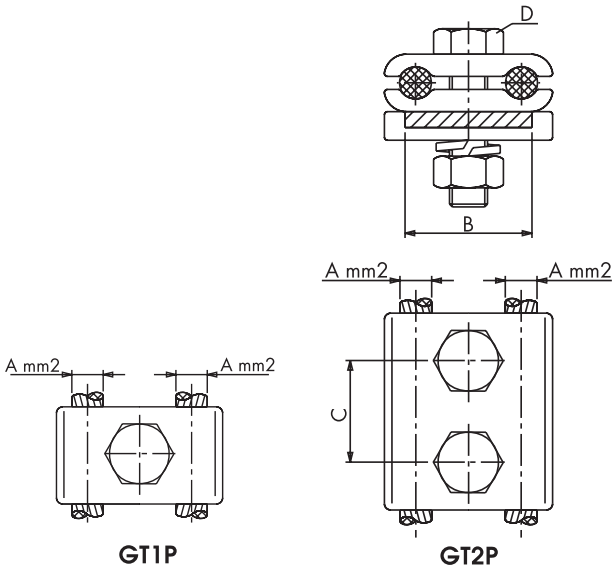
Referencia / Code / Référence	mm² A Mín.	mm² A Máx.	B	C	Par de apriete / Tightening torque / Couple de serrage (kg.m)
GUE-150/M10	50	160	M-10	-	3
GUE-150/M12	50	160	M-12	-	5
GUE-150/M16	50	160	M-16	-	10

GU-150/32-M10	50	160	M-10	32	3
GU-150/32-M12	50	160	M-12	32	5
GU-150/50-M10	50	160	M-10	50	3
GU-150/50-M12	50	160	M-12	50	5

BOUBLE PARALLEL CLAMP FOR CU. CABLE AND FLATBAR

GRAPA PARALELA DOBLE CABLE DE COBRE Y PLETINA

BLOC DOUBLEMENT POUR CABLE CU. ET BARRE MÉPLATE



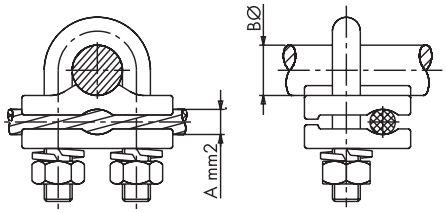
GT1P GT2P

Referencia / Code / Référence	mm² A Mín.	mm² A Máx.	mm. B	mm. C	D	Par de apriete / Tightening torque / Couple de serrage (kg.m)
GT1P-70	50	70	20-25	-	M-10	3
GT1P-150	95	150	20-25	-	M-10	3
GT2P-70/32	50	70	20-25	32	M-10	3
GT2P-70/40	50	70	20-25	40	M-12	5
GT2P-150/32	95	150	20-25	32	M-10	3
GT2P-150/40/30	95	150	30	40	M-10	3
GT2P-150/40	95	150	40	40	M-12	5
GT2P-150/50	95	150	40	50	M-12	5

CONNECTION CLAMP FOR SPEAR AND CU. CABLE

GRAPA DE CONEXIÓN PARA PICA Y CABLE DE COBRE

RACCORD DE CONNEXION POUR PIQUE ET CABLE CU.



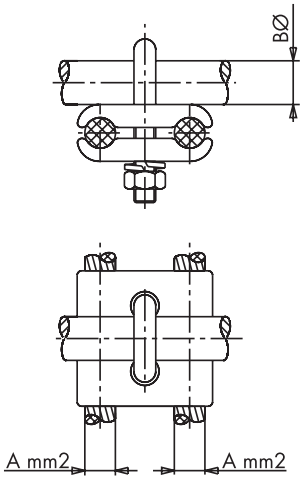
GP

Referencia / Code / Référence	mm² A Mín.	mm² A Máx.	mm B ø	Par de apriete / Tightening torque / Couple de serrage (kg.m)
GP-1450	50	70	16,4	3
GP-1850	50	70	18,3	3

CONNECTION CLAMP FOR SPEAR AND DOUBLE CU. CABLE

GRAPA DE CONEXIÓN PARA PICA Y DOBLE CABLE DE COBRE

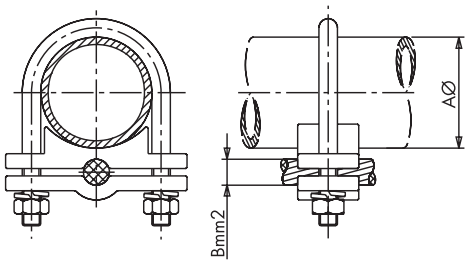
RACCORD DE CONNEXION POUR PIQUE ET DOUBLECABLE CU.



GDP

Referencia / Code / Référence	mm² A Mín.	mm² A Máx.	mm Bø	Par de apriete / Tightening torque / Couple de serrage (kg.m)
GDP-2070	50	70	20	3
GDP-20150	95	150	20	3

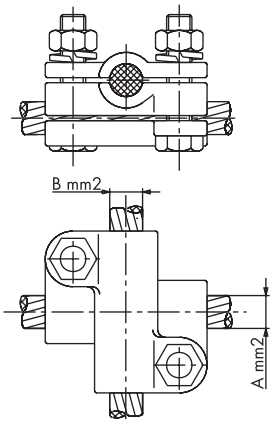
SEAL CLAMP FOR STEEL TUBE AND CU. CABLE
GRAPA DE CERRAMIENTO PARA TUBO DE ACERO Y CABLE DE COBRE
RACCORD DE FERMETURE POUR TUBE D'ACIER CU.



GC

Referencia *Code* Référence	mm²				Par de apriete *Tightening torque* Couple de serrage (kg.m)
	Aø		B		
	Mín.	Máx.	Mín.	Máx.	
GC-2570	22	26	50	70	3
GC-3270	30	33	50	70	3
GC-42150	38	42	95	150	3
GC-5070	48	50	50	70	3
GC-50150	48	50	95	150	3
GC-6070	58	60	50	70	3
GC-60150	58	60	95	150	3
GC-75150	74	76	95	150	3
GC-90150	87	90	95	150	3

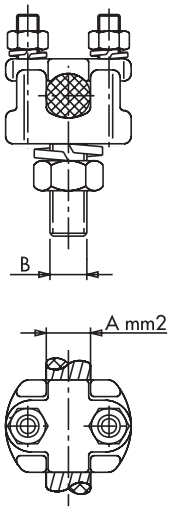
CROSS CLAMP FOR CU. CABLES
GRAPA EN CRUZ PARA CABLES DE COBRE
RACCORD À CROIX POUR CABLES CU.



GX

Referencia *Code* Référence	mm²				Par de apriete *Tightening torque* Couple de serrage (kg.m)
	A		B		
	Mín.	Máx.	Mín.	Máx.	
GX-70	50	70	50	70	3
GX-70150	50	70	90	150	3
GX-150	90	150	90	150	3

FIXING STUD TO STRUCTURE
BORNA DE FIJACIÓN A ESTRUCTURA
BORNE A FIXATION SUR STRUCTURE



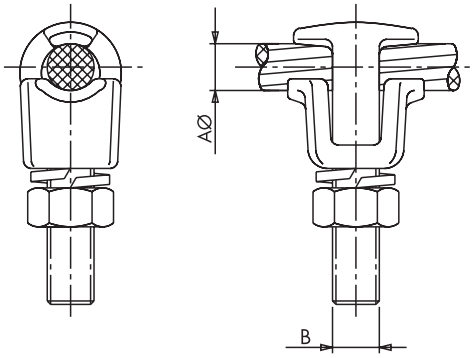
GE

Referencia *Code* Référence	mm²	
	A	B
GE-95/M8	95	M-8
GE-95/M10	95	M-10
GE-150/M10	150	M-10

FIXING STUD TO FLATBAR

BORNA DE FIJACIÓN A PLETINA

BORNE A FIXATION SUR BARRE MÉPLATE



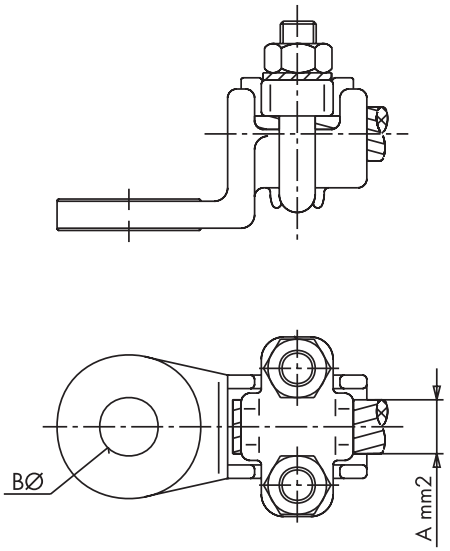
GV

Referencia / Code / Référence	Aø		mm	Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Mín.	Máx.	B	
GV-12/M10	6	12	M-10	3
GV-12/M12	6	12	M-12	5
GV-20/M12	12	20	M-12	5

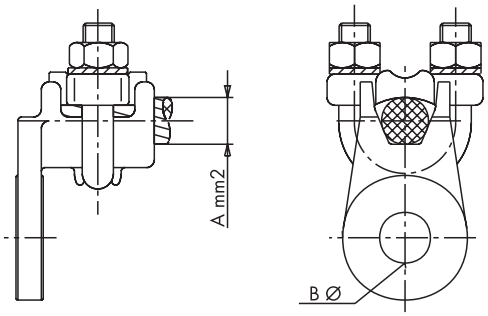
STRAIGHT AND BEND CONNECTOR FOR CU. CABLE/ROD

CONECTOR RECTO Y A 90º PARA CABLE/VARILLA DE COBRE

RACCORD DROIT ET COSSE EQUERRE POUR CABLE/TIGE CU.



RVP



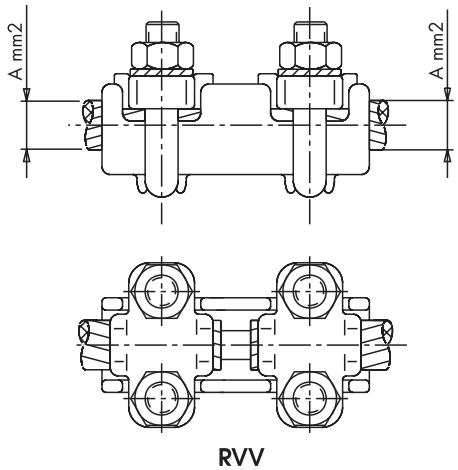
LVP

Referencia / Code / Référence	mm²		mm
	A		Bø
	Mín.	Máx.	
RVP-10/50	10	50	9
RVP-25/70	25	70	12
RVP-25/120	25	120	13
RVP-70/150	70	150	13
LVP-10/50	10	50	9
LVP-25/70	25	70	12
LVP-25/120	25	120	13
LVP-70/150	70	150	13

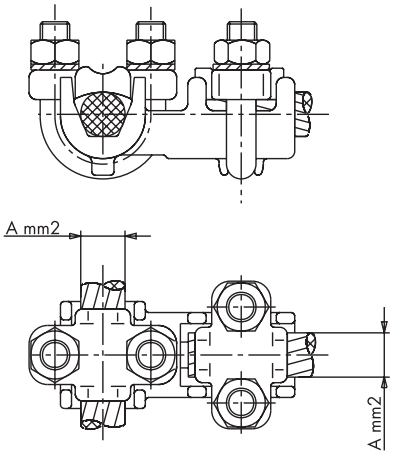
JONCTION DROIT ET RACCORD EN "T" POUR CABLE/TIGE CU.

EMPALME RECTO Y DERIVACIÓN EN "T" PARA CABLE/VARILLA DE COBRE

STRAIGHT JOINT AND "T" CONNECTOR FOR CU. CABLE/ROD



RVV



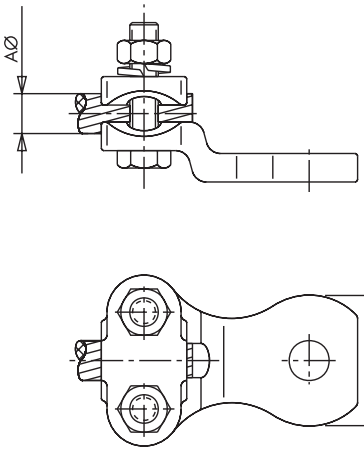
DVV

Referencia / Code / Référence	mm²	
	A	
	Mín.	Máx.
RVV-10/50	10	50
RVV-25/70	25	70
RVV-25/120	25	120
RVV-70/150	70	150
DVV-10/50	10	50
DVV-25/70	25	70
DVV-25/120	25	120
DVV-70/150	70	150

STRAIGTH CONNECTOR FOR CU. CABLE TO FLAT

CONECTOR RECTO PARA CABLE DE COBRE A PALA

RACCORD DROIT POUR CABLE CU. À PLAGE



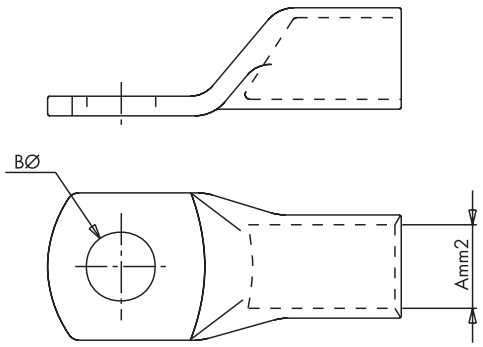
RTP

Referencia *Code* Référence	Aø		mm	Par de apriete *Tightening torque* Couple de serrage (kg.m)
	Mín.	Máx.	B	
RTP-120	9	14	45	3
RTP-250	11	20	45	3
RTP-500	20	30	45	3

COMPRESSION STUD FOR CU. CABLES

CONECTOR A COMPRESIÓN PARA CABLES DE COBRE

RACCORD À COMPRIMER POUR CABLES CU.



RP

Referencia *Code* Référence	A mm^2	Bø
RP-50/10	50	10
RP-50/13	50	13
RP-70/10	70	10
RP-70/13	70	13
RP-95/13	95	13
RP-95/16	95	16
RP-120/14	120	14
RP-120/16	120	16
RP-150/14	150	14
RP-150/16	150	16
RP-185/16	185	16

NOTA: OTRAS MEDIDAS A INDICAR
NOTE: OTHER DIMENSIONS UPON REQUEST
NOTE: D'AUTRES DIMENSIONS À PRECISER


Powering Progress

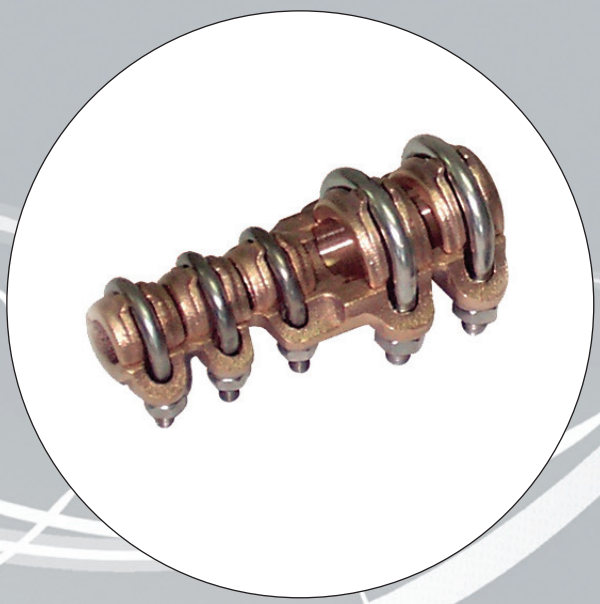
Bronze Connectors
Conectores de Bronce
Raccords en Bronze

- Straight Connectors / Conectores Rectos / Raccords Droits
- Bend Connectors / Conectores Acodados / Raccords Coudes
- T Connectors / Conectores en T / Raccords en T
- Duplex Connectors / Conectores Duplex / Raccords Duplex
- Expansion Connectors / Conectores de Dilatación / Raccords Souples
- Supports / Soportes / Supports
- Support for Flatbars / Portapletinas / Porte-Barres
- Fix Points / Puntos Fijos / Points Fixes


Powering Progress

Straight Connectors
Conectores Rectos
Raccords Droits

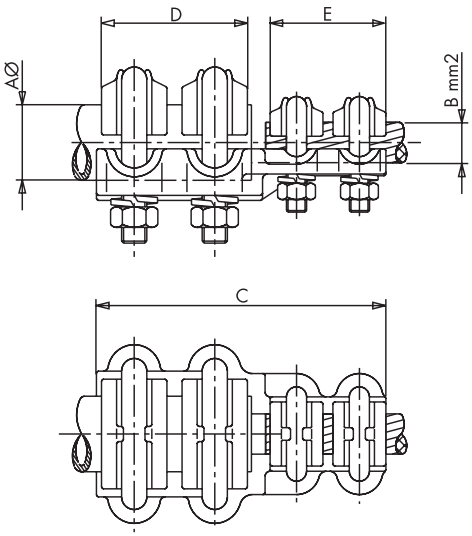




STRAIGHT CONNECTOR UNION CU. TUBE/STUD TO CU. CABLE

CONECTOR RECTO UNIÓN TUBO/BORNA CU. A CABLE CU.

RACCORD DROIT JONCTION TUBE/BORNE CU. À CABLE CU.



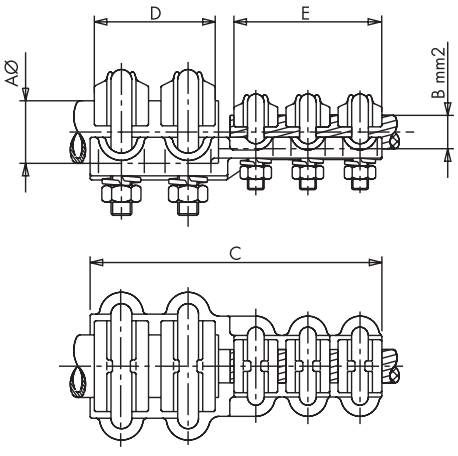
RBC

Referencia Code Référence	Aø	mm²	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
		B	C	D	E	INT	A	B
RBC-60500	60	500	152	80	62	1250	3	3
RBC-60400	60	300-400	148	80	55	800	3	2
RBC-60150	60	95-150	145	80	48	400	3	2
RBC-50500	50	500	142	75	62	1250	3	3
RBC-50400	50	300-400	138	75	55	800	3	2
RBC-50150	50	95-150	132	75	48	400	3	2
RBC-40400	40	300-400	133	67	55	800	3	2
RBC-40500	40	500	136	67	62	1250	3	3
RBC-40150	40	95-150	125	67	48	400	3	2
RBC-30500	30	500	128	62	62	1250	3	3
RBC-30400	30	300-400	124	62	55	800	3	2
RBC-30150	30	95-150	115	62	48	400	3	2
RBC-3070	30	50-70	115	62	46	300	3	2
RBC-25150	25	95-150	110	55	48	400	2	2
RBC-2570	25	50-70	110	55	46	300	2	2
RBC-20150	20	95-150	105	52	48	400	2	2
RBC-2070	20	50-70	105	52	46	300	2	2
RBC-12150	12	95-150	97	48	48	400	2	2

STRAIGHT CONNECTOR UNION CU. TUBE/STUD TO CU. CABLE

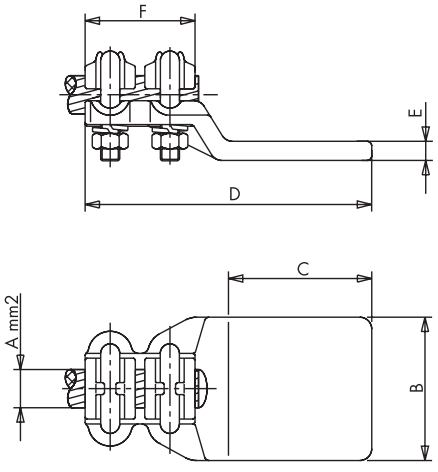
CONECTOR RECTO UNION TUBO/BORNA CU. A CABLE CU.

RACCORD DROIT JONCTION TUBE/BORNE CU. À CABLE CU.



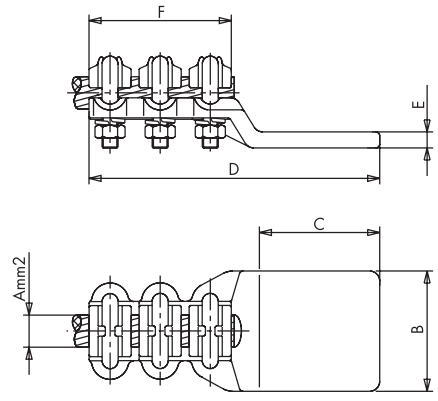
RBC3

Referencia Code Référence	Aø	mm²	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
		B	C	D	E	INT	A	B
RBC3-60500	60	500	183	80	93	1250	3	2
RBC3-60400	60	300-400	175	80	83	800	3	2
RBC3-60250	60	180-250	170	80	78	600	3	2
RBC3-60150	60	95-150	169	80	72	400	3	2
RBC3-50500	50	500	173	75	93	1250	3	3
RBC3-50400	50	300-400	166	75	83	800	3	2
RBC3-50250	50	180-250	161	75	78	600	3	2
RBC3-50150	50	95-150	156	75	72	400	3	2
RBC3-40500	40	500	167	67	93	1250	3	3
RBC3-40400	40	300-400	164	67	83	800	3	2
RBC3-40250	40	180-250	151	67	78	600	3	2
RBC3-40150	40	95-150	149	67	72	400	3	2
RBC3-30500	30	500	159	62	93	1250	3	3
RBC3-30400	30	300-400	152	62	83	800	3	2
RBC3-30250	30	180-250	145	62	78	600	3	2
RBC3-30150	30	95-150	139	62	72	400	3	2
RBC3-25150	25	95-150	130	55	72	400	2	2
RBC3-20150	20	95-150	127	52	72	400	2	2



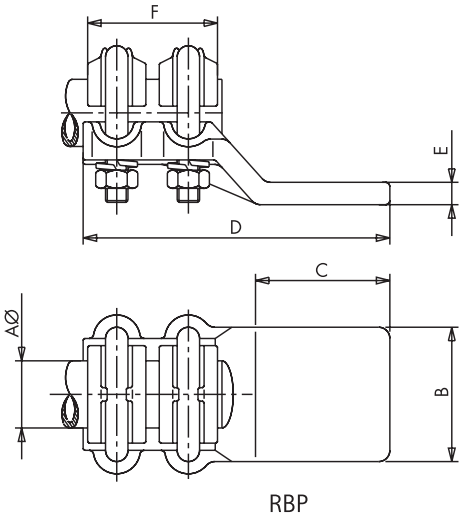
RCP

Referencia Code Référence	mm²	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D	E	F	INT.	
RCP-7011	50-70	30	30	90	7	47	300	2
RCP-7022	50-70	40	40	100	7	47	300	2
RCP-7033	50-70	50	50	110	7	47	300	2
RCP-7044	50-70	60	60	120	7	47	300	2
RCP-7055	50-70	80	80	140	7	47	300	2
RCP-7066	50-70	100	100	160	7	47	300	2
RCP-15022	95-150	40	40	103	8	47	400	2
RCP-15033	95-150	50	50	113	8	47	400	2
RCP-15044	95-150	60	60	126	8	47	400	2
RCP-15046	95-150	60	100	165	8	47	400	2
RCP-15055	95-150	80	80	143	8	47	400	2
RCP-15066	95-150	100	100	163	8	47	400	2
RCP-40022	300-400	40	40	110	10	55	800	2
RCP-40033	300-400	50	50	120	10	55	800	2
RCP-40044	300-400	60	60	133	10	55	800	2
RCP-40046	300-400	60	100	172	10	55	800	2
RCP-40055	300-400	80	80	150	10	55	800	2
RCP-40066	300-400	100	100	170	10	55	800	2
RCP-50044	500	60	60	147	10	62	1250	3
RCP-50046	500	60	100	186	10	62	1250	3
RCP-50055	500	80	80	170	10	62	1250	3
RCP-50066	500	100	100	190	10	62	1250	3

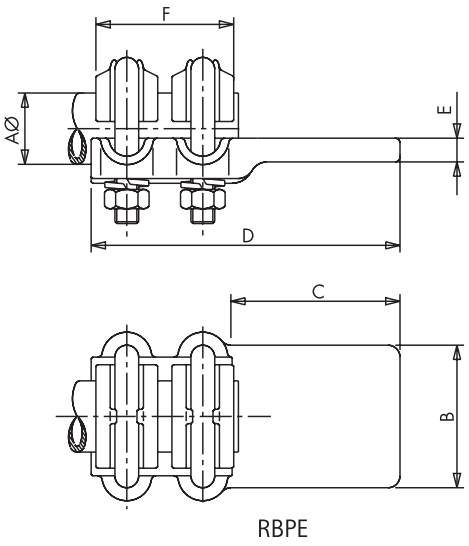


RC3P

RC3P-15033	95-150	50	50	127	8	73	400	2
RC3P-15044	95-150	60	60	137	8	73	400	2
RC3P-15035	95-150	50	80	157	8	73	400	2
RC3P-15055	95-150	80	80	157	8	73	400	2
RC3P-15066	95-150	100	100	177	8	73	400	2
RC3P-25022	185-250	40	40	134	8	80	625	2
RC3P-25033	185-250	50	50	144	9	80	650	2
RC3P-25044	185-250	60	60	154	9	80	650	2
RC3P-25035	185-250	50	80	174	9	80	650	2
RC3P-25055	185-250	80	80	174	9	80	350	2
RC3P-25066	185-250	100	100	194	9	80	650	2
RC3P-40022	300-400	40	40	140	10	85	800	2
RC3P-40033	300-400	50	50	150	10	85	800	2
RC3P-40035	300-400	50	80	180	10	85	800	2
RC3P-40044	300-400	60	60	160	10	85	800	2
RC3P-40055	300-400	80	80	180	10	85	800	2
RC3P-40066	300-400	100	100	200	10	85	800	2
RC3P-50033	500	50	50	155	12	94	1250	3
RC3P-50044	500	60	60	165	12	94	1250	3
RC3P-50035	500	50	80	185	12	94	1250	3
RC3P-50055	500	80	80	185	12	94	1250	3
RC3P-50066	500	100	100	205	12	94	1250	3



RBP

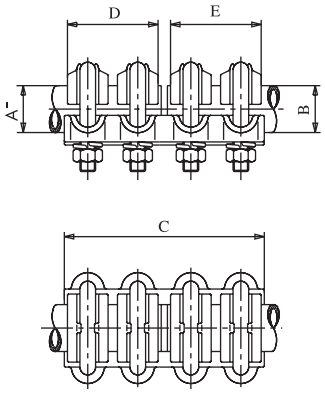


RBPE

Referencia Code Référence	mm.							Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	F	INT.	
RBP-2011	20	30	30	97	10	53	400	2
RBP-2022	20	40	40	107	10	53	400	2
RBP-2033	20	50	50	117	10	53	400	2
RBP-2044	20	60	60	127	10	53	400	2
RBP-2055	20	80	80	147	10	53	400	2
RBP-2511	25	30	30	100	10	55	600	2
RBP-2522	25	40	40	110	10	55	600	2
RBP-2533	25	50	50	120	10	55	600	2
RBP-2544	25	60	60	133	10	55	600	2
RBP-2555	25	80	80	150	10	55	600	2
RBP-3022	30	40	40	130	10	62	900	3
RBP-3033	30	50	50	140	10	62	900	3
RBP-3035	30	50	80	170	10	62	900	3
RBP-3044	30	60	60	147	10	62	900	3
RBP-3055	30	80	80	170	10	62	900	3
RBP-3066	30	100	100	190	10	62	900	3
RBP-4022	40	40	40	125	12	67	1000	3
RBP-4033	40	50	50	135	12	67	1000	3
RBP-4035	40	50	80	165	12	67	1000	3
RBP-4044	40	60	60	145	12	67	1000	3
RBP-4055	40	80	80	165	12	67	1000	3
RBP-4066	40	100	100	185	12	67	1000	3
RBP-5033	50	50	50	145	12	75	1250	3
RBP-5035	50	50	80	175	12	75	1250	3
RBP-5044	50	60	60	155	12	75	1250	3
RBP-5055	50	80	80	175	12	75	1250	3
RBP-5066	50	100	100	195	12	75	1250	3
RBP-6055	60	80	80	190	12	80	1250	3
RBP-6066	60	100	100	210	13	80	1250	3

NOTA: INDICAR SI LA PALA VA AL EJE DEL TUBO (EJ.: RBPE).
NOTE: PLEASE INFORM IF FLAT GOES TO TUBE AXIS (EX.: RBPE).
NOTE: INDIQUER SI LA PLAGE VA AU AXE DU TUBE (EX.: RBPE).

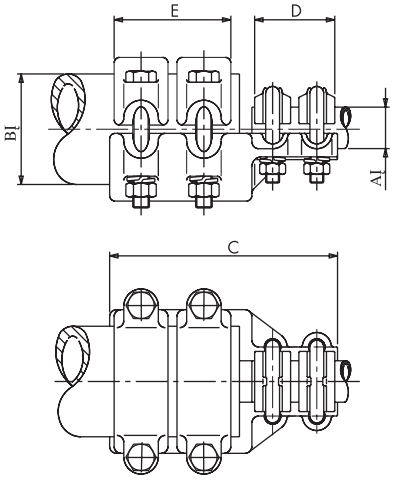
FIG.1



RBB
FIG.1

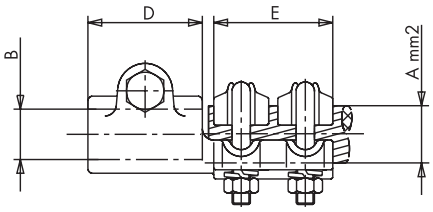
Referencia / Code / Référence	mm.					Par de apriete / Tightening torque / Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	Aø	Bø
RBB-2020	20	20	105	52	52	2	2
RBB-2025	20	25	112	52	55	2	2
RBB-2530	25	30	124	55	62	2	3
RBB-3030	30	30	128	62	62	3	3
RBB-3040	30	40	136	62	67	3	3
RBB-3050	30	50	148	62	75	3	3
RBB-3060	30	60	156	62	80	3	3
RBB-4040	40	40	140	67	67	3	3
RBB-4050	40	50	147	67	75	3	3
RBB-4060	40	60	154	67	80	3	3
RBB-5050	50	50	156	75	75	3	3
RBB-5060	50	60	164	75	80	3	3
RBB-6060	60	60	167	80	80	3	3

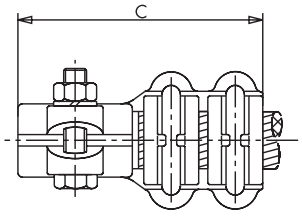
FIG.2



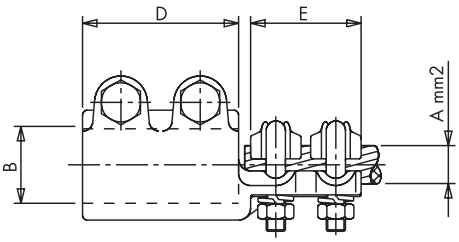
RBB
FIG. 2

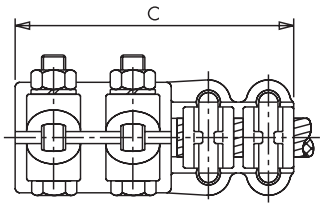
Referencia / Code / Référence	mm.					Par de apriete / Tightening torque / Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	Aø	Bø
RBB-3080	30	80	165	62	90	3	5
RBB-4080	40	80	172	67	90	3	5
RBB-5080	50	80	180	75	90	3	5
RBB-6080	60	80	185	80	90	3	5





RBRC - FIG.1





RBRC- FIG.2

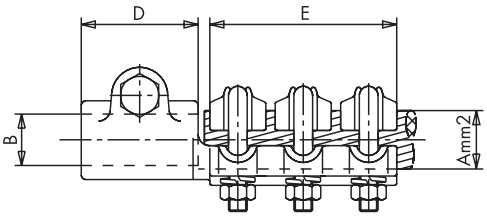
FIG.1

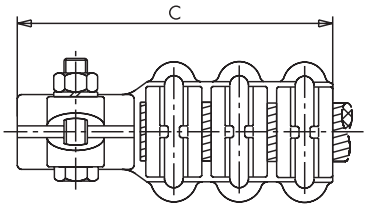
Referencia Code Référence	mm² A	B	mm. C	D	E	INT	Par de apriete Tightening torque Couple de serrage (kg.m) A	B
RBRC-M1070	50-70	M-10	94	40	50	400	2	3
RBRC-M10150	95-150	M-10	92	40	47	400	2	3
RBRC-M1270	50-70	M-12	94	40	50	400	2	3
RBRC-M12150	95-150	M-12	92	40	47	400	2	3
RBRC-M12250	180-250	M-12	96	40	52	400	2	3
RBRC-M16150	95-150	M-16	92	40	47	400	2	3
RBRC-M16250	180-250	M-16	96	40	52	400	2	3
RBRC-M16400	300-400	M-16	102	40	58	800	2	3
RBRC-M16500	500	M-16	115	40	62	1250	3	3
RBRC-M20150	95-150	M-20	110	50	47	400	2	3
RBRC-M20250	180-250	M-20	105	45	52	400	2	3
RBRC-M20400	300-400	M-20	128	64	58	800	2	3
RBRC-M20500	500	M-20	131	64	62	1250	3	3

FIG.2

Referencia Code Référence	mm² A	B	mm. C	D	E	INT	Par de apriete Tightening torque Couple de serrage (kg.m) A	B
RBRC-M30150	95-150	M-30	125	65	47	400	2	3
RBRC-M30250	180-250	M-30	129	65	52	400	2	3
RBRC-M30400	300-400	M-30	135	65	58	800	2	3
RBRC-M30500	500	M-30	139	65	62	1250	3	3

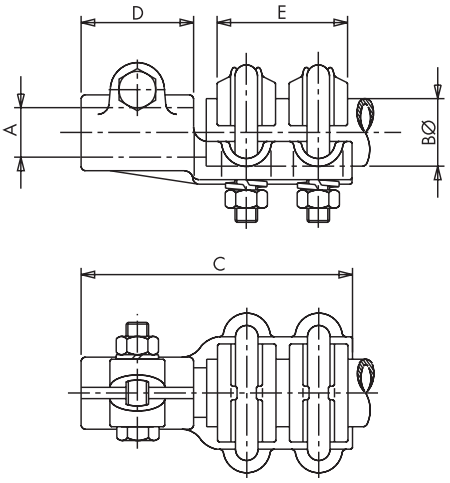
STRAIGHT CONNECTOR SCREWED CU. STUD TO CU. CABLE
CONECTOR RECTO BORNA ROSCADA CU. A CABLE CU.
RACCORD DROIT BORNE VISSÉE CU. À CABLE CU.





RBRC3

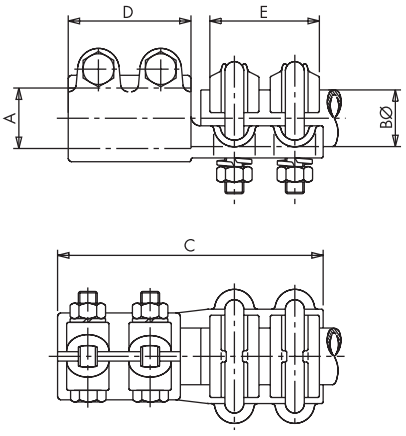
Referencia Code Référence	mm² A	B	mm. C	D	E	INT	Par de apriete Tightening torque Couple de serrage (kg.m) A	B
RBRC3-M1070	50-70	M-10	116	40	72	400	2	3
RBRC3-M10150	95-150	M-10	116	40	72	400	2	3
RBRC3-M1270	50-70	M-12	116	40	72	400	2	3
RBRC3-M12150	95-150	M-12	116	40	72	400	2	3
RBRC3-M12250	180-250	M-12	122	40	78	400	2	3
RBRC3-M16150	95-150	M-16	116	40	72	400	2	3
RBRC3-M16250	180-250	M-16	122	40	78	400	2	3
RBRC3-M16400	300-400	M-16	127	40	83	800	2	3
RBRC3-M16500	500	M-16	146	40	93	1250	3	3
RBRC3-M20150	95-150	M-20	135	50	72	400	2	3
RBRC3-M20250	180-250	M-20	131	45	78	400	2	3
RBRC3-M20400	300-400	M-20	153	64	83	800	2	3
RBRC3-M20500	500	M-20	163	64	93	1250	3	3



RBRB
FIG. 1

FIG.1

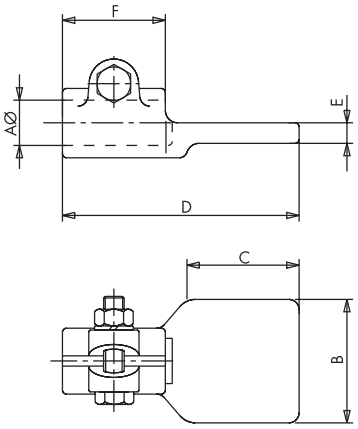
Referencia / Code / Référence	A	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
		Bø	C	D	E	Aø	Bø
RBRB-M1220	M-12	20	96	40	52	3	3
RBRB-M1225	M-12	25	102	40	58	3	3
RBRB-M1230	M-12	30	116	40	62	3	3
RBRB-M1240	M-12	40	118	40	67	3	3
RBRB-M1250	M-12	50	124	40	75	3	3
RBRB-M1420	M-14	20	96	40	52	3	3
RBRB-M1425	M-14	25	102	40	58	3	3
RBRB-M1430	M-14	30	116	40	62	3	3
RBRB-M1440	M-14	40	118	40	67	3	3
RBRB-M1450	M-14	50	124	40	75	3	3
RBRB-M1460	M-14	60	130	40	80	3	3
RBRB-M1620	M-16	20	96	40	52	3	3
RBRB-M1625	M-16	25	102	40	58	3	3
RBRB-M1630	M-16	30	116	40	62	3	3
RBRB-M1640	M-16	40	118	40	67	3	3
RBRB-M1650	M-16	50	124	40	75	3	3
RBRB-M1660	M-16	60	130	40	80	3	3
RBRB-M2025	M-20	25	128	64	58	3	3
RBRB-M2030	M-20	30	131	64	62	3	3
RBRB-M2040	M-20	40	135	64	67	3	3
RBRB-M2050	M-20	50	145	64	75	3	3
RBRB-M2060	M-20	60	150	64	80	3	3



RBRB
FIG. 2

FIG.2

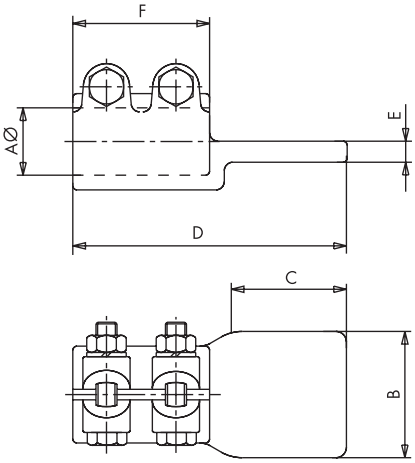
Referencia / Code / Référence	A	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
		Bø	C	D	E	Aø	Bø
RBRB-M3020	M-30	20	129	65	52	3	3
RBRB-M3025	M-30	25	135	65	55	3	3
RBRB-M3030	M-30	30	139	65	62	3	3
RBRB-M3040	M-30	40	147	65	67	3	3
RBRB-M3050	M-30	50	155	65	75	3	3
RBRB-M3060	M-30	60	160	65	80	3	3



RBRP
FIG. 1

FIG.1

Referencia Code Référence	A	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)
		B	C	D	E	F	
RBRP-M1233	M-12	50	50	95	9	42	3
RBRP-M1244	M-12	60	60	105	9	42	3
RBRP-M1255	M-12	80	80	125	9	42	3
RBRP-M1266	M-12	100	100	145	9	42	3
RBRP-M1633	M-16	50	50	95	9	42	3
RBRP-M1644	M-16	60	60	105	9	42	3
RBRP-M1655	M-16	80	80	125	9	42	3
RBRP-M1666	M-16	100	100	145	9	42	3
RBRP-M2033	M-20	50	50	110	11	52	3
RBRP-M2044	M-20	60	60	120	11	52	3
RBRP-M2055	M-20	80	80	140	11	52	3
RBRP-M2066	M-20	100	100	160	11	52	3



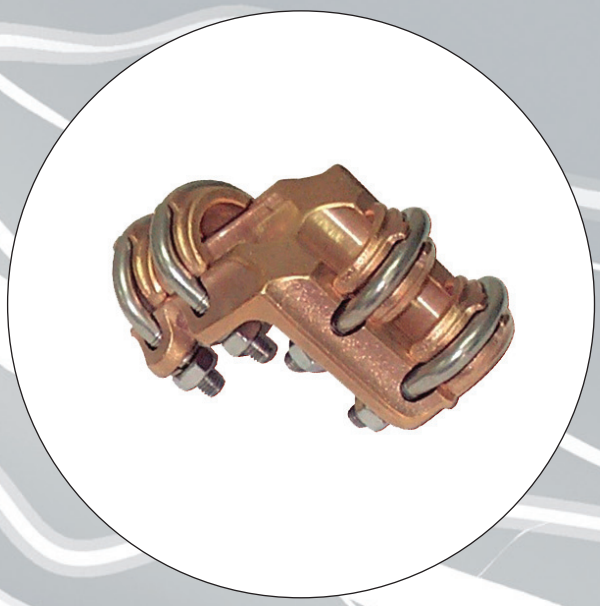
RBRP
FIG. 2

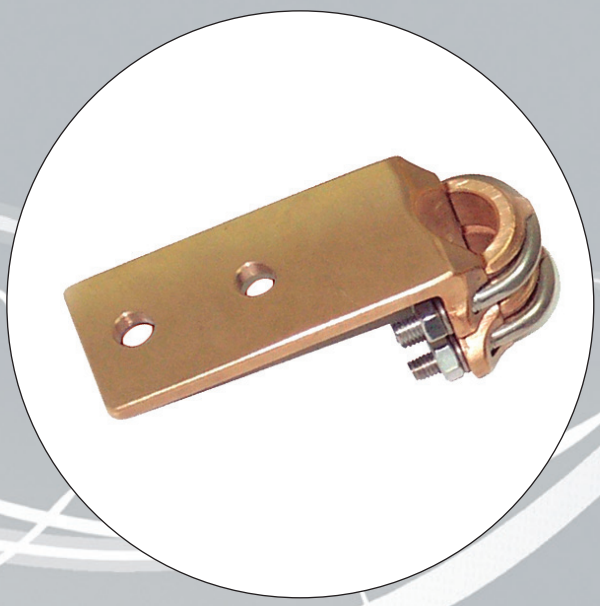
FIG.2

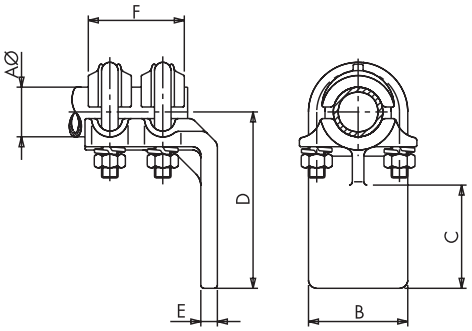
Referencia Code Référence	A	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)
		B	C	D	E	F	
RBRP-M3055	M-30	80	80	160	15	67	3
RBRP-M3066	M-30	100	100	160	15	67	3
RBRP-M4255	M-42	80	80	172	20	82	3
RBRP-M4266	M-42	100	100	192	20	82	3


Powering Progress

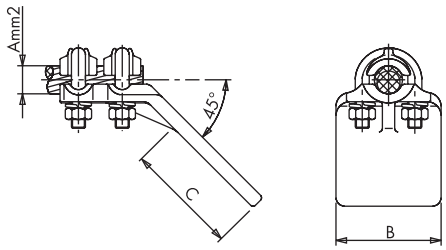
Bend Connectors
Conectores Acodados
Raccords Coudes





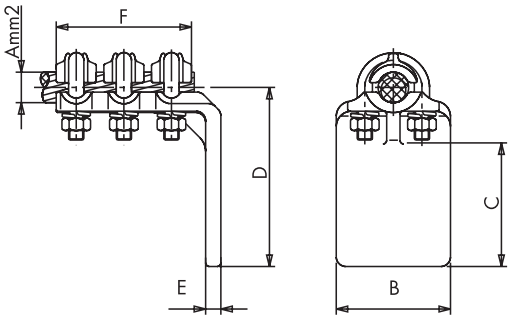


LCP

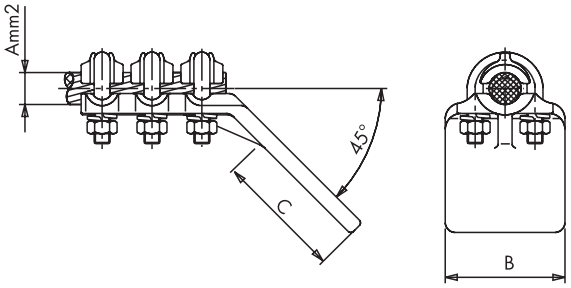


LCP45

Referencia / Code / Référence	mm²	mm.						Par de apriete / Tightening torque / Couple de serrage (kg.m)
	A	B	C	D	E	F	INT.	
LCP-7011	50-70	30	30	55	7	47	300	2
LCP-7022	50-70	40	40	65	7	47	300	2
LCP-7033	50-70	50	50	75	7	47	300	2
LCP-7044	50-70	60	60	85	7	47	300	2
LCP-7055	50-70	80	80	95	7	47	300	2
LCP-7066	50-70	100	100	105	7	47	300	2
LCP-15022	95-150	40	40	70	8	47	400	2
LCP-15033	95-150	50	50	80	8	47	400	2
LCP-15044	95-150	60	60	90	8	47	400	2
LCP-15046	95-150	60	100	130	8	47	400	2
LCP-15055	95-150	80	80	120	8	47	400	2
LCP-15066	95-150	100	100	130	8	47	400	2
LCP-40022	300-400	40	40	65	10	55	800	2
LCP-40033	300-400	50	50	75	10	55	800	2
LCP-40044	300-400	60	60	90	10	55	800	2
LCP-40046	300-400	60	80	130	10	55	800	2
LCP-40055	300-400	80	80	120	10	55	800	2
LCP-40066	300-400	100	100	130	10	55	800	2
LCP-50044	500	60	60	90	10	62	1250	3
LCP-50046	500	60	100	143	10	62	1250	3
LCP-50055	500	80	80	133	10	62	1250	3
LCP-50066	500	100	100	143	10	62	1250	3



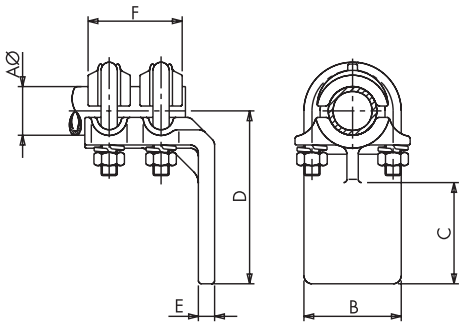
LC3P



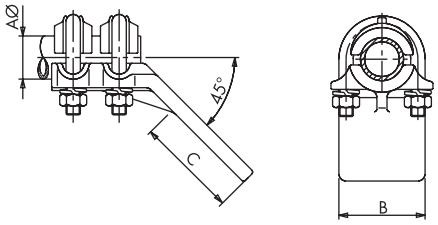
LC3P45

Referencia / Code / Référence	mm²	mm.						Par de apriete / Tightening torque / Couple de serrage (kg.m)
	A	B	C	D	E	F	INT.	
LC3P-15022	95-150	40	40	70	8	73	400	2
LC3P-15033	95-150	50	50	75	8	73	400	2
LC3P-15044	95-150	60	60	85	8	73	400	2
LC3P-15035	95-150	50	80	120	8	73	400	2
LC3P-15055	95-150	80	80	120	8	73	400	2
LC3P-15066	95-150	100	100	130	8	73	400	2
LC3P-25022	185-250	40	40	75	9	80	650	2
LC3P-25033	185-250	50	50	85	9	80	650	2
LC3P-25044	185-250	60	60	95	9	80	650	2
LC3P-25035	185-250	50	80	110	9	80	650	2
LC3P-25055	185-250	80	80	110	9	80	650	2
LC3P-25066	185-250	100	100	125	9	80	650	2
LC3P-40022	300-400	40	40	75	10	85	800	2
LC3P-40033	300-400	50	50	85	10	85	800	2
LC3P-40035	300-400	50	80	110	10	85	800	2
LC3P-40044	300-400	60	60	82	10	85	800	2
LC3P-40055	300-400	80	80	120	10	85	800	2
LC3P-40066	300-400	100	100	130	10	85	800	2
LC3P-50033	500	50	50	80	12	94	1250	3
LC3P-50044	500	60	60	90	12	94	1250	3
LC3P-50035	500	50	80	133	12	94	1250	3
LC3P-50055	500	80	80	133	12	94	1250	3
LC3P-50066	500	100	100	143	12	94	1250	3

NOTA: OTROS ÁNGULOS A INDICAR
NOTA: SPECIFY ANOTHER ANGLES
NOTA: D´AUTRES ANGLES À PRECISER



LBP



LBP45

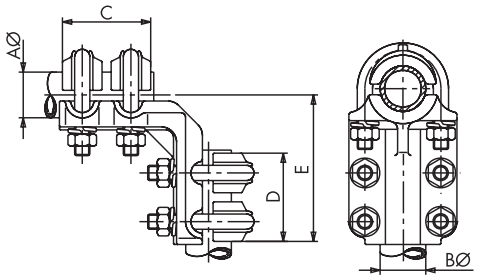
Referencia Code Référence	mm.							Par de apriete Tightening torque Couple de serrage (kg.m)
	A ø	B	C	D	E	F	INT.	
LBP-2011	20	30	30	65	10	53	400	2
LBP-2022	20	40	40	75	10	53	400	2
LBP-2033	20	50	50	85	10	53	400	2
LBP-2044	20	60	60	95	10	53	400	2
LBP-2055	20	80	80	115	10	53	400	2
LBP-2511	25	30	30	65	10	55	600	2
LBP-2522	25	40	40	75	10	55	600	2
LBP-2533	25	50	50	85	10	55	600	2
LBP-2544	25	60	60	85	10	55	600	2
LBP-2555	25	80	80	110	10	55	600	2
LBP-3022	30	40	40	75	10	62	900	3
LBP-3033	30	50	50	80	10	62	900	3
LBP-3035	30	50	80	133	10	62	900	3
LBP-3044	30	60	60	90	10	62	900	3
LBP-3046	30	60	100	143	10	62	900	3
LBP-3055	30	80	80	133	10	62	900	3
LBP-3066	30	100	100	143	10	62	900	3
LBP-4022	40	40	40	78	12	67	1000	3
LBP-4033	40	50	50	88	12	67	1000	3
LBP-4035	40	50	80	118	12	67	1000	3
LBP-4044	40	60	60	98	12	67	1000	3
LBP-4055	40	80	80	118	12	67	1000	3
LBP-4066	40	100	100	138	12	67	1000	3
LBP-5033	50	50	50	120	12	75	1250	3
LBP-5035	50	50	80	130	12	75	1250	3
LBP-5044	50	60	60	110	12	75	1250	3
LBP-5055	50	80	80	130	12	75	1250	3
LBP-5066	50	100	100	150	12	75	1250	3
LBP-6055	60	80	80	137	13	80	1250	3
LBP-6066	60	100	100	157	13	80	1250	3

NOTA: OTROS ÁNGULOS A INDICAR
NOTE: SPECIFY ANOTHER ANGLES
NOTA: D´AUTRES ANGLES À PRECISER

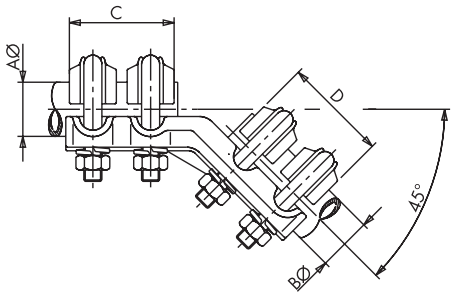
L CONNECTOR 90º/45º FOR CU. TUBE TO CU. STUD

CONECTOR A 90º/45º PARA TUBO A BORNA CU.

RACCORD À 90º/45º POUR TUBE CU. A BORNE



LBB



LBB45

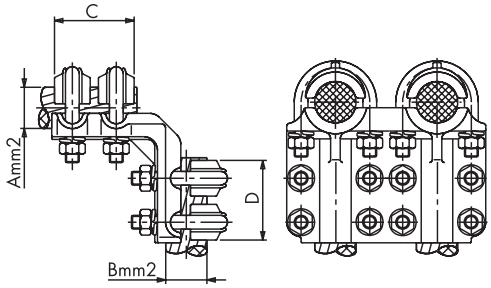
Referencia / Code / Référence	mm.					Par de apriete / Tightening torque / Couple de serrage (kg.m)	
	A ø	B ø	C	D	E	A	B
LBB-2020	20	20	52	52	80	2	2
LBB-2025	20	25	52	55	85	2	2
LBB-2030	20	30	52	62	100	2	3
LBB-2530	25	30	55	62	100	2	3
LBB-2540	25	40	55	67	101	2	3
LBB-3030	30	30	62	62	102	3	3
LBB-3040	30	40	62	67	103	3	3
LBB-3050	30	50	62	75	108	3	3
LBB-3060	30	60	62	80	110	3	3
LBB-4040	40	40	67	67	105	3	3
LBB-4050	40	50	67	75	109	3	3
LBB-4060	40	60	67	80	112	3	3
LBB-5050	50	50	75	75	120	3	3
LBB-5060	50	60	75	80	125	3	3
LBB-6060	60	60	80	80	130	3	3

NOTA: OTROS ÁNGULOS A INDICAR
NOTE: SPECIFY ANOTHER ANGLES
NOTA: D´AUTRES ANGLES À PRECISER

90º BEND CONNECTOR FOR CU. DUPLEX CABLE

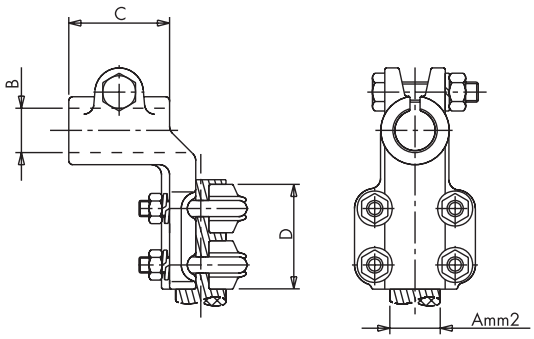
CONECTOR ACODADO A 90º PARA CABLES DUPLEX CU.

RACCORD COUDÉ Ä 90º POUR CABLES DUPLEX CU.



LDCC

Referencia / Code / Référence	mm^2		mm.		Par de apriete / Tightening torque / Couple de serrage (kg.m)
	A	B	D	E	
LDCC-150	95-150	95-150	47	47	2
LDCC-250	180-250	180-250	52	52	2
LDCC-400	300-400	300-400	55	55	2
LDCC-500	500	500	62	62	3

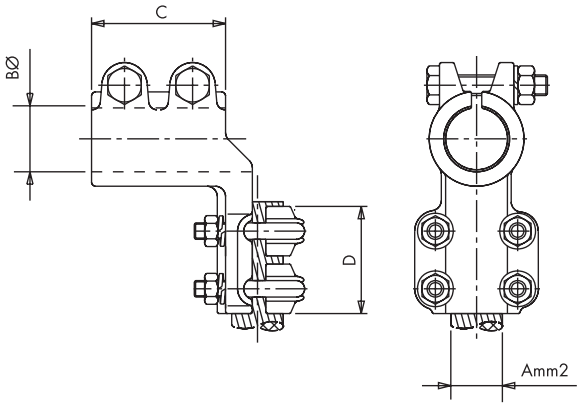


LBRC

FIG. 1

FIG.1

Referencia Code Référence	mm²	B	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)	
	A		C	D	INT	A	B
LBRC-M1070	50-70	M-10	40	50	400	2	3
LBRC-M10150	95-150	M-10	40	57	400	2	3
LBRC-M1270	50-70	M-12	40	50	400	2	3
LBRC-M12150	95-150	M-12	40	47	400	2	3
LBRC-M12250	180-250	M-12	40	52	400	2	3
LBRC-M16150	95-150	M-16	40	47	400	2	3
LBRC-M16250	180-250	M-16	40	52	400	2	3
LBRC-M16400	300-400	M-16	40	58	800	2	3
LBRC-M16500	500	M-16	40	62	1250	3	3
LBRC-M20150	95-150	M-20	50	47	400	2	3
LBRC-M20250	180-250	M-20	45	52	400	2	3
LBRC-M20400	300-400	M-20	64	58	800	2	3
LBRC-M20500	500	M-20	64	62	1250	3	3

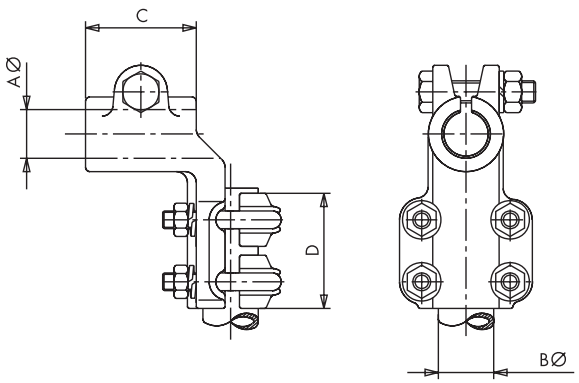


LBRC

FIG. 2

FIG.2

Referencia Code Référence	mm²	B	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)	
	A		C	D	INT	A	B
LBRC-M30150	95-150	M-30	65	47	400	2	3
LBRC-M30250	180-250	M-30	65	52	400	2	3
LBRC-M30400	300-400	M-30	65	58	800	2	3
LBRC-M30500	500	M-30	65	62	1250	2	3

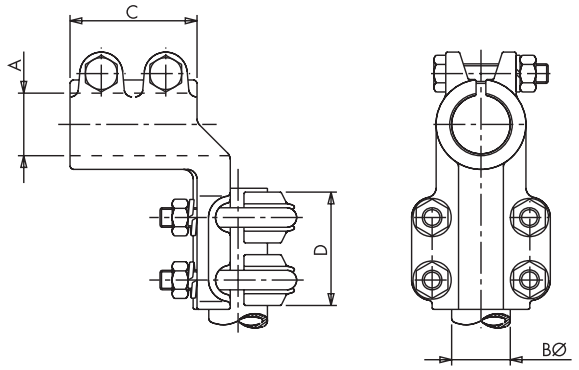


LBRB

FIG. 1

FIG.1

Referencia / Code / Référence	A	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
		Bø	C	D	INT	A	B
LBRB-M1220	M-12	20	40	52	400	3	2
LBRB-M1225	M-12	25	40	58	600	3	2
LBRB-M1420	M-14	20	40	52	400	3	2
LBRB-M1425	M-14	25	10	58	600	3	2
LBRB-M1430	M-14	30	40	62	900	3	3
LBRB-M1620	M-16	20	40	52	400	3	2
LBRB-M1625	M-16	25	40	58	400	3	2
LBRB-M1630	M-16	30	40	62	900	3	3
LBRB-M1640	M-16	40	40	67	1000	3	3
LBRB-M1650	M-16	50	40	75	1250	3	3
LBRB-M2025	M-20	25	64	58	600	3	2
LBRB-M2030	M-20	30	64	62	900	3	3
LBRB-M2040	M-20	40	64	67	1000	3	3
LBRB-M2050	M-20	50	64	75	1250	3	3

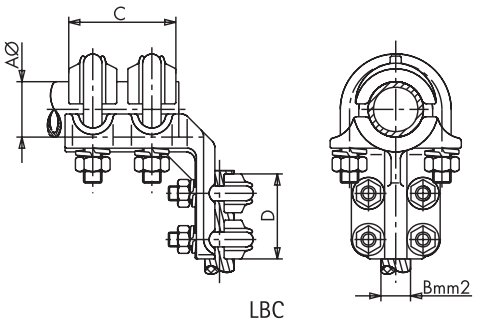


LBRB

FIG. 2

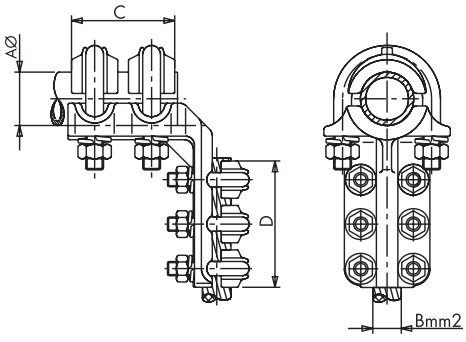
FIG.2

Referencia / Code / Référence	A	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
		Bø	C	D	INT	A	B
LBRB-M3020	M-30	20	65	52	400	3	2
LBRB-M3025	M-30	25	65	55	600	3	2
LBRB-M3030	M-30	30	65	62	900	3	3
LBRB-M3040	M-30	40	65	67	1000	3	3
LBRB-M3050	M-30	50	65	75	1250	3	3
LBRB-M3060	M-30	60	65	80	1250	3	3



LBC

Referencia Code Référence	A ø	mm²	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)	
		B	C	D	INT	A	B
LBC-60500	60	500	80	62	1250	3	3
LBC-60400	60	300-400	80	55	800	3	2
LBC-50500	50	500	75	62	1250	3	3
LBC-50400	50	300-400	75	55	800	3	2
LBC-50250	50	180-250	75	52	600	3	2
LBC-50150	50	95-150	75	47	400	3	2
LBC-40500	40	500	67	62	1250	3	3
LBC-40400	40	300-400	67	55	800	3	2
LBC-40250	40	180-250	67	52	600	3	2
LBC-40150	40	95-150	67	47	400	3	2
LBC-30500	30	500	62	62	1250	3	3
LBC-30400	30	300-400	62	55	800	3	2
LBC-30250	30	180-250	62	52	600	3	2
LBC-30150	30	95-150	62	47	400	3	2
LBC-3070	30	50-70	62	47	300	3	2
LBC-25150	25	95-150	55	47	400	3	2
LBC-2570	25	50-70	55	47	300	3	2
LBC-20150	20	95-150	52	47	400	3	2
LBC-2070	20	50-70	52	47	300	3	2



LBC3

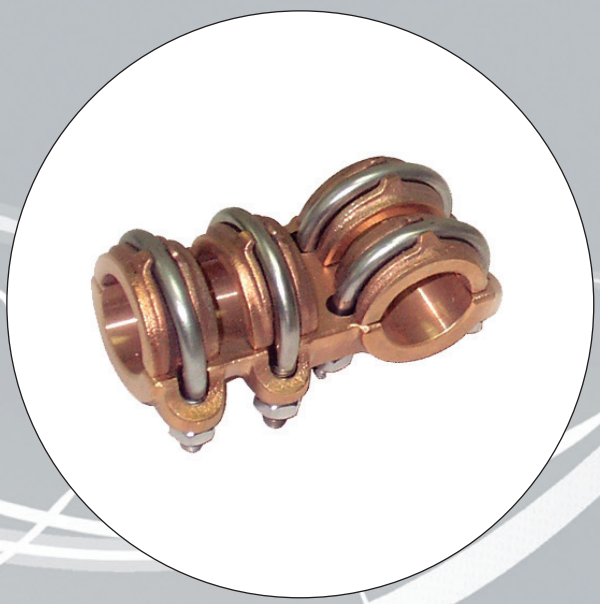
LBC3-60500	60	500	80	93	1250	3	3
LBC3-60400	60	300-400	80	83	800	3	2
LBC3-60250	60	180-250	80	78	600	3	2
LBC3-60150	60	95-150	80	72	400	3	2
LBC3-50500	50	500	75	93	1250	3	3
LBC3-50400	50	300-400	75	83	800	3	2
LBC3-50250	50	180-250	75	78	600	3	2
LBC3-50150	50	95-150	75	72	400	3	2
LBC3-40500	40	500	67	93	1250	3	3
LBC3-40400	40	300-400	67	83	800	3	2
LBC3-40250	40	180-250	67	78	600	3	2
LBC3-40150	40	95-150	67	78	400	3	2
LBC3-30500	30	500	62	93	1250	3	3
LBC3-30400	30	300-400	62	83	800	3	2
LBC3-30250	30	180-250	62	78	600	3	2
LBC3-30150	30	95-150	62	72	400	3	2
LBC3-25150	25	95-150	55	72	400	2	2
LBC3-20150	20	95-150	52	72	400	2	2

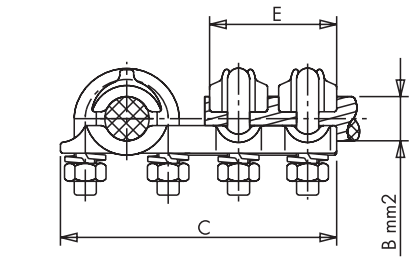
NOTA: OTROS ÁNGULOS A INDICAR
NOTE: SPECIFY ANOTHER ANGLES
NOTA: D´AUTRES ANGLES À PRECISER

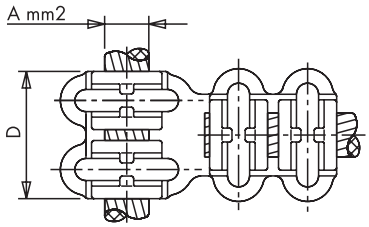

Powering Progress

T Connectors
Conectores en T
Raccords en T



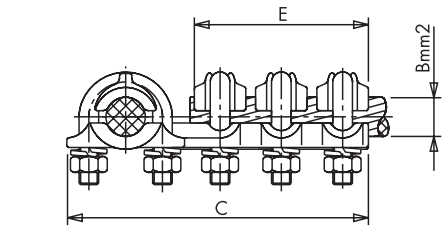


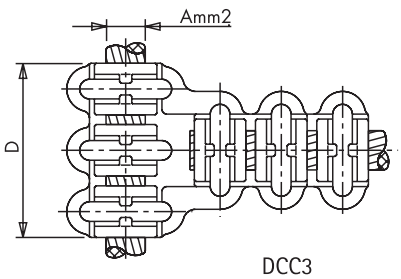




DCC

Referencia Code Référence	mm²		mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	A	B	C	D	E	INT	A	B
DCC-7070	50-70	50-70	96	47	47	300	2	2
DCC-150	95-150	95-150	101	47	47	400	2	2
DCC-150400	95-150	300-400	107	47	55	400	2	2
DCC-150500	95-150	500	117	47	62	800	2	3
DCC-400150	300-400	95-150	111	55	47	400	2	2
DCC-400	300-400	300-400	124	55	55	800	2	2
DCC-400500	300-400	500	131	55	62	800	2	3
DCC-500150	500	95-150	126	62	47	400	3	2
DCC-500400	500	300-400	131	62	55	800	3	2
DCC-500	500	500	140	62	62	1250	3	3





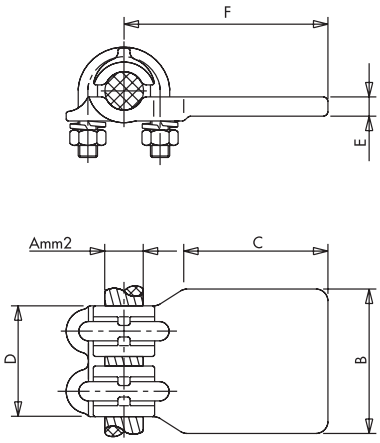
DCC3

Referencia Code Référence	mm²		mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	A	B	C	D	E	INT	A	B
DCC3-150	95-150	95-150	124	73	73	400	2	2
DCC3-150250	95-150	180-250	131	73	80	400	2	2
DCC3-150400	95-150	300-400	133	73	85	400	2	2
DCC3-150500	95-150	500	148	73	94	800	2	3
DCC3-250150	180-250	95-150	128	80	73	600	2	2
DCC3-250	180-250	180-250	135	80	80	600	2	2
DCC3-250400	180-250	300-400	142	80	85	600	2	2
DCC3-250500	180-250	500	152	80	94	600	2	3
DCC3-400150	300-400	95-150	140	85	73	800	2	2
DCC3-400250	300-400	180-250	143	85	80	800	2	2
DCC3-400	300-400	300-400	150	85	85	800	2	2
DCC3-400500	300-400	500	160	85	94	800	2	3
DCC3-500150	500	95-150	151	94	73	1250	3	2
DCC3-500250	500	180-250	154	94	80	1250	3	2
DCC3-500400	500	300-400	160	94	85	1250	3	2
DCC3-500	500	500	173	94	94	1250	3	3

T CONNECTOR FOR THROUGH CU. CABLE TO FLATBAR

DERIVACION EN T PARA CABLE CU. PASANTE A PLETINA

RACCORD EN T POUR CABLE CU. TRAVERSANT À BARRE MÈPLATE



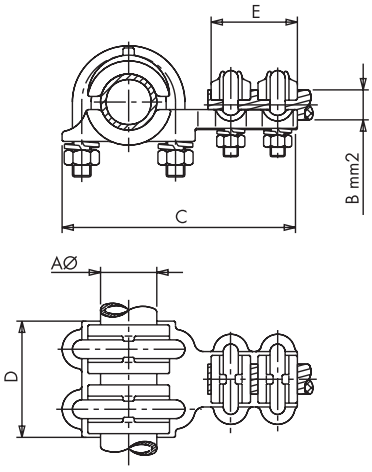
DCP

Referencia Code Référence	mm²	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D	E	F	INT	
DCP-7011	50-70	30	30	47	7	57	300	2
DCP-7022	50-70	40	40	47	7	67	300	2
DCP-7033	50-70	50	50	47	7	77	300	2
DCP-7044	50-70	60	60	47	7	87	300	2
DCP-7055	50-70	80	80	47	7	107	300	2
DCP-15022	95-150	40	40	47	8	67	400	2
DCP-15033	95-150	50	50	47	8	77	400	2
DCP-15044	95-150	60	60	47	8	87	400	2
DCP-15046	95-150	60	100	47	8	127	400	2
DCP-15055	95-150	80	80	47	8	107	400	2
DCP-15066	95-150	100	100	47	8	127	400	2
DCP-25022	180-250	40	40	52	8	70	600	2
DCP-25033	180-250	50	50	52	8	80	600	2
DCP-25044	180-250	60	60	52	8	90	600	2
DCP-25055	180-250	80	80	52	8	110	600	2
DCP-40022	300-400	40	40	55	10	74	800	2
DCP-40033	300-400	50	50	55	10	84	800	2
DCP-40044	300-400	60	60	55	10	94	800	2
DCP-40055	300-400	80	80	55	10	114	800	2
DCP-40066	300-400	100	100	55	10	134	800	2
DCP-50044	500	60	60	62	10	105	1250	3
DCP-50046	500	60	100	62	10	145	1250	3
DCP-50055	500	80	80	62	10	125	1250	3
DCP-50066	500	100	100	62	10	145	1250	3

T CONNECTOR FOR THROUGH CU. TUBE AND TAP CU. CABLE

DERIVACION EN T PARA TUBO CU. PASANTE Y DERIVADO CABLE CU.

RACCORD EN T POUR TUBE CU. TRAVERSANT ET DÉRIVÉ CABLE CU.



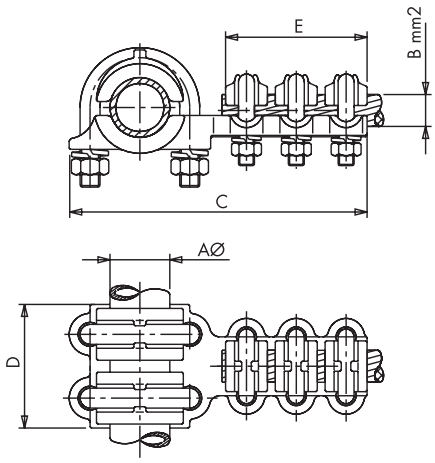
DBC

Referencia Code Référence	A ø	mm²	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
		B	C	D	E	INT	A	B
DBC-60500	60	500	175	80	62	1250	3	3
DBC-60400	60	300-400	165	80	55	800	3	2
DBC-60150	60	95-150	163	80	47	400	3	2
DBC-50500	50	500	160	75	62	1250	3	3
DBC-50400	50	300-400	156	75	55	800	3	2
DBC-50150	50	95-150	150	75	47	400	3	2
DBC-40500	40	500	150	67	62	1250	3	3
DBC-40400	40	300-400	142	67	55	800	3	2
DBC-40150	40	95-150	135	67	47	400	3	2
DBC-30500	30	500	140	62	62	1250	3	3
DBC-30400	30	300-400	130	62	55	800	3	2
DBC-30150	30	95-150	126	62	47	400	3	2

T CONNECTOR FOR THROUGH CU. TUBE AND TAP CU. CABLE

DERIVACION EN T PARA TUBO CU. PASANTE Y DERIVADO CABLE CU.

RACCORD EN T POUR TUBE CU. TRAVERSANT ET DÉRIVÉ CABLE CU.



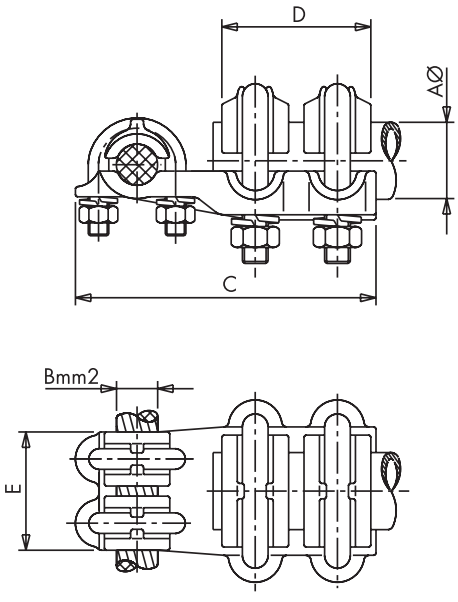
DBC3

Referencia / Code / Référence	A ø	mm²	mm.				Par de apriete / Tightening torque / Couple de serrage (kg.m)	
		B	C	D	E	INT	A	B
DBC3-60500	60	500	206	80	93	1250	3	3
DBC3-60400	60	300-400	193	80	83	800	3	2
DBC3-60250	60	180-250	193	80	78	600	3	2
DBC3-60150	60	95-150	187	80	72	400	3	2
DBC3-50500	50	500	191	75	93	1250	3	3
DBC3-50400	50	300-400	184	75	83	800	3	2
DBC3-50250	50	180-250	182	75	78	600	3	2
DBC3-50150	50	95-150	181	75	72	400	3	2
DBC3-40500	40	500	181	67	93	1250	3	3
DBC3-40400	40	300-400	170	67	83	800	3	2
DBC3-40250	40	180-250	167	67	78	600	3	2
DBC3-40150	40	95-150	159	67	72	400	3	2
DBC3-30500	30	500	171	62	93	1250	3	3
DBC3-30400	30	300-400	158	62	83	800	3	2
DBC3-30250	30	180-250	155	62	78	600	3	2
DBC3-30150	30	95-150	150	62	72	400	3	2
DBC3-25150	25	95-150	137	55	72	400	2	2
DBC3-20150	20	95-150	128	52	72	400	2	2
DBC3-80150	80	95-150	73	90	204	400	6	2
DBC3-80250	80	180-250	80	90	211	1250	6	2
DBC3-80400	80	300-400	85	90	216	1250	6	2
DBC3-80500	80	500	94	90	225	1250	6	3

T CONNECTOR FOR THROUGH CU. CABLE AND TAP CU. TUBE/STUD

DERIVACION EN T PARA CABLE PASANTE CU. Y DERIVADO TUBO/BORNA DE CU.

RACCORD EN T POUR CABLE CU. TRAVERSANT ET DÉRIVÉ TUBE/BORNE CU.



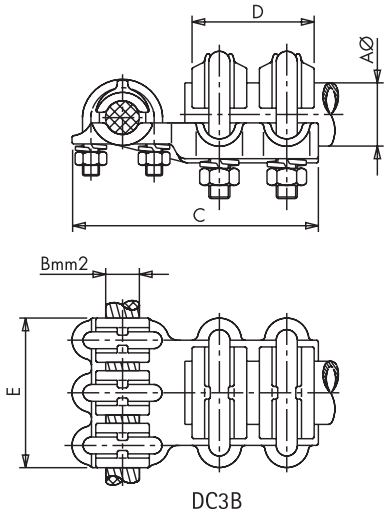
DCB

Referencia / Code / Référence	A ø	mm²	mm.				Par de apriete / Tightening torque / Couple de serrage (kg.m)	
		B	C	D	E	INT	A	B
DCB-50060	60	500	159	62	80	1250	3	3
DCB-40060	60	300-400	151	55	80	800	3	2
DCB-15060	60	95-150	141	47	80	400	3	2
DCB-50050	50	500	154	62	75	1250	3	3
DCB-40050	50	300-400	148	55	75	800	3	2
DCB-15050	50	95-150	136	47	75	400	3	2
DCB-50040	40	500	147	62	67	1250	3	3
DCB-40040	40	300-400	138	55	67	800	3	2
DCB-15040	40	95-150	126	47	67	400	3	2
DCB-50030	30	500	140	62	62	1250	3	3
DCB-40030	30	300-400	130	55	62	800	3	2
DCB-15030	30	95-150	117	47	62	400	3	2

T CONNECTOR FOR THROUGH CU. CABLE AND TAP CU. TUBE/STUD

DERIVACION EN T PARA CABLE PASANTE CU. Y DERIVADO TUBO/BORNA DE CU.

RACCORD EN T POUR CABLE CU. TRAVERSANT ET DÉRIVÉ TUBE/BORNE CU.



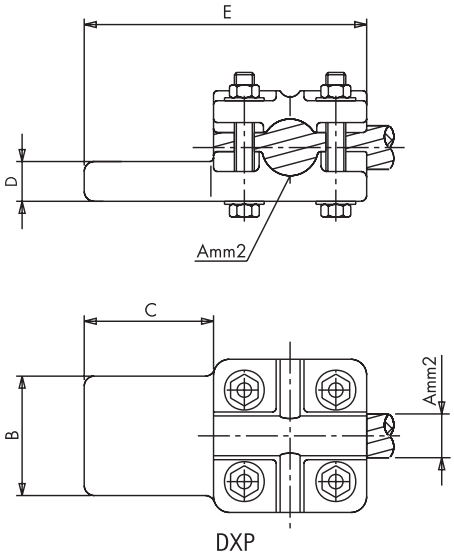
DC3B

Referencia Code Référence	A ø	mm²	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
		B	C	D	E	INT	A	B
DC3B-50060	60	500	159	80	93	1250	3	3
DC3B-40060	60	300-400	151	80	83	800	3	2
DC3B-25060	60	180-250	150	80	78	600	3	2
DC3B-15060	60	95-150	141	80	72	400	3	2
DC3B-50050	50	500	154	75	93	1250	3	3
DC3B-40050	50	300-400	148	75	83	800	3	2
DC3B-25050	50	180-250	145	75	78	600	3	2
DC3B-15050	50	95-150	136	75	72	400	3	2
DC3B-50040	40	500	147	67	93	1250	3	3
DC3B-40040	40	300-400	138	67	83	800	3	2
DC3B-25040	40	180-250	135	67	78	600	3	2
DC3B-15040	40	95-150	126	67	72	400	3	2
DC3B-50030	30	500	140	62	93	1250	3	3
DC3B-40030	30	300-400	130	62	83	800	3	2
DC3B-25030	30	180-250	126	62	78	600	3	2
DC3B-15030	30	95-150	117	92	72	400	3	2
DC3B-15025	25	95-150	106	55	72	400	2	2
DC3B-15020	20	95-150	97	52	72	400	2	2

STRAIGHT OR T CONNECTOR FOR CU. CABLE TO FLATBAR

CONEXIÓN RECTA O DERIVACIÓN PARA CABLE CU. A PLETINA

RACCORD DROIT OU DÉRIVÉ POUR CABLE CU. À BARRE MÈPLATE



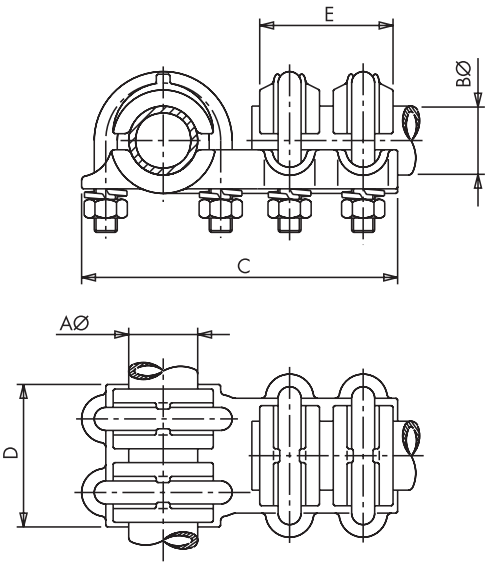
DXP

Referencia Code Référence	mm²	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)
	A	Aø	B	C	D	E	
DXP-3444	50-630	9,5-33	60	60	15	140	3
DXP-3355	50-630	9,5-33	80	80	15	160	3
DXP-3366	50-630	9,5-33	100	100	15	180	3

T CONNECTOR THROUGH CU. TUBE AND TAP TO CU. TUBE

DERIVACION EN T TUBO CU. PASANTE Y DERIVADO A TUBO CU.

RACCORD EN T TUBE CU. TRAVERSANT ET DÉRIVÉ À TUBE CU.



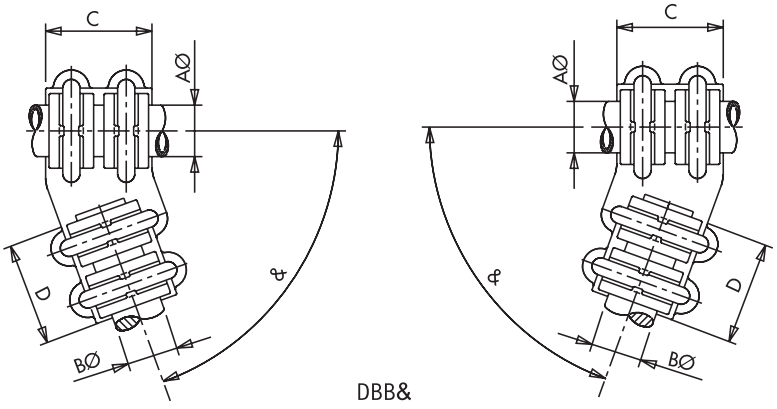
DBB

Referencia / Code / Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
DBB-2020	20	20	105	52	52	2	2
DBB-2025	20	25	108	52	55	2	2
DBB-2030	20	30	117	52	62	2	3
DBB-2525	25	25	125	55	55	2	2
DBB-2530	25	30	130	55	62	2	3
DBB-2540	25	40	138	55	67	2	3
DBB-3030	30	30	140	62	62	3	3
DBB-3040	30	40	147	62	67	3	3
DBB-3050	30	50	154	62	75	3	3
DBB-3060	30	60	159	62	80	3	3
DBB-4030	40	30	150	67	62	3	3
DBB-4040	40	40	155	67	67	3	3
DBB-4050	40	50	168	67	75	3	3
DBB-4060	40	60	174	67	80	3	3
DBB-5030	50	30	162	75	62	3	3
DBB-5040	50	40	172	75	67	3	3
DBB-5050	50	50	180	75	75	3	3
DBB-5060	50	60	186	75	80	3	3
DBB-6030	60	30	176	80	62	3	3
DBB-6040	60	40	180	80	67	3	3
DBB-6050	60	50	190	80	75	3	3
DBB-6060	60	60	195	80	80	3	3

ANGLE CONNECTOR CU. TUBE TO CU. STUD

DERIVACION EN ANGULO DE TUBO A BORNA CU.

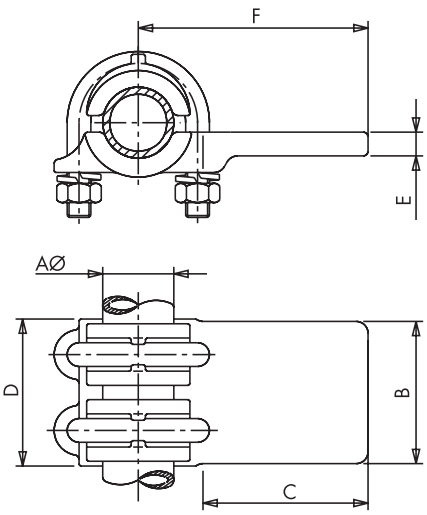
RACCORD EN ANGLE TUBE CU. À BORNE CU.



DBB&

Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	A	B
DBB&-2525	25	25	55	55	2	2
DBB&-3025	30	25	62	55	3	2
DBB&-3030	30	30	62	62	3	3
DBB&-4025	40	25	67	55	3	2
DBB&-4030	40	30	67	62	3	3
DBB&-4040	40	40	67	67	3	3
DBB&-4525	45	25	75	55	3	2
DBB&-4530	45	30	75	62	3	3
DBB&-5025	50	25	75	55	3	2
DBB&-5030	50	30	75	62	3	3
DBB&-6025	60	25	80	55	3	2
DBB&-6030	60	30	80	62	3	3

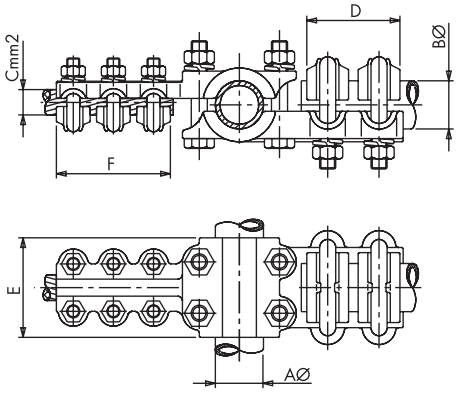
NOTA: OTROS ANGULOS A INDICAR
NOTE: SPECIFY ANOTHER ANGLES
NOTA: D´AUTRES ANGLES À PRECISER



DBP

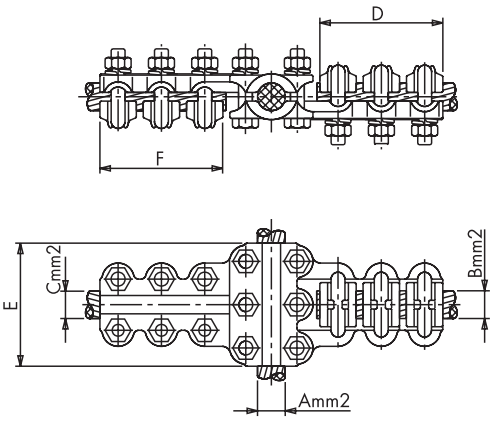
Referencia Code Référence	mm.							Par de apriete Tightening torque Couple de serrage (kg.m)
	A ø	B	C	D	E	F	INT	
DBP-2022	20	40	40	52	10	70	400	2
DBP-2033	20	50	50	52	10	70	400	2
DBP-2522	25	40	40	55	10	74	600	2
DBP-2533	25	50	50	55	10	84	600	2
DBP-3022	30	40	40	62	10	85	900	3
DBP-3033	30	50	50	62	10	95	900	3
DBP-3035	30	50	80	62	10	125	900	3
DBP-3044	30	60	60	62	10	105	900	3
DBP-3046	30	60	100	62	10	145	900	3
DBP-3055	30	80	80	62	10	125	900	3
DBP-3066	30	100	100	62	10	145	900	3
DBP-4033	40	50	50	67	12	99	1000	3
DBP-4035	40	50	80	67	12	129	1000	3
DBP-4044	40	60	60	67	12	109	1000	3
DBP-4055	40	80	80	67	12	129	1000	3
DBP-4066	40	100	100	67	12	149	1000	3
DBP-5033	50	50	50	75	12	106	1250	3
DBP-5035	50	50	80	75	12	136	1250	3
DBP-5044	50	60	60	75	12	116	1250	3
DBP-5055	50	80	80	75	12	136	1250	3
DBP-5066	50	100	100	75	12	156	1250	3
DBP-6044	60	60	60	80	13	121	1250	3
DBP-6055	60	80	80	80	13	141	1250	3
DBP-6066	60	100	100	80	13	161	1250	3

T CONNECTOR THROUGH CU. TUBE/STUD AND TAP CU. TUBE/STUD TO CU. CABLE
DERIVACION EN CRUZ PARA TUBO/BORNA PASANTE Y DERIVADO TUBO/BORNA CU. A CABLE CU.
RACCORD EN T POUR TUBE/BORNE CU. TRAVERSANT ET DÉRIVÉ TUBE/BORNE CU. À CABLE CU.



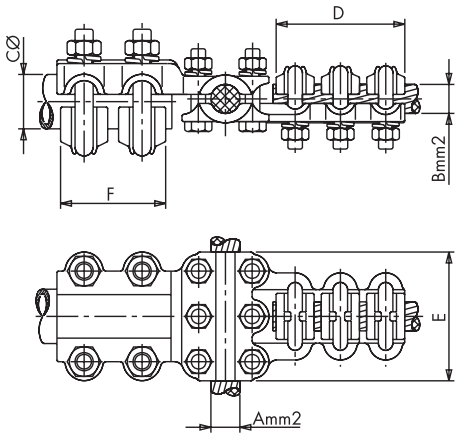
DXBBC

Referencia Code Référence	A ø	B ø	mm²	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)		
			C	D	E	F	A	B	C
DXBBC-3030150	30	30	95-150	62	62	73	3	3	2
DXBBC-3040250	30	40	180-250	62	67	80	3	3	2
DXBBC-3050400	30	50	300-400	62	75	85	3	3	2
DXBBC-3060500	30	60	500	62	80	94	3	3	3
DXBBC-4030150	40	30	95-150	67	62	73	3	3	2
DXBBC-4040250	40	40	180-250	67	67	80	3	3	2
DXBBC-4050400	40	50	300-400	67	75	85	3	3	2
DXBBC-4060500	40	60	500	67	80	94	3	3	3
DXBBC-5030150	50	30	95-150	75	62	73	3	3	2
DXBBC-5040250	50	40	180-250	75	67	80	3	3	2
DXBBC-5050400	50	50	300-400	75	75	85	3	3	2
DXBBC-5060500	50	60	500	75	80	94	3	3	3
DXBBC-6030150	60	30	95-150	80	62	73	3	3	2
DXBBC-6040250	60	40	180-250	80	67	80	3	3	2
DXBBC-6050400	60	50	300-400	80	75	85	3	3	2
DXBBC-6060500	60	60	500	80	80	94	3	3	3



DXCCC

Referencia Code Référence	mm.2			mm.			Par de apriete Tightening torque Couple de serrage (kg.m)		
	A	B	C	D	E	F	A	B	C
DXCCC-150150150	95-150	95-150	95-150	73	73	73	2	2	2
DXCCC-150250150	95-150	180-250	95-150	80	73	73	2	2	2
DXCCC-150400150	95-150	300-400	95-150	85	73	73	2	2	2
DXCCC-150500150	95-150	500	95-150	94	73	73	2	3	2
DXCCC-250150150	180-250	95-150	95-150	73	80	73	2	2	2
DXCCC-250250150	180-250	180-250	95-150	80	80	73	2	2	2
DXCCC-250400150	180-250	300-400	95-150	85	80	73	2	2	2
DXCCC-250500150	180-250	500	95-150	94	80	73	2	3	2
DXCCC-400150150	300-400	95-150	95-150	73	85	73	2	2	2
DXCCC-400250150	300-400	180-250	95-150	80	85	73	2	2	2
DXCCC-400400150	300-400	300-400	95-150	85	85	73	2	2	2
DXCCC-400500150	300-400	500	95-150	94	85	73	2	3	2
DXCCC-500150150	500	95-150	95-150	73	94	73	3	2	2
DXCCC-500250150	500	180-250	95-150	80	94	73	3	2	2
DXCCC-500400150	500	300-400	95-150	85	94	73	3	2	2
DXCCC-500500150	500	500	95-150	94	94	73	3	3	2



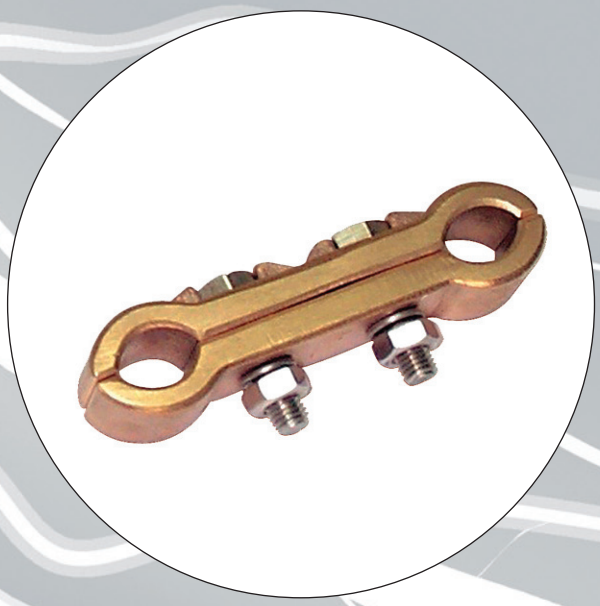
DXCCB

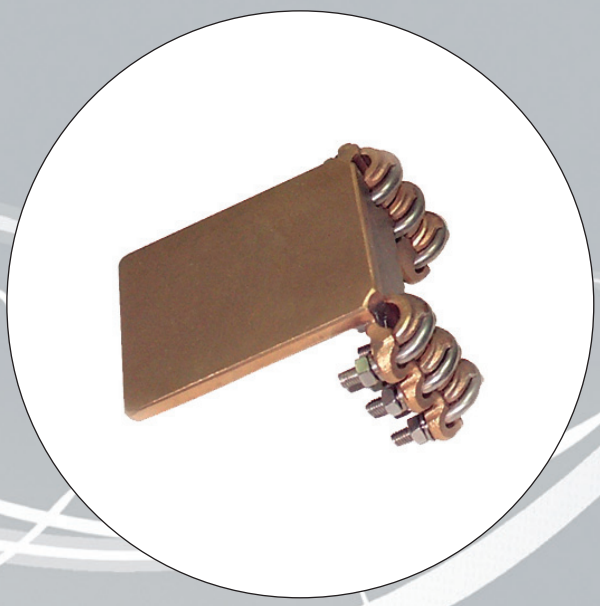
Referencia Code Référence	mm²			mm.			Par de apriete Tightening torque Couple de serrage (kg.m)		
	A	B	C(ø)	D	E	F	A	B	C
DXCCB-15015030	95-150	95-150	30	73	73	62	2	2	3
DXCCB-15025040	95-150	180-250	40	81	73	67	2	2	3
DXCCB-15040050	95-150	300-400	50	85	73	75	2	2	3
DXCCB-15050060	95-150	500	60	94	73	80	2	3	3
DXCCB-25015030	180-250	95-150	30	73	80	62	2	2	3
DXCCB-25025040	180-250	180-250	40	80	80	67	2	2	3
DXCCB-25040050	180-250	300-400	50	85	80	75	2	2	3
DXCCB-25050060	180-250	500	60	94	80	80	2	3	3
DXCCB-40015030	300-400	95-150	30	73	85	62	2	2	3
DXCCB-40025040	300-400	180-250	40	80	85	67	2	2	3
DXCCB-40040050	300-400	300-400	50	85	85	75	2	2	3
DXCCB-40050060	300-400	500	60	94	85	80	2	3	3
DXCCB-50015030	500	95-150	30	73	94	62	3	2	3
DXCCB-50025040	500	180-250	40	80	94	67	3	2	3
DXCCB-50040050	500	300-400	50	85	94	75	3	2	3
DXCCB-50050060	500	500	60	94	94	80	3	3	3




Powering Progress

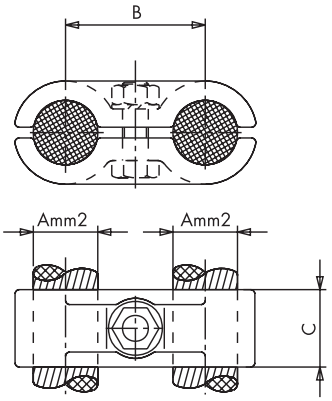
Duplex Connectors
Conectores Duplex
Raccords Duplex





CONECTOR DUPLEX

RACCORD DUPLEX



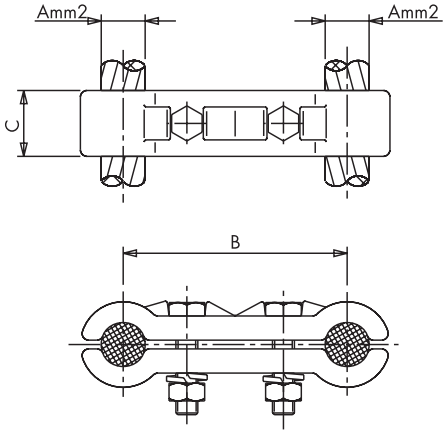
U.6

Referencia Code Référence	mm²	mm		Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	
U.6-250	180-250	60	35	5
U.6-400	300-400	60	35	5
U.6-500	500	60	35	5

SPACER DUPLEX CU. CABLE

SEPARADOR CABLE DUPLEX CU.

ENTRETOISE CABLE DUPLEX CU.



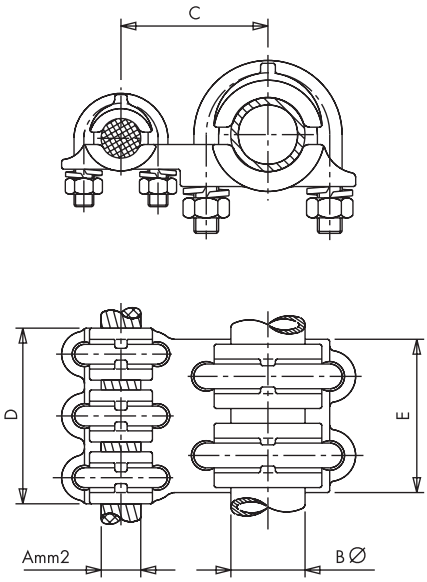
UD

Referencia Code Référence	mm²	mm		Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	
UD.1-250	180-250	100	30	3
UD.1-400	300-400	100	30	3
UD.1-500	500	100	30	3
UD.15-250	180-250	150	30	3
UD.15-400	300-400	150	30	3
UD.15-500	500	150	30	3

PARALLEL CONNECTOR FOR CU. TUBE AND CU. CABLE

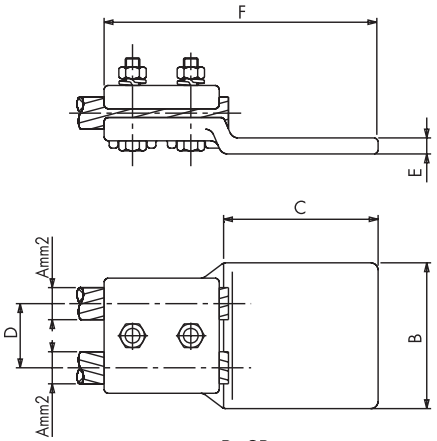
CONECTOR PARALELO PARA TUBO CU. Y CABLE CU.

BLOC DOUBLEMENT POUR TUBE CU. ET CABLE CU.



UBC

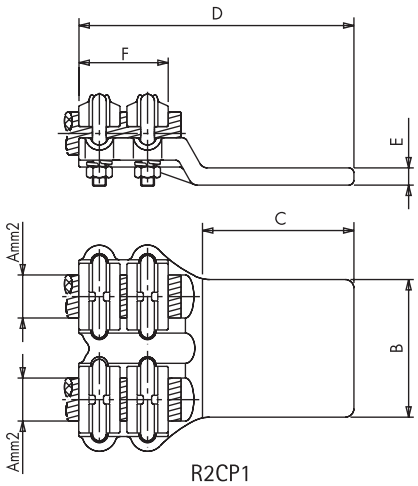
Referencia Code Référence	mm²	mm				Par de apriete Tightening torque Couple de serrage (kg.m)	
	A	Bø	C	D	E	A	B
UBC-30150	95-150	30	64	73	62	2	3
UBC-30250	180-250	30	66	80	62	2	3
UBC-30400	300-400	30	70	85	62	2	3
UBC-30500	500	30	76	94	62	3	3
UBC-40150	95-150	40	69	73	67	2	3
UBC-40250	180-250	40	71	80	67	2	3
UBC-40400	300-400	40	75	85	67	2	3
UBC-40500	500	40	81	94	67	3	3
UBC-50150	95-150	50	77	73	75	2	3
UBC-50250	180-250	50	79	80	75	2	3
UBC-50400	300-400	50	83	85	75	2	3
UBC-50500	500	50	89	94	75	3	3
UBC-60150	95-150	60	82	73	80	2	3
UBC-60250	180-250	60	84	80	80	2	3
UBC-60400	300-400	60	88	85	80	2	3
UBC-60500	500	60	94	94	80	3	3



R2CP

Referencia Code Référence	mm²	mm					Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D	E	F	
R2CP-15055	95-150	80	80	40	10	185	3
R2CP-15066	95-150	100	100	40	10	185	3
R2CP-25055	180-250	80	80	40	10	185	3
R2CP-25066	180-250	100	100	40	10	185	3
R2CP-40055	300-400	80	80	40	10	185	3
R2CP-40066	300-400	100	100	40	10	185	3

DUPLEX CONNECTOR CU. CABLES TO CU. FLATBAR
CONECTOR DUPLEX CABLES CU. A PLETINA CU.
RACCORD DUPLEX CABLES CU. À BARRE MÉPLATE CU.

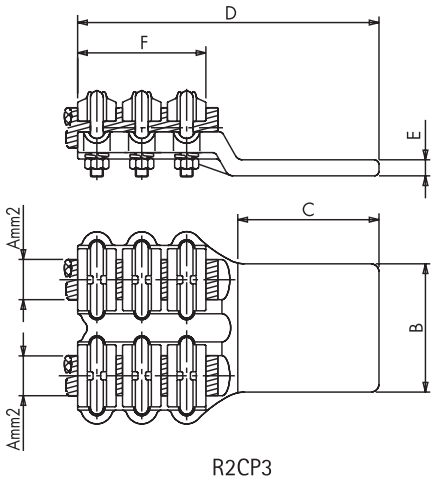


R2CP1

Referencia Code Référence	mm²	mm					Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D	E	F	
R2CPI-15044	95-150	60	60	120	8	47	2
R2CPI-15055	95-150	80	80	160	8	47	2
R2CPI-15066	95-150	100	100	160	8	47	2
R2CPI-25044	180-250	60	60	127	9	52	2
R2CPI-25055	180-250	80	80	167	9	52	2
R2CPI-25066	180-250	100	100	167	9	52	2
R2CPI-40044	300-400	60	60	150	10	55	2
R2CPI-40055	300-400	80	80	170	10	55	2
R2CPI-40066	300-400	100	100	170	10	55	2
R2CPI-50044	500	60	60	140	10	62	3
R2CPI-50055	500	80	80	180	10	62	3
R2CPI-50066	500	100	100	180	10	62	2

CONECTOR DUPLEX CABLES CU. A PLETINA CU.

RACCORD DUPLEX CABLES CU. À BARRE MÉPLATE CU.



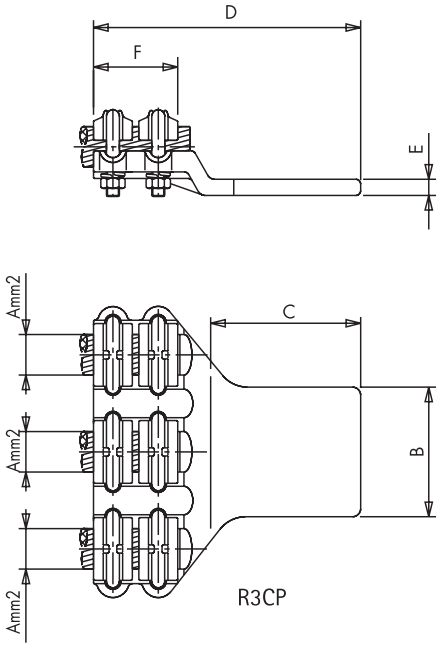
R2CP3

Referencia Code Référence	mm²	mm					Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D	E	F	
R2CP3-15044	95-150	60	60	152	8	73	2
R2CP3-15055	95-150	80	80	186	8	73	2
R2CP3-15066	95-150	100	100	186	8	73	2
R2CP3-25044	180-250	60	60	155	9	80	2
R2CP3-25055	180-250	80	80	195	9	80	2
R2CP3-25066	180-250	100	100	195	9	80	2
R2CP3-40044	300-400	60	60	160	10	85	2
R2CP3-40055	300-400	80	80	200	10	85	2
R2CP3-40066	300-400	100	100	200	10	85	2
R2CP3-50044	500	60	60	172	10	94	3
R2CP3-50055	500	80	80	212	10	94	3
R2CP3-50066	500	100	100	212	10	94	3

STRAIGHT CONNECTOR FOR 3 CU. CABLES TO FLATBAR

CONECTOR RECTO PARA 3 CABLES CU. A PLETINA

RACCORD DROIT POUR 3 CABLES CU. À BARRE MÉPLATE



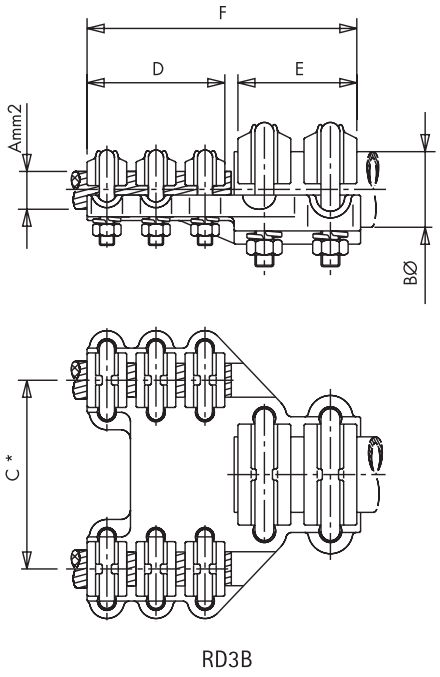
R3CP

Referencia Code Référence	mm²	mm					Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D	E	F	
R3CP-15055	95-150	80	80	160	8	47	2
R3CP-15066	95-150	100	100	160	8	47	2
R3CP-25055	180-250	80	80	167	9	52	2
R3CP-25066	180-250	100	100	167	9	52	2
R3CP-40055	300-400	80	80	170	10	55	2
R3CP-40066	300-400	100	100	170	10	55	2
R3CP-50055	500	80	80	180	10	62	3
R3CP-50066	500	100	100	180	10	62	3

STRAIGHT CONNECTOR DUPLEX CU. CABLE TO CU. TUBE/STUD

CONECTOR RECTO CABLE DUPLEX CU. A TUBO/BORNA CU.

RACCORD DROIT CABLE DUPLEX CU. À TUBE/BORNE CU.



RD3B

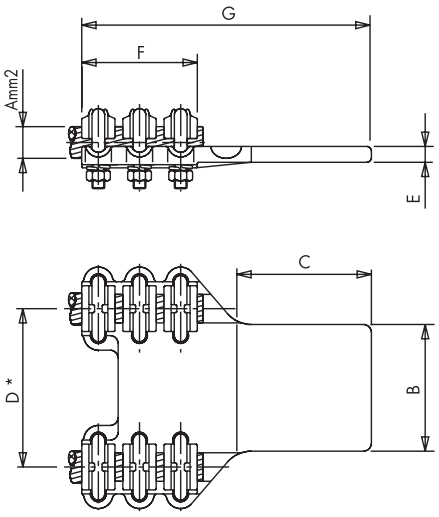
Referencia / Code / Référence	mm²	mm					Par de apriete Tightening torque Couple de serrage (kg.m)	
	A	Bø	C*	D	E	F	A	B
RD3B.* -15030	95-150	30	SEGUN NOTA	73	62	150	2	3
RD3B.* -15040	95-150	40		73	67	155	2	3
RD3B.* -15050	95-150	50		73	75	163	2	3
RD3B.* -15060	95-150	60		73	80	165	2	3
RD3B.* -25030	185-250	30		80	62	157	2	3
RD3B.* -25040	185-250	40		80	67	162	2	3
RD3B.* -25050	185-250	50		80	75	170	2	3
RD3B.* -25060	185-250	60		80	80	175	2	3
RD3B.* -40030	300-400	30		85	62	162	2	3
RD3B.* -40040	300-400	40		85	67	167	2	3
RD3B.* -40050	300-400	50		85	75	175	2	3
RD3B.* -40060	300-400	60		85	80	180	2	3
RD3B.* -50030	500	30		94	62	171	3	3
RD3B.* -50040	500	40		94	67	176	3	3
RD3B.* -50050	500	50		94	75	183	3	3
RD3B.* -50060	500	60		94	80	190	3	3

NOTA: SEPARACION ENTRE CABLES *1=100mm / *15=150mm
NOTE: SPACE BETWEEN CABLES *1=100mm / *15=150mm
NOTE: ÉCARTEMENT DES CABLES *1=100mm / *15=150mm

DUPLEX CU. STRAIGHT CONNECTOR TO CU. FLATBAR

CONECTOR RECTO DUPLEX CU. A PLETINA CU.

RACCORD DROIT DUPLEX CU. À BARRE MÉPLATE CU.



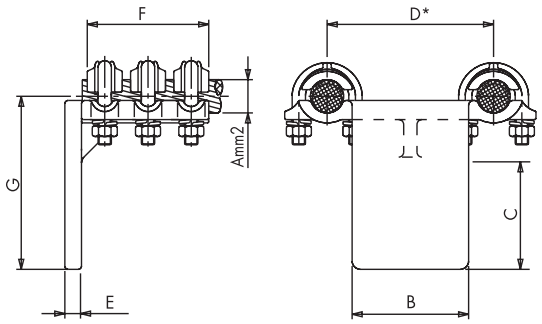
RD3P

Referencia / Code / Référence	mm²	mm							Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D*	E	F	G		
RD3P.* -15044	95-150	60	60	SEGUN NOTA	8	73	143		2
RD3P.* -15055	95-150	80	80		8	73	163		2
RD3P.* -15066	95-150	100	100		8	73	183		2
RD3P.* -25044	185-250	60	60		8	80	150		2
RD3P.* -25055	185-250	80	80		8	80	170		2
RD3P.* -25066	185-250	100	100		8	80	190		2
RD3P.* -40044	300-400	60	60		10	85	155		2
RD3P.* -40055	300-400	80	80		10	85	175		2
RD3P.* -40066	300-400	100	100		10	85	195		2
RD3P.* -50044	500	60	60		12	94	164		3
RD3P.* -50055	500	80	80		12	94	184		3
RD3P.* -50066	500	100	100		12	94	204		3

NOTA: SEPARACION ENTRE CABLES *1=100mm / *15=150mm
NOTE: SPACE BETWEEN CABLES *1=100mm / *15=150mm
NOTE: ÉCARTEMENT DES CABLES *1=100mm / *15=150mm

CONECTOR A 90º CABLE DUPLEX CU. A PLETINA CU.

RACCORD À 90º CABLE DUPLEX CU. À BARRE MÉPLATE CU.



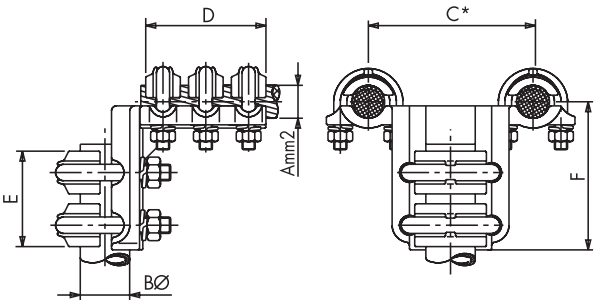
LD3P

Referencia / Code / Référence	mm²	mm						Par de apriete / Tightening torque / Couple de serrage (kg.m)
	A	B	C	D*	E	F	G	
LD3P.* -15044	95-150	60	60	SEGUN NOTA	8	73	94	2
LD3P.* -15055	95-150	80	80		8	73	114	2
LD3P.* -15066	95-150	100	100		8	73	134	2
LD3P.* -25044	185-250	60	60		8	80	96	2
LD3P.* -25055	185-250	80	80		9	80	116	2
LD3P.* -25066	185-250	100	100		9	80	136	2
LD3P.* -40044	300-400	60	60		10	85	97	2
LD3P.* -40055	300-400	80	80		10	85	117	2
LD3P.* -40066	300-400	100	100		10	85	137	2
LD3P.* -50044	500	60	60		12	94	98	3
LD3P.* -50055	500	80	80		12	94	118	3
LD3P.* -50066	500	100	100		12	94	138	3

NOTA: SEPARACION ENTRE CABLES *1=100mm / *15=150mm
NOTE: SPACE BETWEEN CABLES *1=100mm / *15=150mm
NOTE: ÉCARTEMENT DES CABLES *1=100mm / *15=150mm

CONECTOR A 90º CABLE DUPLEX CU. A TUBO/BORNA CU.

RACCORD À 90º CABLE DUPLEX CU. À TUBE/BORNE CU.



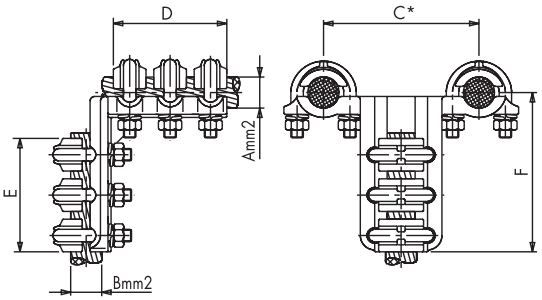
LD3B

Referencia / Code / Référence	mm²	mm					Par de apriete / Tightening torque / Couple de serrage (kg.m)	
	A	Bø	C*	D	E	F	A	B
LD3B.* -15030	95-150	30	SEGUN NOTA	73	62	92	2	3
LD3B.* -15040	95-150	40		73	67	97	2	3
LD3B.* -15050	95-150	50		73	75	105	2	3
LD3B.* -15060	95-150	60		73	80	110	2	3
LD3B.* -25030	185-250	30		80	62	94	2	3
LD3B.* -25040	185-250	40		80	67	99	2	3
LD3B.* -25050	185-250	50		80	75	107	2	3
LD3B.* -25060	185-250	60		80	80	112	2	3
LD3B.* -40030	300-400	30		85	62	97	2	3
LD3B.* -40040	300-400	40		85	67	102	2	3
LD3B.* -40050	300-400	50		85	75	110	2	3
LD3B.* -40060	300-400	60		85	80	115	2	3
LD3B.* -50030	500	30		94	62	107	3	3
LD3B.* -50040	500	40		94	67	112	3	3
LD3B.* -50050	500	50		94	75	120	3	3
LD3B.* -50060	500	60		94	80	125	3	3

NOTA: SEPARACION ENTRE CABLES *1=100mm / *15=150mm
NOTE: SPACE BETWEEN CABLES *1=100mm / *15=150mm
NOTE: ÉCARTEMENT DES CABLES *1=100mm / *15=150mm

CONECTOR A 90º CABLE DUPLEX CU. A CABLE CU.

RACCORD À 90º CABLE DUPLEX CU. À CABLE CU.



LD3C

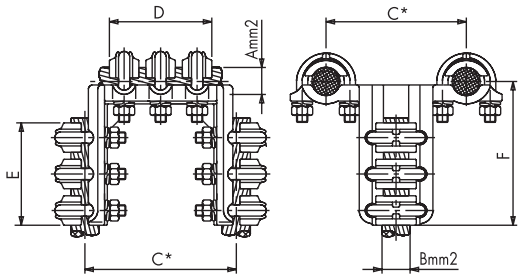
Referencia Code Référence	mm²		mm				Par de apriete Tightening torque Couple de serrage (kg.m)	
	A	B	C*	D	E	F	A	B
LD3C.* -150	95-150	95-150	SEGUN NOTA	73	73	103	2	2
LD3C.* -150250	95-150	185-250		73	80	110	2	2
LD3C.* -150400	95-150	300-400		73	85	115	2	2
LD3C.* -150500	95-150	500		73	94	124	2	3
LD3C.* -250150	185-250	95-150		80	73	105	2	2
LD3C.* -250	185-250	185-250		80	80	112	2	2
LD3C.* -250400	185-250	300-400		80	85	117	2	2
LD3C.* -250500	185-250	500		80	94	126	2	3
LD3C.* -400150	300-400	95-150		85	73	108	2	2
LD3C.* -400250	300-400	185-250		85	80	115	2	2
LD3C.* -400	300-400	300-400		85	85	120	2	2
LD3C.* -400500	300-400	500		85	94	129	2	3
LD3C.* -500150	500	95-150		94	73	118	3	2
LD3C.* -500250	500	185-250		94	80	125	3	2
LD3C.* -500400	500	300-400		94	85	130	3	2
LD3C.* -500	500	500		94	94	139	3	3

NOTA: SEPARACION ENTRE CABLES *1=100mm / *15=150mm
NOTE: SPACE BETWEEN CABLES *1=100mm / *15=150mm
NOTE: ÉCARTEMENT DES CABLES *1=100mm / *15=150mm

L CONNECTOR DUPLEX CABLE TO DUPLEX CABLE

CONECTOR A 90º CABLE DUPLEX A CABLE DUPLEX

RACCORD À 90º CABLE DUPLEX À CABLE DUPLEX



LDX3C

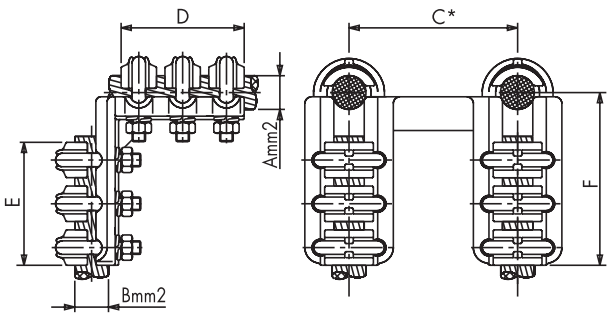
Referencia Code Référence	mm²		mm				Par de apriete Tightening torque Couple de serrage (kg.m)	
	A	B	C*	D	E	F	A	B
LDX3C.* -150	95-150	95-150	SEGUN NOTA	73	73	103	2	2
LDX3C.* -150250	95-150	185-250		73	80	110	2	2
LDX3C.* -150400	95-150	300-400		73	85	115	2	2
LDX3C.* -150500	95-150	500		73	94	124	2	3
LDX3C.* -250150	185-250	95-150		80	73	105	2	2
LDX3C.* -250	185-250	185-250		80	80	112	2	2
LDX3C.* -250400	185-250	300-400		80	85	117	2	2
LDX3C.* -250500	185-250	500		80	94	126	2	3
LDX3C.* -400150	300-400	95-150		85	73	108	2	2
LDX3C.* -400250	300-400	185-250		85	80	115	2	2
LDX3C.* -400	300-400	300-400		85	85	120	2	2
LDX3C.* -400500	300-400	500		85	94	129	2	3
LDX3C.* -500150	500	95-150		94	73	118	3	2
LDX3C.* -500250	500	185-250		94	80	125	3	2
LDX3C.* -500400	500	300-400		94	85	130	3	2
LDX3C.* -500500	500	500		94	94	139	3	3

NOTA: SEPARACION ENTRE CABLES *1=100mm / *15=150mm
NOTE: SPACE BETWEEN CABLES *1=100mm / *15=150mm
NOTE: ÉCARTEMENT DES CABLES *1=100mm / *15=150mm

L CONNECTOR 90º DUPLEX CU. CABLE TO DUPLEX CABLE

CONECTOR A 90º CABLE DUPLEX CU. A CABLE DUPLEX

RACCORD À 90º CABLE DUPLEX CU. À CABLE DUPLEX



LDD3C

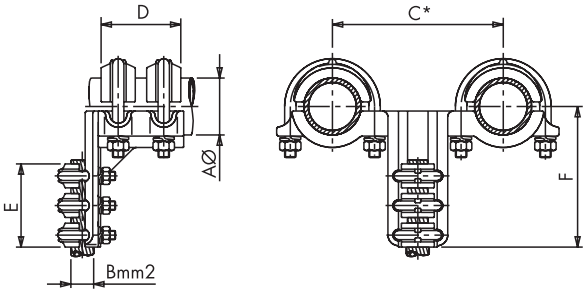
Referencia Code Référence	mm²		mm				Par de apriete Tightening torque Couple de serrage (kg.m)	
	A	B	C*	D	E	F	A	B
LDD3C.* -150	95-150	95-150	SEGUN NOTA	73	73	103	2	2
LDD3C.* -150250	95-150	185-250		73	80	110	2	2
LDD3C.* -150400	95-150	300-400		73	85	115	2	2
LDD3C.* -150500	95-150	500		73	94	124	2	3
LDD3C.* -250150	185-250	95-150		80	73	105	2	2
LDD3C.* -250	185-250	185-250		80	80	112	2	2
LDD3C.* -250400	185-250	300-400		80	85	117	2	2
LDD3C.* -250500	185-250	500		80	94	126	2	3
LDD3C.* -400150	300-400	95-150		85	73	108	2	2
LDD3C.* -400250	300-400	185-250		85	80	115	2	2
LDD3C.* -400	300-400	300-400		85	85	120	2	2
LDD3C.* -400500	300-400	500		85	94	128	2	3
LDD3C.* -500150	500	95-150		94	73	118	3	2
LDD3C.* -500250	500	185-250		94	80	125	3	2
LDD3C.* -500400	500	300-400		94	85	130	3	2
LDD3C.* -500	500	500		94	94	139	3	3

NOTA: SEPARACION ENTRE CABLES *1=100mm / *15=150mm
NOTE: SPACE BETWEEN CABLES *1=100mm / *15=150mm
NOTE: ÉCARTEMENT DES CABLES *1=100mm / *15=150mm

L CONNECTOR DUPLEX CU. TUBES TO CU. CABLE

CONECTOR A 90º TUBOS DUPLEX CU. A CABLE CU.

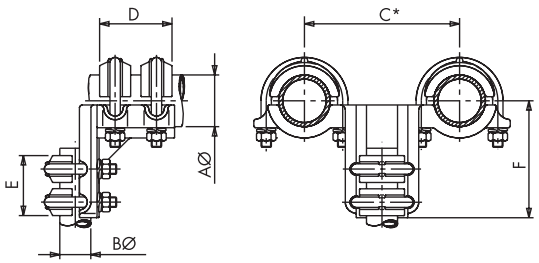
RACCORD À 90º TUBES DUPLEX CU. À CABLE CU.



LDBC3

Referencia Code Référence	Aø	mm²	mm				Par de apriete Tightening torque Couple de serrage (kg.m)	
		B	C*	D	E	F	A	B
LDBC3.* -30150	30	95-150	SEGUN NOTA	62	73	116	3	2
LDBC3.* -30250	30	185-250		62	80	123	3	2
LDBC3.* -30400	30	300-400		62	85	128	3	2
LDBC3.* -30500	30	500		62	94	137	3	3
LDBC3.* -40150	40	95-150		67	73	121	3	2
LDBC3.* -40250	40	185-250		67	80	128	3	2
LDBC3.* -40400	40	300-400		67	85	133	3	2
LDBC3.* -40500	40	500		67	94	142	3	3
LDBC3.* -50150	50	95-150		75	73	128	3	2
LDBC3.* -50250	50	185-250		75	80	135	3	2
LDBC3.* -50400	50	300-400		75	85	140	3	2
LDBC3.* -50500	50	500		75	94	149	3	3

NOTA: SEPARACION ENTRE CABLES *1=100mm / *15=150mm
NOTE: SPACE BETWEEN CABLES *1=100mm / *15=150mm
NOTE: ÉCARTEMENT DES CABLES *1=100mm / *15=150mm



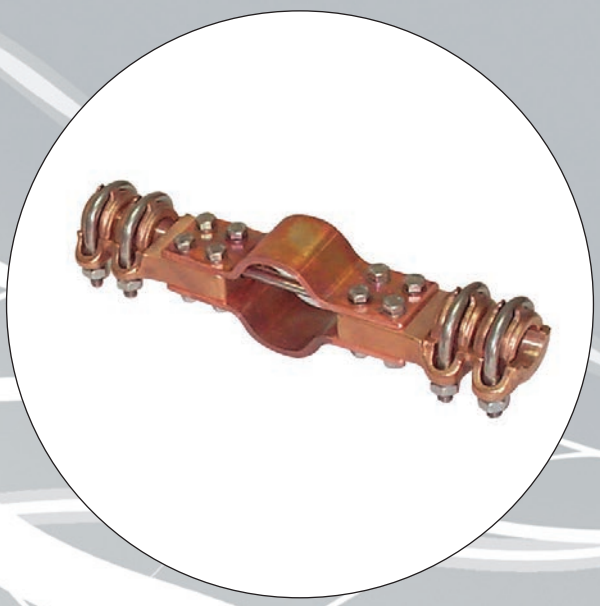
LDBB

Referencia Code Référence	mm						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	Bø	C*	D	E	F	
LDBB.* -3030	30	30	SEGUN NOTA	62	62	105	3
LDBB.* -3040	30	40		62	67	110	3
LDBB.* -3050	30	50		62	75	118	3
LDBB.* -4030	40	30		67	62	110	3
LDBB.* -4040	40	40		67	67	115	3
LDBB.* -4050	40	50		67	75	123	3
LDBB.* -5030	50	30		75	62	117	3
LDBB.* -5040	50	40		75	67	122	3
LDBB.* -5050	50	50		75	75	130	3

NOTA: SEPARACION ENTRE CABLES *1=100mm / *15=150mm
NOTE: SPACE BETWEEN CABLES *1=100mm / *15=150mm
NOTE: ÉCARTEMENT DES CABLES *1=100mm / *15=150mm


Powering Progress

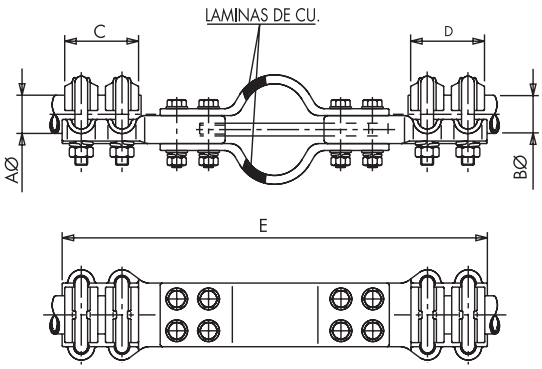
Expansion Connectors
Conectores de Dilatación
Raccords Souples



EXPANSION STRAIGHT CONNECTOR WITH GUIDE FOR CU. TUBES UNION

CONECTOR RECTO DE DILATACIÓN CON GUIA PARA UNIÓN DE TUBOS DE CU.

RACCORD DROIT SOUPLE AVEC GUIDE POUR JONCTION DE TUBES DE CU.



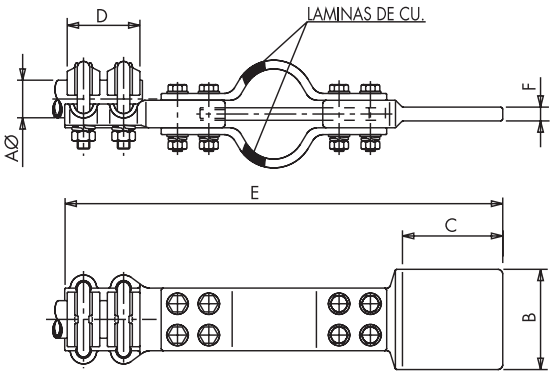
RFBB

Referencia / Code / Référence	m m .					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
RFBB-3020	30	20	62	52	318	3	2
RFBB-3025	30	25	62	55	322	3	2
RFBB-3030	30	30	62	62	335	3	3
RFBB-3040	30	40	62	67	340	3	3
RFBB-3050	30	50	62	75	358	3	3
RFBB-3060	30	60	62	80	360	3	3
RFBB-4025	40	25	67	55	330	3	2
RFBB-4040	40	40	67	67	350	3	3
RFBB-4050	40	50	67	75	363	3	3
RFBB-4060	40	60	67	80	365	3	3
RFBB-5050	50	50	75	75	370	3	3
RFBB-5060	50	60	75	80	372	3	3
RFBB-6060	60	60	80	80	375	3	3

EXPANSION STRAIGHT CONNECTOR WITH GUIDE TUBE TO FLATBAR

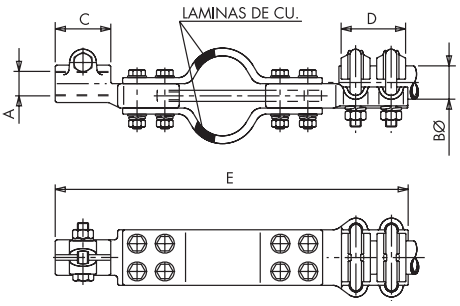
CONECTOR RECTO DE DILATACIÓN CON GUIA DE TUBO A PALA

RACCORD DROIT SOUPLE AVEC GUIDE DE TUBE À BARRE MÉPLATE



RFBP

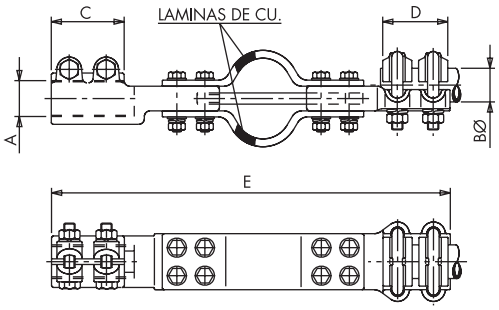
Referencia / Code / Référence	m m .						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	F	
RFBP-2033	20	50	50	52	310	8	2
RFBP-2522	25	40	40	55	303	8	2
RFBP-2533	25	50	50	55	310	8	2
RFBP-2535	25	50	80	55	340	8	2
RFBP-2544	25	60	60	55	320	8	2
RFBP-2555	25	80	80	55	340	8	2
RFBP-3033	30	50	50	62	325	10	3
RFBP-3035	30	50	80	62	355	10	3
RFBP-3044	30	60	60	62	335	10	3
RFBP-3055	30	80	80	62	355	10	3
RFBP-3066	30	100	100	62	375	10	3
RFBP-4033	40	50	50	67	335	10	3
RFBP-4035	40	50	80	67	365	10	3
RFBP-4044	40	60	60	67	345	10	3
RFBP-4055	40	80	80	67	365	10	3
RFBP-4066	40	100	100	67	385	10	3
RFBP-5033	50	50	50	75	345	10	3
RFBP-5035	50	50	80	75	375	10	3
RFBP-5044	50	60	60	75	355	10	3
RFBP-5055	50	80	80	75	375	10	3
RFBP-5066	50	100	100	75	395	10	3
RFBP-6033	60	50	50	80	350	12	3
RFBP-6035	60	50	80	80	380	12	3
RFBP-6044	60	60	60	80	360	12	3
RFBP-6055	60	80	80	80	360	10	3
RFBP-6066	60	100	100	80	400	10	3



RFBRB
FIG. 1

FIG.1

Referencia / Code / Référence	m m .					Par de apriete Tightening torque Couple de serrage (kg.m)
	A	Bø	C	D	E	
RFBRB-M1630	M-16	30	40	62	315	3
RFBRB-M1640	M-16	40	40	67	320	3
RFBRB-M1650	M-16	50	40	75	328	3
RFBRB-M1660	M-16	60	40	80	333	3
RFBRB-M2030	M-20	30	50	62	325	3
RFBRB-M2040	M-20	40	50	67	330	3
RFBRB-M2050	M-20	50	50	75	338	3
RFBRB-M2060	M-20	60	50	80	343	3



RFBRB
FIG. 2

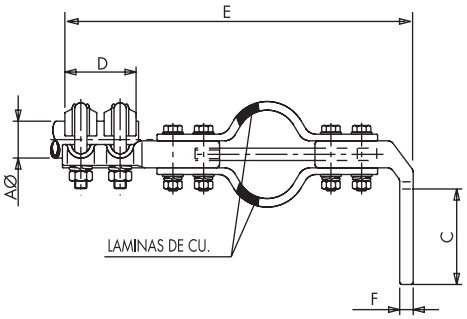
FIG.2

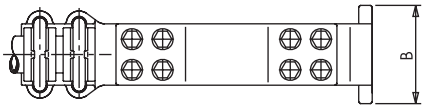
Referencia / Code / Référence	m m .					Par de apriete Tightening torque Couple de serrage (kg.m)
	A	Bø	C	D	E	
RFBRB-M3030	M-30	30	75	62	340	3
RFBRB-M3040	M-30	40	75	67	345	3
RFBRB-M3050	M-30	50	75	75	353	3
RFBRB-M3060	M-30	60	75	80	362	3

90°/45° EXPANSION CONNECTOR WITH GUIDE FOR UNION CU. TUBE TO FLAT

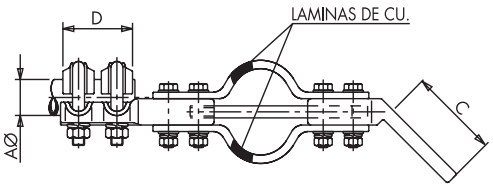
CONECTOR A 90°/45° DE DILATACIÓN CON GUIA PARA UNIÓN TUBO CU. A PALA

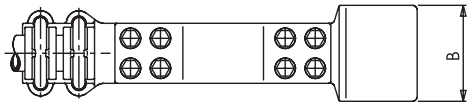
RACCORD À 90°/45° SOUPLE AVEC GUIDE POUR JONCTION TUBE CU. À PLAGE





LFBP





LFBP45

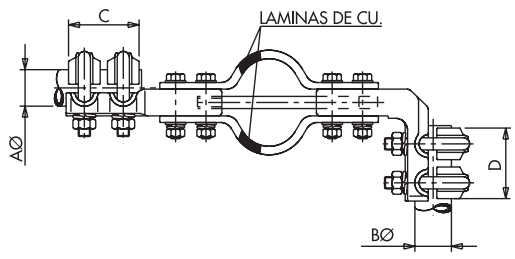
Referencia Code Référence	m m .						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	F	
LFBP-2033	20	50	50	52	268	8	2
LFBP-2522	25	40	40	55	271	8	2
LFBP-2533	25	50	50	55	268	8	2
LFBP-2535	25	50	80	55	268	8	2
LFBP-2544	25	60	60	55	268	8	2
LFBP-2555	25	80	80	55	268	8	2
LFBP-3033	30	50	50	62	285	10	3
LFBP-3035	30	50	80	62	285	10	3
LFBP-3044	30	60	60	62	285	10	3
LFBP-3055	30	80	80	62	285	10	3
LFBP-3066	30	100	100	62	285	10	3
LFBP-4033	40	50	50	67	295	10	3
LFBP-4035	40	50	80	67	295	10	3
LFBP-4044	40	60	60	67	295	10	3
LFBP-4055	40	80	80	67	295	10	3
LFBP-4066	40	100	100	67	295	10	3
LFBP-5033	50	50	50	75	307	12	3
LFBP-5035	50	50	80	75	307	12	3
LFBP-5044	50	60	60	75	305	10	3
LFBP-5055	50	80	80	75	305	10	3
LFBP-5066	50	100	100	75	305	10	3
LFBP-6033	60	50	50	80	312	12	3
LFBP-6035	60	50	80	80	312	12	3
LFBP-6044	60	60	60	80	312	12	3
LFBP-6055	60	80	80	80	310	10	3
LFBP-6066	60	100	100	80	310	10	3

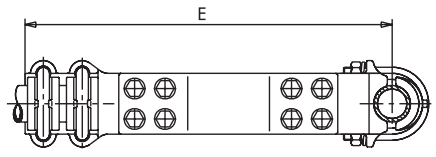
NOTA: OTROS ÁNGULOS A INDICAR
NOTE: SPECIFY ANOTHER ANGLES
NOTE: D'AUTRES ANGLES À PRECISER

EXPANSION L CONNECTOR WITH GUIDE FOR UNION CU. TUBES

CONECTOR A 90º DE DILATACIÓN CON GUIA PARA UNIÓN DE TUBOS DE CU.

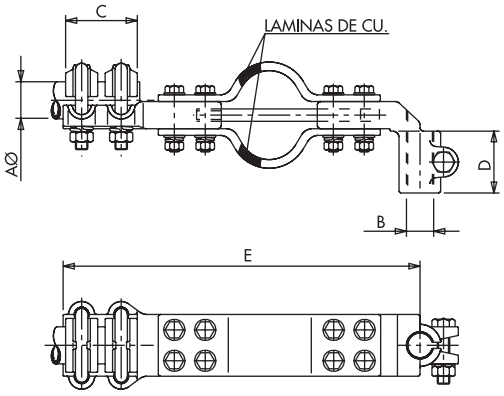
RACCORD EQUERRE SOUPLE AVEC GUIDE POUR JONCTION DE TUBES CU.





LFBB

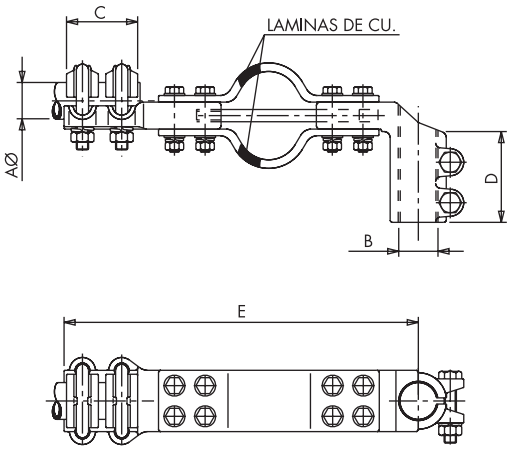
Referencia Code Référence	m m .					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
LFBB-3020	30	20	62	52	282	3	2
LFBB-3025	30	25	62	52	285	3	2
LFBB-3030	30	30	62	62	288	3	3
LFBB-4025	40	25	67	55	292	3	2
LFBB-4030	40	30	67	62	302	3	3
LFBB-4040	40	40	67	67	307	3	3
LFBB-5030	50	30	75	62	320	3	3
LFBB-5040	50	40	75	67	325	3	3
LFBB-6030	60	30	80	62	322	3	3
LFBB-6040	60	40	80	67	325	3	3
LFBB-6050	60	50	80	75	330	3	3



LFBBR
FIG. 1

FIG.1

Referencia Code Référence	m m.					Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	
LFBBR-30M16	30	M-16	62	40	270	3
LFBBR-40M16	40	M-16	67	40	282	3
LFBBR-50M16	50	M-16	75	40	310	3
LFBBR-60M16	60	M-16	80	40	312	3
LFBBR-30M20	30	M-20	62	50	275	3
LFBBR-40M20	40	M-20	67	50	287	3
LFBBR-50M20	50	M-20	75	50	315	3
LFBBR-60M20	60	M-20	80	50	317	3

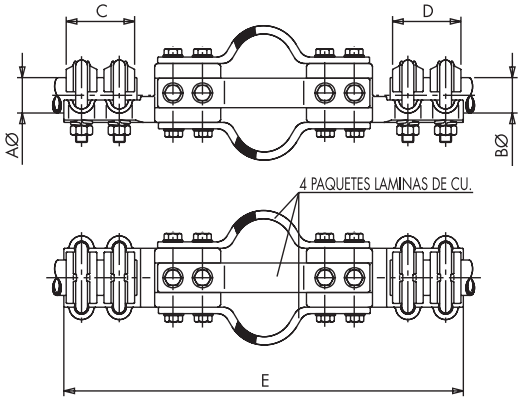


LFBBR
FIG. 2

FIG.2

Referencia Code Référence	m m.					Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	
LFBBR-30M30	30	M-30	62	75	285	3
LFBBR-40M30	40	M-30	67	75	297	3
LFBBR-50M30	50	M-30	75	75	325	3
LFBBR-60M30	60	M-30	80	75	327	3

EXPANSION STRAIGHT CONNECTOR FOR UNION CU. TUBE/STUD TO TUBE
CONECTOR RECTO DE DILATACIÓN PARA UNIÓN TUBO/BORNA CU. A TUBO
RACCORD DROIT SOUPLE POUR JONCTION TUBE/BORNE CU. À TUBE



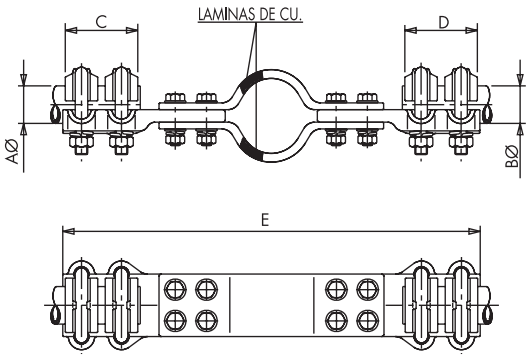
RFBB4

Referencia Code Référence	m m.					Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	Bø	C	D	E	
RFBB4-3030	30	30	62	62	336	3
RFBB4-3040	30	40	62	67	342	3
RFBB4-4040	40	40	67	67	346	3

EXPANSION STRAIGHT CONNECTOR FOR UNION OF CU. TUBES (WITHOUT GUIDE)

CONECTOR RECTO DE DILATACIÓN PARA UNIÓN DE TUBOS CU. (SIN GUIA)

RACCORD DROIT SOUPLE POUR JONCTION DE TUBES CU. (SANS GUIDE)



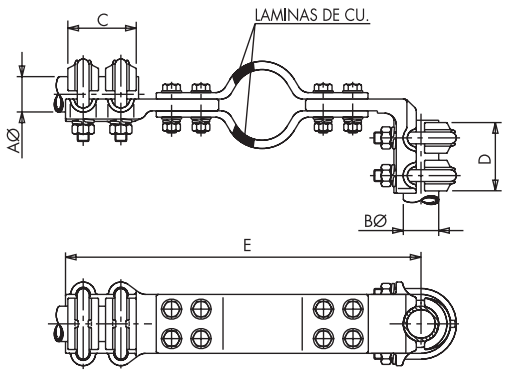
RFBB2

Referencia Code	m m .					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
RFBB2-3020	30	20	62	52	318	3	2
RFBB2-3025	30	25	62	55	322	3	2
RFBB2-3030	30	30	62	62	335	3	3
RFBB2-3040	30	40	62	67	340	3	3
RFBB2-3050	30	50	62	75	358	3	3
RFBB2-3060	30	60	62	80	360	3	3
RFBB2-4025	40	25	67	55	330	3	2
RFBB2-4040	40	40	67	67	350	3	3
RFBB2-4050	40	50	67	75	363	3	3
RFBB2-4060	40	60	67	80	365	3	3
RFBB2-5050	50	50	75	75	370	3	3
RFBB2-5060	50	60	75	80	372	3	3
RFBB2-6060	60	60	80	80	375	3	3

EXPANSION L CONNECTOR FOR UNION OF CU. TUBES (WITHOUT GUIDE)

CONECTOR A 90º DE DILATACIÓN PARA UNIÓN DE TUBOS CU. (SIN GUIA)

RACCORD EQUERRE SOUPLE POUR JONCTION DE TUBES CU. (SANS GUIDE)



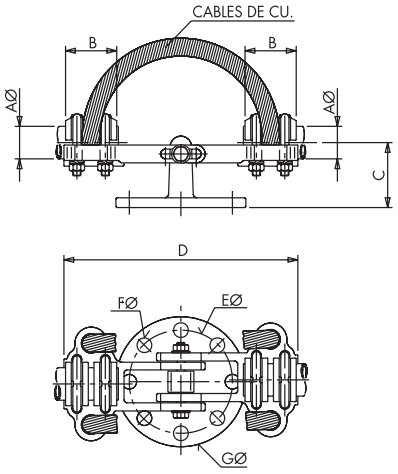
LFBB2

Referencia Code Référence	m m .					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
LFBB2-3020	30	20	62	52	282	3	2
LFBB2-3025	30	25	62	52	285	3	2
LFBB2-3030	30	30	62	62	288	3	3
LFBB2-4025	40	25	67	55	292	3	2
LFBB2-4030	40	30	67	62	302	3	3
LFBB2-4040	40	40	67	67	307	3	3
LFBB2-5030	50	30	75	62	320	3	3
LFBB2-5040	50	40	75	67	325	3	3
LFBB2-6030	60	30	80	62	322	3	3
LFBB2-6040	60	40	80	67	325	3	3
LFBB2-6050	60	50	80	75	330	3	3

EXPANSION SUPPORT FOR UNION CU. TUBES MOUNTED ON INSULATOR

PORTATUBOS DE DILATACIÓN PARA UNIÓN TUBOS CU. MONTADOS SOBRE AISLADOR

SUPPORT À DILATATION POUR JONCTION TUBES CU. SUR PILLARD



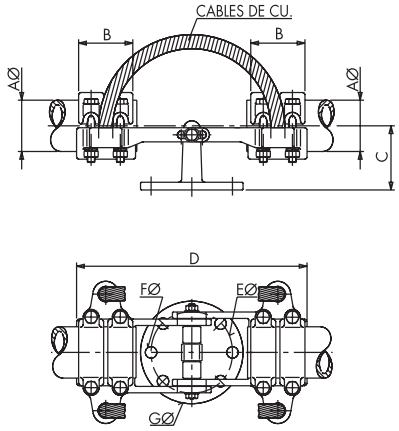
PEFBC

Referencia Code Référence	m m .							Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	Eø	Fø	Gø	
PEFBC-303076	30	62	80	285	76	14	108	3
PEFBC-404076	40	67	80	290	76	14	108	3
PEFBC-505076	50	75	80	300	76	14	108	3
PEFBC-606076	60	80	100	310	76	14	108	3
PEFBC-3030127	30	62	80	285	127	18	158	3
PEFBC-4040127	40	67	80	290	127	18	158	3
PEFBC-5050127	50	75	80	300	127	18	158	3
PEFBC-6060127	60	80	100	310	127	18	158	3

EXPANSION SUPPORT FOR UNION CU. TUBES MOUNTED ON INSULATOR

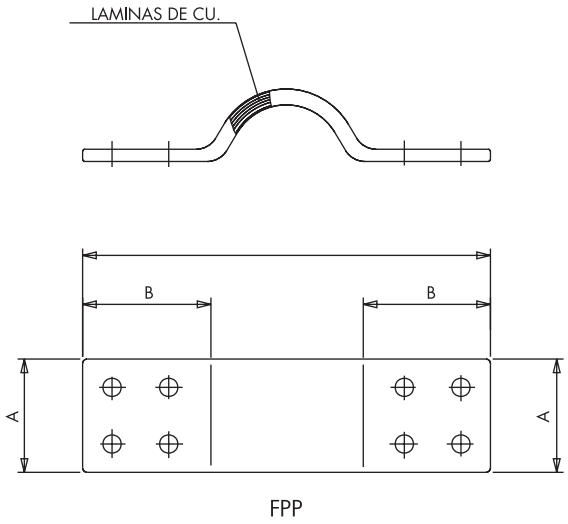
PORTATUBOS DE DILATACIÓN PARA UNIÓN TUBOS CU. MONTADOS SOBRE AISLADOR

SUPPORT À DILATATION POUR JONCTION TUBES CU. SUR PILLARD

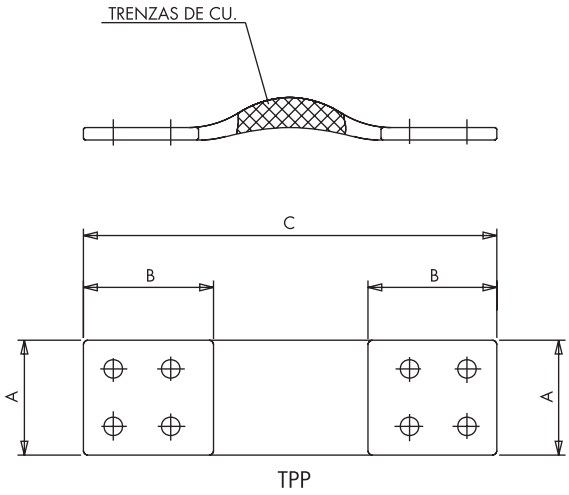


PEFBC

Referencia Code Référence	m m .							Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	Eø	Fø	Gø	
PEFBC-808076	80	90	100	365	76	14	108	5
PEFBC-8080127	80	90	100	365	127	18	158	5

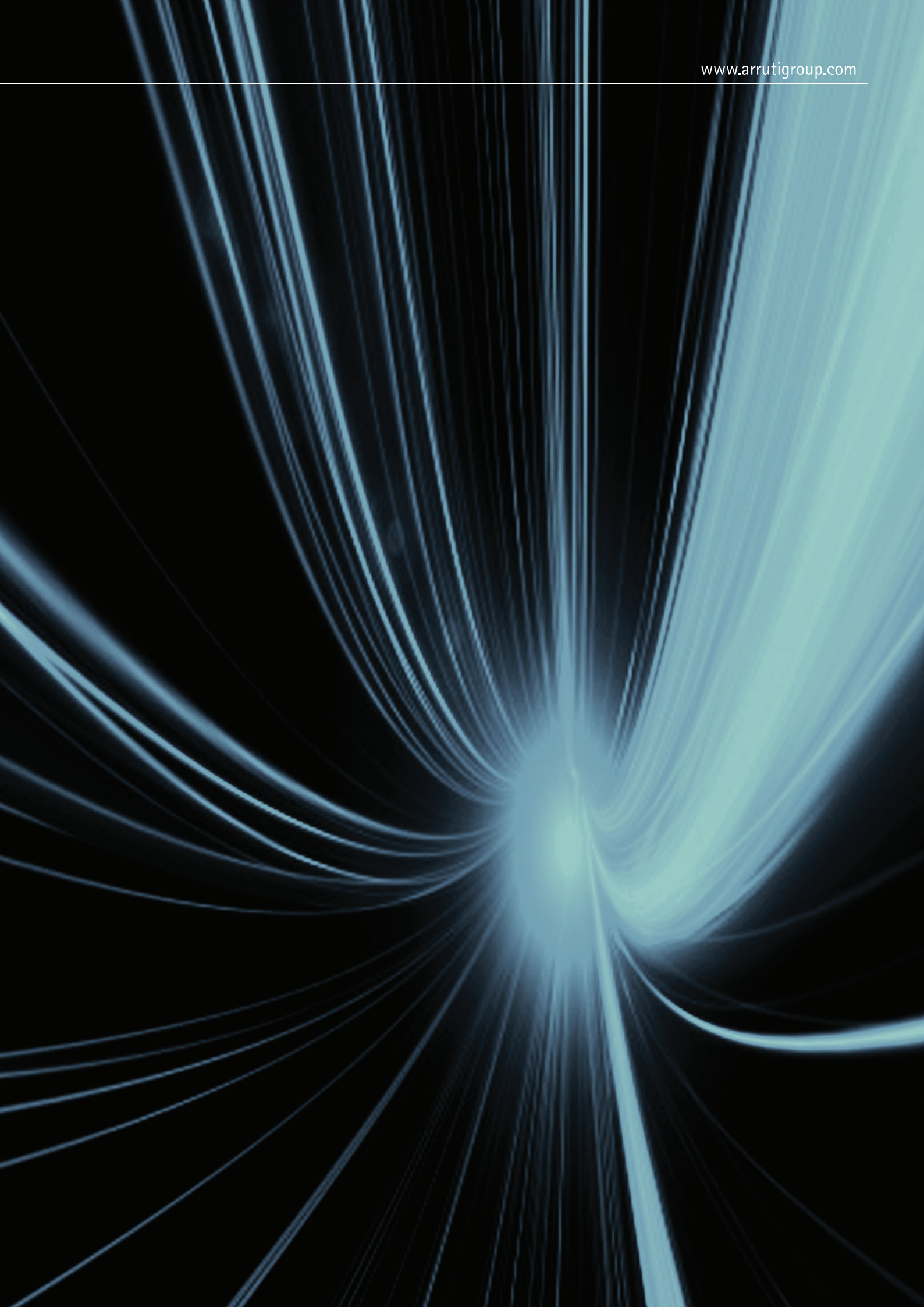


FPP



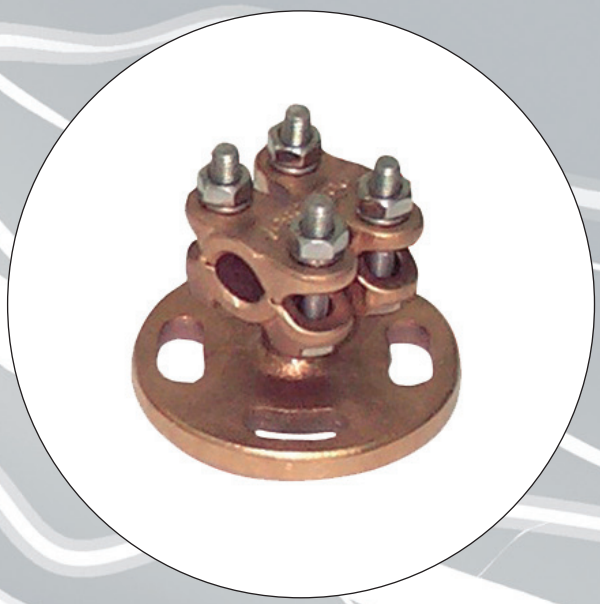
TPP

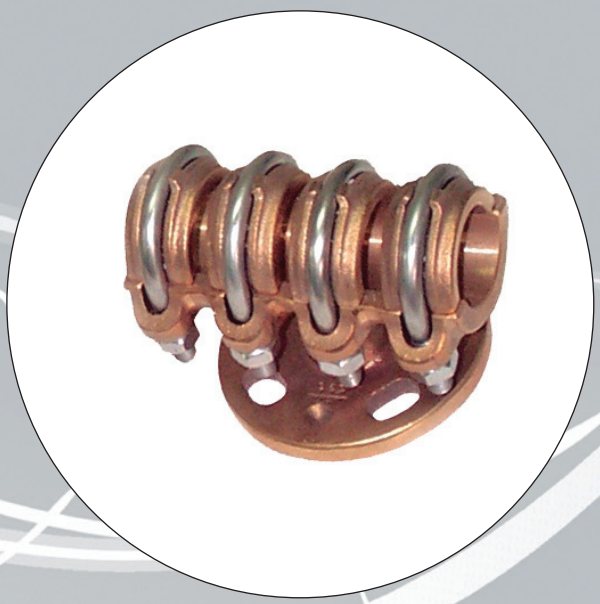
NOTA: A INDICAR COTAS A,B,C, INTENSIDAD NOMINAL Y TALADROS
NOTE: SPECIFY A,B,C, DIMENSIONS, NOMINAL INTENSITY AND DRILLINGS
NOTE: PRECISER COTES A,B,C, INTENSITÉ NOMINAL ET PERCAGE




Powering Progress

Supports
Soportes
Supports

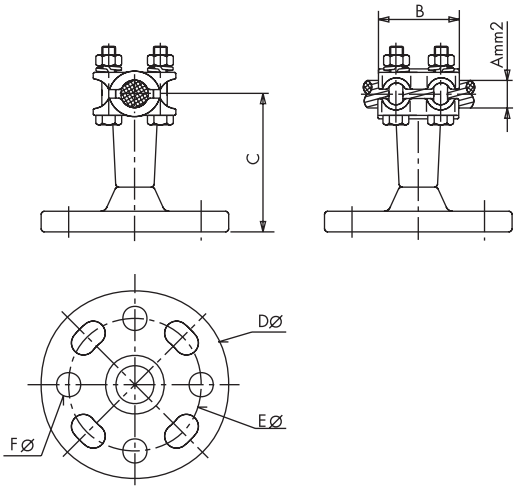




CU. THROUGH CABLE SUPPORT MOUNTED ON INSULATOR

SOPORTE PARA CABLE PASANTE CU. MONTADO SOBRE AISLADOR

SUPPORT POUR CABLE TRANVERSANT SUR PILLARD



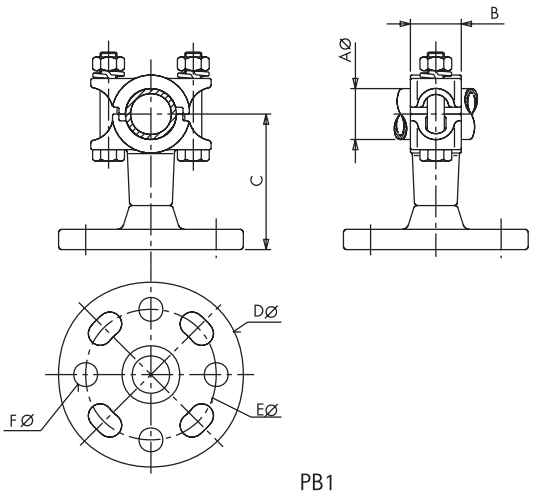
PC

Referencia Code Référence	mm^2	mm					Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	Dø	Eø	Fø	
PC-15076	95-150	48	80	108	76	14	2
PC-25076	180-250	52	80	108	76	14	2
PC-40076	300-400	55	80	108	76	14	2
PC-50076	500	62	80	108	76	14	3
PC-150127	95-150	48	80	158	127	18	2
PC-250127	180-250	52	80	158	127	18	2
PC-400127	300-400	55	80	158	127	18	2
PC-500127	500	62	80	158	127	18	3

FIX/SLIDING SUPPORT FOR CU. TUBE MOUNTED ON INSULATOR

SOPORTE FIJO/DESLIZANTE PARA TUBO CU. MONTADO SOBRE AISLADOR

SUPPORT FIXE/COULISSANT POUR TUBE CU. SUR PILLARD



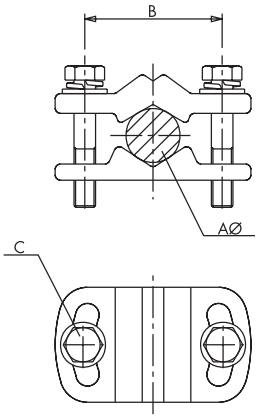
PB1

Referencia Code Référence	mm						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	Dø	Eø	Fø	
PB1-2576	25	28	80	108	76	14	3
PB1-3076	30	30	80	108	76	14	3
PB1-4076	40	32	80	108	76	14	3
PB1-5076	50	36	80	108	76	14	3
PB1-6076	60	39	100	108	76	14	3
PB1-8076	80	42	100	108	76	14	5
PB1-25127	25	28	80	158	127	18	3
PB1-30127	30	30	80	158	127	18	3
PB1-40127	40	32	80	158	127	18	3
PB1-50127	50	36	80	158	127	18	3
PB1-60127	60	39	100	158	127	18	3
PB1-80127	80	42	100	158	127	18	5

TUBE/ROD SUPPORT FOR 15/46 Kv. RIGID INSULATOR

PORTATUBOS/PORTAVARILLAS PARA AISLADOR RIGIDO DE 15/46 Kv.

SERRE TUBES/TIGES POUR ISOLATEUR RIGIDE DE 15/46 Kv.



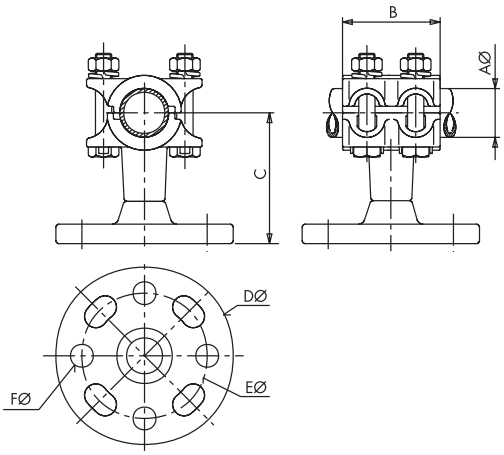
PR

Referencia Code Référence	mm			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	
PR-15/46	10-40	76	M-12	5

SUPPORT FOR CU. TUBE MOUNTED ON INSULATOR

SOPORTE PARA TUBO CU. MONTADO SOBRE AISLADOR

SUPPORT POUR TUBE CU. SUR PILLARD



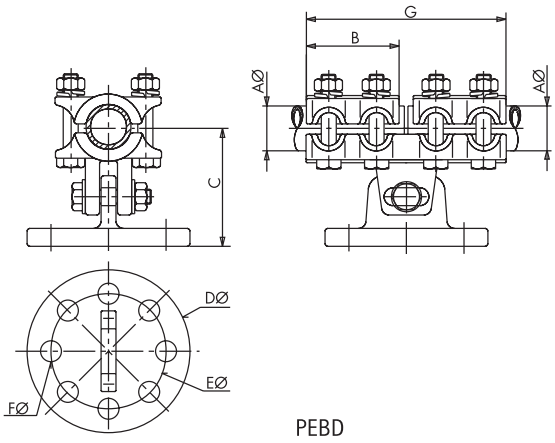
PB

Referencia Code Référence	mm						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	Dø	Eø	Fø	
PB-2576	25	55	80	108	76	14	2
PB-3076	30	62	80	108	76	14	3
PB-4076	40	67	80	108	76	14	3
PB-5076	50	75	80	108	76	14	3
PB-6076	60	80	100	108	76	14	3
PB-8076	80	90	100	108	76	14	5
PB-25127	25	55	80	158	127	18	2
PB-30127	30	62	80	158	127	18	3
PB-40127	40	67	80	158	127	18	3
PB-50127	50	75	80	158	127	18	3
PB-60127	60	80	100	158	127	18	3
PB-80127	80	90	100	158	127	18	5

SLIDING SUPPORT FOR CU. TUBES ON INSULATOR

SOPORTE UNIÓN DESLIZANTE PARA TUBOS CU. MONTADO SOBRE AISLADOR

SUPPORT JONCTION COULISSANT POUR TUBES CU. SUR PILLARD



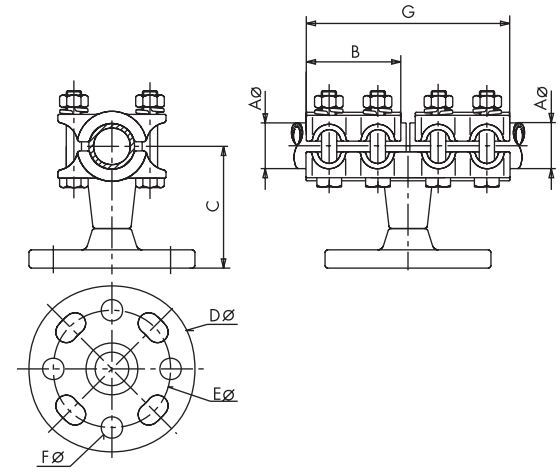
PEBD

Referencia Code Référence	mm							Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	Dø	Eø	Fø	G	
PEBD-252576	25	55	80	108	76	14	113	2
PEBD-303076	30	62	80	108	76	14	127	3
PEBD-404076	40	67	80	108	76	14	140	3
PEBD-505076	50	75	80	108	76	14	155	3
PEBD-606076	60	80	100	108	76	14	166	3
PEBD-808076	80	90	100	108	76	14	182	5
PEBD-2525127	25	55	80	158	127	18	113	2
PEBD-3030127	30	62	80	158	127	18	127	3
PEBD-4040127	40	67	80	158	127	18	140	3
PEBD-5050127	50	75	80	158	127	18	155	3
PEBD-6060127	60	80	100	158	127	18	166	3
PEBD-8080127	80	90	100	158	127	18	182	3

UNION SUPPORT FOR CU. TUBES ON INSULATOR

SOPORTE UNIÓN PARA TUBOS CU. MONTADO SOBRE AISLADOR

SUPPORT JONCTION POUR TUBES CU. SUR PILLARD



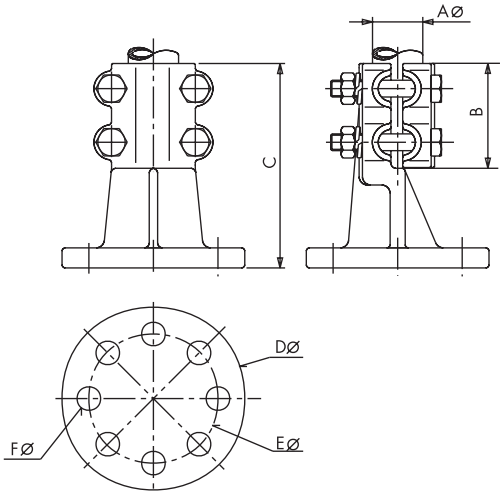
PEB

Referencia Code Référence	mm							Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	Dø	Eø	Fø	G	
PEB-252576	25	55	80	108	76	14	113	2
PEB-303076	30	62	80	108	76	14	127	3
PEB-404076	40	67	80	108	76	14	140	3
PEB-505076	50	75	80	108	76	14	155	3
PEB-606076	60	80	100	108	76	14	166	3
PEB-808076	80	90	100	108	76	14	182	5
PEB-2525127	25	55	80	158	127	18	113	2
PEB-3030127	30	62	80	158	127	18	127	3
PEB-4040127	40	67	80	158	127	18	140	3
PEB-5050127	50	75	80	158	127	18	155	3
PEB-6060127	60	80	100	158	127	18	166	3
PEB-8080127	80	90	100	158	127	18	182	3

SUPPORT FOR VERTICAL CU. TUBE ON INSULATOR

SOPORTE PARA TUBO CU. VERTICAL MONTADO SOBRE AISLADOR

SUPPORT POUR TUBE CU. VERTICAL SUR PILLARD



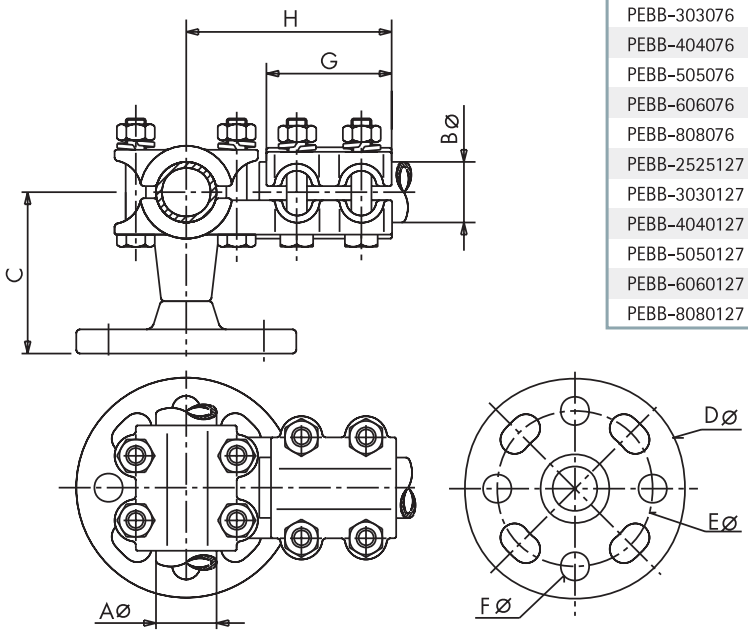
PVB

Referencia / Code / Référence	mm						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	Dø	Eø	Fø	
PVB-2576	25	55	110	108	76	14	2
PVB-3076	30	62	118	108	76	14	3
PVB-4076	40	67	132	108	76	14	3
PVB-5076	50	75	135	108	76	14	3
PVB-6076	60	80	142	108	76	14	3
PVB-25127	25	55	110	158	127	18	2
PVB-30127	30	62	118	158	127	18	3
PVB-40127	40	67	132	158	127	18	3
PVB-50127	50	75	135	158	127	18	3
PVB-60127	60	80	142	158	127	18	3

T SUPPORT FOR CU. TUBES ON INSULATOR

SOPORTE EN T PARA TUBOS CU. MONTADO SOBRE AISLADOR EN EL MISMO PLANO

SUPPORT EN T POUR TUBES CU. SUR PILLARD



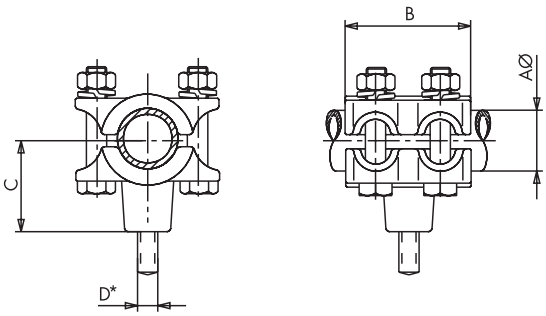
PEBB

Referencia / Code / Référence	mm								Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	Dø	Eø	Fø	G	H	A	B
PEBB-252576	25	25	80	108	76	14	55	94	2	2
PEBB-303076	30	30	80	108	76	14	62	104	3	3
PEBB-404076	40	40	80	108	76	14	67	113	3	3
PEBB-505076	50	50	80	108	76	14	75	131	3	3
PEBB-606076	60	60	100	108	76	14	80	141	3	3
PEBB-808076	80	80	100	108	76	14	90	165	5	5
PEBB-2525127	25	25	80	158	127	18	55	94	2	2
PEBB-3030127	30	30	80	158	127	18	62	104	3	3
PEBB-4040127	40	40	80	158	127	18	67	113	3	3
PEBB-5050127	50	50	80	158	127	18	75	131	3	3
PEBB-6060127	60	60	100	158	127	18	80	141	3	3
PEBB-8080127	80	80	100	158	127	18	90	165	5	5

CU. TUBE SUPPORT WITH FIXING STUD ON INSULATOR

SOPORTE PARA TUBO CU. CON FIJACIÓN DE ESPÁRRAGO MONTADO SOBRE AISLADOR

SUPPORT POUR TUBE CU. AVEC FIXATION DE BOULON SUR PILLARD



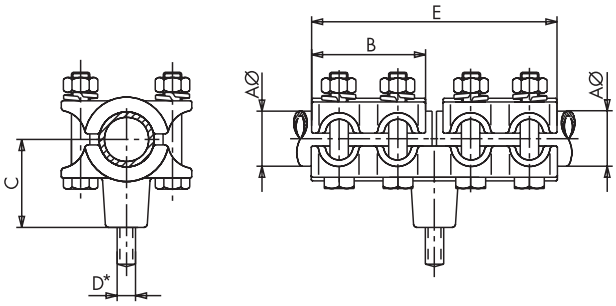
PBM

Referencia Code Référence	mm				Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D*	
PBM-25M12	25	55	50	M-12	2
PBM-30M12	30	62	50	M-12	3
PBM-40M12	40	67	50	M-12	3
PBM-50M12	50	75	50	M-12	3
PBM-60M12	60	80	70	M-12	3
PBM-80M12	80	90	70	M-12	5

SUPPORT UNION CU. TUBES WITH FIXING STUD ON INSULATOR

SOPORTE PARA UNIÓN TUBOS CU. CON FIJACIÓN DE ESPÁRRAGO MONTADO SOBRE AISLADOR

SUPPORT POUR JONCTION TUBES CU. AVEC FIXATION DE BOULON SUR PILLARD



PEBM

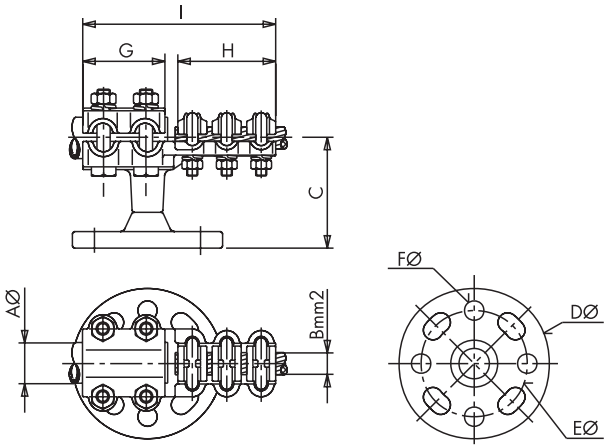
Referencia Code Référence	mm					Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D*	E	
PEBM-25M12	25	55	50	M-12	113	2
PEBM-30M12	30	62	50	M-12	127	3
PEBM-40M12	40	67	50	M-12	140	3
PEBM-50M12	50	75	50	M-12	155	3
PEBM-60M12	60	80	70	M-12	166	3
PEBM-80M12	80	90	70	M-12	182	5

NOTA: D* A INDICAR.
NOTE: D* TO SPECIFY.
NOTE: D* À PRECISER.

SUPPORT UNION CU. TUBE TO CU. CABLE ON INSULATOR

SOPORTE DE UNIÓN TUBO CU. A CABLE CU. MONTADO SOBRE AISLADOR

SUPPORT POUR TUBE CU. À CABLE CU. SUR PILLARD



PEBC3

Referencia / Code / Référence	Aø	mm²	mm							Par de apriete Tightening torque Couple de serrage (kg.m)	
		B	C	Dø	Eø	Fø	G	H	I	A	B
PEBC3-25150*	25	95-150	80	SEGUN NOTA	SEGUN NOTA	SEGUN NOTA	55	73	130	2	2
PEBC3-30150*	30	95-150	80				62	73	139	3	2
PEBC3-30250*	30	180-250	80				62	80	145	3	2
PEBC3-30400*	30	300-400	80				62	85	145	3	2
PEBC3-30500*	30	500	80				62	94	159	3	3
PEBC3-40150*	40	95-150	80				67	73	149	3	2
PEBC3-40250*	40	180-250	80				67	80	151	3	2
PEBC3-40400*	40	300-400	80				67	85	164	3	2
PEBC3-40500*	40	500	80				67	94	167	3	3
PEBC3-50150*	50	95-150	80				75	73	156	3	2
PEBC3-50250*	50	180-250	80				75	80	161	3	2
PEBC3-50400*	50	300-400	80				75	85	166	3	2
PEBC3-50500*	50	500	80				75	94	173	3	3
PEBC3-60150*	60	95-150	100				80	73	169	3	2
PEBC3-60250*	60	180-250	100				80	80	170	3	2
PEBC3-60400*	60	300-400	100				80	85	175	3	2
PEBC3-60500*	60	500	100				80	94	183	3	3

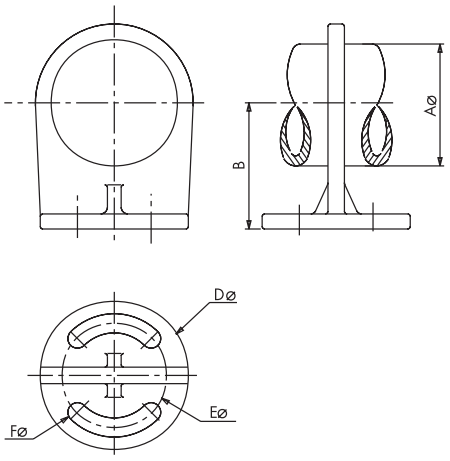
NOTA/NOTE:

	Dø	Eø	Fø
TIPO 1	108	76	14
TIPO 2	158	127	18

SLIDING SUPPORT FOR CU. TUBE ON INSULATOR

SOPORTE DESLIZANTE PARA TUBO DE CU. MONTADO SOBRE AISLADOR

SUPPORT COULISSANT POUR TUBE CU. SUR PILLARD



SPD

Referencia / Code / Référence	Tubo A IPS	mm				
		Aø	B	Dø	Eø	Fø
SPD-33*	1"	33,4	57	SEGUN NOTA	SEGUN NOTA	SEGUN NOTA
SPD-42*	1 1/4"	42,17	60			
SPD-48*	1 1/2"	48,26	64			
SPD-60*	2"	60,32	70			
SPD-73*	2 1/2"	73,02	79			
SPD-89*	3"	88,9	92			

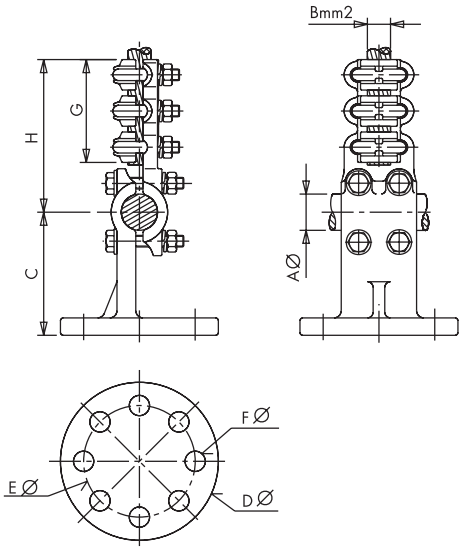
NOTA/NOTE:

	Dø	Eø	Fø
TIPO 1	108	76	14
TIPO 2	158	127	18

T SUPPORT FOR THROUGH TUBE/STUD AND TAP CU. CABLE ON INSULATOR

SOPORTE EN T PARA TUBO/BORNA PASANTE Y DERIVADO CABLE CU. MONTADO SOBRE AISLADOR

SUPPORT EN T POUR TUBE/BORNE TRAVERSANT ET DÉRIVÉ CABLE CU. SUR PILLARD



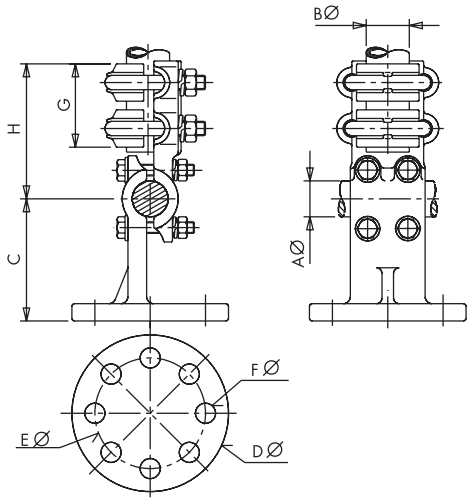
PDBC3

Referencia Code Référence	Aø	mm2	mm						Par de apriete Tightening torque Couple de serrage (kg.m)	
		B	C	Dø	Eø	Fø	G	H	Aø	B
PDBC3-25150*	25	95-150	80	SEGUN NOTA	SEGUN NOTA	SEGUN NOTA	73	107	2	2
PDBC3-30150*	30	95-150	80				73	114	3	2
PDBC3-30250*	30	180-250	80				80	119	3	2
PDBC3-30400*	30	300-400	80				85	122	3	2
PDBC3-30500*	30	500	80				94	135	3	3
PDBC3-40150*	40	95-150	80				73	117	3	2
PDBC3-40250*	40	180-250	80				80	125	3	2
PDBC3-40400*	40	300-400	80				85	128	3	2
PDBC3-40500*	40	500	80				94	139	3	3
PDBC3-50150*	50	95-150	80				73	132	3	2
PDBC3-50250*	50	180-250	80				80	133	3	2
PDBC3-50400*	50	300-400	80				85	135	3	2
PDBC3-50500*	50	500	80				94	142	3	3
PDBC3-60150*	60	95-150	100				73	133	3	2
PDBC3-60250*	60	180-250	100				80	139	3	2
PDBC3-60400*	60	300-400	100				85	139	3	2
PDBC3-60500*	60	500	100				94	152	3	3

T SUPPORT UNION CU. TUBES ON INSULATOR

SOPORTE EN T PARA UNIÓN DE TUBOS CU. MONTADO SOBRE AISLADOR

SUPPORT EN T POUR JONCTION TUBES CU. SUR PILLARD

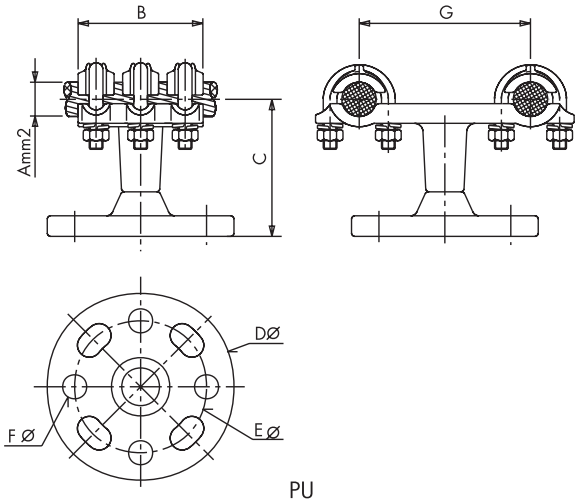


PDBB

Referencia Code Référence	mm								Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	Dø	Eø	Fø	G	H	Aø	B
PDBB-2525*	25	25	80	SEGUN NOTA	SEGUN NOTA	SEGUN NOTA	62	94	2	2
PDBB-2530*	25	30	80				62	100	2	3
PDBB-2540*	25	40	80				67	108	2	3
PDBB-2550*	25	50	80				75	118	2	3
PDBB-2560*	25	60	80				80	121	2	3
PDBB-3030*	30	30	80				62	104	3	3
PDBB-3040*	30	40	80				67	111	3	3
PDBB-3050*	30	50	80				75	118	3	3
PDBB-3060*	30	60	80				80	123	3	3
PDBB-4040*	40	40	80				67	113	3	3
PDBB-4050*	40	50	80				75	126	3	3
PDBB-4060*	40	60	80				80	132	3	3
PDBB-5050*	50	50	80				75	131	3	3
PDBB-5060*	50	60	80				80	137	3	3
PDBB-6060*	60	60	100				80	141	3	3

NOTA/NOTE:

	Dø	Eø	Fø
TIPO 1	108	76	14
TIPO 2	158	127	18

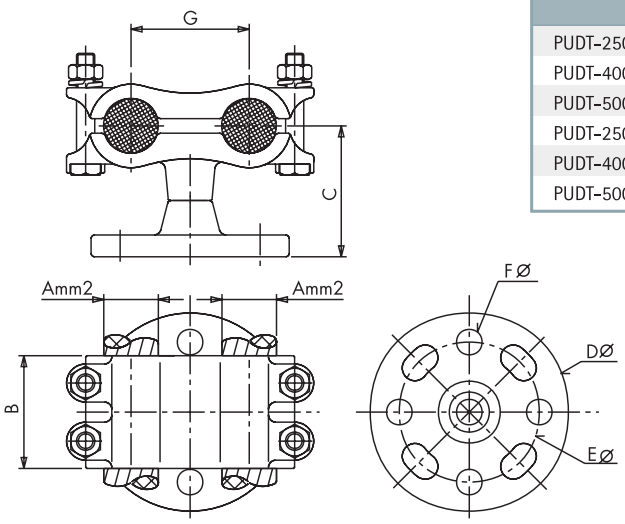


PU

Referencia Code Référence	mm²	mm						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	Dø	Eø	Fø	G*	
PU.*-15076	95-150	73	80	108	76	14	SEGUN NOTA	2
PU.*-25076	180-250	80	80	108	76	14		2
PU.*-40076	300-400	85	80	108	76	14		2
PU.*-50076	500	94	80	108	76	14		2
PU.*-150127	95-150	73	80	158	127	18		2
PU.*-250127	180-250	80	80	158	127	18		2
PU.*-400127	300-400	85	80	158	127	18		2
PU.*-500127	500	94	80	158	127	18		3

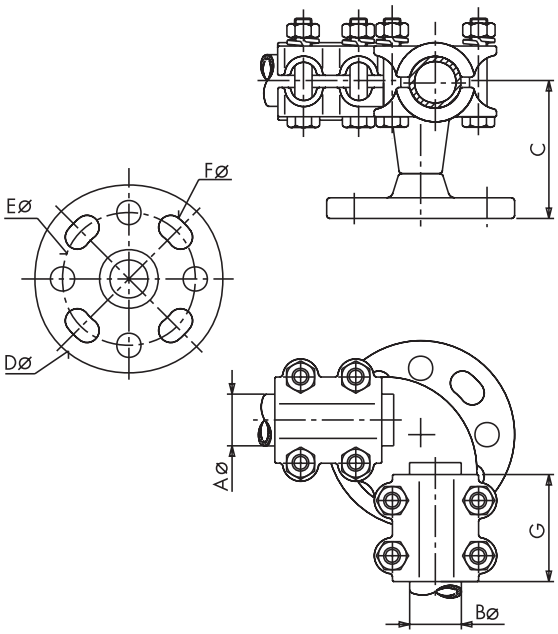
NOTA= G* SEPARACION ENTRE CABLES .1=100mm / 15=150mm
NOTE= G SPACE BETWEEN CABLES.1=100mm / 15=150mm*
NOTE= G* ÉCARTEMENT ENTRE CABLES .1=100mm / 15=150mm

SUPPORT FOR CU. DUPLEX CABLE ON INSULATOR
SOPORTE PARA CABLE DUPLEX CU. MONTADO SOBRE AISLADOR
SUPPORT POUR CABLE DUPLEX CU. SUR PILLARD



PUDT

Referencia Code Référence	mm²	mm						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	Dø	Eø	Fø	G	
PUDT-25076	180-250	52	75	108	76	14	60	2
PUDT-40076	300-400	55	75	108	76	14	60	2
PUDT-50076	500	62	75	108	76	14	60	3
PUDT-250127	180-250	52	75	158	127	18	60	2
PUDT-400127	300-400	55	75	158	127	18	60	2
PUDT-500127	500	62	75	158	127	18	60	3



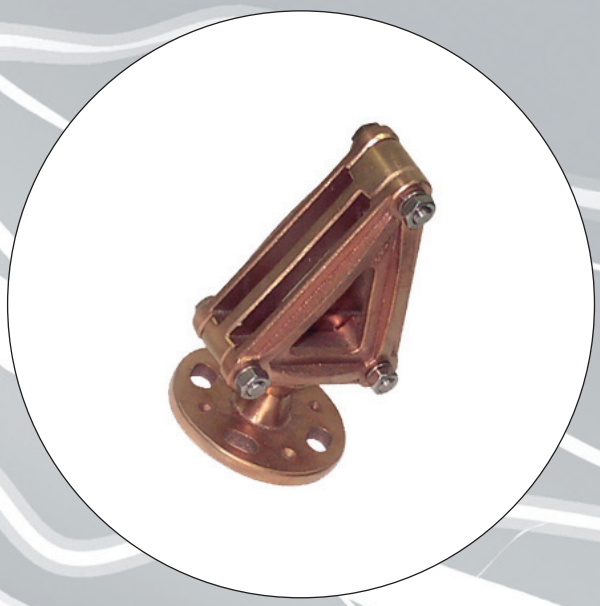
PELBB

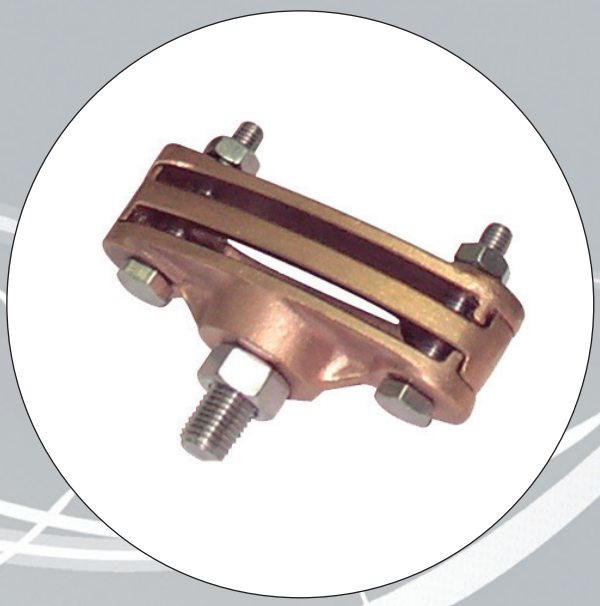
Referencia Code Référence	mm							Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	Dø	Eø	Fø	G	A	B
PELBB-252576	25	25	80	108	76	14	55	2	2
PELBB-303076	30	30	80	108	76	14	62	3	3
PELBB-404076	40	40	80	108	76	14	67	3	3
PELBB-505076	50	50	80	108	76	14	75	3	3
PELBB-606076	60	60	100	108	76	14	80	3	3
PELBB-808076	80	80	100	108	76	14	90	5	5
PELBB-2525127	25	25	80	158	127	18	55	2	2
PELBB-3030127	30	30	80	158	127	18	62	3	3
PELBB-4040127	40	40	80	158	127	18	67	3	3
PELBB-5050127	50	50	80	158	127	18	75	3	3
PELBB-6060127	60	60	100	158	127	18	80	3	3
PELBB-8080127	80	80	100	158	127	18	90	5	5




Powering Progress

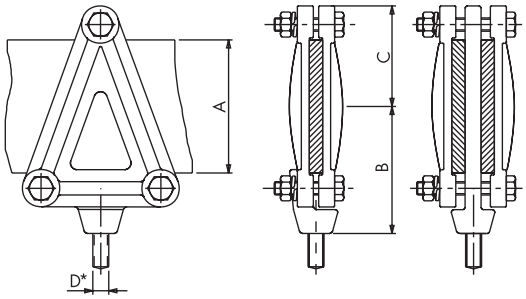
Support for Flatbars
Portapletinas
Porte-Barres





PORTAPLETINAS VERTICAL PARA PLETINAS FIJAS DE CU. CON FIJACIÓN DE ESPÁRRAGO MONTADO SOBRE AISLADOR

PORTEBARRES VERTICAL POUR BARRES FIXES CU. AVEC FIXATION DE BOULON SUR PILLARD



PPV

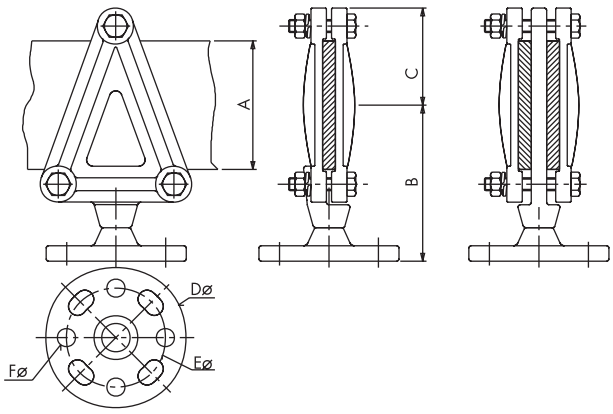
Referencia / Code / Référence	mm.				Par de apriete / Tightening torque / Couple de serrage (kg.m)
	A	B	C	D*	
PPV-80M12	80	70	80	M12	3
PPV-100M12	100	90	80	M12	3
PPV-120M12	120	110	88	M12	5

NOTA: A INDICAR NÚMERO DE PLETINAS
EJEMPLO:PPV-80M12/2 (2 pletinas) / PPV-80M12/3 (3 pletinas)
D*: A INDICAR ESPÁRRAGO DE FIJACIÓN.
NOTE: SPECIFY FLATBARS QUANTITY
EXAMPLE: PPV-80M12/2 (2 flatbars) / PPV-80M12/3 (3 flatbars)
D*: SPECIFY FIXING STUD.
NOTE: À PRECISER QUANTITÉ DE BARRES MÉPLATES
EXEMPLE: PPV-80M12/2 (2 méplates) / PPV-80M12/3 (3 méplates)
D*: À PRECISER BOULON DE FIXATION.

VERTICAL SUPPORT FOR CU. FIX FLATBARS ON INSULATOR

PORTAPLETINAS VERTICAL PARA PLETINAS FIJAS DE CU. MONTADO SOBRE AISLADOR

PORTEBARRES VERTICAL POUR BARRES FIXES CU. SUR PILLARD



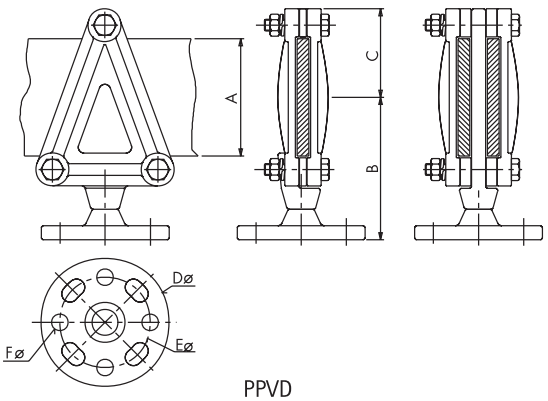
PPV

Referencia / Code / Référence	mm.						Par de apriete / Tightening torque / Couple de serrage (kg.m)
	A	B	C	Dø	Eø	Fø	
PPV-8076	80	100	80	108	76	14	3
PPV-10076	100	120	80	108	76	14	3
PPV-12076	120	140	88	108	76	14	5
PPV-80127	80	100	80	158	127	18	3
PPV-100127	100	120	80	158	127	18	3
PPV-120127	120	140	88	158	127	18	5

NOTA: A INDICAR NÚMERO DE PLETINAS
EJEMPLO: PPV-8076/2 (2 pletinas) / PPV-8076/3 (3 pletinas)
NOTE: SPECIFY FLATBARS QUANTITY
EXAMPLE: PPV-8076/2 (2 flatbars) / PPV-8076/3 (3 flatbars)
NOTE: À PRECISER QUANTITÉ DE BARRES MÉPLATES
EXEMPLE: PPV-8076/2 (2 méplates) / PPV-8076/3 (3 méplates)

PORTAPLETINAS VERTICAL PARA PLETINAS DESLIZANTES DE CU. MONTADO SOBRE AISLADOR

PORTEBARRES VERTICAL POUR BARRES COULISSANTES CU. SUR PILLARD



PPVD

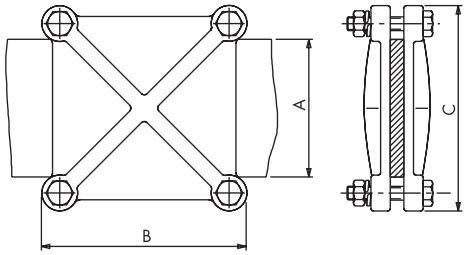
Referencia Code Référence	m m .						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	Dø	Eø	Fø	
PPVD-8076	80	100	80	108	76	14	3
PPVD-10076	100	120	80	108	76	14	3
PPVD-12076	120	140	88	108	76	14	5
PPVD-80127	80	100	80	158	127	18	3
PPVD-100127	100	120	80	158	127	18	3
PPVD-120127	120	140	88	158	127	18	5

NOTA: A INDICAR NUMERO DE PLETINAS
EJEMPLO: PPVD-8076/2 (2 pletinas) / PPVD-8076/3 (3 pletinas)
NOTE: SPECIFY FLATBARS QUANTITY
EXAMPLE: PPVD-8076/2 (2 flatbars) / PPVD-8076/3 (3 flatbars)
NOTE: À PRECISER QUANTITÉ DE BARRES MÉPLATES
EXEMPLE: PPVD-8076/2 (2 méplates) / PPVD-8076/3 (3 méplates)

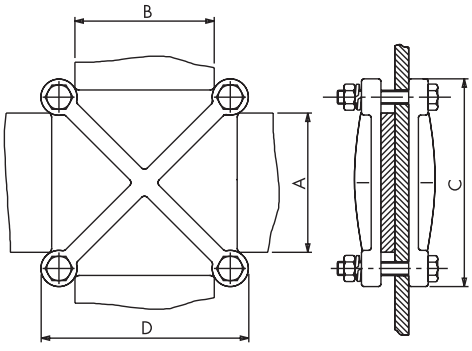
SUPPORT FOR UNION CU. FLATBARS AND CU. FLATBARS TAP

PORTAPLETINAS PARA UNIÓN Y DERIVACIÓN DE PLETINAS DE CU.

PORTEBARRES POUR JONCTION ET DÉRIVATION DE BARRES MÉPLATES CU.



PORTAPLETINAS PARA UNION DE PLETINAS DE CU.
PPHC



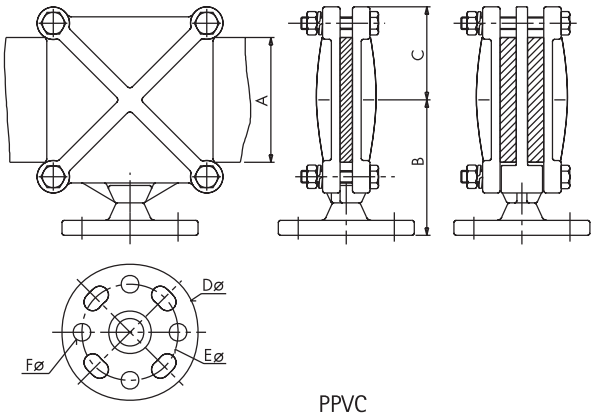
PORTAPLETINAS PARA DERIVACION DE PLETINAS DE CU.
PPHC

Referencia Code Référence	m m .				Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D	
PPHC-50	50	50	87	87	2
PPHC-60	60	60	98	98	2
PPHC-80	80	80	118	118	3
PPHC-100	100	100	147	147	3
PPHC-120	120	120	176	176	5

VERTICAL SQUARE SUPPORT FOR CU. FIX FLATBARS ON INSULATOR

PORTAPLETINAS VERTICAL CUADRADO PARA PLETINAS FIJAS DE CU. MONTADO SOBRE AISLADOR

PORTEBARRES VERTICAL CARRÉ POUR BARRES FIXES CU. SUR PILLARD



PPVC

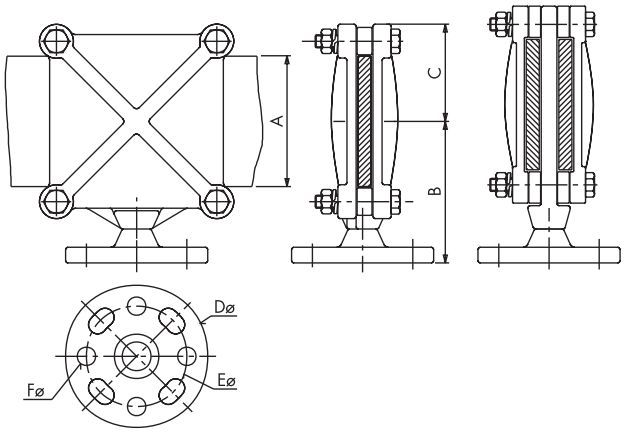
Referencia Code Référence	m m .						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	Dø	Eø	Fø	
PPVC-6076	60	80	60	108	76	14	2
PPVC-8076	80	100	80	108	76	14	3
PPVC-10076	100	120	80	108	76	14	3
PPVC-12076	120	140	88	108	76	14	5
PPVC-60127	60	80	60	158	127	18	2
PPVC-80127	80	100	80	158	127	18	3
PPVC-100127	100	120	80	158	127	18	3
PPVC-120127	120	140	88	158	127	18	5

NOTA: A INDICAR NUMERO DE PLETINAS
EJEMPLO: PPVC-80127/2 (2 pletinas) / PPVC-80127/3 (3 pletinas)
NOTE: SPECIFY FLATBARS QUANTITY
EXAMPLE: PPVC-80127/2 (2 flatbars) / PPVC-80127/3 (3 flatbars)
NOTE: À PRECISER QUANTITÉ DE BARRES MÉPLATES
EXEMPLE: PPVC-80127/2 (2 méplates) / PPVC-80127/3 (3 méplates)

VERTICAL SQUARE SUPPORT FOR CU. SLIDING FLATBARS ON INSULATOR

PORTAPLETINAS VERTICAL CUADRADO PARA PLETINAS DESLIZANTES DE CU. MONTADO SOBRE AISLADOR

PORTEBARRES VERTICAL CARRÉ POUR BARRES COULISSANTES CU. SUR PILLARD



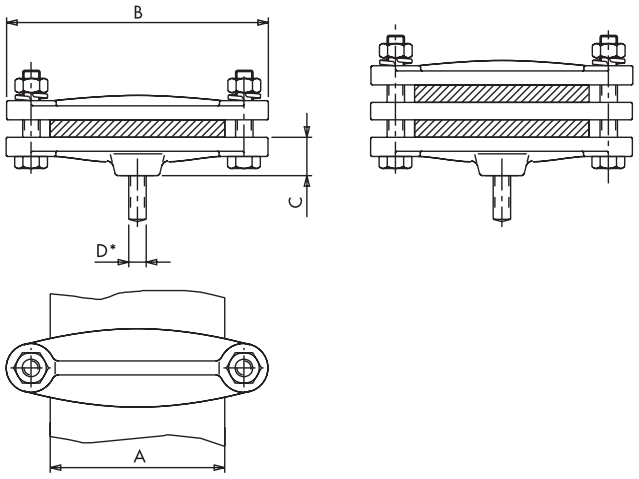
PPVCD

Referencia Code Référence	m m .						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	Dø	Eø	Fø	
PPVCD-6076	60	80	60	108	76	14	2
PPVCD-8076	80	100	80	108	76	14	3
PPVCD-10076	100	120	80	108	76	14	3
PPVCD-12076	120	140	88	108	76	14	5
PPVCD-60127	60	80	60	158	127	18	2
PPVCD-80127	80	100	80	158	127	18	3
PPVCD-100127	100	120	80	158	127	18	3
PPVCD-120127	120	140	88	158	127	18	5

NOTA: A INDICAR NUMERO DE PLETINAS
EJEMPLO: PPVCD-80127/2 (2 pletinas) / PPVCD-80127/3 (3 pletinas)
NOTE: SPECIFY FLATBARS QUANTITY
EXAMPLE: PPVCD-80127/2 (2 flatbars) / PPVCD-80127/3 (3 flatbars)
NOTE: À PRECISER QUANTITÉ DE BARRES MÉPLATES
EXEMPLE: PPVCD-80127/2 (2 méplates) / PPVCD-80127/3 (3 méplates)

PORTAPLETINAS HTAL. PARA PLETINAS FIJAS DE CU. CON FIJACIÓN DE ESPÁRRAGO MONTADO SOBRE AISLADOR

PORTEBARRES HTAL. POUR BARRES FIXES CU. AVEC FIXATION DE BOULON SUR PILLARD



PPH

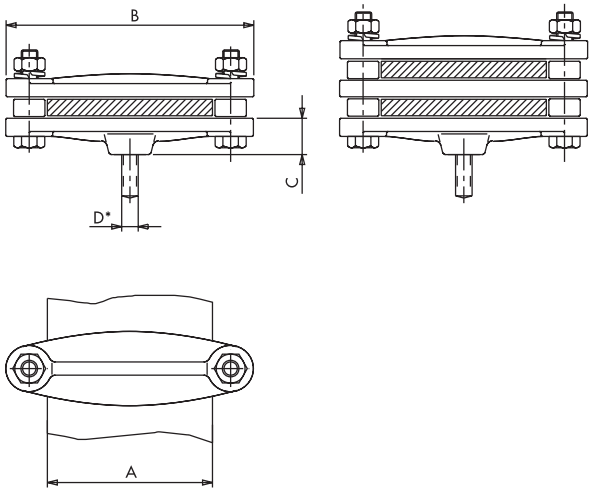
Referencia Code Référence	m m .				Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D*	
PPH-60M10	60	98	20	M10	2
PPH-80M10	80	118	30	M10	3
PPH-100M10	100	147	30	M10	3
PPH-120M10	120	176	30	M10	5

NOTA: A INDICAR NÚMERO DE PLETINAS
EJEMPLO: PPH-80M10/2 (2 pletinas) / PPH-80M10/3 (3 pletinas)
D*: A INDICAR ESPÁRRAGO DE FIJACIÓN.
NOTE: SPECIFY FLATBARS QUANTITY
EXAMPLE: PPH-80M10/2 (2 flatbars) / PPH-80M10/3 (3 flatbars)
D*: SPECIFY FIXING STUD.
NOTE: À PRECISER QUANTITÉ DE BARRES MÉPLATES
EXEMPLE: PPH-80M10/2 (2 méplates) / PPH-80M10/3 (3 méplates)
D*: À PRECISER BOULON DE FIXATION.

HTAL. SUPPORT FOR CU. SLIDING FLATBARS WITH FIXING STUD ON INSULATOR

PORTAPLETINAS HTAL. PARA PLETINAS DESLIZANTES DE CU. CON FIJACIÓN DE ESPÁRRAGO MONTADO SOBRE AISLADOR

PORTEBARRES HTAL. POUR BARRES COULISSANTES CU. AVEC FIXATION DE BOULON SUR PILLARD



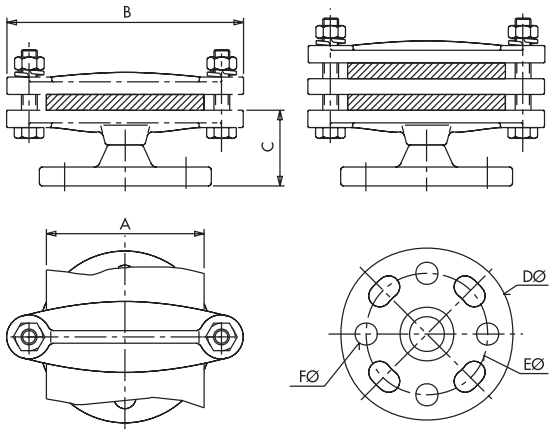
PPHD

Referencia Code Référence	m m .				Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D*	
PPHD-60M10	60	98	20	M10	2
PPHD-80M10	80	118	30	M10	3
PPHD-100M10	100	147	30	M10	3
PPHD-120M10	120	176	30	M10	5

NOTA: A INDICAR NÚMERO DE PLETINAS
EJEMPLO: PPHD-80M10/2 (2 pletinas) / PPHD-80M10/3 (3 pletinas)
D*: A INDICAR ESPÁRRAGO DE FIJACIÓN.
NOTE: SPECIFY FLATBARS QUANTITY
EXAMPLE: PPHD-80M10/2 (2 flatbars) / PPHD-80M10/3 (3 flatbars)
D*: SPECIFY FIXING STUD.
NOTE: À PRECISER QUANTITÉ DE BARRES MÉPLATES
EXEMPLE: PPHD-80M10/2 (2 méplates) / PPHD-80M10/3 (3 méplates)
D*: À PRECISER BOULON DE FIXATION.

PORTAPLETINAS HTAL. PARA PLETINAS FIJAS DE CU. MONTADO SOBRE AISLADOR

PORTEBARRES HTAL. POUR BARRES FIXES CU. SUR PILLARD



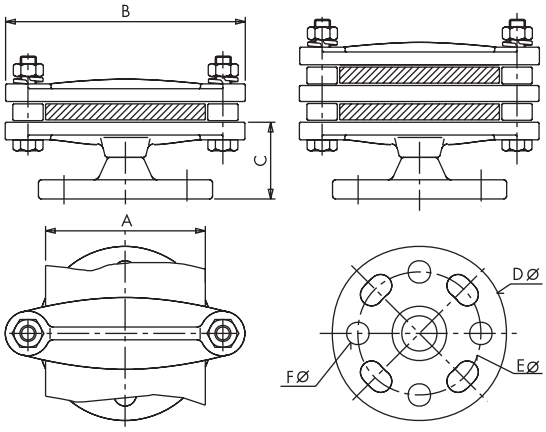
PPH

Referencia Code Référence	m m .						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	Dø	Eø	Fø	
PPH-6076	60	98	50	108	76	14	2
PPH-8076	80	118	60	108	76	14	3
PPH-10076	100	147	60	108	76	14	3
PPH-12076	120	176	60	108	76	14	5
PPH-60127	60	98	50	158	127	18	2
PPH-80127	80	118	60	158	127	18	3
PPH-100127	100	147	60	158	127	18	3
PPH-120127	120	176	60	158	127	18	5

NOTA: A INDICAR NUMERO DE PLETINAS
EJEMPLO: PPH-8076/2 (2 pletinas) / PPH-8076/3 (3 pletinas)
NOTE: SPECIFY FLATBARS QUANTITY
EXAMPLE: PPH-8076/2 (2 flatbars) / PPH-8076/3 (3 flatbars)
NOTE: À PRECISER QUANTITÉ DE BARRES MÉPLATES
EXEMPLE: PPH-8076/2 (2 méplates) / PPH-8076/3 (3 méplates)

PORTAPLETINAS HTAL. PARA PLETINAS DESLIZANTES DE CU. MONTADO SOBRE AISLADOR

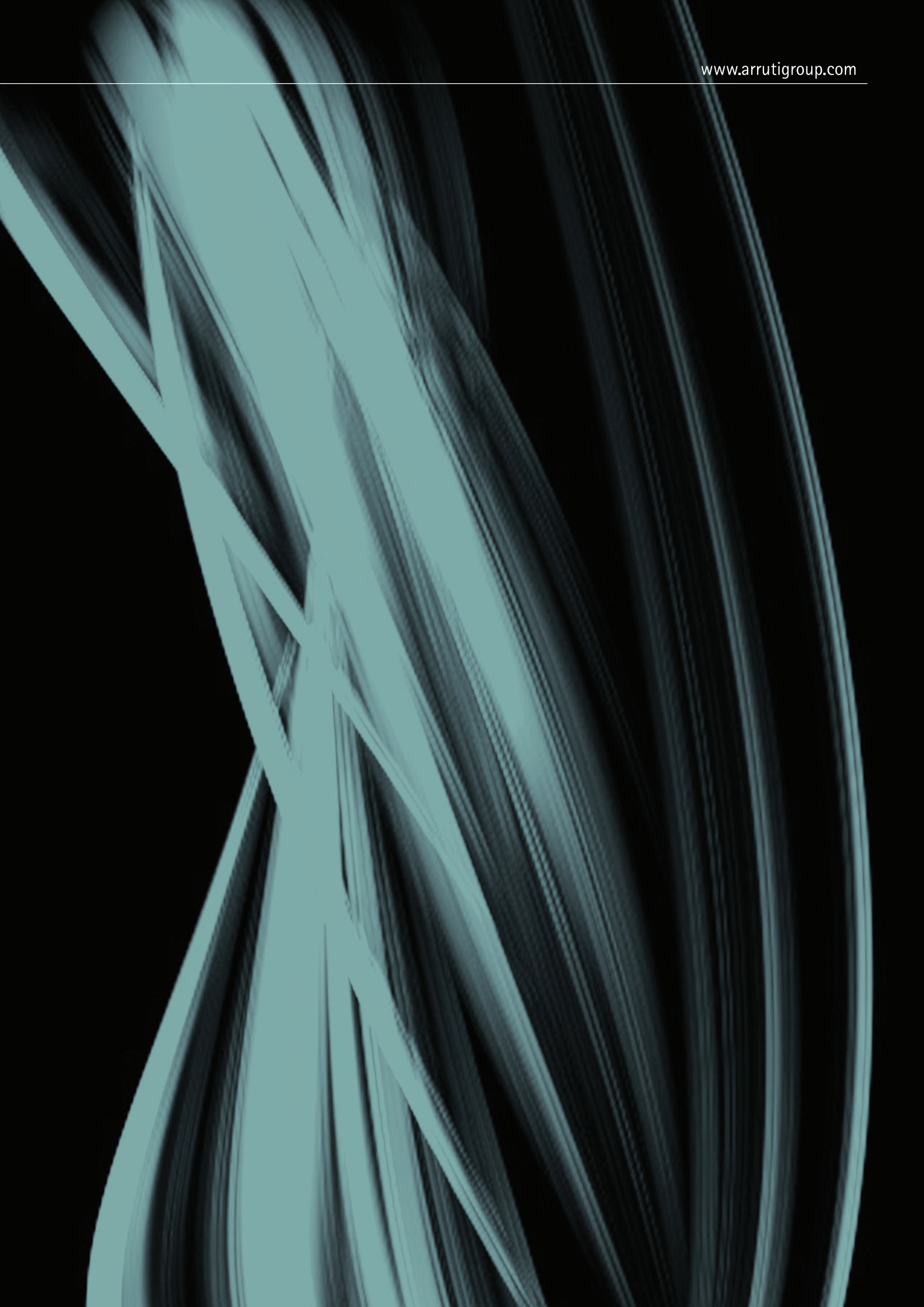
PORTEBARRES HTAL. POUR BARRES COULISSANTES CU. SUR PILLARD



PPHD

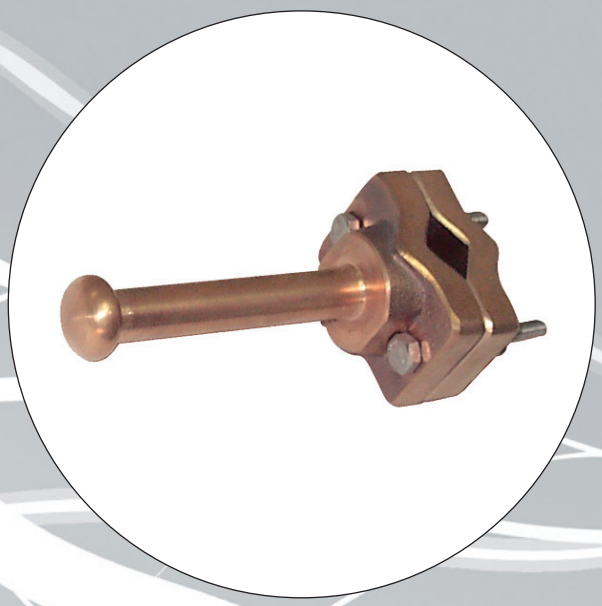
Referencia Code Référence	m m .						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	Dø	Eø	Fø	
PPHD-6076	60	98	50	108	76	14	2
PPHD-8076	80	118	60	108	76	14	3
PPHD-10076	100	147	60	108	76	14	3
PPHD-12076	120	176	60	108	76	14	5
PPHD-60127	60	98	50	158	127	18	2
PPHD-80127	80	118	60	158	127	18	3
PPHD-100127	100	147	60	158	127	18	3
PPHD-120127	120	176	60	158	127	18	5

NOTA: A INDICAR NUMERO DE PLETINAS
EJEMPLO: PPHD-8076/2 (2 pletinas) / PPHD-8076/3 (3 pletinas)
NOTE: SPECIFY FLATBARS QUANTITY
EXAMPLE: PPHD-8076/2 (2 flatbars) / PPHD-8076/3 (3 flatbars)
NOTE: À PRECISER QUANTITÉ DE BARRES MÉPLATES
EXEMPLE: PPHD-8076/2 (2 méplates) / PPHD-8076/3 (3 méplates)




Powering Progress

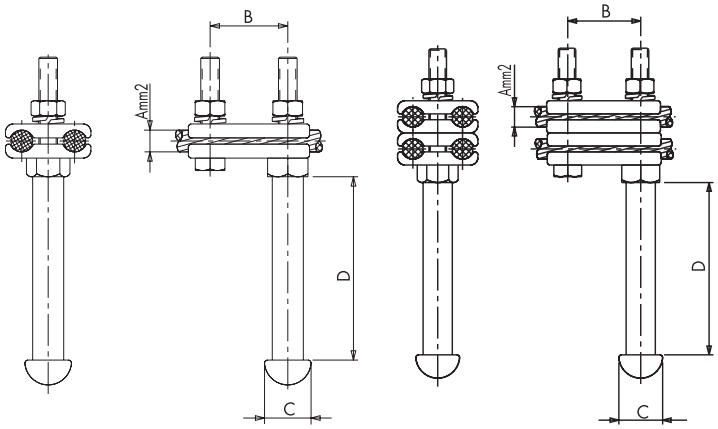
Fix Points
Puntos Fijos
Points Fixes



EARTHING CLAMP FOR CU. CABLES WITH FIX POINT

GRAPA P.A.T. PARA CABLES CU. CON PUNTO FIJO

PRISE DE MISE À TERRE POUR CABLES CU. AVEC POINT FIXE



GT2B GT4B

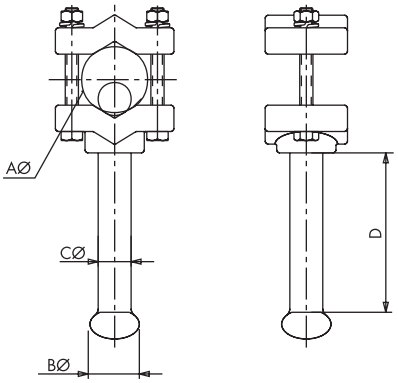
Referencia / Code / Référence	mm.				Par de apriete / Tightening torque / Couple de serrage (kg.m)
	A mm2	B	C	D	
GT2B-150/32	95-150	32	30	120	(Según métrica)
GT2B-150/50	95-150	50	30	120	(Según métrica)

GT4B-150/32	95-150	32	30	120	(Según métrica)
GT4B-150/50	95-150	50	30	120	(Según métrica)

PIN FIX POINT FOR CU. TUBE/CABLE

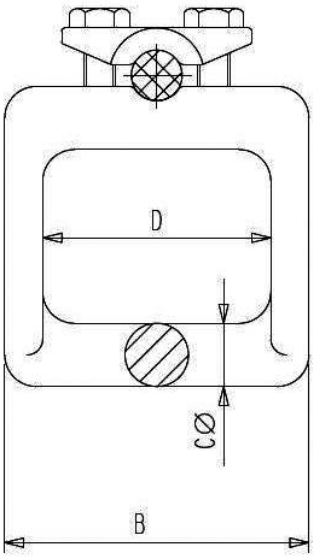
PUNTO FIJO DE PIVOTE PARA TUBO O CABLE CU.

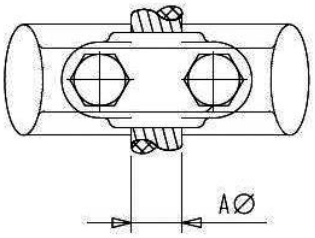
POINT FIXE À PIVOT POUR TUBE/CABLE CU.



PFP

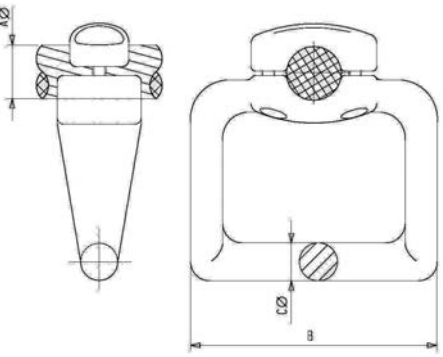
Referencia / Code / Référence	mm				Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	Bø	Cø	D*	
PFP-10/25	10-25	30	20	95	2
PFP-20/40	20-40	30	20	95	2
PFP-40/60	40-60	30	20	95	3





BPFE 12-16

Referencia Code Référence	mm				Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	
BPFE-12/16	12-16	96	20	72	3



BPFE

Referencia Code Référence	mm			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	
BPFE-22/30	22-30	122	20	3
BPFE-40	40	177	20	5
BPFE-50	50	162	20	5
BPFE-60	60	190	20	5


Powering Progress

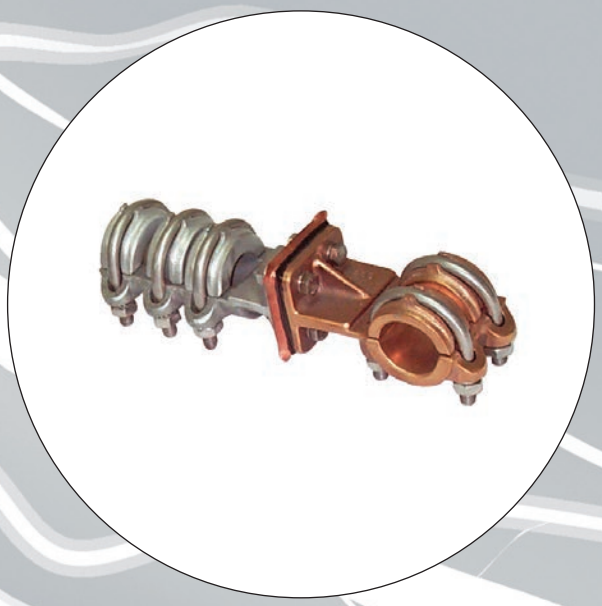
Bimetallic Connectors
Conectores Bimetálicos
Raccords Bimetalliques

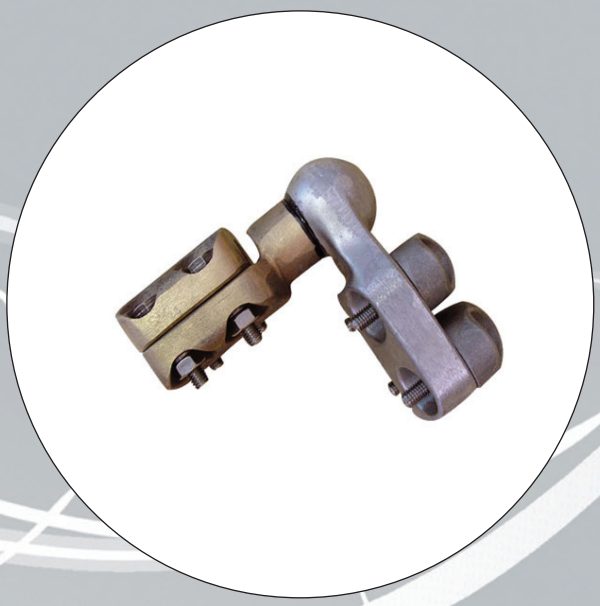
- Bimetallic Connectors / Conectores Bimetálicos / Raccords Bimetalliques
- Expansion Connectors / Conectores de Dilatación / Raccords Souples




Powering Progress

Bimetallic Connectors
Conectores Bimetálicos
Raccords Bimetalliques

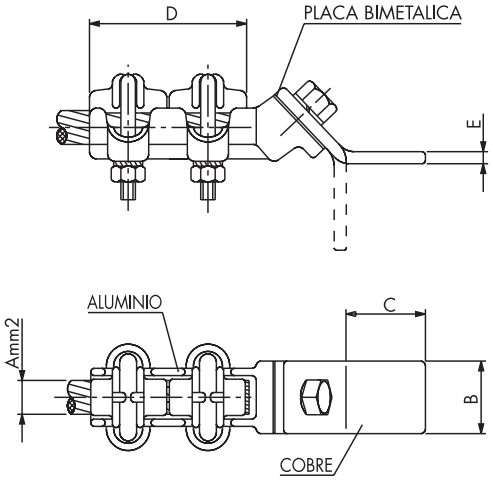




BIMETALLIC STRAIGHT CONNECTOR UNION AL. CABLE TO CU. FLAT

CONECTOR RECTO BIMETÁLICO UNIÓN CABLE AL. A PALA CU.

RACCORD DROIT BIMETALLIQUE JONCTION CABLE AL. À PLAGE CU.



XRCP

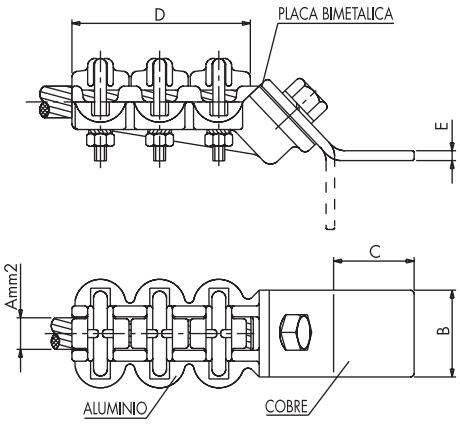
Referencia Code Référence	mm²	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)
	A	ø	B	C	D	E	
XRCP-11011	35-110	7,5-13,5	30	40	68	5	2
XRCP-11022	35-110	7,5-13,5	40	40	68	5	2

NOTA: INCLINACIÓN DE PALA A 90º A INDICAR. (EJEMPLO: XLCP)
NOTE: 90º FLAT SLANT TO BE INDICATED. (EXAMPLE: XLCP)
NOTE: INCLINATION DE PLAGE 90º À INDIQUER. (EXEMPLE: XLCP)

BIMETALLIC STRAIGHT CONNECTOR UNION AL. CABLE TO CU. FLAT

CONECTOR RECTO BIMETÁLICO UNIÓN CABLE AL. A PALA CU.

RACCORD DROIT BIMETALLIQUE JONCTION CABLE AL. À PLAGE CU.



XRC3P

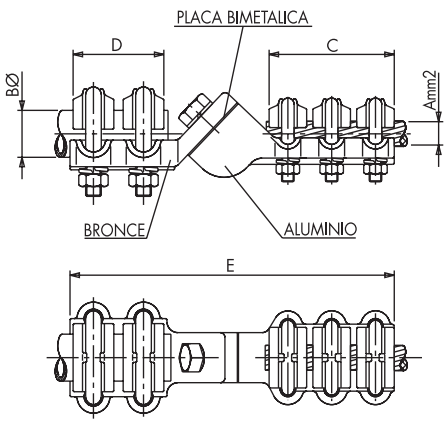
Referencia Code Référence	mm²	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)
	A	ø	B	C	D	E	
XRC3P-15022	75-150	11,34-16	40	40	85	5	2
XRC3P-15033	75-150	11,34-16	50	50	85	5	2
XRC3P-30022	160-300	16,5-22,5	40	40	90	5	2
XRC3P-30033	160-300	16,5-22,5	50	50	90	5	2

NOTA: INCLINACIÓN DE PALA A 90º A INDICAR. (EJEMPLO: XLC3P)
NOTE: 90º FLAT SLANT TO BE INDICATED. (EXAMPLE: XLC3P)
NOTE: INCLINATION DE PLAGE 90º À INDIQUER. (EXEMPLE: XLC3P)

BIMETALLIC STRAIGHT CONNECTOR UNION CU. TUBE/STUD TO AL. CABLE

CONECTOR RECTO BIMETÁLICO UNIÓN TUBO/BORNA CU. A CABLE AL.

RACCORD DROIT BIMETALLIQUE JONCTION TUBE/BORNE CU. À CABLE AL.



XRBC

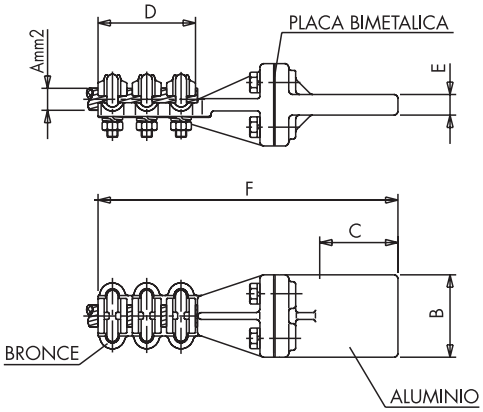
Referencia Code Référence	mm²	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	A	Ø	Bø	C	D	E	A	B
XRBC-16145	110-145	14-15,75	16	78	47	190	2	2
XRBC-20145	110-145	14-15,75	20	78	52	197	2	2
XRBC-30145	110-145	14-15,75	30	78	62	207	2	3

BIMETALLIC STRAIGHT CONNECTOR UNION CU. CABLE TO AL. FLATBAR

CONECTOR RECTO BIMETÁLICO UNIÓN CABLE CU. A PLETINA AL.

RACCORD DROIT BIMETALLIQUE JONCTION CABLE CU. À BARRE MÈPLATE AL.

FIG. 1



XRCP
FIG. 1

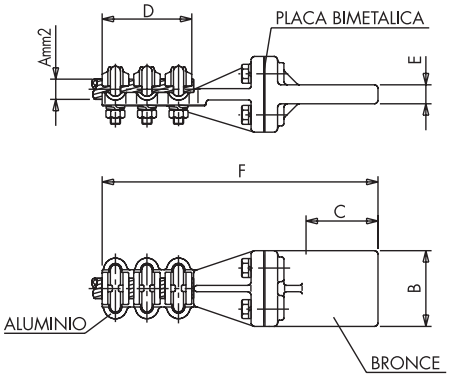
Referencia Code Référence	mm²	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D	E	F	INT.	
XRCP-15033AL	95-150	50	50	72	15	200	400	2
XRCP-15044AL	95-150	60	60	72	15	210	400	2
XRCP-15055AL	95-150	80	80	72	15	230	400	2
XRCP-15066AL	95-150	100	100	72	15	250	400	2
XRCP-15088AL	95-150	125	125	72	15	275	400	2
XRCP-25033AL	180-250	50	50	78	15	207	650	2
XRCP-25044AL	180-250	60	60	78	15	217	650	2
XRCP-25055AL	180-250	80	80	78	15	237	650	2
XRCP-25066AL	180-250	100	100	78	15	257	650	2
XRCP-25088AL	180-250	125	125	78	15	282	650	2
XRCP-40033AL	300-400	50	50	83	15	213	800	2
XRCP-40044AL	300-400	60	60	83	13	223	800	2
XRCP-40055AL	300-400	80	80	83	15	243	800	2
XRCP-40066AL	300-400	100	100	83	15	263	800	2
XRCP-40088AL	300-400	125	125	83	15	288	800	2
XRCP-50033AL	500	50	50	93	15	224	1250	3
XRCP-50044AL	500	60	60	93	15	234	1250	3
XRCP-50055AL	500	80	80	93	15	254	1250	3
XRCP-50066AL	500	100	100	93	15	274	1250	3
XRCP-50088AL	500	125	125	93	15	299	1250	3

BIMETALLIC STRAIGHT CONNECTOR UNION AL. CABLE TO CU. FLATBAR

CONECTOR RECTO BIMETÁLICO UNIÓN CABLE AL. A PLETINA CU.

RACCORD DROIT BIMETALLIQUE JONCTION CABLE AL. À BARRE MÈPLATE CU.

FIG. 2



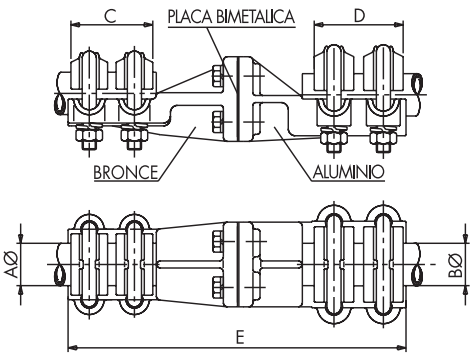
XRCP
FIG. 2

Referencia Code Référence	mm²	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	ø	B	C	D	E	F	
XRCP-14533	110-145	14-15,75	50	50	85	8	206	2
XRCP-14544	110-145	14-15,75	60	60	85	8	216	2
XRCP-14555	110-145	14-15,75	80	80	85	10	236	2
XRCP-14566	110-145	14-15,75	100	100	85	10	256	2
XRCP-18033	160-180	16-17,50	50	50	85	8	206	2
XRCP-18044	160-180	16-17,50	60	60	85	8	216	2
XRCP-18055	160-180	16-17,50	80	80	85	10	236	2
XRCP-18066	160-180	16-17,50	100	100	85	10	256	2
XRCP-28033	190-280	18-21,80	50	50	98	8	221	3
XRCP-28044	190-280	18-21,80	60	60	98	8	231	3
XRCP-28055	190-280	18-21,80	80	80	98	10	251	3
XRCP-28066	190-280	18-21,80	100	100	98	10	271	3
XRCP-38044	290-380	22-25,40	60	60	98	8	231	3
XRCP-38055	290-380	22-25,40	80	80	98	10	251	3
XRCP-38066	290-380	22-25,40	100	100	98	10	271	3
XRCP-54555	450-545	27,7-30,4	80	80	107	10	258	3
XRCP-54566	450-545	27,7-30,4	100	100	107	10	278	3
XRCP-63555	590-635	31,5-32,85	80	80	107	10	258	3
XRCP-63566	590-635	31,5-32,85	100	100	107	10	278	3

BIMETALLIC STRAIGHT CONNECTOR UNION CU. TUBE/STUD TO AL. TUBE/STUD

CONECTOR RECTO BIMETÁLICO UNIÓN TUBO/BORNA CU. A TUBO/BORNA AL.

RACCORD DROIT BIMETALLIQUE JONCTION TUBE/BORNE CU. À TUBE/BORNE AL.



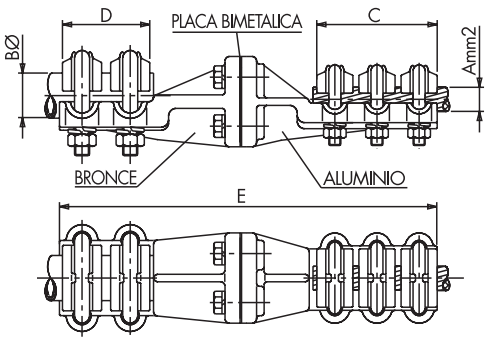
XRBB

Referencia / Code / Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	A ø	B ø	C	D	E	A	B
XRBB-2030 AL	20	30	52	67	225	2	3
XRBB-2530 AL	25	30	55	67	230	2	3
XRBB-3030 AL	30	30	62	67	237	3	3
XRBB-3040 AL	30	40	62	75	240	3	3
XRBB-4030 AL	40	30	67	67	244	3	3
XRBB-4040 AL	40	40	67	75	247	3	3
XRBB-5030 AL	50	30	75	67	249	3	3
XRBB-5040 AL	50	40	75	75	252	3	3
XRBB-5050 AL	50	50	75	80	262	3	3
XRBB-6030 AL	60	30	80	67	257	3	3
XRBB-6040 AL	60	40	80	75	260	3	3
XRBB-6050 AL	60	50	80	80	270	3	3

BIMETALLIC STRAIGHT CONNECTOR UNION CU. TUBE/STUD TO AL. CABLE

CONECTOR RECTO BIMETÁLICO UNIÓN TUBO/BORNA CU. A CABLE AL.

RACCORD DROIT BIMETALLIQUE JONCTION TUBE/BORNE CU. À CABLE AL.



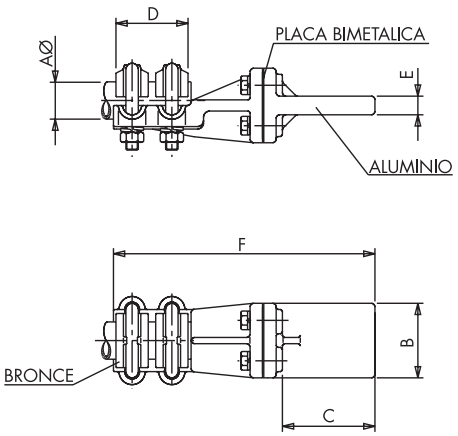
XRBC

Referencia / Code / Référence	mm²	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	A	Ø	Bø	C	D	E	A	B
XRBC-30145	110-145	14-15,75	30	85	62	248	2	3
XRBC-30180	160-180	16-17,50	30	85	62	248	2	3
XRBC-30280	190-280	18-21,80	30	98	62	263	3	3
XRBC-30380	290-380	22-25,40	30	98	62	263	3	3
XRBC-30545	450-545	27,7-30,4	30	107	62	270	3	3
XRBC-30635	590-635	31,5-32,85	30	107	62	270	3	3
XRBC-40280	190-280	18-21,80	40	98	67	271	3	3
XRBC-40380	290-380	22-25,40	40	98	67	271	3	3
XRBC-40545	450-545	27,7-30,4	40	107	67	278	3	3
XRBC-40635	590-635	31,5-32,85	40	107	67	278	3	3
XRBC-50280	190-280	18-21,80	50	98	75	276	3	3
XRBC-50380	290-380	22-25,40	50	98	75	276	3	3
XRBC-50545	450-545	27,7-30,4	50	107	75	283	3	3
XRBC-50635	590-635	31,5-32,85	50	107	75	283	3	3
XRBC-60380	290-380	22-25,4	60	98	80	284	3	3
XRBC-60545	450-545	27,7-30,4	60	107	80	291	3	3
XRBC-60635	590-635	31,5-32,85	60	107	80	291	3	3

BIMETALLIC STRAIGHT CONNECTOR UNION CU. TUBE TO AL. FLATBAR

CONECTOR RECTO BIMETÁLICO UNIÓN TUBO CU. A PLETINA AL.

RACCORD DROIT BIMETALLIQUE JONCTION TUBE CU. À BARRE MÈPLATE AL.



XRBP
FIG. 1

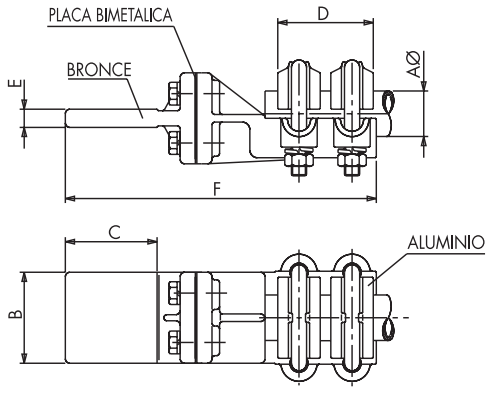
FIG. 1

Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	F	
XRBP-3033AL	30	50	50	62	15	193	3
XRBP-3044AL	30	60	60	62	15	203	3
XRBP-3055AL	30	80	80	62	15	223	3
XRBP-3066AL	30	100	100	62	15	243	3
XRBP-3088AL	30	125	125	62	15	268	3
XRBP-4033AL	40	50	50	67	15	200	3
XRBP-4044AL	40	60	60	67	15	210	3
XRBP-4055AL	40	80	80	67	15	230	3
XRBP-4066AL	40	100	100	67	15	250	3
XRBP-4088AL	40	125	125	67	15	275	3
XRBP-5044AL	50	60	60	75	15	215	3
XRBP-5055AL	50	80	80	75	15	235	3
XRBP-5066AL	50	100	100	75	15	255	3
XRBP-5088AL	50	125	125	75	15	280	3
XRBP-6044AL	60	60	60	80	15	223	3
XRBP-6055AL	60	80	80	80	15	243	3
XRBP-6066AL	60	100	100	80	15	263	3
XRBP-6088AL	60	125	125	80	15	288	3

BIMETALLIC STRAIGHT CONNECTOR UNION AL. TUBE TO CU. FLATBAR

CONECTOR RECTO BIMETÁLICO UNIÓN TUBO AL. A PLETINA CU.

RACCORD DROIT BIMETALLIQUE JONCTION TUBE AL. À BARRE MÈPLATE CU.



XRBP
FIG. 2

FIG. 2

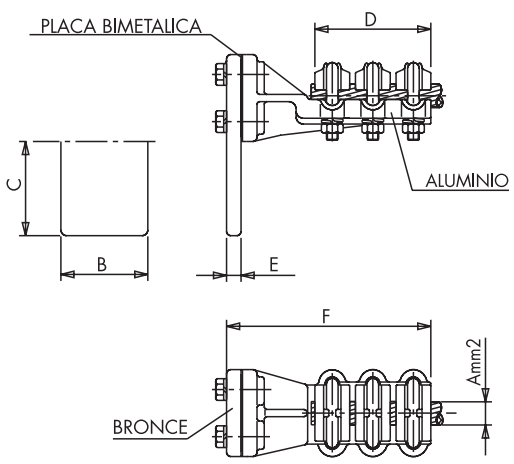
Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	F	
XRBP-3033CU	30	50	50	67	10	194	3
XRBP-3044CU	30	60	60	67	10	204	3
XRBP-3055CU	30	80	80	67	10	224	3
XRBP-3066CU	30	100	100	67	10	244	3
XRBP-4033CU	40	50	50	75	12	196	3
XRBP-4044CU	40	60	60	75	12	206	3
XRBP-4055CU	40	80	80	75	12	226	3
XRBP-4066CU	40	100	100	75	12	246	3
XRBP-5044CU	50	60	60	80	12	216	3
XRBP-5055CU	50	80	80	80	12	236	3
XRBP-5066CU	50	100	100	80	12	256	3

BIMETALLIC L CONNECTOR UNION AL. CABLE TO CU. FLATBAR

CONECTOR A 90º BIMETÁLICO UNIÓN CABLE AL. A PLETINA CU.

RACCORD À 90º BIMETALLIQUE JONCTION CABLE AL. À BARRE MÈPLATE CU.

FIG. 1



XLCP
FIG. 1

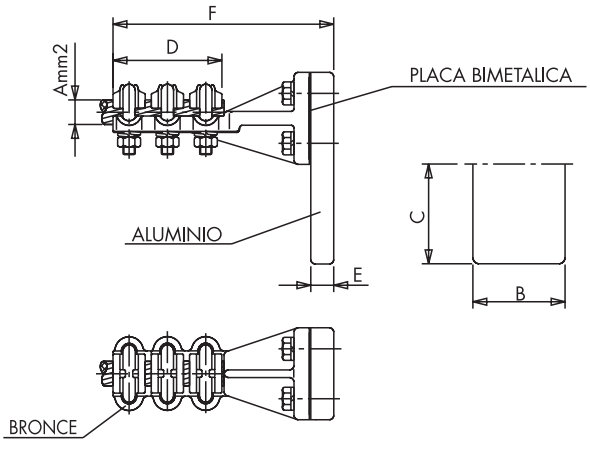
Referencia Code Référence	mm²	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	ø	B	C	D	E	F	
XLCP-14533	110-145	14-15,75	50	50	85	8	139	2
XLCP-14544	110-145	14-15,75	60	60	85	8	139	2
XLCP-14555	110-145	14-15,75	80	80	85	10	141	2
XLCP-14566	110-145	14-15,75	100	100	85	10	141	2
XLCP-18033	160-180	16-17,50	50	50	85	8	139	2
XLCP-18044	160-180	16-17,50	60	60	85	8	139	2
XLCP-18055	160-180	16-17,50	80	80	85	10	141	2
XLCP-18066	160-180	16-17,50	100	100	85	10	141	2
XLCP-28033	190-280	18-21,80	50	50	98	8	154	3
XLCP-28044	190-280	18-21,80	60	60	98	8	154	3
XLCP-28055	190-280	18-21,80	80	80	98	10	156	3
XLCP-28066	190-280	18-21,80	100	100	98	10	156	3
XLCP-38044	290-380	22-25,40	60	60	98	8	154	3
XLCP-38055	290-380	22-25,40	80	80	98	10	156	3
XLCP-38066	290-380	22-25,40	100	100	98	10	156	3
XLCP-54555	450-545	27,7-30,4	80	80	107	10	163	3
XLCP-54566	450-545	27,7-30,4	100	100	107	10	163	3
XLCP-63555	590-635	31,5-32,85	80	80	107	10	163	3
XLCP-63566	590-635	31,5-32,85	100	100	107	10	163	3

BIMETALLIC L CONNECTOR UNION CU. CABLE TO AL. FLATBAR

CONECTOR A 90º BIMETÁLICO UNIÓN CABLE CU. A PLETINA AL.

RACCORD À 90º BIMETALLIQUE JONCTION CABLE CU. À BARRE MÈPLATE AL.

FIG. 2



XLCP
FIG. 2

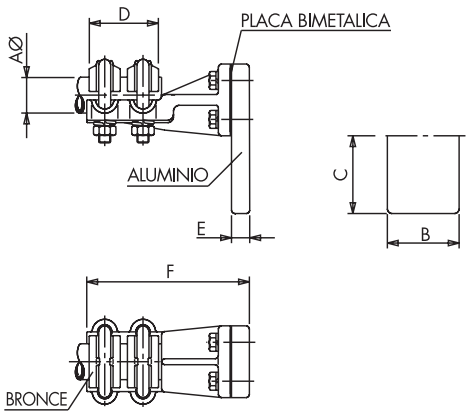
Referencia Code Référence	mm²	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	A	B	C	D	E	F	INT	
XLCP-15033AL	95-150	50	50	72	15	141	400	2
XLCP-15044AL	95-150	60	60	72	15	141	400	2
XLCP-15055AL	95-150	80	80	72	15	141	400	2
XLCP-15066AL	95-150	100	100	72	15	141	400	2
XLCP-15088AL	95-150	125	125	72	15	141	400	2
XLCP-25033AL	180-250	50	50	78	15	148	650	2
XLCP-25044AL	180-250	60	60	78	15	148	650	2
XLCP-25055AL	180-250	80	80	78	15	148	650	2
XLCP-25066AL	180-250	100	100	78	15	148	650	2
XLCP-25088AL	180-250	125	125	78	15	148	650	2
XLCP-40033AL	300-400	50	50	83	15	154	800	2
XLCP-40044AL	300-400	60	60	83	15	154	800	2
XLCP-40055AL	300-400	80	80	83	15	154	800	2
XLCP-40066AL	300-400	100	100	80	15	154	800	2
XLCP-40088AL	300-400	125	125	80	15	154	800	2
XLCP-50033AL	500	50	50	93	15	165	1250	3
XLCP-50044AL	500	60	60	93	15	165	1250	3
XLCP-50055AL	500	80	80	93	15	165	1250	3
XLCP-50066AL	500	100	100	93	15	165	1250	3
XLCP-50088AL	500	125	125	93	15	165	1250	3

BIMETALLIC L CONNECTOR UNION CU. TUBE TO AL. FLATBAR

CONECTOR A 90º BIMETÁLICO UNIÓN TUBO CU. A PLETINA AL.

RACCORD À 90º BIMETALLIQUE JONCTION TUBE CU. À BARRE MÈPLATE AL.

FIG. 1



XLBP
FIG. 1

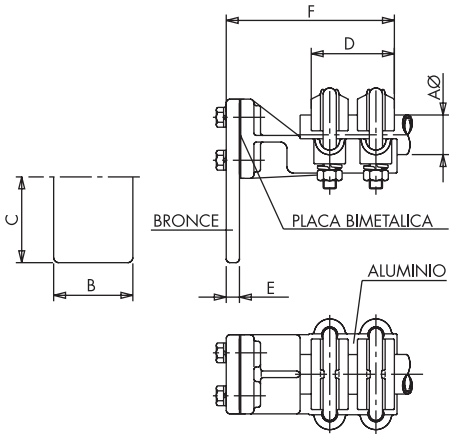
Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	F	
XLBP-3033AL	30	50	50	62	15	134	3
XLBP-3044AL	30	60	60	62	15	134	3
XLBP-3055AL	30	80	80	62	15	134	3
XLBP-3066AL	30	100	100	62	15	134	3
XLBP-3088AL	30	125	125	62	15	134	3
XLBP-4033AL	40	50	50	67	15	141	3
XLBP-4044AL	40	60	60	67	15	141	3
XLBP-4055AL	40	80	80	67	15	141	3
XLBP-4066AL	40	100	100	67	15	141	3
XLBP-4088AL	40	125	125	67	15	141	3
XLBP-5044AL	50	60	60	75	15	146	3
XLBP-5055AL	50	80	80	75	15	146	3
XLBP-5066AL	50	100	100	75	15	146	3
XLBP-5088AL	50	125	125	75	15	146	3
XLBP-6044AL	60	60	60	80	15	154	3
XLBP-6055AL	60	80	80	80	15	154	3
XLBP-6066AL	60	100	100	80	15	154	3
XLBP-6088AL	60	125	125	80	15	154	3

BIMETALLIC L CONNECTOR UNION AL. TUBE TO CU. FLATBAR

CONECTOR A 90º BIMETÁLICO UNIÓN TUBO AL. A PLETINA CU.

RACCORD À 90º BIMETALLIQUE JONCTION TUBE AL. À BARRE MÈPLATE CU.

FIG. 2



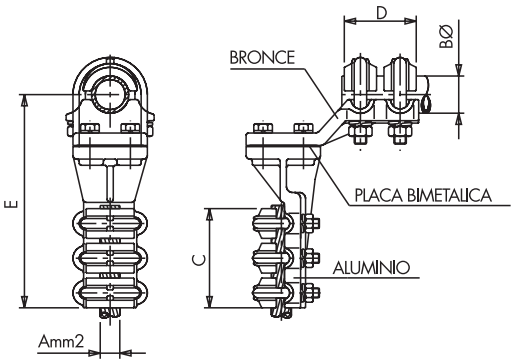
XLBP
FIG. 2

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	F	
XLBP-3033CU	30	50	50	67	10	129	3
XLBP-3044CU	30	60	60	67	10	129	3
XLBP-3055CU	30	80	80	67	10	129	3
XLBP-3066CU	30	100	100	67	10	129	3
XLBP-4033CU	40	50	50	75	10	131	3
XLBP-4044CU	40	60	60	75	10	131	3
XLBP-4055CU	40	80	80	75	10	131	3
XLBP-4066CU	40	100	100	75	10	131	3
XLBP-5044CU	50	60	60	80	10	141	3
XLBP-5055CU	50	80	80	80	10	141	3
XLBP-5066CU	50	100	100	80	10	141	3

BIMETALLIC L CONNECTOR UNION AL.CABLE TO CU. TUBE/STUD

CONECTOR A 90º BIMETÁLICO UNIÓN CABLE AL. A TUBO/BORNA CU.

RACCORD À 90º BIMETALLIQUE JONCTION CABLE AL. À TUBE/BORNE CU.



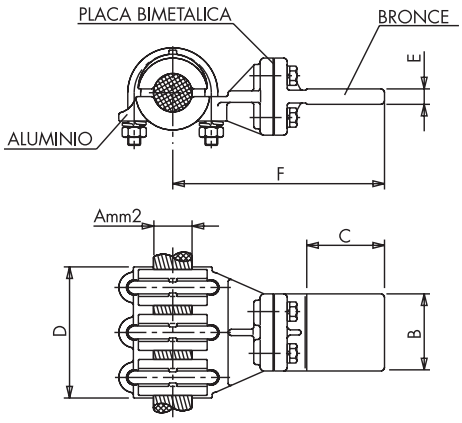
XLBC

Referencia / Code / Référence	mm²	mm.					Par de apriete / Tightening torque / Couple de serrage (kg.m)	
	A	Ø	Bø	C	D	E	A	B
XLBC-30145	110-145	14-15,75	30	85	62	174	2	3
XLBC-30180	160-180	16-17,50	30	85	62	174	2	3
XLBC-30280	190-280	18-21,80	30	98	62	189	3	3
XLBC-30380	290-380	22-25,40	30	98	62	189	3	3
XLBC-30545	450-545	27,7-30,4	30	107	62	196	3	3
XLBC-30635	590-635	31,5-32,85	30	107	62	196	3	3
XLBC-40180	160-180	16-17,50	40	85	67	174	3	3
XLBC-40280	190-280	18-21,80	40	98	67	189	3	3
XLBC-40380	290-380	22-25,40	40	98	67	189	3	3
XLBC-40545	450-545	27,7-30,4	40	107	67	196	3	3
XLBC-40635	590-635	31,5-32,85	40	107	67	196	3	3
XLBC-50280	190-280	18-21,40	50	98	75	191	3	3
XLBC-50380	290-380	22-25,40	50	98	75	191	3	3
XLBC-50545	450-545	27,7-30,4	50	107	75	198	3	3
XLBC-50635	590-635	31,5-32,85	50	107	75	198	3	3
XLBC-60380	290-380	22-25,40	60	98	80	194	3	3
XLBC-60545	450-545	27,7-30,4	60	107	80	202	3	3
XLBC-60635	590-635	31,5-32,85	60	107	80	202	3	3

BIMETALLIC T CONNECTOR THROUGH AL. CABLE TO CU. FLATBAR

DERIVACIÓN EN T BIMETÁLICA CABLE AL. PASANTE A PLETINA CU.

RACCORD EN T BIMETALLIQUE CABLE AL. TRAVERSANT À BARRE MÈPLATE CU.



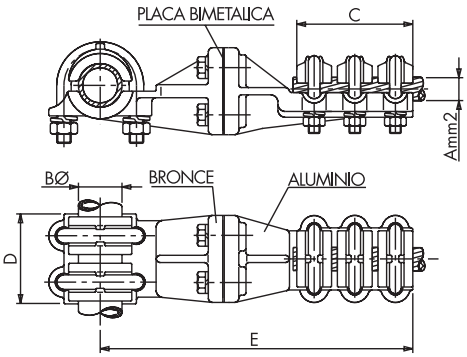
XDCP

Referencia / Code / Référence	mm²	mm.						Par de apriete / Tightening torque / Couple de serrage (kg.m)
	A	ø	B	C	D	E	F	
XDCP-14533	110-145	14-15,75	50	50	85	8	146	2
XDCP-14544	110-145	14-15,75	60	60	85	8	156	2
XDCP-14555	110-145	14-15,75	80	80	85	10	176	2
XDCP-14566	110-145	14-15,75	100	100	85	10	196	2
XDCP-18033	160-180	16-17,50	50	50	85	8	146	2
XDCP-18044	160-180	16-17,50	60	60	85	8	156	2
XDCP-18055	160-180	16-17,50	80	80	85	10	176	2
XDCP-18066	160-180	16-17,50	100	100	85	10	196	2
XDCP-28033	190-280	18-21,80	50	50	98	8	152	3
XDCP-28044	190-280	18-21,80	60	60	98	8	162	3
XDCP-28055	190-280	18-21,80	80	80	98	10	182	3
XDCP-28066	190-280	18-21,80	100	100	98	10	202	3
XDCP-38044	290-380	22-25,40	60	60	98	8	162	3
XDCP-38055	290-380	22-25,40	80	80	98	10	182	3
XDCP-38066	290-380	22-25,40	100	100	98	10	202	3
XDCP-54555	450-545	27,7-30,4	80	80	107	10	189	3
XDCP-54566	450-545	27,7-30,4	100	100	107	10	209	3
XDCP-63555	590-635	31,5-32,85	80	80	107	10	189	3
XDCP-63566	590-635	31,5-32,85	100	100	107	10	209	3

BIMETALLIC T CONNECTOR THROUGH CU. TUBE/STUD AND TAP AL. CABLE

DERIVACION EN T BIMETÁLICA TUBO/BORNA CU. PASANTE Y DERIVADO CABLE AL.

RACCORD EN T BIMETALLIQUE TUBE/BORNE CU. TRAVERSANT ET DÉRIVÉ CABLE AL.



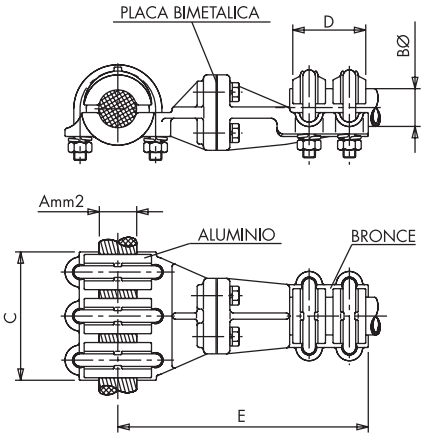
XDBC

Referencia / Code / Référence	mm²	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	A	Ø	Bø	C	D	E	A	B
XDBC-30145	110-145	14-15,75	30	85	62	216	2	3
XDBC-30180	160-180	16-17,50	30	85	62	216	2	3
XDBC-30280	190-280	18-21,80	30	98	62	231	3	3
XDBC-30380	290-380	22-25,40	30	98	62	231	3	3
XDBC-30545	450-545	27,7-30,4	30	107	62	238	3	3
XDBC-30635	590-635	31,5-32,85	30	107	62	238	3	3
XDBC-40180	160-180	16-17,50	40	85	67	219	3	3
XDBC-40280	190-280	18-21,80	40	98	67	234	3	3
XDBC-40380	290-380	22-25,40	40	98	67	234	3	3
XDBC-40545	450-545	27,7-30,4	40	107	67	241	3	3
XDBC-40635	590-635	31,5-32,85	40	107	67	241	3	3
XDBC-50280	190-280	18-21,80	50	98	75	242	3	3
XDBC-50380	290-380	22-25,40	50	98	75	242	3	3
XDBC-50545	450-545	27,7-30,4	50	107	75	249	3	3
XDBC-50635	590-635	31,5-32,85	50	107	75	249	3	3
XDBC-60380	290-380	22-25,40	60	98	80	246	3	3
XDBC-60545	450-545	27,7-30,4	60	107	80	253	3	3
XDBC-60635	590-635	31,5-32,85	60	107	80	253	3	3

BIMETALLIC T CONNECTOR THROUGH AL. CABLE AND TAP CU. TUBE/STUD

DERIVACION EN T BIMETÁLICA CABLE AL. PASANTE Y DERIVADO TUBO/BORNA CU.

RACCORD EN T BIMETALLIQUE CABLE AL. TRAVERSANT ET DÉRIVÉ TUBE/BORNE CU.

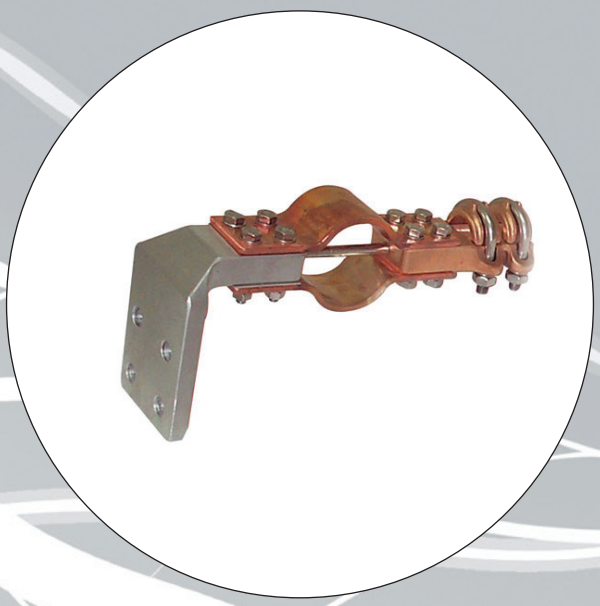


XDCB

Referencia / Code / Référence	mm²	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	A	Ø	Bø	C	D	E	A	B
XDCB-14530	110-145	14-15,75	30	85	62	190	2	3
XDCB-18030	160-180	16-17,50	30	85	62	190	2	3
XDCB-28030	190-280	18-21,80	30	98	62	196	3	3
XDCB-38030	290-380	22-25,4	30	98	62	196	3	3
XDCB-54530	450-545	27,7-30,4	30	107	62	203	3	3
XDCB-63530	590-635	31,5-32,85	30	107	62	203	3	3
XDCB-18040	160-180	16-17,50	40	85	67	197	3	3
XDCB-28040	190-280	18-21,80	40	98	67	203	3	3
XDCB-38040	290-380	22-25,40	40	98	67	203	3	3
XDCB-54540	450-545	27,7-30,4	40	107	67	210	3	3
XDCB-63540	590-635	31,5-32,85	40	107	67	210	3	3
XDCB-28050	190-280	18-21,80	50	98	75	207	3	3
XDCB-38050	290-380	22-25,40	50	98	75	207	3	3
XDCB-54550	450-545	27,7-30,4	50	107	75	214	3	3
XDCB-63550	590-635	31,5-32,85	50	107	75	214	3	3
XDCB-38060	290-380	22-25,40	60	98	80	215	3	3
XDCB-54560	450-545	27,7-30,4	60	107	80	222	3	3
XDCB-63560	590-635	31,5-32,85	60	107	80	222	3	3


Powering Progress

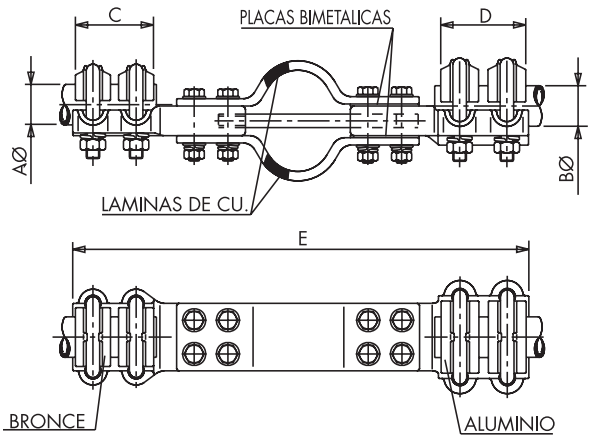
Expansion Connectors
Conectores de Dilatación
Raccords Souples



BIMETALLIC EXPANSION STRAIGHT CONNECTOR GUIDED UNION CU. TUBE/STUD TO AL. TUBE

CONECTOR RECTO DE DILATACIÓN BIMETÁLICO GUIADO UNIÓN TUBO/BORNA CU. A TUBO AL.

RACCORD DROIT SOUPLE BIMETALLIQUE GUIÉE JONCTION TUBE/BORNE CU. À TUBE AL.



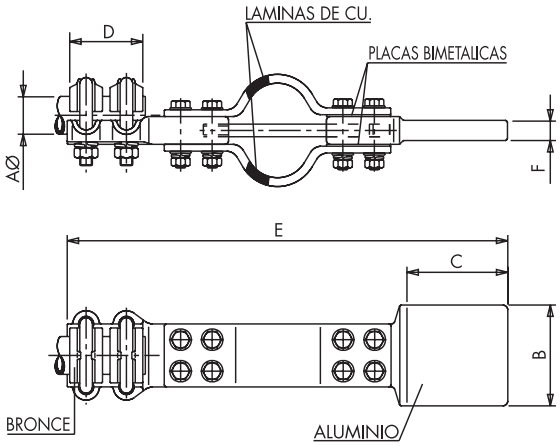
XRFBB

Referencia / Code / Référence	mm.					Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	Bø	C	D	E	
XRFBB-3030AL	30	30	62	67	340	3
XRFBB-3040AL	30	40	62	75	358	3
XRFBB-3050AL	30	50	62	80	360	3
XRFBB-4030AL	40	30	67	67	350	3
XRFBB-4040AL	40	40	67	75	363	3
XRFBB-4050AL	40	50	67	80	365	3
XRFBB-5030AL	50	30	75	67	363	3
XRFBB-5040AL	50	40	75	75	370	3
XRFBB-5050AL	50	50	75	80	373	3

BIMETALLIC EXPANSION STRAIGHT CONNECTOR GUIDED UNION CU. TUBE/STUD TO AL. FLATBAR

CONECTOR RECTO DE DILATACIÓN BIMETÁLICO GUIADO UNIÓN TUBO/BORNA CU. A PLETINA AL.

RACCORD DROIT SOUPLE BIMETALLIQUE GUIÉE JONCTION TUBE/BORNE CU. À BARRE MÉPLATE AL.



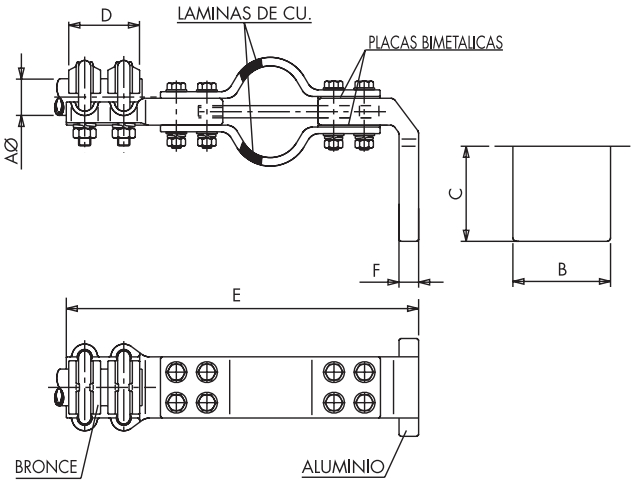
XRFBP

Referencia / Code / Référence	mm.						Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	B	C	D	E	F	
XRFBP-3033AL	30	50	50	62	325	15	3
XRFBP-3044AL	30	60	60	62	335	15	3
XRFBP-3055AL	30	80	80	62	355	15	3
XRFBP-3066AL	30	100	100	62	375	15	3
XRFBP-3088AL	30	125	125	62	400	15	3
XRFBP-4044AL	40	60	60	67	345	15	3
XRFBP-4055AL	40	80	80	67	365	15	3
XRFBP-4066AL	40	100	100	67	382	15	3
XRFBP-4088AL	40	125	125	67	410	15	3
XRFBP-5044AL	50	60	60	75	355	15	3
XRFBP-5055AL	50	80	80	75	375	15	3
XRFBP-5066AL	50	100	100	75	395	15	3
XRFBP-5088AL	50	125	125	75	420	15	3
XRFBP-6044AL	60	60	60	80	360	15	3
XRFBP-6055AL	60	80	80	80	380	15	3
XRFBP-6066AL	60	100	100	80	400	15	3
XRFBP-6088AL	60	125	125	80	425	15	3

BIMETALLIC EXPANSION L CONNECTOR GUIDED UNION CU. TUBE/STUD TO AL. FLATBAR

CONECTOR A 90º DE DILATACIÓN BIMETÁLICO GUIADO UNIÓN TUBO/BORNA CU. A PLETINA AL.

RACCORD EQUERRE SOUPLE BIMETALLIQUE GUIÉE JONCTION TUBE/BORNE CU. À BARRE MÉPLATE AL.



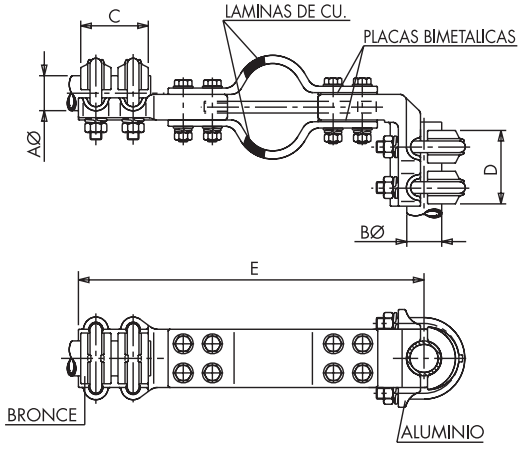
XLFBP

Referencia Code Référence	m m .						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	F	
XLFBP-3033AL	30	50	50	62	325	15	3
XLFBP-3044AL	30	60	60	62	335	15	3
XLFBP-3055AL	30	80	80	62	355	15	3
XLFBP-3066AL	30	100	100	62	375	15	3
XLFBP-3088AL	30	125	125	62	400	15	3
XLFBP-4044AL	40	60	60	67	345	15	3
XLFBP-4055AL	40	80	80	67	365	15	3
XLFBP-4066AL	40	100	100	67	382	15	3
XLFBP-4088AL	40	125	125	67	410	15	3
XLFBP-5044AL	50	60	60	75	355	15	3
XLFBP-5055AL	50	80	80	75	375	15	3
XLFBP-5066AL	50	100	100	75	395	15	3
XLFBP-5088AL	50	125	125	75	420	15	3
XLFBP-6044AL	60	60	60	80	360	15	3
XLFBP-6055AL	60	80	80	80	380	15	3
XLFBP-6066AL	60	100	100	80	400	15	3
XRFBP-6088AL	60	125	125	80	425	15	3

BIMETALLIC EXPANSION L CONNECTOR GUIDED UNION CU. TUBE/STUD TO AL. TUBE

CONECTOR A 90º DE DILATACIÓN BIMETÁLICO GUIADO UNIÓN TUBO/BORNA CU. A TUBO AL.

RACCORD EQUERRE SOUPLE BIMETALLIQUE GUIÉE JONCTION TUBE/BORNE CU. À TUBE AL.



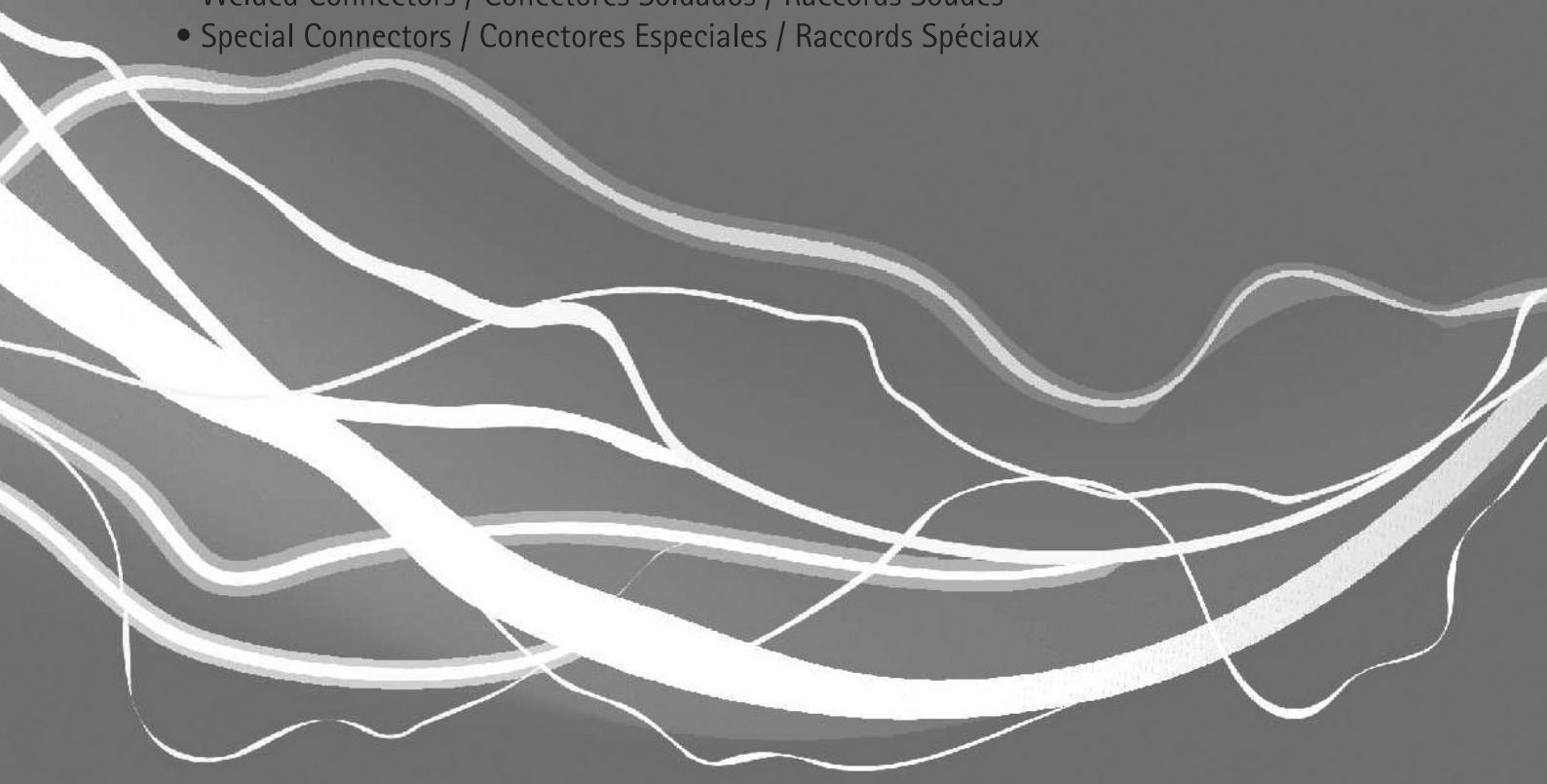
XLFBB

Referencia Code Référence	m m .					Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	Bø	C	D	E	
XLFBB-3030AL	30	30	62	67	298	3
XLFBB-3040AL	30	40	62	75	308	3
XLFBB-3050AL	30	50	62	80	318	3
XLFBB-4030AL	40	30	67	67	307	3
XLFBB-4040AL	40	40	67	75	317	3
XLFBB-4050AL	40	50	67	80	327	3
XLFBB-5030AL	50	30	75	67	325	3
XLFBB-5040AL	50	40	75	75	335	3
XLFBB-5050AL	50	50	75	80	345	3


Powering Progress

Other Connections
Otras Conexiones
Autres Connexions

- Aluminium Connectors / Conectores de Aluminio / Raccords D'Aluminium
- Compressed Connectors / Conectores de Compresión / Raccords à Compression
- Welded Connectors / Conectores Soldados / Raccords Soudés
- Special Connectors / Conectores Especiales / Raccords Spéciaux




Powering Progress

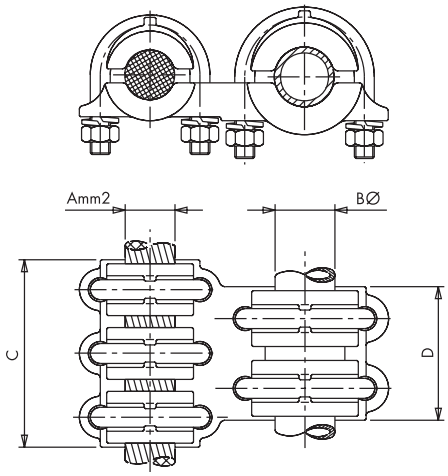
Aluminium Connectors
Conectores de Aluminio
Raccords D'Aluminium



PARALLEL CONNECTOR FOR AL. TUBE AND AL. CABLE

CONECTOR PARALELO PARA TUBO AL. Y CABLE AL.

RACCORD PARALLÈLE POUR TUBE AL. ET CABLE AL.



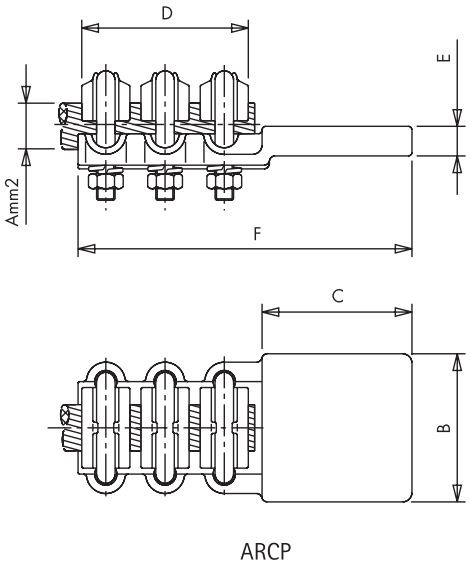
AUBC

Referencia / Code / Référence	mm² A Mín.	mm² A Max.	mm Bø	mm C	mm D	Par de apriete Tightening torque Couple de serrage (kg.m) A	Par de apriete Tightening torque Couple de serrage (kg.m) B
AUBC-14530	110	145	30	85	67	2	3
AUBC-18030	160	180	30	85	67	2	3
AUBC-28030	190	280	30	98	67	3	3
AUBC-38030	290	380	30	98	67	3	3
AUBC-54530	450	545	30	107	67	3	3
AUBC-63530	590	635	30	107	67	3	3
AUBC-18040	160	180	40	85	75	2	3
AUBC-28040	190	280	40	98	75	3	3
AUBC-38040	290	380	40	98	75	3	3
AUBC-54540	450	545	40	107	75	3	3
AUBC-63540	590	635	40	107	75	3	3
AUBC-28050	190	280	50	98	80	3	3
AUBC-38050	290	380	50	98	80	3	3
AUBC-54550	450	545	50	107	80	3	3
AUBC-63550	590	635	50	107	80	3	3

STRAIGHT CONNECTOR UNION AL. CABLE TO AL. FLATBAR

CONECTOR RECTO UNIÓN CABLE AL. A PLETINA AL.

RACCORD DROIT JONCTION CABLE AL. À BARRE MÉPLATE AL.



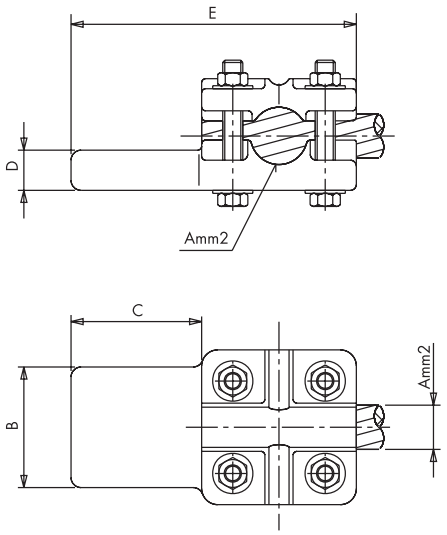
ARCP

Referencia / Code / Référence	mm² A Mín.	mm² A Max.	mm Aø Mín.	mm Aø Max.	mm B	mm C	mm D	mm E	mm F	Par de apriete Tightening torque Couple de serrage (kg.m)
ARCP-14533	110	145	14	15,75	50	50	85	15	145	2
ARCP-14544	110	145	14	15,75	60	60	85	15	155	2
ARCP-14555	110	145	14	15,75	80	80	85	15	175	2
ARCP-14566	110	145	14	15,75	100	100	85	15	195	2
ARCP-14588	110	145	14	15,75	125	125	85	15	220	2
ARCP-18033	160	180	16	17,50	50	50	85	15	145	2
ARCP-18044	160	180	16	17,50	60	60	85	15	155	2
ARCP-18055	160	180	16	17,50	80	80	85	15	175	2
ARCP-18066	160	180	16	17,50	100	100	85	15	195	2
ARCP-18088	160	180	16	17,50	125	125	85	15	220	2
ARCP-28033	190	280	18	21,80	50	50	98	15	158	3
ARCP-28044	190	280	18	21,80	60	60	98	15	168	3
ARCP-28055	190	280	18	21,80	80	80	98	15	188	3
ARCP-28066	190	280	18	21,80	100	100	98	15	208	3
ARCP-28088	190	280	18	21,80	125	125	98	15	233	3
ARCP-38044	290	380	22	25,40	60	60	98	15	168	3
ARCP-38055	290	380	22	25,40	80	80	98	15	188	3
ARCP-38066	290	380	22	25,40	100	100	98	15	208	3
ARCP-38088	290	380	22	25,40	125	125	98	15	233	3
ARCP-54555	450	545	27,7	30,4	80	80	107	15	197	3
ARCP-54566	450	545	27,7	30,4	100	100	107	15	217	3
ARCP-54588	450	545	27,7	30,4	125	125	107	15	242	3
ARCP-63555	590	635	31,5	32,85	80	80	107	15	197	3
ARCP-63566	590	635	31,5	32,85	100	100	107	15	217	3
ARCP-63588	590	635	31,5	32,85	125	125	107	15	242	3

STRAIGHT CONNECTOR OR TAP FOR AL. CABLES TO FLATBAR

CONEXIÓN RECTA O DERIVACIÓN PARA CABLES AL. A PLETINA

RACCORD DROIT OU DERIVÉ POUR CABLES AL. À BARRE MÉPLATE



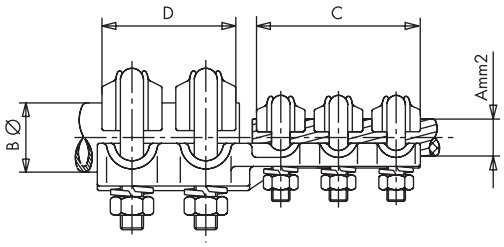
ADXP

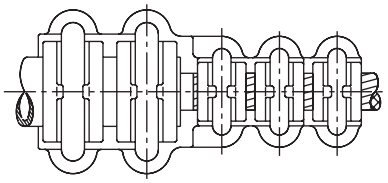
Referencia / Code / Référence	mm² A Mín.	mm² A Max.	mm Aø Mín.	mm Aø Max.	mm B	mm C	mm D	mm E	Par de apriete Tightening torque Couple de serrage (kg.m)
ADXP-3344	50	630	9,5	33	60	60	20	140	3
ADXP-3355	50	630	9,5	33	80	80	20	160	3
ADXP-3366	50	630	9,5	33	100	100	20	180	3

STRAIGHT CONNECTOR UNION AL. TUBE TO AL. CABLE

CONECTOR RECTO UNIÓN TUBO AL. A CABLE AL.

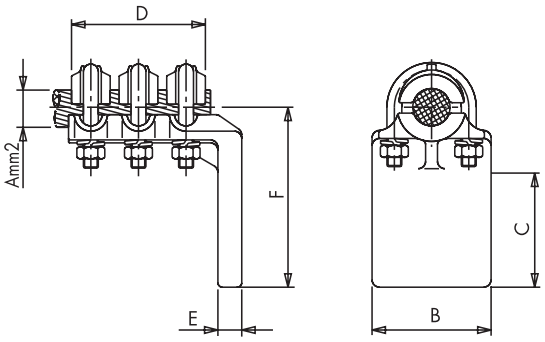
RACCORD DROIT JONCTION TUBE AL. À CABLE AL.





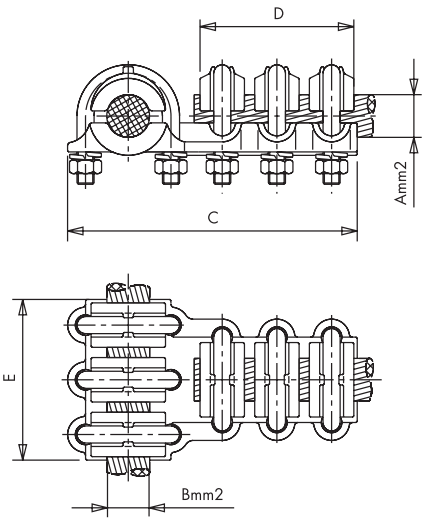
ARBC

Referencia / Code / Référence	mm² A Mín.	mm² A Max.	mm Aø Mín.	mm Aø Max.	mm Bø	mm C	mm D	Par de apriete Tightening torque Couple de serrage (kg.m) A	Par de apriete Tightening torque Couple de serrage (kg.m) B
ARBC-30145	110	145	14	15,75	30	85	67	3	2
ARBC-30180	160	180	16	17,50	30	85	67	3	2
ARBC-30280	190	280	18	21,80	30	98	67	3	3
ARBC-30380	290	380	22	25,40	30	98	67	3	3
ARBC-30545	450	545	27,7	30,4	30	107	67	3	3
ARBC-30635	590	635	31,5	32,85	30	107	67	3	3
ARBC-40180	160	180	16	17,50	40	98	75	3	2
ARBC-40280	190	280	18	21,80	40	98	75	3	3
ARBC-40380	290	380	22	25,40	40	98	75	3	3
ARBC-40545	450	545	27,7	30,4	40	107	75	3	3
ARBC-40635	590	635	31,5	32,85	40	107	75	3	3
ARBC-50280	190	280	18	21,80	50	98	80	3	3
ARBC-50380	290	380	22	25,40	50	98	80	3	3
ARBC-50545	450	545	27,7	30,4	50	107	80	3	3
ARBC-50635	590	635	31,5	32,85	50	107	80	3	3



ALCP

Referencia / Code / Référence	mm² A Mín.	mm² A Max.	mm Aø Mín.	mm Aø Max.	mm B	mm C	mm D	mm E	mm F	Par de apriete Tightening torque Couple de serrage (kg.m)
ALCP-14533	110	145	14	15,75	50	50	85	15	85	2
ALCP-14544	110	145	14	15,75	60	60	85	15	95	2
ALCP-14555	110	145	14	15,75	80	80	85	15	115	2
ALCP-14566	110	145	14	15,75	100	100	85	15	135	2
ALCP-14588	110	145	14	15,75	125	125	85	15	160	2
ALCP-18033	160	180	16	17,50	50	50	85	15	85	2
ALCP-18044	160	180	16	17,50	60	60	85	15	95	2
ALCP-18055	160	180	16	17,50	80	80	85	15	115	2
ALCP-18066	160	180	16	17,50	100	100	85	15	135	2
ALCP-18088	160	180	16	17,50	125	125	85	15	160	2
ALCP-28033	190	280	18	21,80	50	50	98	15	89	3
ALCP-28044	190	280	18	21,80	60	60	98	15	99	3
ALCP-28055	190	280	18	21,80	80	80	98	15	119	3
ALCP-28066	190	280	18	21,80	100	100	98	15	139	3
ALCP-28088	190	280	18	21,80	125	125	98	15	164	3
ALCP-38044	290	380	22	25,40	60	60	98	15	99	3
ALCP-38055	290	380	22	25,40	80	80	98	15	119	3
ALCP-38066	290	380	22	25,40	100	100	98	15	139	3
ALCP-38088	290	380	22	25,40	125	125	98	15	164	3
ALCP-54555	450	545	27,7	30,4	80	80	107	15	120	3
ALCP-54566	450	545	27,7	30,4	100	100	107	15	140	3
ALCP-54588	450	545	27,7	30,4	125	125	107	15	165	3
ALCP-63555	590	635	31,5	32,85	80	80	107	15	120	3
ALCP-63566	590	635	31,5	32,85	100	100	107	15	140	3
ALCP-63588	590	635	31,5	32,85	125	125	107	15	165	3



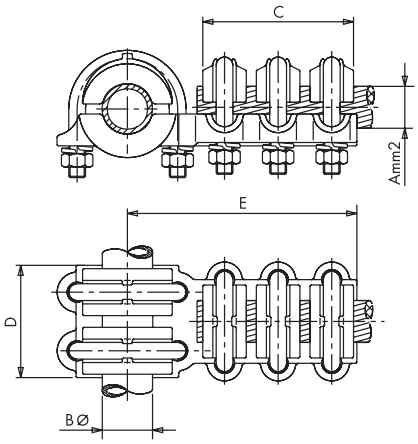
ADCC

Referencia Code Référence	mm²				mm			Par de apriete Tightening torque Couple de serrage (kg.m)	
	A		B		C	D	E		
	Mín.	Max.	Mín.	Max.				A	B
ADCC-145	110	145	110	145	135	85	85	2	2
ADCC-145180	110	145	160	180	135	85	85	2	2
ADCC-145280	110	145	190	280	142	98	85	2	3
ADCC-145380	110	145	290	380	152	98	85	2	3
ADCC-145545	110	145	450	545	163	107	85	2	3
ADCC-145635	110	145	590	635	163	107	85	2	3
ADCC-180145	160	180	110	145	135	85	85	2	2
ADCC-180	160	180	160	180	135	85	85	2	2
ADCC-180280	160	180	190	280	142	98	85	2	3
ADCC-180380	160	180	290	380	152	98	85	2	3
ADCC-180545	160	180	450	545	163	107	85	2	3
ADCC-180635	160	180	590	635	163	107	85	2	3
ADCC-280180	190	280	160	180	148	85	98	3	2
ADCC-280	190	280	190	280	148	98	98	3	3
ADCC-280380	190	280	290	380	160	98	98	3	3
ADCC-280545	190	280	450	545	172	107	98	3	3
ADCC-280635	190	280	590	635	172	107	98	3	3
ADCC-380280	290	380	190	280	174	98	98	3	3
ADCC-380	290	380	290	380	174	98	98	3	3
ADCC-380545	290	380	450	545	183	107	98	3	3
ADCC-380635	290	380	590	635	183	107	98	3	3
ADCC-545280	450	545	190	280	187	98	107	3	3
ADCC-545380	450	545	290	380	187	98	107	3	3
ADCC-545	450	545	450	545	196	107	107	3	3
ADCC-545635	450	545	590	635	196	107	107	3	3
ADCC-635545	590	635	450	545	196	107	107	3	3
ADCC-635	590	635	590	635	196	107	107	3	3

T CONNECTOR THROUGH AL. TUBE AND TAP AL. CABLE

DERIVACIÓN EN T TUBO PASANTE AL. Y DERIVADO CABLE AL.

RACCORD EN T TUBE AL. TRAVERSANT ET DÉRIVÉ CABLE AL.



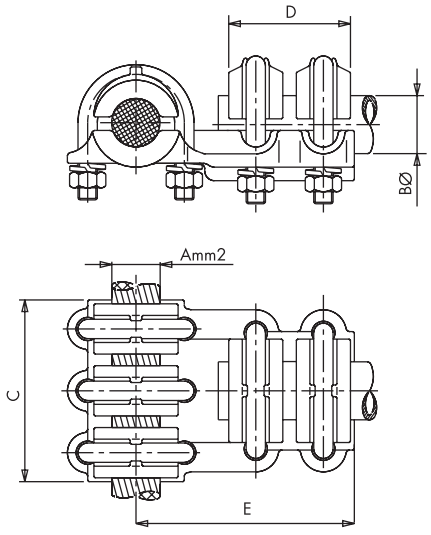
ADBC

Referencia / Code / Référence	mm²		mm						Par de apriete Tightening torque Couple de serrage (kg.m)	
	A		Aø		Bø	C	D	E		
	Mín.	Max.	Mín.	Max.					A	B
ADBC-30145	110	145	14	15,75	30	85	67	131	3	2
ADBC-30180	160	180	16	17,50	30	85	67	131	3	2
ADBC-30280	190	280	18	21,80	30	98	67	145	3	3
ADBC-30380	290	380	22	25,40	30	98	67	145	3	3
ADBC-30545	450	545	27,7	30,4	30	107	67	155	3	3
ADBC-30635	590	635	31,5	32,85	30	107	67	155	3	3
ADBC-40180	160	180	16	17,50	40	98	75	141	3	2
ADBC-40280	190	280	18	21,80	40	98	75	153	3	3
ADBC-40380	290	380	22	25,40	40	98	75	153	3	3
ADBC-40545	450	545	27,7	30,4	40	107	75	162	3	3
ADBC-40635	590	635	31,5	32,85	40	107	75	162	3	3
ADBC-50280	190	280	18	21,80	50	98	80	159	3	3
ADBC-50380	290	380	22	25,40	50	98	80	159	3	3
ADBC-50545	450	545	27,7	30,4	50	107	80	168	3	3
ADBC-50635	590	635	31,5	32,85	50	107	80	168	3	3

T CONNECTOR THROUGH AL. CABLE AND TAP AL. TUBE/STUD

DERIVACIÓN EN T CABLE PASANTE AL. Y DERIVADO TUBO/BORNA AL.

RACCORD EN T CABLE AL. TRAVERSANT ET DÉRIVÉ TUBE/BORNE AL.



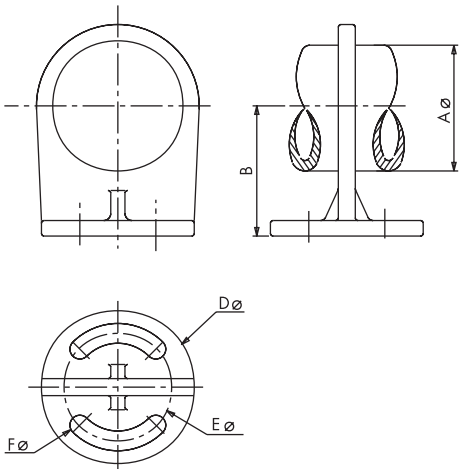
ADCB

Referencia / Code / Référence	mm²		mm				Par de apriete Tightening torque Couple de serrage (kg.m)	
	A		Bø	C	D	E		
	Mín.	Max.					A	B
ADCB-14530	110	145	30	85	67	98	2	3
ADCB-18030	160	180	30	85	67	98	2	3
ADCB-28030	190	280	30	98	67	102	3	3
ADCB-38030	290	380	30	98	67	108	3	3
ADCB-54530	450	545	30	107	67	114	3	3
ADCB-63530	590	635	30	107	67	114	3	3
ADCB-18040	160	180	40	85	75	106	2	3
ADCB-28040	190	280	40	98	75	110	3	3
ADCB-38040	290	380	40	98	75	116	3	3
ADCB-54540	450	545	40	107	75	122	3	3
ADCB-63540	590	635	40	107	75	122	3	3
ADCB-28050	190	280	50	98	80	117	3	3
ADCB-38050	290	380	50	98	80	123	3	3
ADCB-54550	450	545	50	107	80	129	3	3
ADCB-63550	590	635	50	107	80	129	3	3

SLIDING SUPPORT FOR AL. TUBE ON INSULATOR

SOPORTE DESLIZANTE PARA TUBO AL. MONTADO SOBRE AISLADOR

SUPPORT COULISSANT POUR TUBE AL. SUR PILLARD



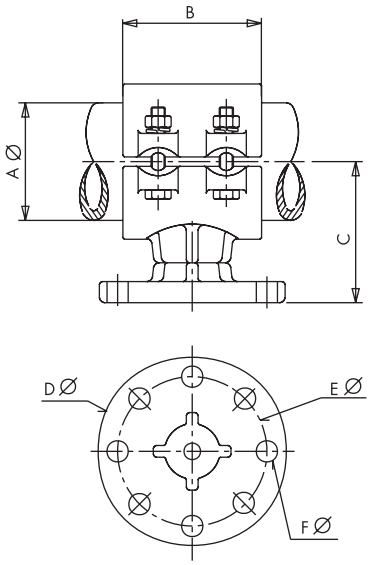
ASPD

Referencia Code Référence	Tubo A IPS	mm				
		Aø	B	Dø	Eø	Fø
ASPD-33*	1"	33,4	57	SEGUN NOTA	SEGUN NOTA	SEGUN NOTA
ASPD-42*	1 1/4"	42,17	60			
ASPD-48*	1 1/2"	48,26	64			
ASPD-60*	2"	60,32	70			
ASPD-73*	2 1/2"	73,02	79			
ASPD-89*	3"	88,9	92			

FIX SUPPORT AL. TUBE ON INSULATOR

SOPORTE FIJO TUBO AL. MONTADO SOBRE AISLADOR

SUPPORT FIXE TUBE AL. SUR PILLARD



APB

Referencia Code Référence	mm						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	Dø	Eø	Fø	P.A.
APB-50*	50	80	80	SEGUN NOTA	SEGUN NOTA	SEGUN NOTA	5
APB-60*	60	80	90				5
APB-70*	70	90	90				5
APB-80*	80	90	100				5
APB-90*	90	95	100				5
APB-100*	100	115	120				5

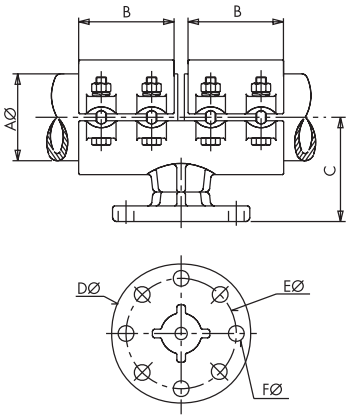
NOTA/NOTE:

	Dø	Eø	Fø
TIPO 1	108	76	14
TIPO 2	158	127	18

MEDIDAS FIJACION DE AISLADOR
FIXING INSULATOR DIMENTIONS
MESURES DE FIXATION D'ISOLATEUR

SOPORTE FIJO/DESLIZANTE PARA TUBOS AL. MONTADO SOBRE AISLADOR

SUPPORT FIXE/COULISSANT POUR TUBES AL. SUR PILLARD



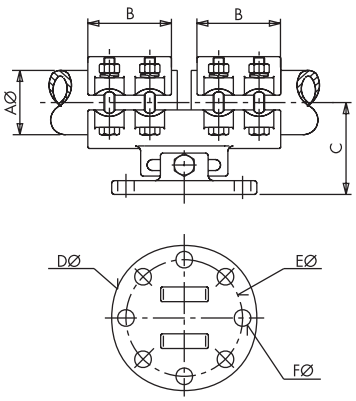
APEB

Referencia / Code / Référence	mm.						Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	B	C	Dø	Eø	Fø	A
APEB-5050*	50	80	80	SEGUN NOTA	SEGUN NOTA	SEGUN NOTA	5
APEB-6060*	60	80	90				5
APEB-7070*	70	90	90				5
APEB-8080*	80	90	100				5
APEB-9090*	90	95	100				5
APEB-100100*	100	115	120				5
APEB-120120*	120	115	145				5

NOTA *: A INDICAR SI ES FIJO O DESLIZANTE.
EJEMPLO: APEB (FIJO) / APEBD (DESLIZANTE)

NOTE *: SPECIFY IF IT IS FIX/SLIDE.
EXAMPLE: APEB (FIX) / APEBD (SLIDING)

NOTE *: À PRECISER SI DOIT ÊTRE FIXE OU COULISSANT.
EXEMPLE: APEB (FIXE) / APEBD (COULISSANT)

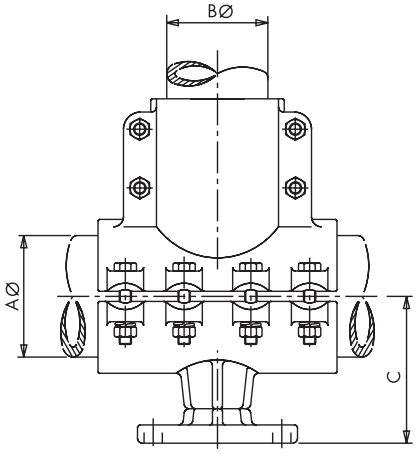


APEBD

T SUPPORT FOR UNION AL. TUBES AND ANOTHER VERTICAL ON INSULATOR

SOPORTE EN T PARA UNIÓN DE TUBOS AL .Y OTRO VERTICAL MONTADO SOBRE AISLADOR

SUPPORT EN T POUR JONCTION TUBES AL. ET AUTRE *VERTICAL* SUR PILLARD

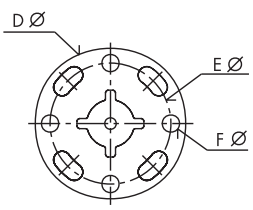


Referencia / Code / Référence	mm.						Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	Bø	C	Dø	Eø	Fø	A
APEBV-6050*	60	50	90	SEGUN NOTA	SEGUN NOTA	SEGUN NOTA	5
APEBV-7050*	70	50	90				5
APEBV-8050*	80	50	100				5
APEBV-9060*	90	60	100				5
APEBV-10070*	100	70	120				5
APEBV-10090*	100	90	120				5
APEBV-120100*	120	100	145				5

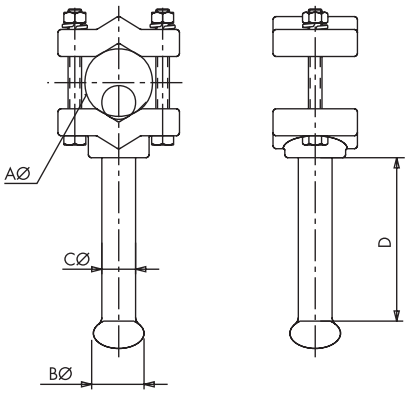
NOTA/NOTE:

	Dø	Eø	Fø
TIPO 1	108	76	14
TIPO 2	158	127	18

MEDIDAS FIJACION DE AISLADOR
FIXING INSULATOR DIMENTIONS
MESURES DE FIXATION D'ISOLATEUR



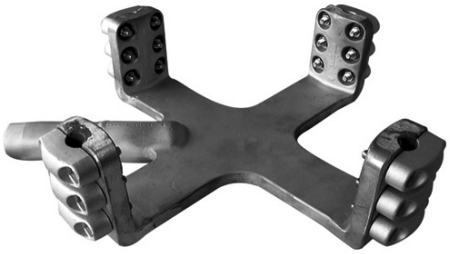
APEBV



APFP

Referencia Code Référence	m m .				Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	Bø	Cø	D	
APFP-10/25	10-25	30	20	95	2
APFP-20/40	20-40	30	20	95	2
APFP-40/60	40-60	30	20	95	3

Compressed Connectors
Conectores de Compresión
Raccords à Compression



CMD4C3CC



CMLBCC



CMPUC



CMUCCC



CMPVUC



CMLD3CC



CMRDCP



CMLDCP



CMR3CCBT

Welded Connectors
Conectores Soldados
Raccords Soudés

CONECTORES SOLDADOS / WELDED TYPE CONNECTORS / SRACCORDS A SOUDER



SOLLBB



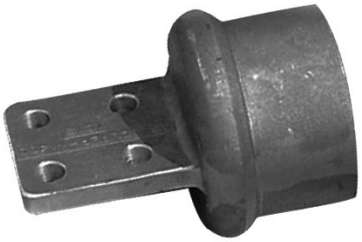
SOLPEBID



SOLRBB



SOLTBP2P



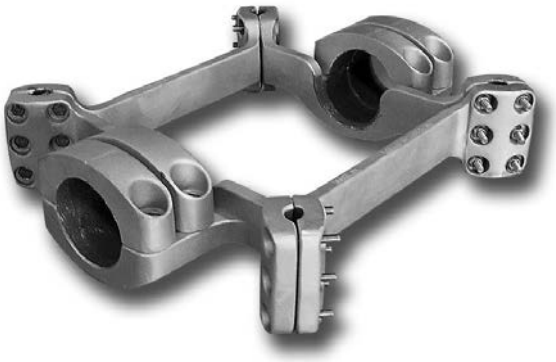
SOLRBP



SOLTBP

Special Connectors
Conectores Especiales
Raccords Spéciaux

TRIPLEX AND CUADRUPLEX CONNECTORS / CONECTORES TRIPLEX Y CUADRUPLEX / RACCORD TRIPLEX ET CUADRUPLEX



ML4C3B



MR3C3B



MR3C3P



MR3CB



MUB3C



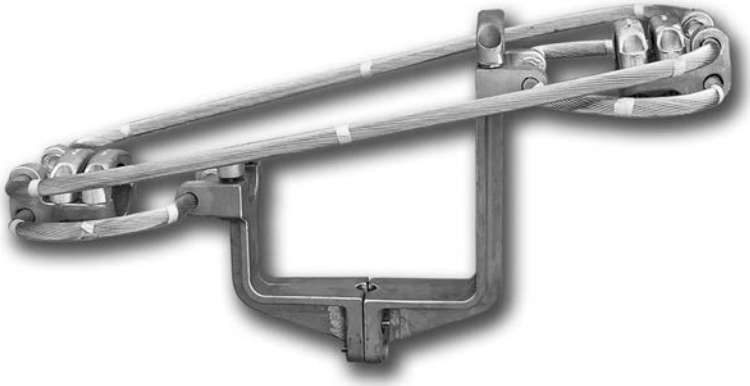
1/2 MPEFBI



MPDFBBI



MPEFBV



MFDB2B/D

SUPPORTS / SOPORTES / SUPPORTS



MPETBB



MPU3C



300.001


Powering Progress

Connectors for High and Very High Tension
Conectores para Alta y Muy Alta Tensión
Raccords pour Haute & Très Haute Tension

- Parallel Groove Clamps and Spacers / Petacas Paralelas y Separadores / Blocs de Doublement et Entretoises
- Tube End Caps / Tapones para Tubo / Bouchones de Tube
- Straight Connectors / Conectores Rectos / Raccords Droits
- Bend Connectors / Conectores Acodados / Raccords Coudes
- T Connectors / Derivaciones en T / Raccords en T
- Special Connectors in Angle / Conexiones Especiales en Ángulo / Raccords Particuliers en Angle
- Duplex Connectors / Conectores Duplex / Raccords Duplex
- Expansion Connectors / Conectores de Dilatación / Raccords a Dilatation
- Supports / Soportes / Supports
- Fixed Points and Earth Clamping Device / Puntos Fijos y Pinza de Puesta a Tierra / Points Fixes et Pince de Mise à Terre

ARRUTI SUBESTACIONES, S.A. soluciona la conexión AL-AL y AL-CU. con la técnica ampliamente conocida del ANODO MASIVO y aceptada por las compañías eléctricas.

Como es sabido, cuando los dos metales, AL-CU. están en íntimo contacto y ambos sumergidos en un ambiente polutivo, puede desencadenarse el fenómeno de electrólisis, en el que el CU. juega el papel de cátodo, el AL. el de ánodo y el ánodo y el ambiente el de electrólito. No hay electrólisis si falta uno solo de los tres elementos. En este fenómeno, iones de AL. son arrancados del ánodo y depositados sobre el cátodo, resultando la destrucción del ánodo de un modo directamente proporcional a la agresividad o fortaleza del electrólito o ambiente. Puede también deducirse, y de hecho se demuestra, que aquellas uniones AL-CU. sumergidas en ambientes limpios, los rurales por ejemplo, no sufren daño alguno siempre que se mantenga el ambiente en estas condiciones, lo que nunca está en la mano del usuario.

Al objeto de prevenir la destrucción del conector y defenderlo de agentes exteriores ajenos a toda instalación, se emplean conectores ANODO MASIVOS con los que se garantiza el control de la corrosión, hasta un punto de saturación en el cual la masa de la conexión sea mas que suficiente para garantizar el paso a través de la carga inicialmente calculada, con notable margen de seguridad. Naturalmente, la bondad del sistema descansa fundamentalmente en determinadas y precisas prácticas de montaje, a la vez simples y al alcance de todo usuario.

Los conectores ANODO MASIVOS, por su gran masa de AL. como su nombre sugiere, ofrecen una mayor superficie de radiación como ventaja adicional. Si bien el sistema garantiza el control de la corrosión galvánica inherente a la unión AL-CU. interior, no elimina lógicamente la corrosión exterior. Precisamente por su masa excedente o "MASA DE SACRIFICIO" varias veces la del conductor, el conector resistiría los embates exteriores con mucha mayor longevidad que la del conductor mismo.

Eléctricamente los conectores garantizan la trilogía de toda conexión de calidad internacionalmente exigida.

- Caída de tensión entre extremos del conector igual o inferior a la de igual longitud del conductor que une.
- Temperatura en régimen de trabajo, inferior a la de los conductores que conecta.
- Dimensiones y diseño que garantiza el paso de la carga máxima exigible a los conductores que une, con una resistencia eléctrica mínima y estable a través del tiempo.

Características garantizadas, siempre que la conexión se haya realizado de acuerdo con las prácticas de montaje y pares de apriete recomendados.

DISEÑO ANTIEFLUVIOS

Este diseño especial se emplea para conexiones cuya tensión de servicio sea 220 KV. mínima y 550 KV. máxima.

Básicamente, el conector es igual en éstas, como en inferiores tensiones, sin embargo el diseño exterior varía en los puntos siguientes:

- Bordes, aristas y vértices totalmente redondeados.
- Tornillería completamente sumergida.

De ello resulta un conector con forma tendente a la esfericidad, con ausencia de puntas, para eliminar las pérdidas por efluvios (Efecto Corona) y mantener el nivel de ruidos RIV (Voltaje de Radio Interferencias) inferior a los 100 µ V., límite internacionalmente admitido.

Si bien el diseño antiefluvios se utiliza dentro del margen de tensiones aludidas no hay contraindicación alguna, para que éstos conectores puedan también trabajar en tensiones inferiores.

ARRUTI SUBESTACIONES, S.A. has solutions for AL-AL and AL-CU connections using MASSIVE ANODE design approved after testing by main Power Electric Companies.

Copper and Aluminium are often put in contact, and outdoors with moisture and pollution galvanic corrosion begins, with the Cu. as cathode and Al. as anode and the anode and ambient as electrolyte. If one of those three elements isn't there the electrolysis doesn't occur. In this phenomen, Al. ions go to the cathode, very soon the destruction of Al. anode starts in an industrial outdoors ambient. As it is not easy to assure a clean and dry ambient some precautions have to be taken in the design and manufacturing of connectors in order to avoid serious failures in the electric networks.

With Massive Anode connectors the corrosion is controlled, when the corrosion is advanced there is yet a sufficient mass in the connection to assure the secure pass of the current. In any case it is necessary to care the instructions for a correct installation of the connectors. Besides the Big Mass of the Massive anode connectors permit a wide surface to irradiate heat.

Massive Anode design not only guarantee the control of the galvanic corrosion between Al and Cu, but also the improvement of the resistance to the exterior corrosion.s Due to the excedentary mass, mass to be sacrificed, connector will endure longer the attack of outdoor agents than conductors itself.

A quality connection demands three conditions that M.A. connectors fulfil:

- Same or shorter tension drop in connector than of same length of conductor in contact.
- In service less temperature in the connector than in the conductors in contact.
- Design and dimensions suitable for the max current on service, electric resistance as short as possible and of a permanent value.

The Characteristics are guaranteed, when connection has been made following the installation instructions and tightening torque adviced.

ANTIEFFLUVIUM DESIGN

In high tension of min.220 KV and max.550 KV. networks connections are used this design.

This type of connector is basically the same for these tensions as for lower ones, but the shape has the following changes:

- All edges rounded
- All bolts sunk

With it the connectors shape is almost spherical, to avoid effluvium (Crown Effect) and keeping the noise level (RIV) lower than 100 µ V.

Even these connectors are used for the mentioned voltage, there is nothing against to use this design with lower voltages too.

ARRUTI SUBESTACIONES, S.A. a donné la solution pour la connexion AL-AL et AL-CU. avec la technique Anode Massive, aceptée pour les Companies Electriques.

Au moment que les connexions AL-CU sont en contact dans un ambiance de pollution, il peut avoir le phenomene d'électrolyse, dans le quel le CU est le cathode, le AL l'anode et l'anode et l'ambiance l'électrolyte. S'il manque un des ces trois elements il ne se produit pas l'électrolyse. Dans ce phenomene ions de AL. partent et se depossent sur le cathode, ayant un destrution du anode en proportion à la force or agressivité de l'ambiance ou électrolyte. Les connexions AL-CU dans ambiance propes ne sont pas abîmés si ces conditions sont mantenus.

A fin d'éviter la destruction du raccord et lui defendre d'agents exterieurs, il est utilisé les raccords ANODE MASSIVE pour garantir le contrôle de corrosion, au point de saturation dans le quel la masse du connexion doit être suffissant pour garantir le pas à travers la charge initiel du calcul, avec grand marge de securité. Sans doute il faut agir correctement selon les conseilles de montage des connexions.

Les raccords ANODE MASSIVE, avec grand masse de AL, offris une surface de radiation comme advantage additionel. Même que le système garantit le contrôle de corrosion galvanique interier des jonctions AL-CU, ce-ci n'elimine pas la corrosion exterieur. Précisément pour la masse excedante ou Masse de Sacrifice, plusieurs fois celle du conducteur, le raccord résistira beaucoup plus long temps que le conducteur.

Electriquement les raccord garanti la trilogie de toute connexion de qualité internationalement demandé.

- Tombe de tension de raccord égal ou moins que la longueur du conducteur en contact.
- Temperature pendant le travail, inferieur au conducteurs en connexion.
- Dimension et dessin garantissant le pas de charge max. demandé aux conducteurs, avec une resistance electrique minimum et stable pendant le temps.

Les characteristiques sont garanties, toujours si la connexion a été fait selon les conseilles de montage et avec les couples recommendés.

DESSIN ANTIEFFLUVES

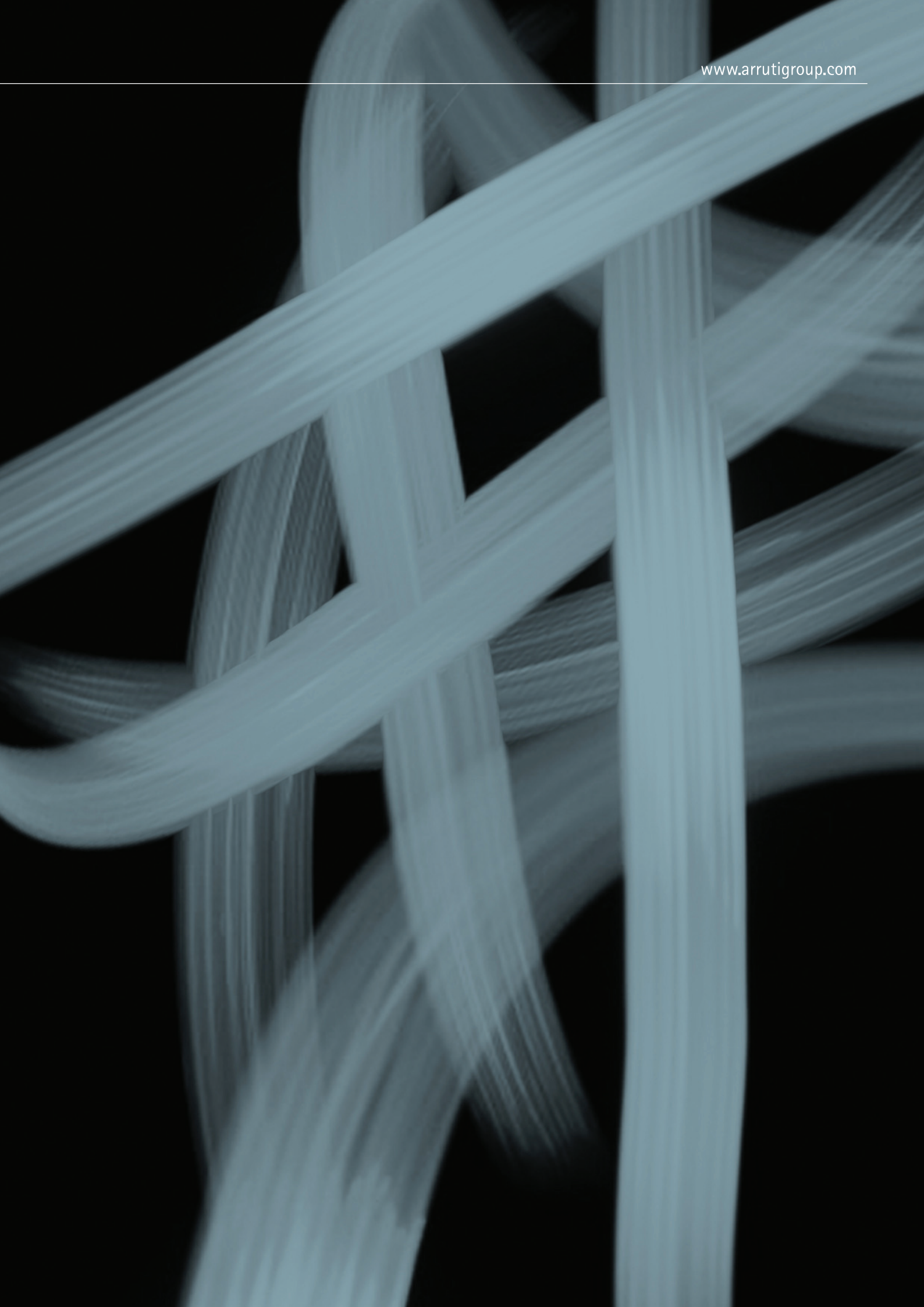
Ce dessin est employé pour connexions en tension de travail du 220 KV. min. et 550 KV. max.

Basiquement, le raccord est en ces tensions comme dans ce des tensions inferieurs, mais le dessin exterieur a les differences suivantes:

- Tous les angles arondis.
- Toute la visserie emboîtée.

Comme resultat le raccord a une forme sphérique, a fin d'eviter les pertes par effluves (Effect Couronne) et mantenir le niveau de bruit RIV inférieur aux 100 µ V.

Bien que le dessin antieffluves de raccords est utilisé pour les tensions indiqués, ces-ci peuvent être utilisés avec des tensions inferieurs.

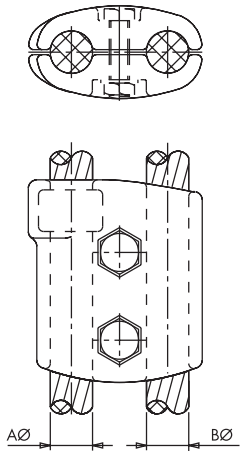



Powering Progress

Parallel Groove Clamps and Spacers
Petacas Paralelas y Separadores
Blocs de Doublement & Entretoises

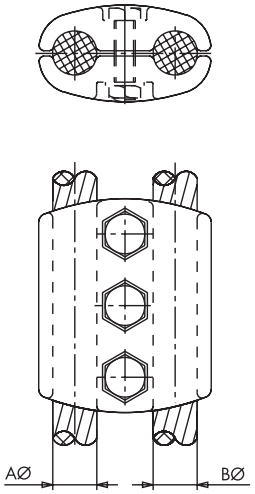






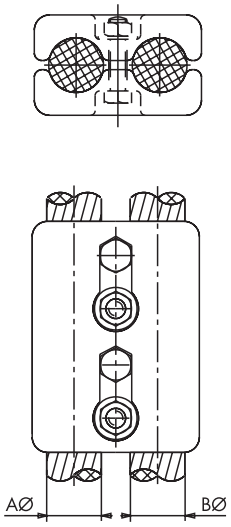
MU2

Referencia / Code / Référence	mm.				Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø		Bø		
	Mín.	Máx.	Mín.	Máx.	
MU2-1515	12	15	12	15	5
MU2-1818	16	19	16	19	5
MU2-2222	19	23	19	23	5
MU2-2525	24	26	24	26	5
MU2-3030	27	30	27	30	5



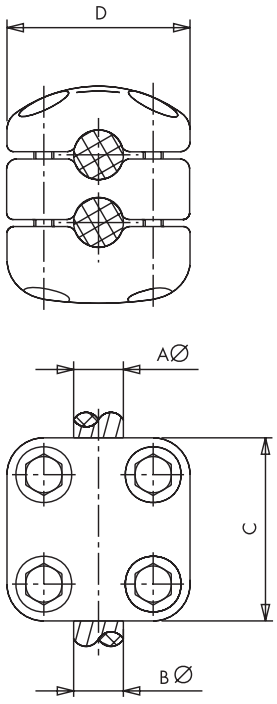
MU3

Referencia / Code / Référence	mm.				Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø		Bø		
	Mín.	Máx.	Mín.	Máx.	
MU3-1515	12	15	12	15	5
MU3-1818	16	19	16	19	5
MU3-2222	19	23	19	23	5
MU3-2525	24	26	24	26	5
MU3-3030	27	30	27	30	5



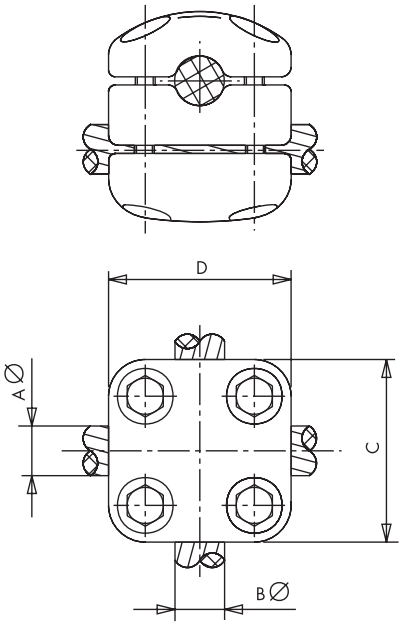
MGU

Referencia / Code / Référence	mm.				Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø		Bø		
	Mín.	Máx.	Mín.	Máx.	
MGU-2525	24	26	24	26	5
MGU-3030	27	30	27	30	5
MGU-3232	31	32	31	32	5
MGU-3535	33	35	33	35	5
MGU-3838	36	39	36	39	5
MGU-4343	40	43	40	43	5



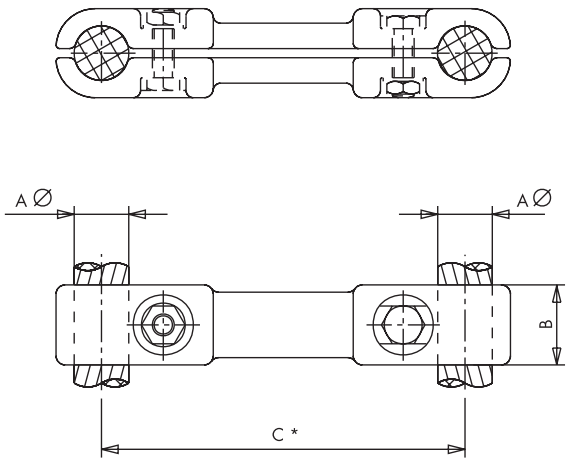
MG

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		Bø		C	D	
	Mín.	Máx.	Mín.	Máx.			
MG-1515	12	15	12	15	92	92	3
MG-1818	16	19	16	19	92	92	3
MG-2222	20	23	20	23	92	92	3
MG-2525	24	26	24	26	92	92	3
MG-3030	27	30	27	30	92	92	3
MG-3232	31	32	31	32	107	107	5
MG-3535	33	35	33	35	107	107	5
MG-3838	36	39	36	39	107	107	5
MG-4343	40	43	40	43	107	107	5



MGX

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		Bø		C	D	
	Mín.	Máx.	Mín.	Máx.			
MGX-1515	12	15	12	15	92	92	3
MGX-1818	16	19	16	19	92	92	3
MGX-2222	20	23	20	23	92	92	3
MGX-2525	24	26	24	26	92	92	3
MGX-3030	27	30	27	30	92	92	3
MGX-3232	31	32	31	32	107	107	5
MGX-3535	33	35	33	35	107	107	5
MGX-3838	36	39	36	39	107	107	5
MGX-4343	40	43	40	43	107	107	5



MU

Referencia Code Référence	mm			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C*	
MU.*-22	20-23	42	SEGÚN NOTA	5
MU.*-25	24-26	42		5
MU.*-30	27-30	42		5
MU.*-32	31-32	44		5
MU.*-35	33-35	44		5
MU.*-38	36-39	44		5
MU.*-43	40-43	44		5

NOTA

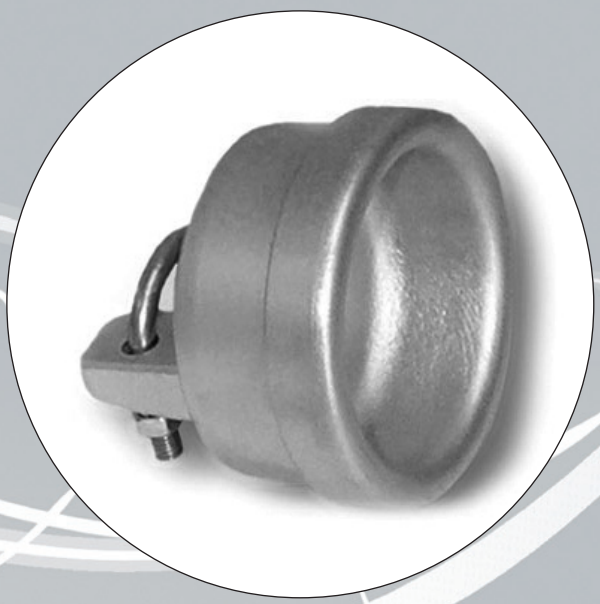
C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.




Powering Progress

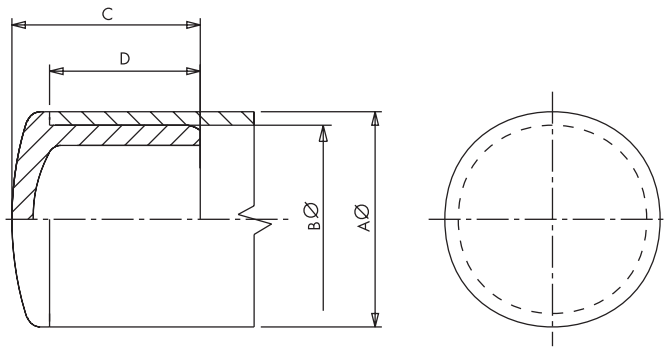
Tube End Caps
Tapones para Tubo
Bouchones de Tube





TAPÓN FINAL PARA CERRAR TUBOS

BOUCHON FINAL POUR FERMETURE TUBES

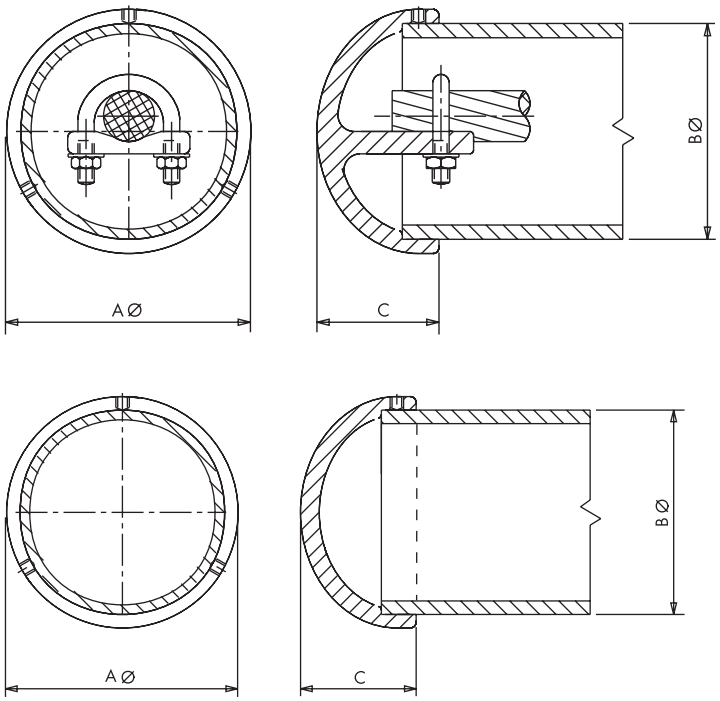


AT

Referencia Code Référence	mm			
	Aø	Bø	C	D
AT-50	50	A INDICAR ø TUBO INTERIOR	47	32
AT-60	60		50	32
AT-70	70		65	43
AT-80	80		70	45
AT-90	90		70	50
AT-100	100		88	55
AT-114	114		95	55
AT-120	120		100	60
AT-150	150		120	70
AT-168	168		125	70

TAPÓN CORONA PARA EXTREMO DE TUBO

BOUCHON CORONE POUR TÊTE DE TUBE



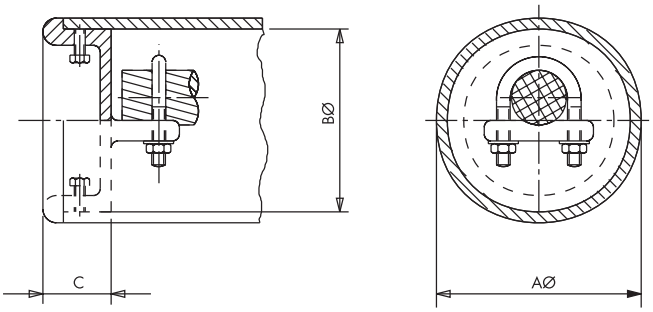
ATC

Referencia Code Référence	mm		
	Aø	Bø	C
ATC-80	100	80	60
ATC-100	120	100	65
ATC-120	145	120	70
ATC-150	180	150	80
ATC-200	230	200	100
ATC-250	290	250	125

TUBE END CAP WITH INNER CABLE

TAPÓN PARA TUBO CON CABLE INTERIOR

BOUCHON POUR TUBE AVEC CABLE INTÉRIEUR



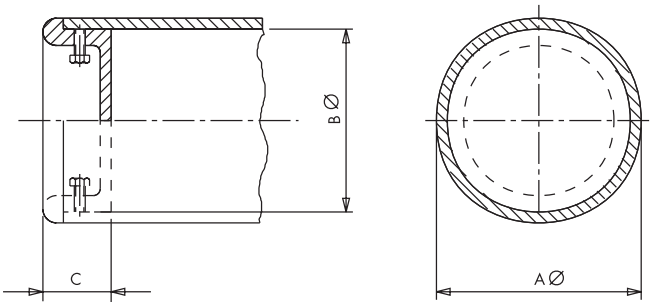
ATPG

Referencia Code Référence	mm		
	Aø	Bø	C
ATPG-80	80	A INDICAR ø TUBO INTERIOR	42
ATPG-100	100		45
ATPG-120	120		55
ATPG-150	150		55
ATPG-200	200		45
ATPG-250	250		65

TUBE END CAP WITHOUT CABLE

TAPÓN PARA TUBO SIN CABLE

BOUCHON POUR TUBE SANS CABLE



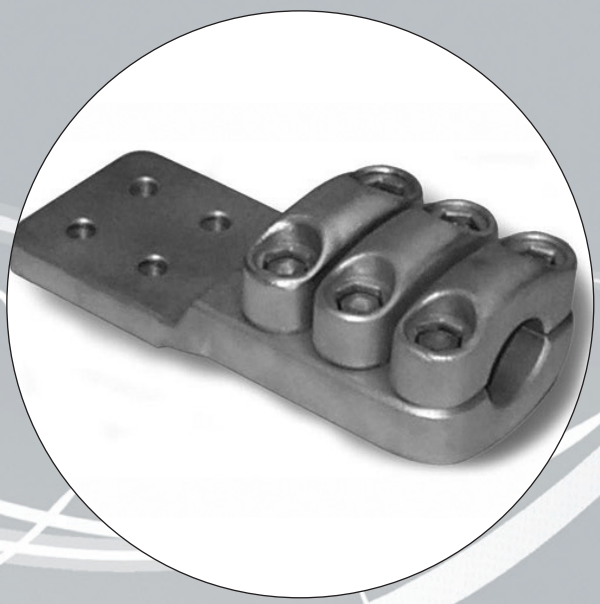
ATP

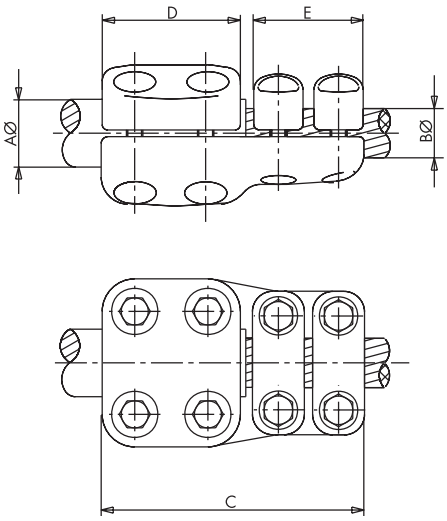
Referencia Code Référence	mm		
	Aø	Bø	C
ATP-80	80	A INDICAR ø TUBO INTERIOR	42
ATP-100	100		45
ATP-120	120		55
ATP-150	150		55
ATP-200	200		45
ATP-250	250		65


Powering Progress

Straight Connectors
Conectores Rectos
Raccords Droits

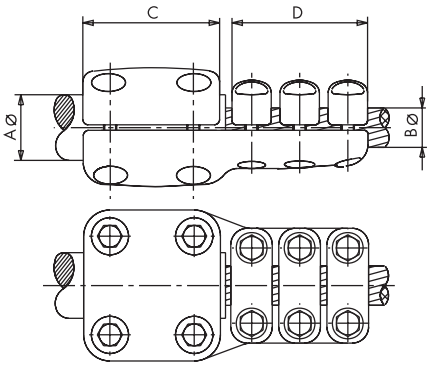






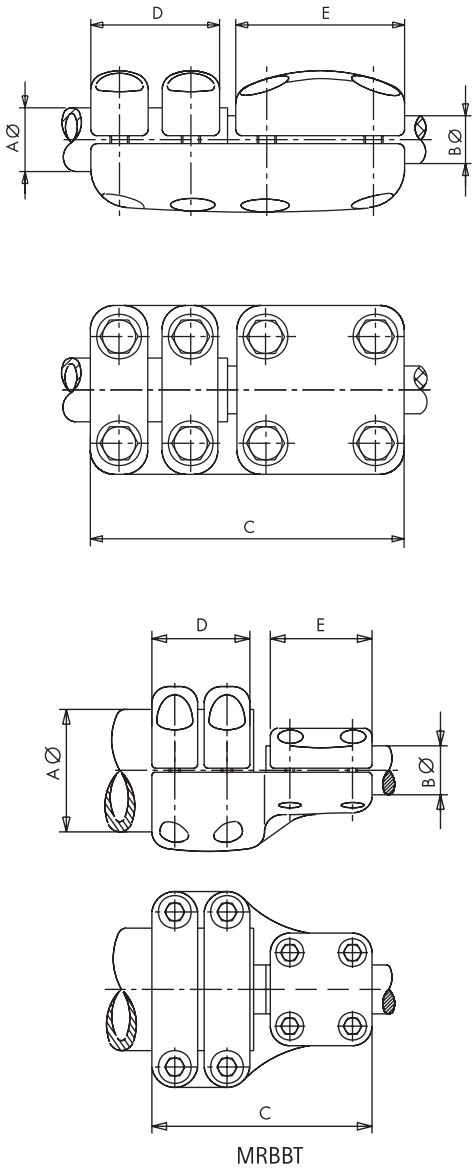
MRBCT

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø		C	D	E		
		Mín.	Máx.				A	B
MRBCT-1615	16	12	15	180	92	82	3	3
MRBCT-1618	16	16	19	180	92	82	3	3
MRBCT-1622	16	20	23	180	92	82	3	3
MRBCT-2025	20	24	26	180	92	82	3	3
MRBCT-2015	20	12	15	180	92	82	3	3
MRBCT-2018	20	16	19	180	92	82	3	3
MRBCT-2022	25	20	23	180	92	82	3	3
MRBCT-2025	20	24	26	180	92	82	3	3
MRBCT-2030	20	27	30	180	92	82	3	3
MRBCT-2515	25	12	15	180	92	82	3	3
MRBCT-2518	25	33	35	180	92	82	3	3
MRBCT-2522	25	20	23	180	92	82	3	3
MRBCT-2525	25	24	26	180	92	82	3	3
MRBCT-2530	25	27	30	180	92	82	3	3
MRBCT-3015	30	12	15	180	92	82	3	3
MRBCT-3018	30	16	19	180	92	82	3	3
MRBCT-3022	30	20	23	180	92	82	3	3
MRBCT-3025	30	24	26	180	92	82	3	3
MRBCT-3030	30	27	30	180	92	82	3	3
MRBCT-1632	16	31	32	202	107	85	5	5
MRBCT-1635	16	33	35	202	107	85	5	5
MRBCT-1638	16	36	39	202	107	85	5	5
MRBCT-2032	20	31	32	202	107	85	5	5
MRBCT-2035	20	33	35	202	107	85	5	5
MRBCT-2038	20	36	39	202	107	85	5	5
MRBCT-2532	25	31	32	202	107	85	5	5
MRBCT-2535	25	33	35	202	107	85	5	5
MRBCT-2538	25	36	39	202	107	85	5	5
MRBCT-2543	25	40	43	202	107	85	5	5
MRBCT-3032	30	31	32	202	107	85	5	5
MRBCT-3035	30	33	35	202	107	85	5	5
MRBCT-3038	30	36	39	202	107	85	5	5
MRBCT-3043	30	40	43	202	107	85	5	5
MRBCT-4015	40	12	15	202	107	85	5	5
MRBCT-4018	40	16	19	202	107	85	5	5
MRBCT-4022	40	20	23	202	107	85	5	5
MRBCT-4025	40	24	26	202	107	85	5	5
MRBCT-4030	40	27	30	202	107	85	5	5
MRBCT-4032	40	31	32	202	107	85	5	5
MRBCT-4035	40	33	35	202	107	85	5	5
MRBCT-4038	40	36	39	202	107	85	5	5
MRBCT-4043	40	40	43	202	107	85	5	5
MRBCT-5018	50	16	19	195	100	82	5	3
MRBCT-5022	50	20	23	195	100	82	5	3
MRBCT-5025	50	24	26	195	100	82	5	3
MRBCT-5030	50	27	30	195	100	85	5	3
MRBCT-5032	50	31	32	198	100	85	5	5
MRBCT-5035	50	33	35	198	100	85	5	5
MRBCT-5038	50	36	39	198	100	85	5	5
MRBCT-5043	50	40	43	198	100	82	5	5
MRBCT-6018	60	16	19	195	100	82	5	3
MRBCT-6022	60	20	23	195	100	82	5	3
MRBCT-6025	60	24	26	195	100	82	5	3
MRBCT-6030	60	27	30	195	100	82	5	3
MRBCT-6032	60	31	32	200	100	85	5	5
MRBCT-6035	60	33	35	200	100	85	5	5
MRBCT-6038	60	36	39	200	100	85	5	5
MRBCT-6043	60	40	43	200	100	85	5	5



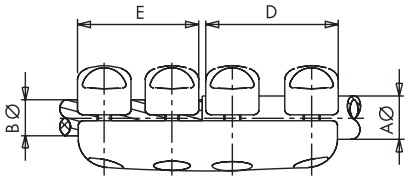
MRBTC3

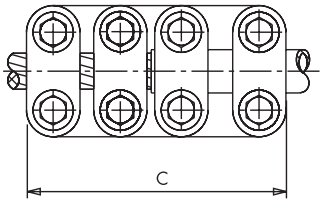
Referencia Code Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	Bø		C	D	
		Mín.	Máx.			
MRBTC3-3030	30	27	30	90	138	5
MRBTC3-3032	30	31	32	90	138	5
MRBTC3-3035	30	33	35	90	138	5
MRBTC3-3038	30	36	39	90	138	5
MRBTC3-3043	30	40	43	90	138	5
MRBTC3-4030	40	27	30	90	138	5
MRBTC3-4032	40	31	32	90	138	5
MRBTC3-4035	40	33	35	90	138	5
MRBTC3-4038	40	36	39	90	138	5
MRBTC3-4043	40	40	43	90	138	5
MRBTC3-5030	50	27	30	100	138	5
MRBTC3-5032	50	31	32	100	138	5
MRBTC3-5035	50	33	35	100	138	5
MRBTC3-5038	50	36	39	100	138	5
MRBTC3-5043	50	40	43	100	138	5
MRBTC3-6030	60	27	30	100	138	5
MRBTC3-6032	60	31	32	100	138	5
MRBTC3-6035	60	33	35	100	138	5
MRBTC3-6038	60	36	39	100	138	5
MRBTC3-6043	60	40	43	100	138	5

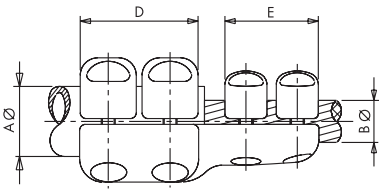


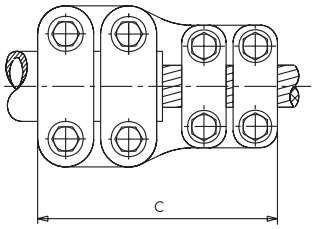
MRBBT

Referencia Code Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
MRBBT-3030	30	30	180	82	92	3	3
MRBBT-4030	40	30	202	85	107	5	5
MRBBT-4050	40	50	200	85	100	5	5
MRBBT-4060	40	60	200	85	100	5	5
MRBBT-5030	50	30	195	100	82	5	3
MRBBT-5040	50	40	200	100	85	5	5
MRBBT-5060	50	60	205	100	100	5	5
MRBBT-6030	60	30	195	100	82	5	3
MRBBT-6040	60	40	200	100	85	5	5
MRBBT-6050	60	50	205	100	100	5	5
MRBBT-8030	80	30	194	100	85	5	3
MRBBT-8040	80	40	200	100	90	5	5
MRBBT-8050	80	50	210	100	100	5	5
MRBBT-8060	80	60	210	100	100	5	5
MRBBT-10030	100	30	205	100	90	5	5
MRBBT-10040	100	40	205	100	90	5	5
MRBBT-10050	100	50	210	100	100	5	5
MRBBT-10060	100	60	210	100	100	5	5
MRBBT-12030	120	30	210	110	90	7	5
MRBBT-12040	120	40	210	110	90	7	5
MRBBT-12050	120	50	220	110	100	7	5
MRBBT-12060	120	60	220	110	100	7	5
MRBBT-15030	150	30	230	120	90	7	5
MRBBT-15040	150	40	230	120	90	7	5
MRBBT-15050	150	50	245	120	100	7	5
MRBBT-15060	150	60	245	120	100	7	5



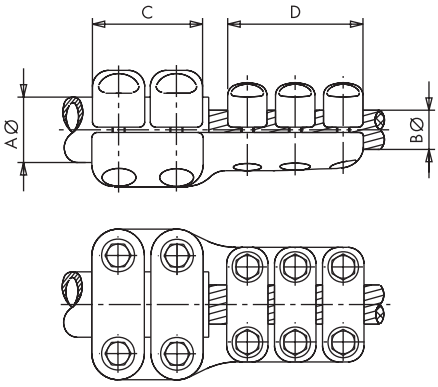






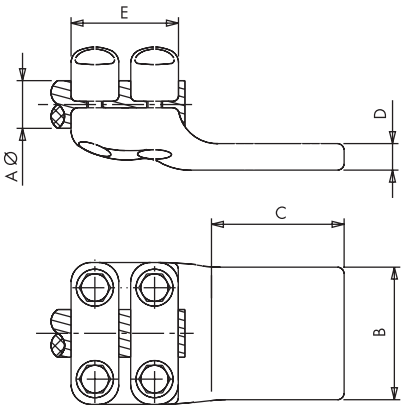
MRBC

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø		C	D	E		
		Mín.	Máx.				A	B
MRBC-3015	30	12	15	180	92	82	3	3
MRBC-3018	30	16	19	180	92	82	3	3
MRBC-3022	30	20	23	180	92	82	3	3
MRBC-3025	30	24	26	180	92	82	3	3
MRBC-3030	30	27	30	180	92	82	3	3
MRBC-3032	30	31	32	202	107	85	5	5
MRBC-3035	30	33	35	202	107	85	5	5
MRBC-3038	30	36	39	202	107	85	5	5
MRBC-3043	30	40	43	202	107	85	5	5
MRBC-4015	40	12	15	202	107	85	5	5
MRBC-4018	40	16	19	202	107	85	5	5
MRBC-4022	40	20	23	202	107	85	5	5
MRBC-4025	40	24	26	202	107	85	5	5
MRBC-4030	40	27	30	202	107	85	5	5
MRBC-4032	40	31	32	202	107	85	5	5
MRBC-4035	40	33	35	202	107	85	5	5
MRBC-4038	40	36	39	202	107	85	5	5
MRBC-4043	40	40	43	202	107	85	5	5
MRBC-5018	50	16	19	195	100	82	5	3
MRBC-5022	50	20	23	195	100	82	5	3
MRBC-5025	50	24	26	195	100	82	5	3
MRBC-5030	50	27	30	195	100	82	5	3
MRBC-5032	50	31	32	198	100	85	5	5
MRBC-5035	50	33	35	198	100	85	5	5
MRBC-5038	50	36	39	198	100	85	5	5
MRBC-5043	50	40	43	198	100	85	5	5
MRBC-6018	60	16	19	195	100	82	5	3
MRBC-6022	60	20	23	195	100	82	5	3
MRBC-6025	60	24	26	195	100	82	5	2
MRBC-6030	60	27	30	195	100	82	5	2
MRBC-6032	60	31	32	200	100	85	5	5
MRBC-6035	60	33	35	200	100	85	5	5
MRBC-6038	60	36	39	200	100	85	5	5
MRBC-6043	60	40	43	200	100	85	5	5
MRBC-8022	80	20	23	194	100	85	5	3
MRBC-8025	80	24	26	194	100	85	5	2
MRBC-8030	80	27	30	194	100	85	5	2
MRBC-8032	80	31	32	200	100	90	5	5
MRBC-8035	80	33	35	200	100	90	5	5
MRBC-8038	80	36	39	200	100	90	5	5
MRBC-8043	80	40	43	200	100	90	5	5
MRBC-10022	100	20	23	205	100	90	5	5
MRBC-10025	100	24	26	205	100	90	5	5
MRBC-10030	100	27	30	205	100	90	5	5
MRBC-10032	100	31	32	205	100	90	5	5
MRBC-10035	100	33	35	205	100	90	5	5
MRBC-10038	100	36	39	205	100	90	5	5
MRBC-10043	100	40	43	205	100	90	5	5
MRBC-12030	120	27	30	210	110	90	7	5
MRBC-12032	120	31	32	210	110	90	7	5
MRBC-12035	120	33	35	210	110	90	7	5
MRBC-12038	120	36	39	210	110	90	7	5
MRBC-12043	120	40	43	210	110	90	7	5
MRBC-15032	150	31	32	230	120	90	7	5
MRBC-15035	150	33	35	230	120	90	7	5
MRBC-15038	150	36	39	230	120	90	7	5
MRBC-15043	150	40	43	230	120	90	7	5



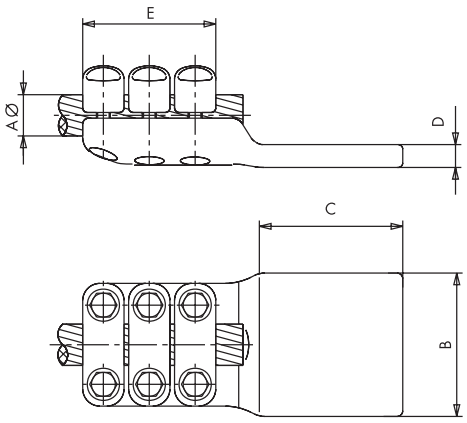
MRBC3

Referencia Code Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø		C	D		
		Mín.	Máx.			A	B
MRBC3-3030	30	27	30	90	138	5	5
MRBC3-3032	30	31	32	90	138	5	5
MRBC3-3035	30	33	35	90	138	5	5
MRBC3-3038	30	36	39	90	138	5	5
MRBC3-3043	30	40	43	90	138	5	5
MRBC3-4030	40	27	30	90	138	5	5
MRBC3-4032	40	31	32	90	138	5	5
MRBC3-4035	40	33	35	90	138	5	5
MRBC3-4038	40	36	39	90	138	5	5
MRBC3-4043	40	40	43	90	138	5	5
MRBC3-5030	50	27	30	100	138	5	5
MRBC3-5032	50	31	32	100	138	5	5
MRBC3-5035	50	33	35	100	138	5	5
MRBC3-5038	50	36	39	100	138	5	5
MRBC3-5043	50	40	43	100	138	5	5
MRBC3-6030	60	27	30	100	138	5	5
MRBC3-6032	60	31	32	100	138	5	5
MRBC3-6035	60	33	35	100	138	5	5
MRBC3-6038	60	36	39	100	138	5	5
MRBC3-6043	60	40	43	100	138	5	5
MRBC3-8030	80	27	30	100	138	5	5
MRBC3-8032	80	31	32	100	138	5	5
MRBC3-8035	80	33	35	100	138	5	5
MRBC3-8038	80	36	39	100	138	5	5
MRBC3-8043	80	40	43	100	138	5	5
MRBC3-10030	100	27	30	100	138	5	5
MRBC3-10032	100	31	32	100	138	5	5
MRBC3-10035	100	33	35	100	138	5	5
MRBC3-10038	100	36	39	100	138	5	5
MRBC3-10043	100	40	43	100	138	5	5
MRBC3-12030	120	27	30	110	138	7	5
MRBC3-12032	120	31	32	110	138	7	5
MRBC3-12035	120	33	35	110	138	7	5
MRBC3-12038	120	36	39	110	138	7	5
MRBC3-12043	120	40	43	110	138	7	5
MRBC3-15032	150	31	32	120	138	7	5
MRBC3-15035	150	33	35	120	138	7	5
MRBC3-15038	150	36	39	120	138	7	5
MRBC3-15043	150	40	43	120	138	7	5



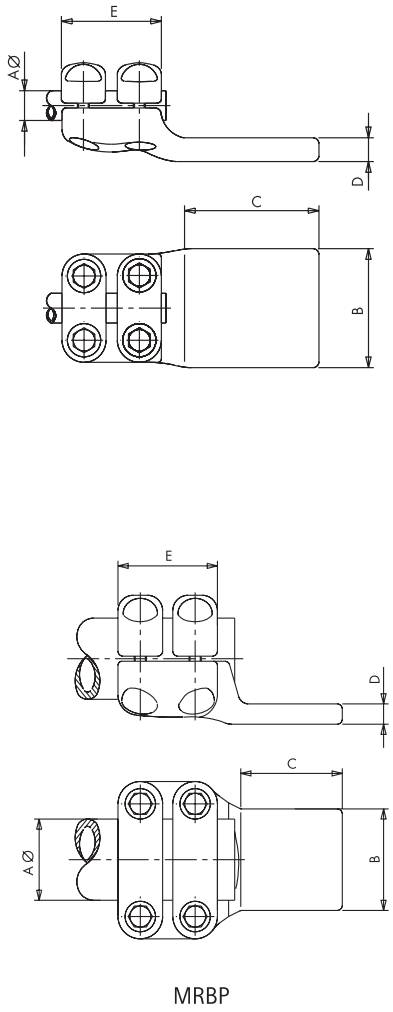
MRCP

Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		B	C	D	E	
	Mín.	Máx.					
MRCP-1533	12	15	50	50	20	82	3
MRCP-1535	12	15	50	80	20	82	3
MRCP-1544	12	15	60	60	20	82	3
MRCP-1546	12	15	60	100	20	82	3
MRCP-1555	12	15	80	80	20	82	3
MRCP-1566	12	15	100	100	20	82	3
MRCP-1588	12	15	125	125	20	82	3
MRCP-1833	16	19	50	50	20	82	3
MRCP-1835	16	19	50	80	20	82	3
MRCP-1844	16	19	60	60	20	82	3
MRCP-1846	16	19	60	100	20	82	3
MRCP-1855	16	19	80	80	20	82	3
MRCP-1866	16	19	100	100	20	82	3
MRCP-1888	16	19	125	125	20	82	3
MRCP-2233	20	23	50	50	20	82	3
MRCP-2235	20	23	50	80	20	82	3
MRCP-2244	20	23	60	60	20	82	3
MRCP-2246	20	23	60	100	20	82	3
MRCP-2255	20	23	80	80	20	82	3
MRCP-2266	20	23	100	100	20	82	3
MRCP-2288	20	23	125	125	20	82	3
MRCP-2533	24	26	50	50	20	82	3
MRCP-2535	24	26	50	80	20	82	3
MRCP-2544	24	26	60	60	20	82	3
MRCP-2546	24	26	60	100	20	82	3
MRCP-2555	24	26	80	80	20	82	3
MRCP-2566	24	26	100	100	20	82	3
MRCP-2588	24	26	125	125	20	82	3
MRCP-3033	27	30	50	50	20	82	3
MRCP-3035	27	30	50	80	20	82	3
MRCP-3044	27	30	60	60	20	82	3
MRCP-3046	27	30	60	100	20	82	3
MRCP-3055	27	30	80	80	20	82	3
MRCP-3066	27	30	100	100	20	82	3
MRCP-3088	27	30	125	125	20	82	3
MRCP-3233	31	32	50	50	20	85	5
MRCP-3235	31	32	50	80	20	85	5
MRCP-3244	31	32	60	60	20	85	5
MRCP-3246	31	32	60	100	20	85	5
MRCP-3255	31	32	80	80	20	85	5
MRCP-3266	31	32	100	100	20	85	5
MRCP-3288	31	32	125	125	20	85	5
MRCP-3533	33	35	50	50	20	85	5
MRCP-3535	33	35	50	80	20	85	5
MRCP-3544	33	35	60	60	20	85	5
MRCP-3546	33	35	60	100	20	85	5
MRCP-3555	33	35	80	80	20	85	5
MRCP-3566	33	35	100	100	20	85	5
MRCP-3588	33	35	125	125	20	85	5
MRCP-3833	36	39	50	50	20	85	5
MRCP-3835	36	39	50	80	20	85	5
MRCP-3844	36	39	60	60	20	85	5
MRCP-3846	36	39	60	100	20	85	5
MRCP-3855	36	39	80	80	20	85	5
MRCP-3866	36	39	100	100	20	85	5
MRCP-3888	36	39	125	125	20	85	5
MRCP-4333	40	43	50	50	20	85	5
MRCP-4335	40	43	50	80	20	85	5
MRCP-4344	40	43	60	60	20	85	5
MRCP-4346	40	43	60	100	20	85	5
MRCP-4355	40	43	80	80	20	85	5
MRCP-4366	40	43	100	100	20	85	5
MRCP-4388	40	43	125	125	20	85	5



MRCP3

Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		B	C	D	E	
	Mín.	Máx.					
MRCP3-3055	27	30	80	80	20	120	3
MRCP3-3066	27	30	100	100	20	120	3
MRCP3-3088	27	30	125	125	20	120	3
MRCP3-30106	27	30	200	100	20	120	3
MRCP3-3255	31	32	80	80	20	120	3
MRCP3-3266	31	32	100	100	20	120	3
MRCP3-3288	31	32	125	125	20	120	3
MRCP3-32106	31	32	200	100	20	120	3
MRCP3-3555	33	35	80	80	20	120	3
MRCP3-3566	33	35	100	100	20	120	3
MRCP3-3588	33	35	125	125	20	120	3
MRCP3-35106	33	35	200	100	20	120	3
MRCP3-3855	36	39	80	80	20	120	3
MRCP3-3866	36	39	100	100	20	120	3
MRCP3-3888	36	39	125	125	20	120	3
MRCP3-38106	36	39	200	100	20	120	3
MRCP3-4355	40	43	80	80	20	120	3
MRCP3-4366	40	43	100	100	20	120	3
MRCP3-4388	40	43	125	125	20	120	3
MRCP3-43106	40	43	200	100	20	120	3



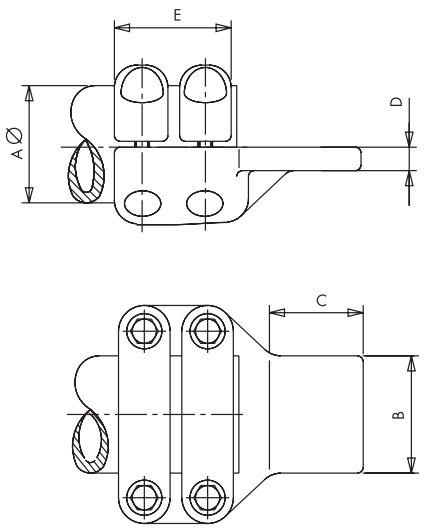
MRBP

Referencia Code Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	
MRBP-3033	30	50	50	20	82	3
MRBP-3035	30	50	80	20	82	3
MRBP-3044	30	60	60	20	82	3
MRBP-3055	30	80	80	20	82	3
MRBP-3066	30	100	100	20	82	3
MRBP-3088	30	125	125	15	82	3
MRBP-30106	30	200	100	15	82	3
MRBP-4033	40	50	50	20	85	5
MRBP-4035	40	50	80	20	85	5
MRBP-4044	40	60	60	20	85	5
MRBP-4055	40	80	80	20	85	5
MRBP-4066	40	100	100	20	85	5
MRBP-4088	40	125	125	15	85	5
MRBP-40106	40	200	100	15	85	5
MRBP-5044	50	60	60	20	100	5
MRBP-5055	50	80	80	20	100	5
MRBP-5066	50	100	100	20	100	5
MRBP-5088	50	125	125	20	100	5
MRBP-6044	60	60	60	20	100	5
MRBP-6055	60	80	80	20	100	5
MRBP-6066	60	100	100	20	100	5
MRBP-6088	60	125	125	20	100	5
MRBP-8055	80	80	80	20	100	5
MRBP-8066	80	100	100	20	100	5
MRBP-8088	80	125	125	20	100	5
MRBP-10055	100	80	80	20	100	5
MRBP-10066	100	100	100	20	100	5
MRBP-10088	100	125	125	20	100	5

STRAIGHT CONNECTOR UNION TUBE TO FLATBAR IN AXIS

CONECTOR RECTO PARA UNIÓN DE TUBO A PLETINA EN EL EJE

RACCORD DROIT JONCTION TUBE À BARRE MÈPLATE SUR L´AXE



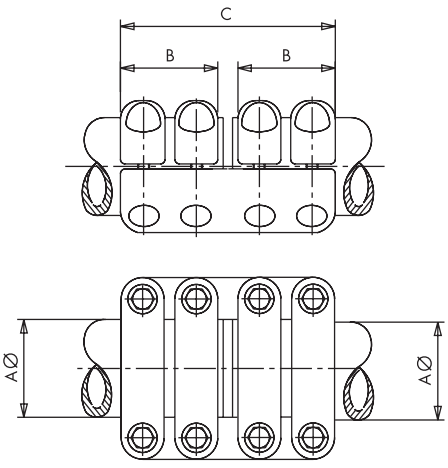
MRBPE

Referencia Code Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	
MRBPE-10055	100	80	80	20	100	5
MRBPE-10066	100	100	100	20	100	5
MRBPE-10088	100	125	125	20	100	5
MRBPE-12055	120	80	80	20	110	7
MRBPE-12066	120	100	100	20	110	7
MRBPE-12088	120	125	125	20	110	7
MRBPE-15066	150	100	100	20	120	7
MRBPE-15088	150	125	125	20	120	7

STRAIGHT CONNECTOR FOR TUBES UNION

CONECTOR RECTO PARA UNIÓN DE TUBOS

RACCORD DROIT POUR JONCTION DE TUBES



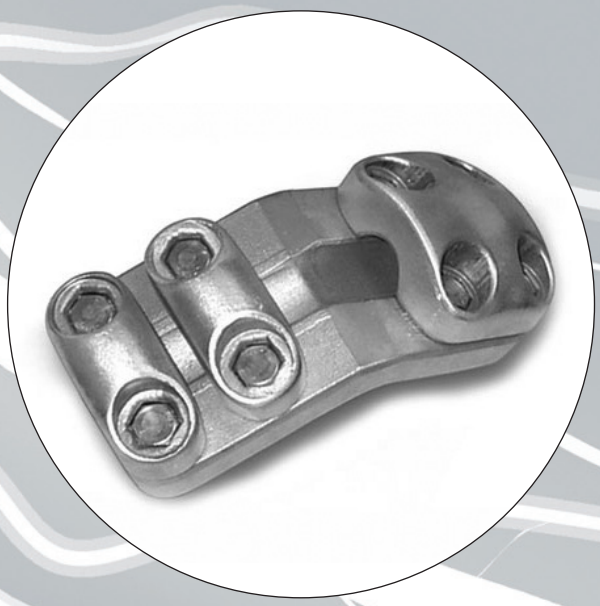
MRBB

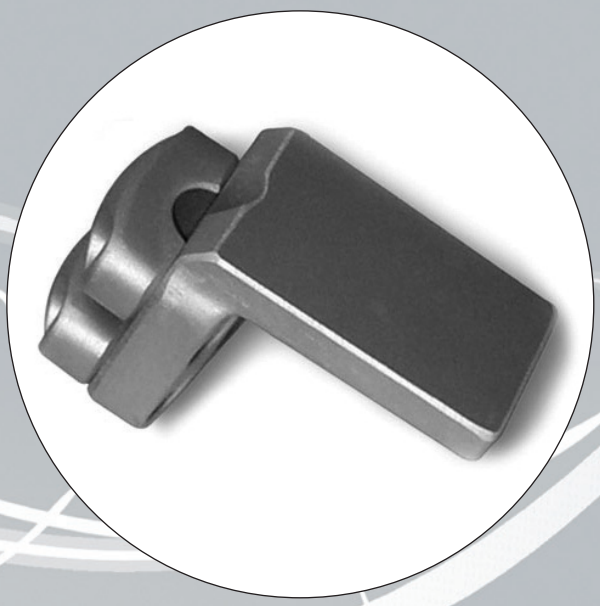
Referencia Code Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	
MRBB-5050	50	100	210	5
MRBB-6060	60	100	210	5
MRBB-8080	80	100	210	5
MRBB-100100	100	100	220	5
MRBB-120120	120	110	260	7
MRBB-150150	150	120	270	7
MRBB-200200	200	120	270	7
MRBB-250250	250	128	290	7

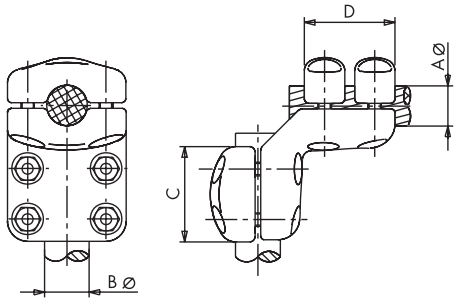



Powering Progress

Bend Connectors
Conectores Acodados
Raccords Coudes

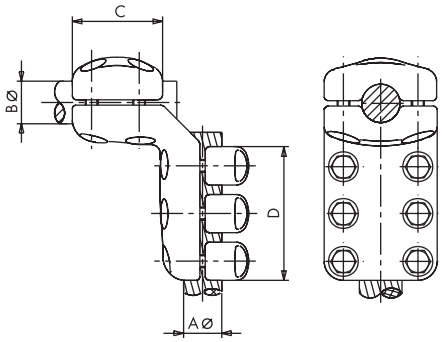






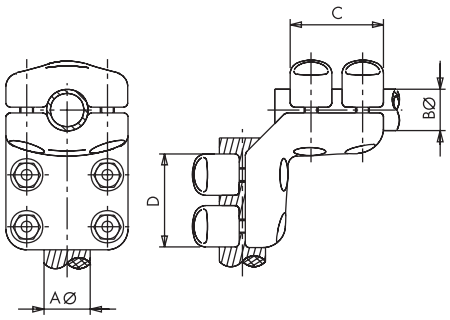
MLBCT

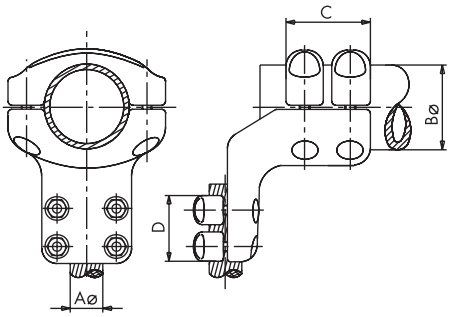
Referencia / Code / Référence	mm. Aø Mín.	Aø Máx.	Bø	C	D	Par de apriete Tightening torque Couple de serrage (kg.m)
MLBCT-2515	12	15	25	85	85	5
MLBCT-2518	16	19	25	85	85	5
MLBCT-2522	20	23	25	85	85	5
MLBCT-2525	24	26	25	85	85	5
MLBCT-3015	12	15	30	85	85	5
MLBCT-3018	16	19	30	85	85	5
MLBCT-3022	20	23	30	85	85	5
MLBCT-3025	24	26	30	85	85	5
MLBCT-3030	27	30	30	85	85	5
MLBCT-3032	31	32	30	85	85	5
MLBCT-3035	33	35	30	85	85	5
MLBCT-3038	36	39	30	85	85	5
MLBCT-3043	40	43	30	85	85	5
MLBCT-4015	12	15	40	85	85	5
MLBCT-4018	16	19	40	85	85	5
MLBCT-4022	20	23	40	85	85	5
MLBCT-4025	24	26	40	85	85	5
MLBCT-4030	27	30	40	85	85	5
MLBCT-4032	31	32	40	85	85	5
MLBCT-4035	33	35	40	85	85	5
MLBCT-4038	36	39	40	85	85	5
MLBCT-4043	40	43	40	85	85	5
MLBCT-5025	24	26	50	100	85	5
MLBCT-5030	27	30	50	100	85	5
MLBCT-5032	31	32	50	100	85	5
MLBCT-5035	33	35	50	100	85	5
MLBCT-5038	36	39	50	100	85	5
MLBCT-5043	40	43	50	100	85	5
MLBCT-6025	24	26	60	100	85	5
MLBCT-6030	27	30	60	100	85	5
MLBCT-6032	31	32	60	100	85	5
MLBCT-6035	33	35	60	100	85	5
MLBCT-6038	36	39	60	100	85	5
MLBCT-6043	40	43	60	100	85	5



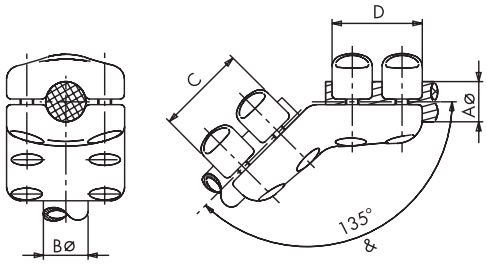
MLBTC3

Referencia / Code / Référence	mm. Aø Mín.	Aø Máx.	Bø	C	D	Par de apriete Tightening torque Couple de serrage (kg.m)
MLBTC3-3030	27	30	30	90	138	5
MLBTC3-3032	31	32	30	90	138	5
MLBTC3-3035	33	35	30	90	138	5
MLBTC3-3038	36	39	30	90	138	5
MLBTC3-3043	40	43	30	90	138	5
MLBTC3-4030	27	30	40	90	138	5
MLBTC3-4032	31	32	40	90	138	5
MLBTC3-4035	33	35	40	90	138	5
MLBTC3-4038	36	39	40	90	138	5
MLBTC3-4043	40	43	40	90	138	5
MLBTC3-5030	27	30	50	100	138	5
MLBTC3-5032	31	32	50	100	138	5
MLBTC3-5035	33	35	50	100	138	5
MLBTC3-5038	36	39	50	100	138	5
MLBTC3-5043	40	43	50	100	138	5
MLBTC3-6030	27	30	60	100	138	5
MLBTC3-6032	31	32	60	100	138	5
MLBTC3-6035	33	35	60	100	138	5
MLBTC3-6038	36	39	60	100	138	5
MLBTC3-6043	40	43	60	100	138	5





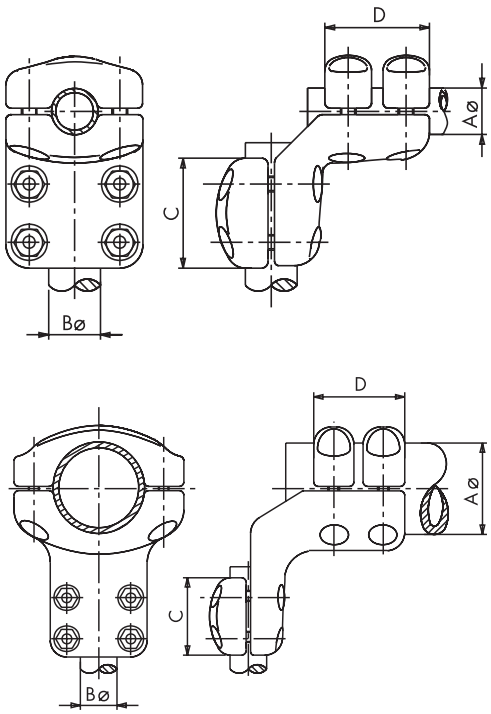
MLBC



MLBC45º

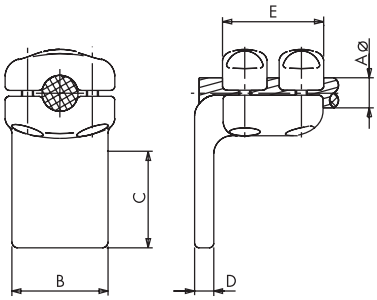
Referencia / Code / Référence	mm.					Par de apriete Tightening torque Couple de serrage (Kgm.)	
	Aø		Bø	C	D		
	Mín.	Máx.				A	B
MLBC-3015	12	15	30	85	85	5	5
MLBC-3018	16	19	30	85	85	5	5
MLBC-3022	20	23	30	85	85	5	5
MLBC-3025	24	26	30	85	85	5	5
MLBC-3030	27	30	30	85	85	5	5
MLBC-3032	31	32	30	85	85	5	5
MLBC-3035	33	35	30	85	85	5	5
MLBC-3038	36	39	30	85	85	5	5
MLBC-3043	40	43	30	85	85	5	5
MLBC-4015	12	15	40	85	85	5	5
MLBC-4018	16	19	40	85	85	5	5
MLBC-4022	20	23	40	85	85	5	5
MLBC-4025	24	26	40	85	85	5	5
MLBC-4030	27	30	40	85	85	5	5
MLBC-4032	31	32	40	85	85	5	5
MLBC-4035	33	35	40	85	85	5	5
MLBC-4038	36	39	40	85	85	5	5
MLBC-4043	40	43	40	85	85	5	5
MLBC-5025	24	26	50	100	85	5	5
MLBC-5030	27	30	50	100	85	5	5
MLBC-5032	31	32	50	100	85	5	5
MLBC-5035	33	35	50	100	85	5	5
MLBC-5038	36	39	50	100	85	5	5
MLBC-5043	40	43	50	100	85	5	5
MLBC-6025	24	26	60	100	85	5	5
MLBC-6030	27	30	60	100	85	5	5
MLBC-6032	31	32	60	100	85	5	5
MLBC-6035	33	35	60	100	85	5	5
MLBC-6038	36	39	60	100	85	5	5
MLBC-6043	40	43	60	100	85	5	5
MLBC-8025	24	26	80	100	85	5	5
MLBC-8030	27	30	80	100	85	5	5
MLBC-8032	31	32	80	100	85	5	5
MLBC-8035	33	35	80	100	85	5	5
MLBC-8038	36	39	80	100	85	5	5
MLBC-8043	40	43	80	100	85	5	5
MLBC-10030	27	30	100	100	85	5	5
MLBC-10032	31	32	100	100	85	5	5
MLBC-10035	33	35	100	100	85	5	5
MLBC-10038	36	39	100	100	85	5	5
MLBC-10043	40	43	100	100	85	5	5
MLBC-12030	27	30	120	110	85	5	7
MLBC-12032	31	32	120	110	85	5	7
MLBC-12035	33	35	120	110	85	5	7
MLBC-12038	36	39	120	110	85	5	7
MLBC-12043	40	43	120	110	85	5	7
MLBC-15030	27	30	150	120	85	5	7
MLBC-15032	31	32	150	120	85	5	7
MLBC-15035	33	35	150	120	85	5	7
MLBC-15038	36	39	150	120	85	5	7
MLBC-15043	40	43	150	120	85	5	7

NOTA : OTROS ANGULOS A INDICAR - EJEMPLO: MLBC45º
NOTE : SPECIFY ANOTHER ANGLES - EXAMPLE: MLBC45º
NOTE : D'AUTRES ANGLES À PRECISER - EXEMPLE: MLBC45º



MLBBT

Referencia Code Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	A	B
MLBBT-3030	30	30	85	85	5	5
MLBBT-4030	40	30	85	85	5	5
MLBBT-4050	40	50	100	85	5	5
MLBBT-4060	40	60	100	85	5	5
MLBBT-5030	50	30	85	100	5	5
MLBBT-5040	50	40	85	100	5	5
MLBBT-5060	50	60	100	100	5	5
MLBBT-6030	60	30	85	100	5	5
MLBBT-6040	60	40	85	100	5	5
MLBBT-6050	60	50	100	100	5	5
MLBBT-8030	80	30	85	100	5	5
MLBBT-8040	80	40	90	100	5	5
MLBBT-8050	80	50	100	100	5	5
MLBBT-8060	80	60	100	100	5	5
MLBBT-10030	100	30	90	100	5	5
MLBBT-10040	100	40	90	100	5	5
MLBBT-10050	100	50	100	100	5	5
MLBBT-10060	100	60	100	100	5	5
MLBBT-12030	120	30	90	110	7	5
MLBBT-12040	120	40	90	110	7	5
MLBBT-12050	120	50	100	110	7	5
MLBBT-12060	120	60	100	110	7	5
MLBBT-15030	150	30	90	120	7	5
MLBBT-15040	150	40	90	120	7	5
MLBBT-15050	150	50	100	120	7	5
MLBBT-15060	150	60	100	120	7	5



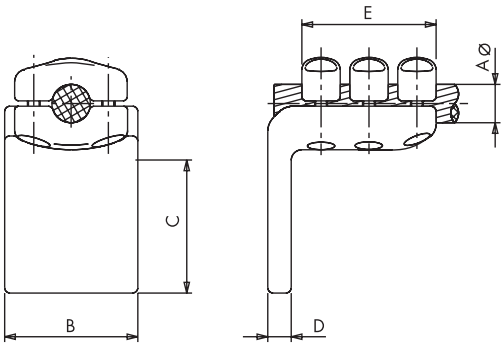
MLCP

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		B	C	D	E	
	Mín.	Máx.					
MLCP-1533	12	15	50	50	15	82	3
MLCP-1544	12	15	60	60	15	82	3
MLCP-1555	12	15	80	80	15	82	3
MLCP-1566	12	15	100	100	15	82	3
MLCP-1588	12	15	125	125	15	82	3
MLCP-1833	16	19	50	50	15	82	3
MLCP-1844	16	19	60	60	15	82	3
MLCP-1855	16	19	80	80	15	82	3
MLCP-1866	16	19	100	100	15	82	3
MLCP-1888	16	19	125	125	15	82	3
MLCP-2233	20	23	50	50	15	82	3
MLCP-2244	20	23	60	60	15	82	3
MLCP-2255	20	23	80	80	15	82	3
MLCP-2266	20	23	100	100	15	82	3
MLCP-2288	20	23	125	125	15	82	3
MLCP-2544	24	26	60	60	15	82	3
MLCP-2555	24	26	80	80	15	82	3
MLCP-2566	24	26	100	100	15	82	3
MLCP-2588	24	26	125	125	15	82	3
MLCP-3044	27	30	60	60	15	82	3
MLCP-3055	27	30	80	80	15	82	3
MLCP-3066	27	30	100	100	15	82	3
MLCP-3088	27	30	125	125	15	82	3
MLCP-3255	31	32	80	80	15	85	5
MLCP-3266	31	32	100	100	15	85	5
MLCP-3288	31	32	125	125	15	85	5
MLCP-3555	33	35	80	80	15	85	5
MLCP-3566	33	35	100	100	15	85	5
MLCP-3588	33	35	125	125	15	85	5
MLCP-3855	36	39	80	80	15	85	5
MLCP-3866	36	39	100	100	15	85	5
MLCP-3888	36	39	125	125	15	85	5
MLCP-4355	40	43	80	80	15	85	5
MLCP-4366	40	43	100	100	15	85	5
MLCP-4388	40	43	125	125	15	85	5

NOTA : OTROS ANGULOS A INDICAR - EJEMPLO: MLCP45º
NOTE : SPECIFY ANOTHER ANGLES - EXAMPLE: MLCP45º
NOTE : D'AUTRES ANGLES À PRECISER - EXEMPLE: MLCP45º

CONECTOR ACODADO A 90º CABLE A PLETINA

RACCORD COUDÉ 90º CABLE À BARRE MÈPLATE



MLC3P

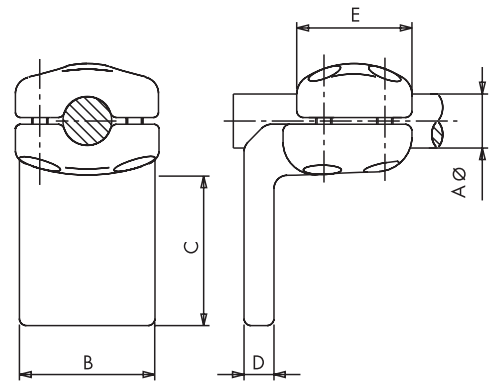
Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		B	C	D	E	
	Mín.	Máx.					
MLC3P-3255	31	32	80	80	20	128	5
MLC3P-3266	31	32	100	100	20	128	5
MLC3P-3288	31	32	125	125	20	128	5
MLC3P-3555	33	35	80	80	20	128	5
MLC3P-3566	33	35	100	100	20	128	5
MLC3P-3588	33	35	125	125	20	128	5
MLC3P-3855	36	39	80	80	20	128	5
MLC3P-3866	36	39	100	100	20	128	5
MLC3P-3888	36	39	125	125	20	128	5
MLC3P-4355	40	43	80	80	20	128	5
MLC3P-4366	40	43	100	100	20	128	5
MLC3P-4388	40	43	125	125	20	128	5

NOTA : OTROS ANGULOS A INDICAR - EJEMPLO: MLC3P45º
NOTE : SPECIFY ANOTHER ANGLES - EXAMPLE: MLC3P45º
NOTE : D'AUTRES ANGLES À PRECISER - EXEMPLE: MLC3P45º

L CONNECTOR STUD TO FLATBAR

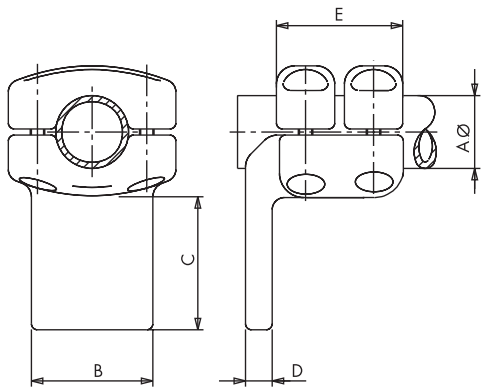
CONECTOR ACODADO A 90º BORNA A PLETINA

RACCORD COUDÉ 90º BORNE À BARRE MÈPLATE



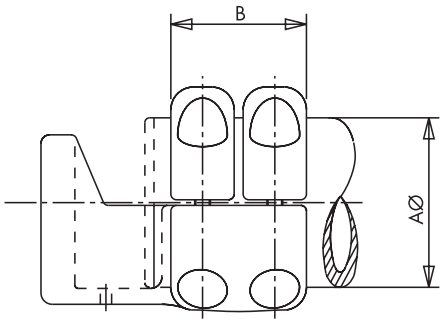
MLBTP

Referencia Code Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	E	
MLBTP-3055	30	80	80	15	85	3
MLBTP-3066	30	100	100	15	85	3
MLBTP-3088	30	125	125	15	85	3
MLBTP-4055	40	80	80	15	85	5
MLBTP-4066	40	100	100	15	85	5
MLBTP-4088	40	125	125	15	85	5
MLBTP-5055	50	80	80	15	100	5
MLBTP-5066	50	100	100	15	100	5
MLBTP-5088	50	125	125	15	100	5
MLBTP-6055	60	80	80	15	100	5
MLBTP-6066	60	100	100	15	100	5
MLBTP-6088	60	125	125	15	100	5

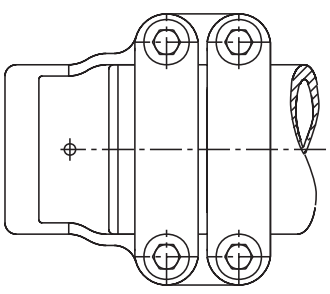


MLBP

Referencia / Code / Référence	mm.					Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	B	C	D	E	
MLBP-4055	40	80	80	15	85	5
MLBP-4066	40	100	100	15	85	5
MLBP-4088	40	125	125	15	85	5
MLBP-5055	50	80	80	15	100	5
MLBP-5066	50	100	100	15	100	5
MLBP-5088	50	125	125	15	100	5
MLBP-6055	60	80	80	15	100	5
MLBP-6066	60	100	100	15	100	5
MLBP-6088	60	125	125	15	100	5
MLBP-8055	80	80	80	15	100	5
MLBP-8066	80	100	100	15	100	5
MLBP-8088	80	125	125	15	100	5
MLBP-10055	100	80	80	15	100	5
MLBP-10066	100	100	100	15	100	5
MLBP-10088	100	125	125	15	100	5
MLBP-12066	120	100	100	15	110	7
MLBP-12088	120	125	125	15	110	7
MLBP-15066	150	100	100	15	120	7
MLBP-15088	150	125	125	15	120	7

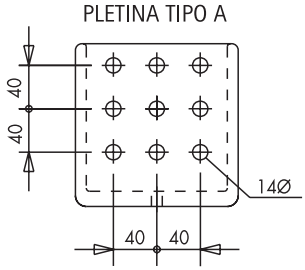


Referencia / Code / Référence	mm		Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	B	
MLBPC-100	100	100	5
MLBPC-120	120	110	7
MLBPC-150	150	120	7

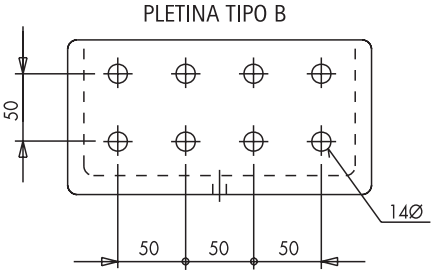


MLBPC

PLETINA TIPO A



PLETINA TIPO B

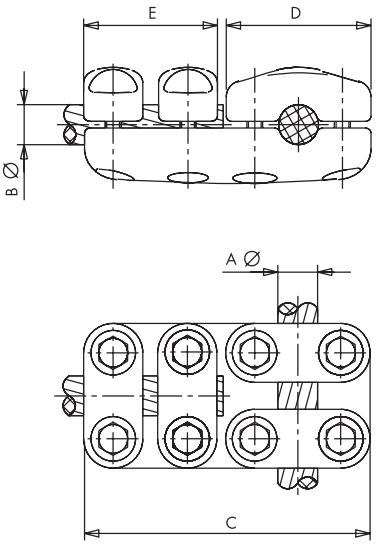



Powering Progress

T Connectors
Derivaciones en T
Raccords en T





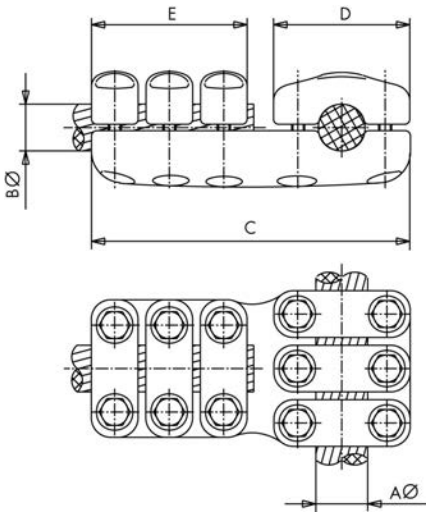


MDCC

Referencia / Code / Référence	mm.							Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		Bø		C	D	E	
	Mín.	Máx.	Mín.	Máx.				
MDCC-1515	12	15	12	15	180	92	82	3
MDCC-1818	16	19	16	19	180	92	82	3
MDCC-2222	20	23	20	23	180	92	82	3
MDCC-2525	24	26	24	26	180	92	82	3
MDCC-3030	27	30	27	30	180	92	82	3
MDCC-2232	20	23	31	32	198	107	85	5
MDCC-2235	20	23	33	35	198	107	85	5
MDCC-2238	20	23	36	39	198	107	85	5
MDCC-2532	24	26	31	32	198	107	85	5
MDCC-2535	24	26	33	35	198	107	85	5
MDCC-2538	24	26	36	39	198	107	85	5
MDCC-3032	27	30	31	32	198	107	85	5
MDCC-3035	27	30	33	35	198	107	85	5
MDCC-3038	27	30	36	39	198	107	85	5
MDCC-3222	31	32	20	23	198	107	85	5
MDCC-3522	33	35	20	23	198	107	85	5
MDCC-3822	36	39	20	23	198	107	85	5
MDCC-3225	31	32	24	26	198	107	85	5
MDCC-3525	33	35	24	26	198	107	85	5
MDCC-3825	36	39	24	26	198	107	85	5
MDCC-3230	31	32	27	30	198	107	85	5
MDCC-3530	33	35	27	30	198	107	85	5
MDCC-3830	36	39	27	30	198	107	85	5
MDCC-3232	31	32	31	32	198	107	85	5
MDCC-3535	33	35	33	35	198	107	85	5
MDCC-3835	36	39	33	35	198	107	85	5
MDCC-3238	31	32	36	39	198	107	85	5
MDCC-3538	33	35	36	39	198	107	85	5
MDCC-3838	36	39	36	39	198	107	85	5
MDCC-3243	31	32	40	43	198	107	85	5
MDCC-3543	33	35	40	43	198	107	85	5
MDCC-3843	36	39	40	43	198	107	85	5
MDCC-4343	40	43	40	43	198	107	85	5

DERIVACIÓN EN T PARA CABLES

RACCORD EN T POUR CABLES



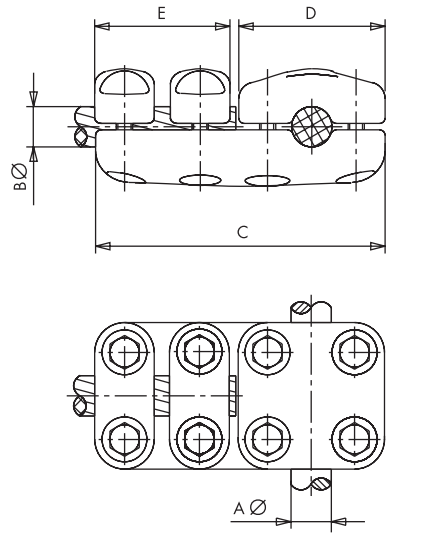
MDCC3

Referencia Code Référence	mm.							Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		Bø		C	D	E	
	Mín.	Máx.	Mín.	Máx.				
MDCC3-3030	27	30	27	30	245	107	120	3
MDCC3-3232	31	32	31	32	245	107	120	3
MDCC3-3535	33	35	33	35	245	107	120	3
MDCC3-3838	36	39	36	39	245	107	120	3
MDCC3-4343	40	43	40	43	245	107	120	3

T CONNECTOR THROUGH CABLE TO TAP STUD

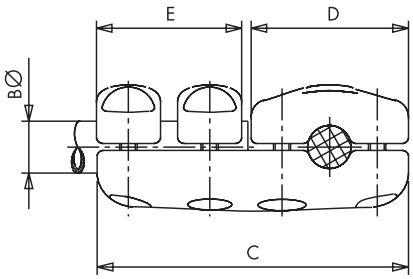
DERIVACIÓN EN T CABLE PASANTE A BORNA DERIVADA

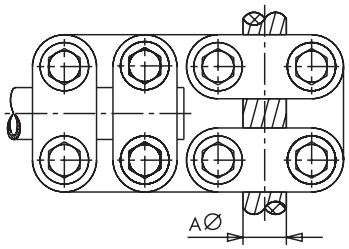
RACCORD EN T CABLE TRAVERSANT À *BORNE DÉRIVÉE*



MDCBT

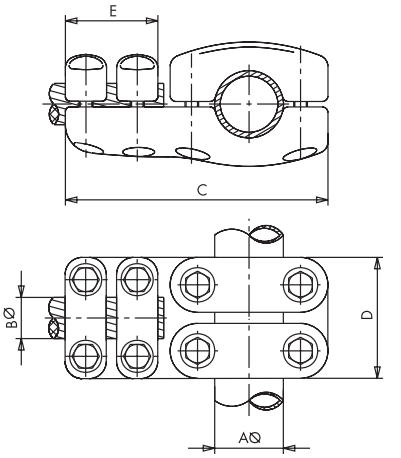
Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		Bø	C	D	E	
	Mín.	Máx.					
MDCBT-1530	12	15	30	180	92	82	3
MDCBT-1830	16	19	30	180	92	82	3
MDCBT-2230	20	23	30	180	92	82	3
MDCBT-2530	24	26	30	180	92	82	3
MDCBT-3030	27	30	30	180	92	82	3
MDCBT-3230	31	32	30	198	107	85	5
MDCBT-3530	33	35	30	198	107	85	5
MDCBT-3830	36	39	30	198	107	85	5
MDCBT-4330	40	43	30	198	107	85	5
MDCBT-2240	20	23	40	198	107	85	5
MDCBT-2540	24	26	40	198	107	85	5
MDCBT-3040	27	30	40	198	107	85	5
MDCBT-3240	31	32	40	198	107	85	5
MDCBT-3540	33	35	40	198	107	85	5
MDCBT-3840	36	39	40	198	107	85	5
MDCBT-4340	40	43	40	198	107	85	5
MDCBT-2250	20	23	50	222	107	100	5
MDCBT-2550	24	26	50	222	107	100	5
MDCBT-3050	27	30	50	222	107	100	5
MDCBT-3250	31	32	50	222	107	100	5
MDCBT-3550	33	35	50	222	107	100	5
MDCBT-3850	36	39	50	222	107	100	5
MDCBT-4350	40	43	50	222	107	100	5
MDCBT-2260	20	23	60	225	107	100	5
MDCBT-2560	24	26	60	225	107	100	5
MDCBT-3060	27	30	60	225	107	100	5
MDCBT-3260	31	32	60	225	107	100	5
MDCBT-3560	33	35	60	225	107	100	5
MDCBT-3860	36	39	60	225	107	100	5
MDCBT-4360	40	43	60	225	107	100	5

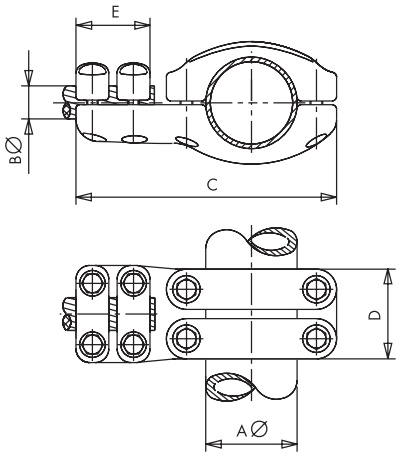




MDCB

Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		Bø	C	D	E	
	Mín.	Máx.					
MDCB-1530	12	15	30	180	92	82	3
MDCB-1830	16	19	30	180	92	82	3
MDCB-2230	20	23	30	180	92	82	3
MDCB-2530	24	26	30	180	92	82	3
MDCB-3030	27	30	30	180	92	82	3
MDCB-3230	31	32	30	198	107	85	5
MDCB-3530	33	35	30	198	107	85	5
MDCB-3830	36	39	30	198	107	85	5
MDCB-4330	40	43	30	198	107	85	5
MDCB-2240	20	23	40	198	107	85	5
MDCB-2540	24	26	40	198	107	85	5
MDCB-3040	27	30	40	198	107	85	5
MDCB-3240	31	32	40	198	107	85	5
MDCB-3540	33	35	40	198	107	85	5
MDCB-3840	36	39	40	198	107	85	5
MDCB-2250	20	23	50	222	107	100	5
MDCB-2550	24	26	50	222	107	100	5
MDCB-3050	27	30	50	222	107	100	5
MDCB-3250	31	32	50	222	107	100	5
MDCB-3550	33	35	50	222	107	100	5
MDCB-3850	36	39	50	222	107	100	5
MDCB-2560	24	26	60	225	107	100	5
MDCB-3060	27	30	60	225	107	100	5
MDCB-3260	31	32	60	225	107	100	5
MDCB-3560	33	35	60	225	107	100	5
MDCB-3860	36	39	60	225	107	100	5
MDCB-4360	40	43	60	225	107	100	5



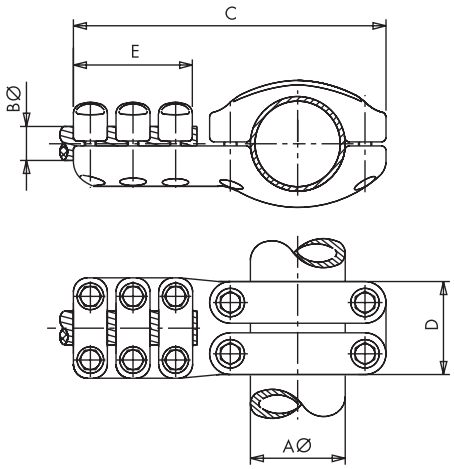


MDBC

Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø		C	D	E		
		Min.	Máx.				A	B
MDBC-3022	30	20	23	180	92	82	3	3
MDBC-3025	30	24	26	180	92	82	3	3
MDBC-3030	30	27	30	180	92	82	3	3
MDBC-4030	40	27	30	198	107	85	5	5
MDBC-4032	40	31	32	198	107	85	5	5
MDBC-4035	40	33	35	198	107	85	5	5
MDBC-4038	40	36	39	198	107	85	5	5
MDBC-5030	50	27	30	214	110	82	5	3
MDBC-5032	50	31	32	218	110	85	5	5
MDBC-5035	50	33	35	218	110	85	5	5
MDBC-5038	50	36	39	218	110	85	5	5
MDBC-5043	50	40	43	218	110	85	5	5
MDBC-6030	60	27	30	230	110	82	5	3
MDBC-6032	60	31	32	237	110	85	5	5
MDBC-6035	60	33	35	237	110	85	5	5
MDBC-6038	60	36	39	237	110	85	5	5
MDBC-6043	60	40	43	237	110	85	5	5
MDBC-8030	80	27	30	252	100	82	5	3
MDBC-8032	80	31	32	256	100	85	5	5
MDBC-8035	80	33	35	256	100	85	5	5
MDBC-8038	80	36	39	256	100	85	5	5
MDBC-10030	100	27	30	275	100	82	5	3
MDBC-10032	100	31	32	285	100	85	5	5
MDBC-10035	100	33	35	285	100	85	5	5
MDBC-10038	100	36	39	285	100	85	5	5
MDBC-12030	120	27	30	305	110	82	7	3
MDBC-12032	120	31	32	313	110	85	7	5
MDBC-12035	120	33	35	313	110	85	7	5
MDBC-12038	120	36	39	313	110	85	7	5
MDBC-15030	150	27	30	340	120	82	7	3
MDBC-15032	150	31	32	345	120	85	7	5
MDBC-15035	150	33	35	345	120	85	7	5
MDBC-15038	150	36	39	345	120	85	7	5

DERIVACIÓN EN T TUBO PASANTE A CABLE DERIVADO

RACCORD EN T TUBE TRAVERSANT À *CABLE DÉRIVÉ*



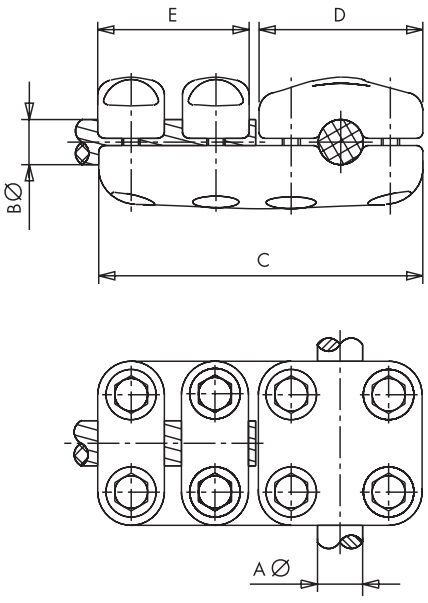
MDBC3

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø		C	D	E		
		Mín.	Máx.				A	B
MDBC3-8030	80	27	30	298	100	138	5	5
MDBC3-8032	80	31	32	298	100	138	5	5
MDBC3-8035	80	33	35	298	100	138	5	5
MDBC3-8038	80	36	39	298	100	138	5	5
MDBC3-8043	80	40	43	298	100	138	5	5
MDBC3-10030	100	27	30	326	100	138	5	5
MDBC3-10032	100	31	32	326	100	138	5	5
MDBC3-10035	100	33	35	326	100	138	5	5
MDBC3-10038	100	36	39	326	100	138	5	5
MDBC3-10043	100	40	43	326	100	138	5	5
MDBC3-12030	120	27	30	356	110	138	7	5
MDBC3-12032	120	31	32	356	110	138	7	5
MDBC3-12035	120	33	35	356	110	138	7	5
MDBC3-12038	120	36	39	356	110	138	7	5
MDBC3-12043	120	40	43	356	110	138	7	5
MDBC3-15032	150	31	32	398	120	138	7	5
MDBC3-15035	150	33	35	398	120	138	7	5
MDBC3-15038	150	36	39	398	120	138	7	5
MDBC3-15043	150	40	43	398	120	138	7	5

T CONNECTOR THROUGH STUD AND TAP CABLE

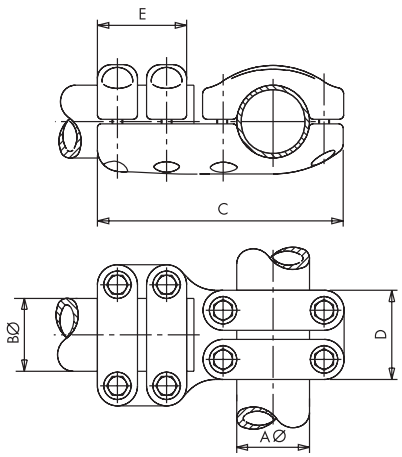
DERIVACIÓN EN T PARA BORNA PASANTE Y DERIVADO CABLE

RACCORD EN T POUR BORNE TRAVERSANT ET *DÉRIVÉ CABLE*



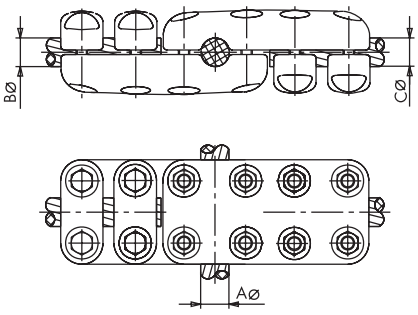
MDBCT

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	Bø		C	D	E	
		Mín.	Máx.				
MDBCT-3015	30	12	15	180	92	85	3
MDBCT-3018	30	16	19	180	92	85	3
MDBCT-3022	30	20	23	180	92	85	3
MDBCT-3025	30	24	26	180	92	85	3
MDBCT-3032	30	31	32	198	107	85	5
MDBCT-3035	30	33	35	198	107	85	5
MDBCT-3038	30	36	39	198	107	85	5
MDBCT-3043	30	40	43	198	107	85	5
MDBCT-4015	40	12	15	198	107	85	5
MDBCT-4018	40	16	19	198	107	85	5
MDBCT-4022	40	20	23	198	107	85	5
MDBCT-4025	40	24	26	198	107	85	5
MDBCT-4030	40	27	30	198	107	85	5
MDBCT-4032	40	31	32	198	107	85	5
MDBCT-4035	40	33	35	198	107	85	5
MDBCT-4038	40	36	38	198	107	85	5
MDBCT-4043	40	40	43	198	107	85	5



MDBB

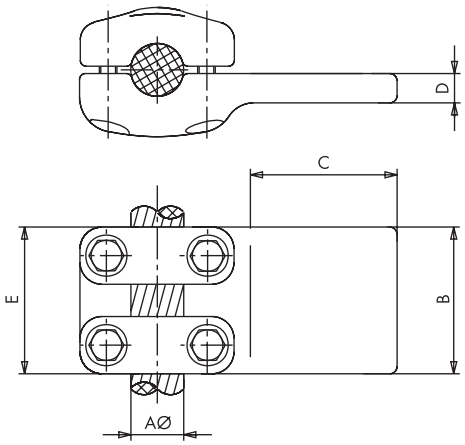
Referencia Code Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
MDBB-5030	50	30	214	110	80	5	3
MDBB-5040	50	40	218	110	80	5	5
MDBB-6030	60	30	230	110	80	5	3
MDBB-6040	60	40	237	110	80	5	5
MDBB-6050	60	50	250	110	80	5	5
MDBB-8050	80	50	275	100	100	5	5
MDBB-8060	80	60	275	100	100	5	5
MDBB-10050	100	50	290	100	100	5	5
MDBB-10060	100	60	295	100	100	5	5
MDBB-10080	100	80	300	100	100	5	5
MDBB-12050	120	50	325	110	100	7	5
MDBB-12060	120	60	325	110	100	7	5
MDBB-12080	120	80	330	110	100	7	5
MDBB-120100	120	100	330	110	100	7	5
MDBB-15050	150	50	360	120	100	7	5
MDBB-15060	150	60	360	120	100	7	5
MDBB-15080	150	80	365	120	100	7	5
MDBB-150100	150	100	365	120	100	7	5
MDBB-150120	150	120	375	120	110	7	7



MDCCC

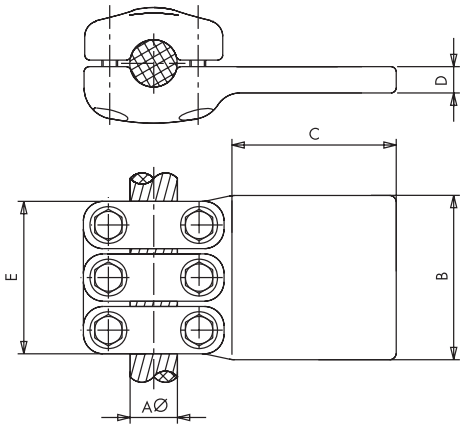
Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		Bø		Cø		
	Mín.	Máx.	Mín.	Máx.	Mín.	Máx.	
MDCCC-151515	12	15	12	15	12	15	3
MDCCC-181818	16	19	16	19	16	19	3
MDCCC-222222	20	23	20	23	20	23	3
MDCCC-252525	24	26	24	26	24	26	3
MDCCC-303030	27	30	27	30	27	30	3
MDCCC-323232	31	32	31	32	31	32	5
MDCCC-353535	33	35	33	35	33	35	5
MDCCC-383838	36	39	36	39	36	39	5
MDCCC-434343	40	43	40	43	40	43	5

NOTA:A INDICAR OTROS TIPOS DE CONEXIONES, CON TUBO, BORNA, ETC.
NOTE:SPECIFY ANOTHER CONNECTION TYPES, WITH TUBE, STUD, ETC.
NOTE:PRECISER D'AUTRES TYPES DE CONNEXIONS, AVEC TUBE, BORNE, ETC.



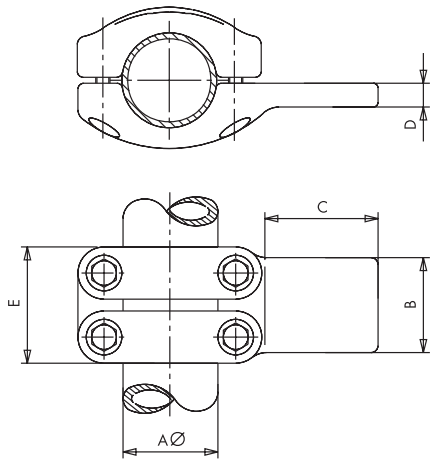
MDCP

Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		B	C	D	E	
	Mín.	Máx.					
MDCP-1533	12	15	50	50	15	85	3
MDCP-1544	12	15	60	60	15	85	3
MDCP-1555	12	15	80	80	15	85	3
MDCP-1833	16	19	50	50	15	85	3
MDCP-1844	16	19	60	60	15	85	3
MDCP-1855	16	19	80	80	15	85	3
MDCP-1866	16	19	100	100	15	85	3
MDCP-2233	20	23	50	50	15	85	3
MDCP-2244	20	23	60	60	15	85	3
MDCP-2255	20	23	80	80	15	85	3
MDCP-2266	20	23	100	100	15	85	3
MDCP-2533	24	26	50	50	15	85	3
MDCP-2544	24	26	60	60	15	85	3
MDCP-2555	24	26	80	80	15	85	3
MDCP-2566	24	26	100	100	15	85	3
MDCP-3044	27	30	60	60	15	85	3
MDCP-3055	27	30	80	80	15	85	3
MDCP-3066	27	30	100	100	15	85	3
MDCP-3088	27	30	125	125	15	85	3
MDCP-3244	31	32	60	60	15	85	5
MDCP-3255	31	32	80	80	15	85	5
MDCP-3266	31	32	100	100	15	85	5
MDCP-3288	31	32	125	125	15	85	5
MDCP-3533	33	34	50	50	15	85	5
MDCP-3544	33	35	60	60	15	85	5
MDCP-3555	33	35	80	80	15	85	5
MDCP-3566	33	35	100	100	15	85	5
MDCP-3588	33	35	125	125	15	85	5
MDCP-3844	36	39	60	60	15	85	5
MDCP-3855	36	39	80	80	15	85	5
MDCP-3866	36	39	100	100	15	85	5
MDCP-3888	36	39	125	125	15	85	5
MDCP-4344	40	43	60	60	15	85	5
MDCP-4355	40	43	80	80	15	85	5
MDCP-4366	40	43	100	100	15	85	5
MDCP-4388	40	43	125	125	15	85	5



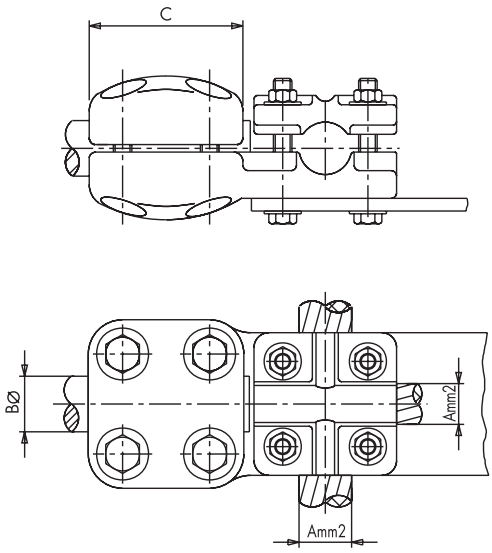
MDC3P

Referencia Code Référence	mm. Aø Mín.	Aø Máx.	B	C	D	E	Par de apriete Tightening torque Couple de serrage (kg.m)
MDC3P-3055	27	30	80	80	15	120	5
MDC3P-3066	27	30	100	100	15	120	5
MDC3P-3088	27	30	125	125	15	120	5
MDC3P-3255	31	32	80	80	15	120	5
MDC3P-3266	31	32	100	100	15	120	5
MDC3P-3288	31	32	125	125	15	120	5
MDC3P-3555	33	35	80	80	15	120	5
MDC3P-3566	33	35	100	100	15	120	5
MDC3P-3588	33	35	125	125	15	120	5
MDC3P-3855	36	39	80	80	15	120	5
MDC3P-3866	36	39	100	100	15	120	5
MDC3P-3888	36	39	125	125	15	120	5
MDC3P-4355	40	43	80	80	15	120	5
MDC3P-4366	40	43	100	100	15	120	5
MDC3P-4388	40	43	125	125	15	120	5



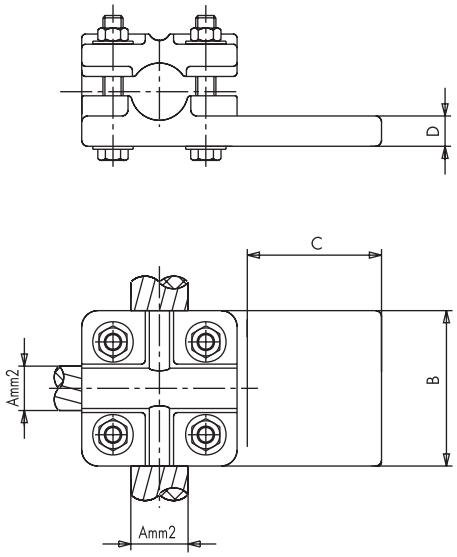
MDBP

Referencia Code Référence	mm. Aø	B	C	D	E	Par de apriete Tightening torque Couple de serrage (kg.m)
MDBP-5035	50	50	80	20	100	5
MDBP-5055	50	80	80	20	100	5
MDBP-5066	50	100	100	20	100	5
MDBP-6035	60	50	80	20	100	5
MDBP-6055	60	80	80	20	100	5
MDBP-6066	60	100	100	20	100	5
MDBP-8055	80	80	80	20	100	5
MDBP-8066	80	100	100	20	100	5
MDBP-8088	80	125	125	20	100	5
MDBP-10055	100	80	80	20	100	5
MDBP-10066	100	100	100	20	100	5
MDBP-10088	100	125	125	20	100	5
MDBP-12066	120	100	100	20	110	7
MDBP-12088	120	125	125	20	110	7
MDBP-15066	150	100	100	20	120	7
MDBP-15088	150	125	125	20	120	7



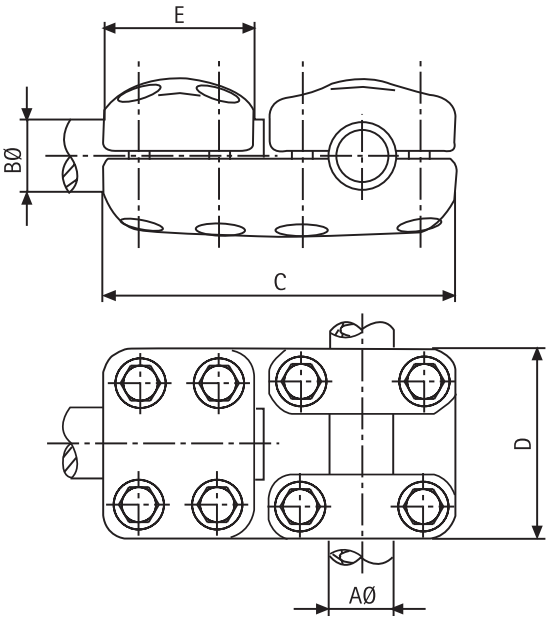
MXCB

Referencia Code Référence	mm.²		mm.		Par de apriete Tightening torque Couple de serrage (kg.m)	
	A		Bø	C		
	Mín.	Máx.			A	B
MXCB-30	50	630	30	82	3	3
MXCB-40	50	630	40	85	3	5



MXCP

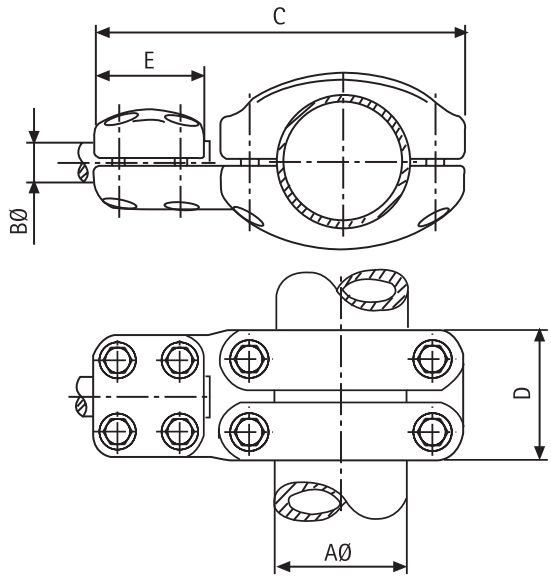
Referencia Code Référence	mm.²		mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	A		B	C	D	
	Mín.	Máx.				
MXCP-63044	50	630	60	60	20	3
MXCP-63055	50	630	75	75	20	3
MXCP-63066	50	630	100	100	20	3



MDBBT

Referencia / Code / Référence	mm.					Par de apriete / Tightening torque / Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
MDBBT-2530	25	30	180	92	82	3	3
MDBBT-3030	30	30	180	92	82	3	3
MDBBT-4030	40	30	198	107	85	5	5
MDBBT-4050	40	50	224	95	100	5	5
MDBBT-4060	40	60	224	95	100	5	5
MDBBT-5030	50	30	215	100	82	5	3
MDBBT-5040	50	40	219	100	85	5	5
MDBBT-5060	50	60	229	100	100	5	5
MDBBT-6030	60	30	232	105	82	5	3
MDBBT-6040	60	40	236	105	85	5	5
MDBBT-6050	60	50	250	110	100	5	5

T CONNECTOR THROUGH CABLE TO STUD
DERIVACIÓN EN T TUBO PASANTE A BORNA
RACCORD EN T CABLE TRAVERSANT À BORNE



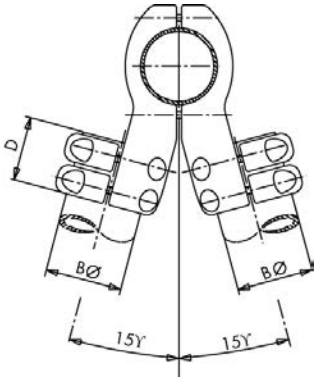
MDBBT

Referencia / Code / Référence	mm.					Par de apriete / Tightening torque / Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
MDBBT-8030	80	30	250	100	82	5	3
MDBBT-8040	80	40	255	100	85	5	5
MDBBT-8050	80	50	266	100	100	5	5
MDBBT-8060	80	60	270	100	100	5	5
MDBBT-10030	100	30	275	100	82	5	3
MDBBT-10040	100	40	285	100	85	5	5
MDBBT-10050	100	50	295	100	100	5	5
MDBBT-10060	100	60	295	100	100	5	5
MDBBT-12030	120	30	305	110	82	7	5
MDBBT-12040	120	40	305	110	85	7	5
MDBBT-12050	120	50	325	110	100	7	5
MDBBT-12060	120	60	325	110	100	7	5
MDBBT-15030	150	30	353	120	85	7	5
MDBBT-15040	150	40	353	120	85	7	5
MDBBT-15050	150	50	360	120	100	7	5
MDBBT-15060	150	60	360	120	100	7	5


Powering Progress

Special Connectors in Angle
Conexiones Especiales en Ángulo
Raccords Particuliers en Angle

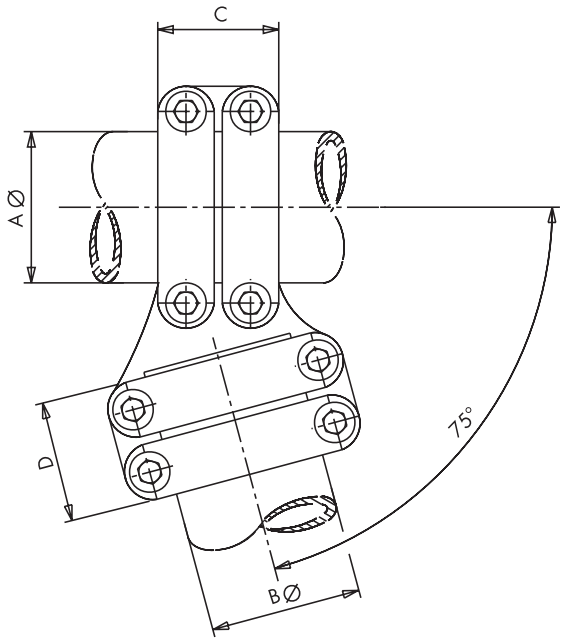




MD2BB30

Referencia Code Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	A	B
MD2BB30-10080	100	80	100	100	5	5
MD2BB30-100100	100	100	100	100	5	5
MD2BB30-12080	120	80	110	100	7	5
MD2BB30-120100	120	100	110	100	7	5
MD2BB30-120120	120	120	110	110	7	7
MD2BB30-150100	150	100	120	100	7	5
MD2BB30-150120	150	120	120	110	7	7
MD2BB30-150150	150	150	120	120	7	7

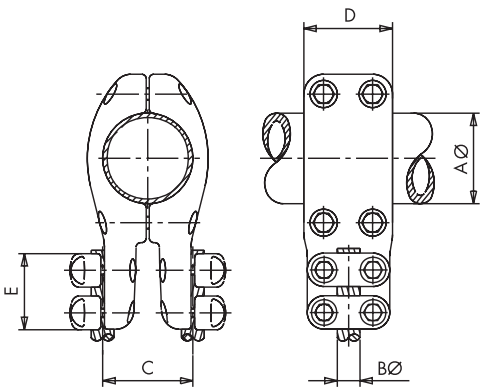
NOTA: OTROS ÁNGULOS A INDICAR
NOTE: SPECIFY ANOTHER ANGLES
NOTE: D'AUTRES ANGLES À PRECISER



MDBB75

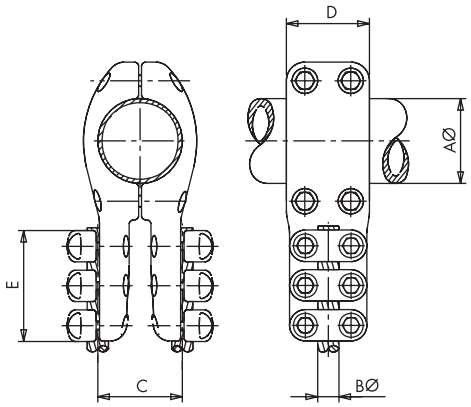
Referencia Code Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	A	B
MDBB75-10080	100	80	100	100	5	5
MDBB75-100100	100	100	100	100	5	5
MDBB75-12080	120	80	110	100	7	5
MDBB75-120100	120	100	110	100	7	5
MDBB75-120120	120	120	110	110	7	7
MDBB75-150100	150	100	120	100	7	5
MDBB75-150120	150	120	120	110	7	7
MDBB75-150150	150	150	120	120	7	7

NOTA: OTROS ÁNGULOS A INDICAR
NOTE: SPECIFY ANOTHER ANGLES
NOTE: D'AUTRES ANGLES À PRECISER



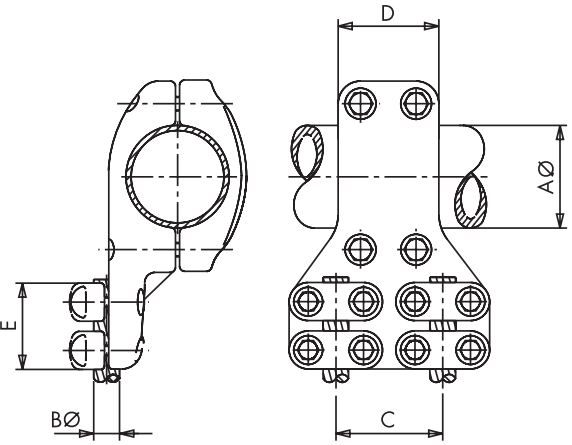
MDBD.1

Referencia Code Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
MDBD.1-8022	80	20-23	100	100	85	5	3
MDBD.1-8025	80	24-26	100	100	85	5	3
MDBD.1-8030	80	27-30	100	100	85	5	3
MDBD.1-10022	100	20-23	100	100	85	5	3
MDBD.1-10025	100	24-26	100	100	85	5	3
MDBD.1-10030	100	27-30	100	100	85	5	3
MDBD.1-10032	100	31-32	100	100	90	5	5
MDBD.1-10035	100	33-35	100	100	90	5	5
MDBD.1-10038	100	36-39	100	100	90	5	5
MDBD.1-10043	100	40-43	100	100	90	5	5
MDBD.1-15032	150	31-32	100	120	90	7	5
MDBD.1-15035	150	33-35	100	120	90	7	5
MDBD.1-15038	150	36-39	100	120	90	7	5
MDBD.1-15043	150	40-43	100	120	90	7	5



MDBD3.1

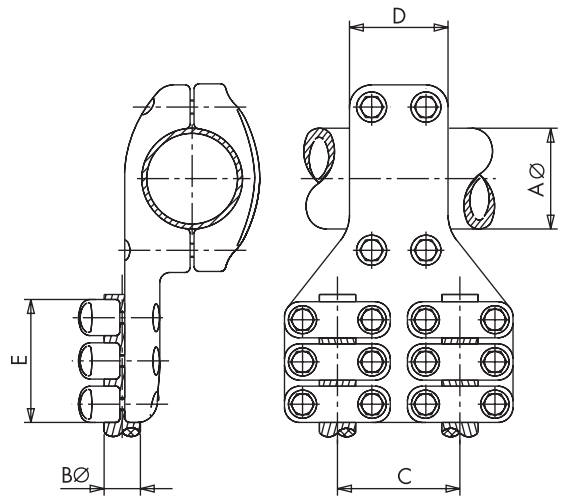
Referencia Code Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
MDBD3.1-10032	100	31-32	100	100	138	5	5
MDBD3.1-10035	100	33-35	100	100	138	5	5
MDBD3.1-10038	100	36-39	100	100	138	5	5
MDBD3.1-10043	100	40-43	100	100	138	5	5
MDBD3.1-15032	150	31-32	100	120	138	7	5
MDBD3.1-15035	150	33-35	100	120	138	7	5
MDBD3.1-15038	150	36-39	100	120	138	7	5
MDBD3.1-15043	150	40-43	100	120	138	7	5



MTBD.1

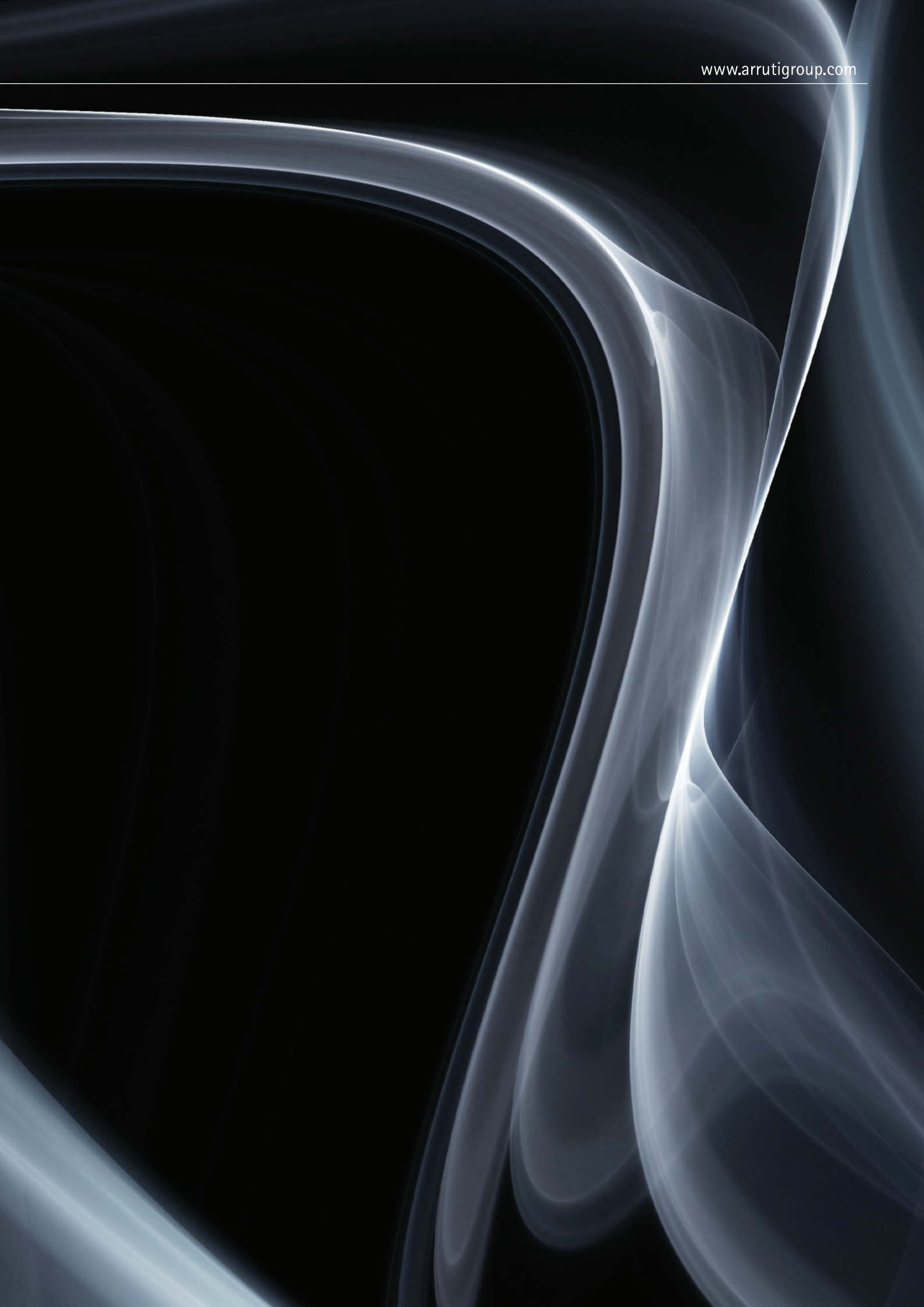
Referencia / Code / Référence	mm.					Par de apriete / Tightening torque / Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
MTBD.1-8022	80	20-23	100	100	85	5	3
MTBD.1-8025	80	24-26	100	100	85	5	3
MTBD.1-8030	80	27-30	100	100	85	5	3
MTBD.1-10022	100	20-23	100	100	85	5	3
MTBD.1-10025	100	24-26	100	100	85	5	3
MTBD.1-10030	100	27-30	100	100	85	5	3
MTBD.1-10032	100	31-32	100	100	85	5	5
MTBD.1-10035	100	33-35	100	100	85	5	5
MTBD.1-10038	100	36-39	100	100	85	5	5
MTBD.1-10043	100	40-43	100	100	85	5	5
MTBD.1-15032	150	31-32	100	100	85	7	5
MTBD.1-15035	150	33-35	100	100	85	7	5
MTBD.1-15038	150	36-39	100	100	85	7	5
MTBD.1-15043	150	40-43	100	100	85	7	5

T CONNECTOR THROUGH TUBE TO DUPLEX CABLE
DERIVACIÓN EN T TUBO PASANTE A CABLE DUPLEX
RACCORD EN T TUBE TRAVERSANT À CABLE DUPLEX



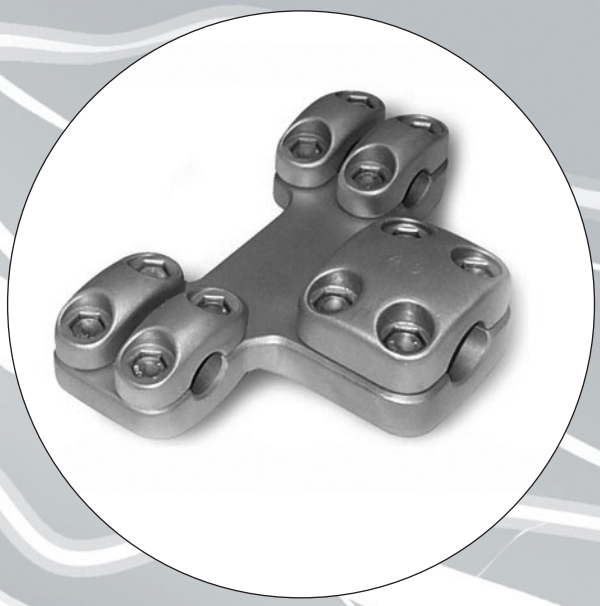
MTBD3.1

Referencia / Code / Référence	mm.					Par de apriete / Tightening torque / Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
MTBD3.1-10032	100	31-32	100	100	138	5	5
MTBD3.1-10035	100	33-35	100	100	138	5	5
MTBD3.1-10038	100	36-39	100	100	138	5	5
MTBD3.1-10043	100	40-43	100	100	138	5	5
MTBD3.1-15032	150	31-32	100	120	138	7	5
MTBD3.1-15035	150	33-35	100	120	138	7	5
MTBD3.1-15038	150	36-39	100	120	138	7	5
MTBD3.1-15043	150	40-43	100	120	138	7	5

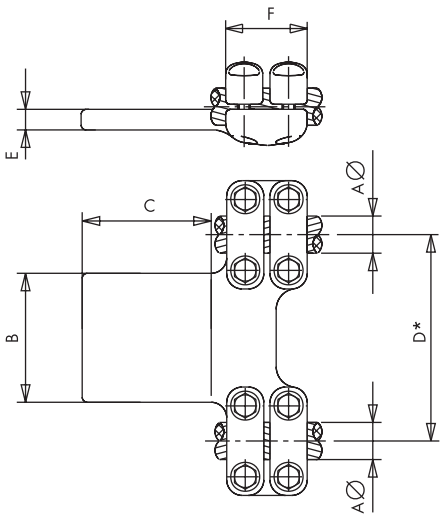



Powering Progress

Duplex Connectors
Conectores Duplex
Raccords Duplex





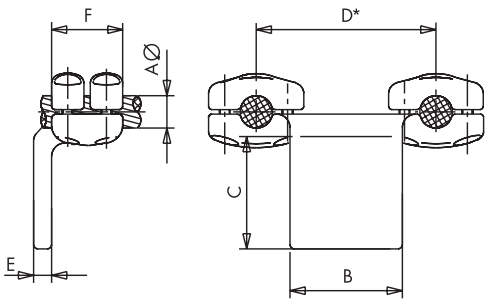


MRDP

NOTA

D*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia Code Référence	mm.							Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		B	C	D*	E	F	
	Mín.	Máx.						
MRDP.*-2255	20	23	80	80	SEGUN NOTA	15	85	3
MRDP.*-2266	20	23	100	100		15	85	3
MRDP.*-2288	20	23	125	125		15	85	3
MRDP.*-22106	20	23	200	100		15	85	3
MRDP.*-2555	24	26	80	80		15	85	3
MRDP.*-2566	24	26	100	100		15	85	3
MRDP.*-2588	24	26	125	125		15	85	3
MRDP.*-25106	24	26	200	100		15	85	3
MRDP.*-3055	27	30	80	80		15	85	3
MRDP.*-3066	27	30	100	100		15	85	3
MRDP.*-3088	27	30	125	125		15	85	3
MRDP.*-30106	27	30	200	100		15	85	3
MRDP.*-3255	31	32	80	80		15	90	5
MRDP.*-3266	31	32	100	100		15	90	5
MRDP.*-3288	31	32	125	125		15	90	5
MRDP.*-32106	31	32	200	100		15	90	5
MRDP.*-3555	33	35	80	80		15	90	5
MRDP.*-3566	33	35	100	100		15	90	5
MRDP.*-3588	33	35	125	125		15	90	5
MRDP.*-35106	33	35	200	100		15	90	5
MRDP.*-3855	36	39	80	80		15	90	5
MRDP.*-3866	36	39	100	100		15	90	5
MRDP.*-3888	36	39	125	125		15	90	5
MRDP.*-38106	36	39	200	100		15	90	5
MRDP.*-4355	40	43	80	80		15	90	5
MRDP.*-4366	40	43	100	100		15	90	5
MRDP.*-4388	40	43	125	125		15	90	5
MRDP.*-43106	40	43	200	100		15	90	5

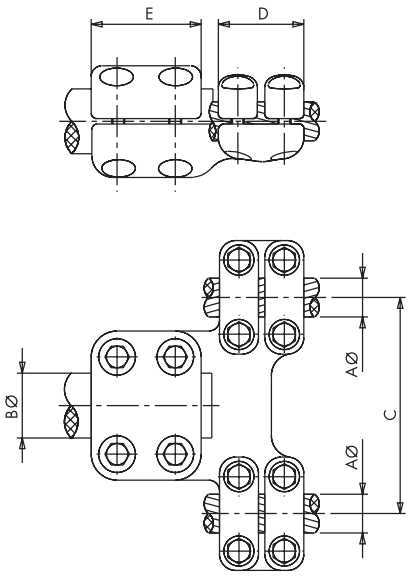


MLDP

NOTA

D*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia Code Référence	mm.							Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		B	C	D*	E	F	
	Mín.	Máx.						
MLDP.*-2255	20	23	80	80	SEGUN NOTA	15	85	3
MLDP.*-2266	20	23	100	100		15	85	3
MLDP.*-2288	20	23	125	125		15	85	3
MLDP.*-22106	20	23	200	100		15	85	3
MLDP.*-2555	24	26	80	80		15	85	3
MLDP.*-2566	24	26	100	100		15	85	3
MLDP.*-2588	24	26	125	125		15	85	3
MLDP.*-25106	24	26	200	100		15	85	3
MLDP.*-3055	27	30	80	80		15	85	3
MLDP.*-3066	27	30	100	100		15	85	3
MLDP.*-3088	27	30	125	125		15	85	3
MLDP.*-30106	27	30	200	100		15	85	3
MLDP.*-3255	31	32	80	80		15	90	5
MLDP.*-3266	31	32	100	100		15	90	5
MLDP.*-3288	31	32	125	125		15	90	5
MLDP.*-32106	31	32	200	100		15	90	5
MLDP.*-3555	33	35	80	80		15	90	5
MLDP.*-3566	33	35	100	100		15	90	5
MLDP.*-3588	33	35	125	125		15	90	5
MLDP.*-35106	33	35	200	100		15	90	5
MLDP.*-3855	36	39	80	80		15	90	5
MLDP.*-3866	36	39	100	100		15	90	5
MLDP.*-3888	36	39	125	125		15	90	5
MLDP.*-38106	36	39	200	100		15	90	5
MLDP.*-4355	40	43	80	80		15	90	5
MLDP.*-4366	40	43	100	100		15	90	5
MLDP.*-4388	40	43	125	125		15	90	5
MLDP.*-43106	40	43	200	100		15	90	5

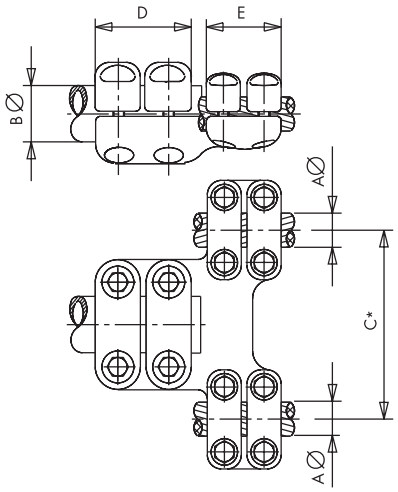


MRDBT

NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C*	D	E		
	Mín.	Máx.					A	B
MRDBT.*-2230	20	23	30	SEGUN NOTA	85	85	3	3
MRDBT.*-2530	24	26	30		85	85	3	3
MRDBT.*-3030	27	30	30		85	85	3	3
MRDBT.*-3230	31	32	30		85	90	5	5
MRDBT.*-3530	33	35	30		85	90	5	5
MRDBT.*-3830	36	39	30		85	90	5	5
MRDBT.*-4330	40	43	30		85	90	5	5
MRDBT.*-2240	20	23	40		85	85	3	5
MRDBT.*-2540	24	26	40		85	85	3	5
MRDBT.*-3040	27	30	40		85	85	3	5
MRDBT.*-3240	31	32	40		85	90	3	5
MRDBT.*-3540	33	35	40		85	90	3	5
MRDBT.*-3840	36	39	40		85	90	3	5
MRDBT.*-4340	40	43	40		85	90	5	5
MRDBT.*-2250	20	23	50		85	100	3	5
MRDBT.*-2550	24	26	50		85	100	3	5
MRDBT.*-3050	27	30	50		85	100	3	5
MRDBT.*-3250	31	32	50		90	100	5	5
MRDBT.*-3550	33	35	50		90	100	5	5
MRDBT.*-3850	36	39	50		90	100	5	5
MRDBT.*-4350	40	43	50		90	100	5	5
MRDBT.*-2260	20	23	60		85	100	3	5
MRDBT.*-2560	24	26	60		85	100	3	5
MRDBT.*-3060	27	30	60		85	100	3	5
MRDBT.*-3260	31	32	60		90	100	5	5
MRDBT.*-3560	33	35	60		90	100	5	5
MRDBT.*-3860	36	39	60		90	100	5	5
MRDBT.*-4360	40	43	60		90	100	5	5

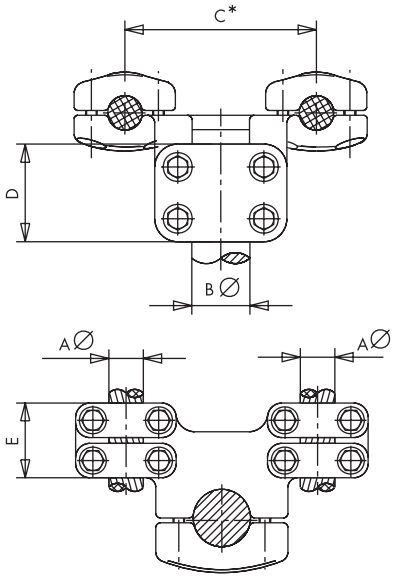


MRDB.*

NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C*	D	E		
	Mín.	Máx.					A	B
MRDB.*-2230	20	23	30	SEGUN NOTA	85	85	3	3
MRDB.*-2530	24	26	30		85	85	3	3
MRDB.*-3030	27	30	30		85	85	3	3
MRDB.*-3230	31	32	30		85	90	5	5
MRDB.*-3530	33	35	30		85	90	5	5
MRDB.*-3830	36	39	30		85	90	5	5
MRDB.*-4330	40	43	30		85	90	5	5
MRDB.*-2240	20	23	40		85	85	3	5
MRDB.*-2540	24	26	40		85	85	3	5
MRDB.*-3040	27	30	40		85	85	3	5
MRDB.*-3240	31	32	40		85	90	3	5
MRDB.*-3540	33	35	40		85	90	3	5
MRDB.*-3840	36	39	40		85	90	3	5
MRDB.*-4340	40	43	40		85	90	5	5
MRDB.*-2250	20	23	50		100	85	3	5
MRDB.*-2550	24	26	50		100	85	3	5
MRDB.*-3050	27	30	50		100	85	3	5
MRDB.*-3250	31	32	50		100	90	5	5
MRDB.*-3550	33	35	50		100	90	5	5
MRDB.*-3850	36	39	50		100	90	5	5
MRDB.*-4350	40	43	50		100	90	5	5
MRDB.*-2260	20	23	60		100	85	3	5
MRDB.*-2560	24	26	60		100	85	3	5
MRDB.*-3060	27	30	60		100	85	3	5
MRDB.*-3260	31	32	60		100	90	5	5
MRDB.*-3560	33	35	60		100	90	5	5
MRDB.*-3860	36	39	60		100	90	5	5
MRDB.*-4360	40	43	60		100	90	5	5

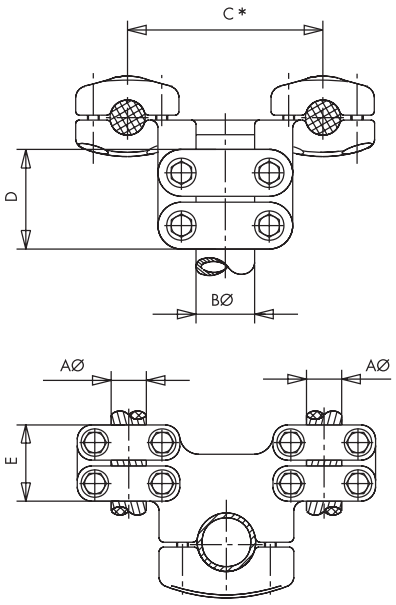


MLDBT

NOTA

C*
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- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C*	D	E		
	Mín.	Máx.					A	B
MLDBT.*-2230	20	23	30	SEGUN NOTA	85	85	3	3
MLDBT.*-2530	24	26	30		85	85	3	3
MLDBT.*-3030	27	30	30		85	85	3	3
MLDBT.*-3230	31	32	30		85	90	5	5
MLDBT.*-3530	33	35	30		85	90	5	5
MLDBT.*-3830	36	39	30		85	90	5	5
MLDBT.*-4330	40	43	30		85	90	5	5
MLDBT.*-2240	20	23	40		85	85	3	5
MLDBT.*-2540	24	26	40		85	85	3	5
MLDBT.*-3040	27	30	40		85	85	3	5
MLDBT.*-3240	31	32	40		85	90	3	5
MLDBT.*-3540	33	35	40		85	90	3	5
MLDBT.*-3840	36	39	40		85	90	3	5
MLDBT.*-4340	40	43	40		85	90	5	5
MLDBT.*-2250	20	23	50		100	85	3	5
MLDBT.*-2550	24	26	50		100	85	3	5
MLDBT.*-3050	27	30	50		100	85	3	5
MLDBT.*-3250	31	32	50		100	90	5	5
MLDBT.*-3550	33	35	50		100	90	5	5
MLDBT.*-3850	36	39	50		100	90	5	5
MLDBT.*-4350	40	43	50		100	90	5	5
MLDBT.*-2260	20	23	60		100	85	3	5
MLDBT.*-2560	24	26	60		100	85	3	5
MLDBT.*-3060	27	30	60		100	85	3	5
MLDBT.*-3260	31	32	60		100	90	5	5
MLDBT.*-3560	33	35	60		100	90	5	5
MLDBT.*-3860	36	39	60		100	90	5	5
MLDBT.*-4360	40	43	60		100	90	5	5

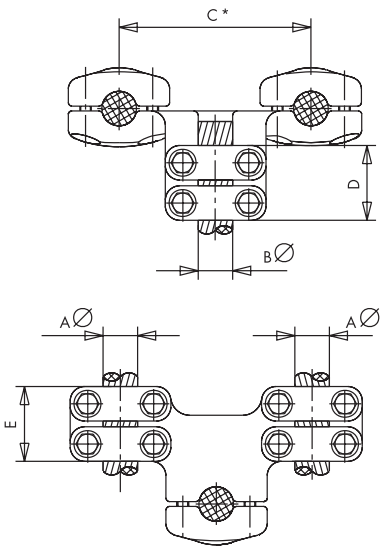


MLDB

NOTA

C*
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- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C*	D	E		
	Mín.	Máx.					A	B
MLDB.*-2230	20	23	30	SEGUN NOTA	85	85	3	3
MLDB.*-2530	24	26	30		85	85	3	3
MLDB.*-3030	27	30	30		85	85	3	3
MLDB.*-3230	31	32	30		85	90	5	5
MLDB.*-3530	33	35	30		85	90	5	5
MLDB.*-3830	36	39	30		85	90	5	5
MLDB.*-4330	40	43	30		85	90	5	5
MLDB.*-2240	20	23	40		85	85	3	5
MLDB.*-2540	24	26	40		85	85	3	5
MLDB.*-3040	27	30	40		85	85	3	5
MLDB.*-3240	31	32	40		85	90	3	5
MLDB.*-3540	33	35	40		85	90	3	5
MLDB.*-3840	36	39	40		85	90	3	5
MLDB.*-4340	40	43	40		85	90	5	5
MLDB.*-2250	20	23	50		100	85	3	5
MLDB.*-2550	24	26	50		100	85	3	5
MLDB.*-3050	27	30	50		100	85	3	5
MLDB.*-3250	31	32	50		100	90	5	5
MLDB.*-3550	33	35	50		100	90	5	5
MLDB.*-3850	36	39	50		100	90	5	5
MLDB.*-4350	40	43	50		100	90	5	5
MLDB.*-2260	20	23	60		100	85	3	5
MLDB.*-2560	24	26	60		100	85	3	5
MLDB.*-3060	27	30	60		100	85	3	5
MLDB.*-3260	31	32	60		100	90	5	5
MLDB.*-3560	33	35	60		100	90	5	5
MLDB.*-3860	36	39	60		100	90	5	5
MLDB.*-4360	40	43	60		100	90	5	5

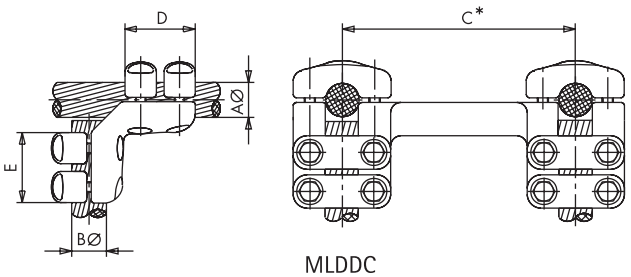


MLDC

NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia Code Référence	mm.							Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø		C*	D	E		
	Mín.	Máx.	Mín.	Máx.				A	B
MLDC.*2222	20	23	20	23	SEGUN NOTA	85	85	3	3
MLDC.*2225	20	23	24	26		85	85	3	3
MLDC.*2230	20	23	27	30		85	85	3	3
MLDC.*2522	24	26	20	23		85	85	3	3
MLDC.*2525	24	26	24	26		85	85	3	3
MLDC.*2530	24	26	27	30		85	85	3	3
MLDC.*3022	27	30	20	23		85	85	3	3
MLDC.*3025	27	30	24	26		85	85	3	3
MLDC.*3030	27	30	27	30		85	85	3	3
MLDC.*3032	27	30	31	32		90	85	3	5
MLDC.*3035	27	30	33	35		90	85	3	5
MLDC.*3038	27	30	36	39		90	85	3	5
MLDC.*3043	27	30	40	43		90	85	3	5
MLDC.*3222	31	32	20	23		85	90	5	3
MLDC.*3225	31	32	24	26		85	90	5	3
MLDC.*3230	31	32	27	30		85	90	5	3
MLDC.*3232	31	32	31	32		90	90	5	5
MLDC.*3235	31	32	33	35		90	90	5	5
MLDC.*3238	31	32	36	39		90	90	5	5
MLDC.*3243	31	32	40	43		90	90	5	5
MLDC.*3522	33	35	20	23		85	90	5	3
MLDC.*3525	33	35	24	26		85	90	5	3
MLDC.*3530	33	35	27	30		85	90	5	3
MLDC.*3532	33	35	31	32		90	90	5	5
MLDC.*3535	33	35	33	35		90	90	5	5
MLDC.*3538	33	35	36	39		90	90	5	5
MLDC.*3543	33	35	40	43		90	90	5	5
MLDC.*3822	36	39	20	23		85	90	5	3
MLDC.*3825	36	39	24	26		85	90	5	3
MLDC.*3830	36	39	27	30		85	90	5	3
MLDC.*3832	36	39	31	32		90	90	5	5
MLDC.*3835	36	39	33	35		90	90	5	5
MLDC.*3838	36	39	36	39		90	90	5	5
MLDC.*3843	36	39	40	43		90	90	5	5
MLDC.*4330	40	43	27	30		85	90	5	3
MLDC.*4332	40	43	31	32		90	90	5	5
MLDC.*4335	40	43	33	35		90	90	5	5
MLDC.*4338	40	43	36	39		90	90	5	5
MLDC.*4343	40	43	40	43		90	90	5	5

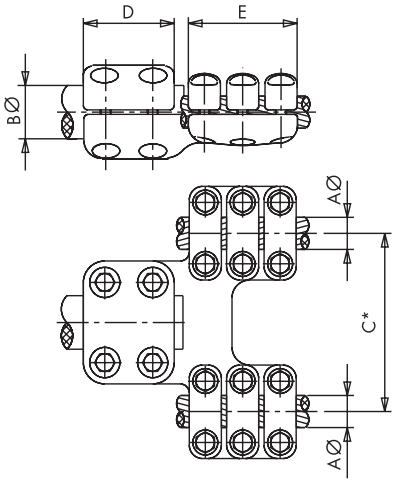


MLDDC

NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia / Code / Référence	mm.							Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø		C*	D	E		
	Mín.	Máx.	Mín.	Máx.				A	B
MLDDC.*2222	20	23	20	23	SEGUN NOTA	85	85	3	3
MLDDC.*2225	20	23	24	26		85	85	3	3
MLDDC.*2230	20	23	27	30		85	85	3	3
MLDDC.*2522	24	26	20	23		85	85	3	3
MLDDC.*2525	24	26	24	26		85	85	3	3
MLDDC.*2530	24	26	27	30		85	85	3	3
MLDDC.*3022	27	30	20	23		85	85	3	3
MLDDC.*3025	27	30	24	26		85	85	3	3
MLDDC.*3030	27	30	27	30		85	85	3	3
MLDDC.*3230	31	32	27	30		85	90	5	3
MLDDC.*3232	31	32	31	32		90	90	5	5
MLDDC.*3235	31	32	33	35		90	90	5	5
MLDDC.*3238	31	32	36	39		90	90	5	5
MLDDC.*3243	31	32	40	43		90	90	5	5
MLDDC.*3530	33	35	27	30		85	90	5	3
MLDDC.*3532	33	35	31	32		90	90	5	5
MLDDC.*3535	33	35	33	35		90	90	5	5
MLDDC.*3538	33	35	36	39		90	90	5	5
MLDDC.*3543	33	35	40	43		90	90	5	5
MLDDC.*3830	36	39	27	30		85	90	5	3
MLDDC.*3832	36	39	31	32		90	90	5	5
MLDDC.*3835	36	39	33	35		90	90	5	5
MLDDC.*3838	36	39	36	39		90	90	5	5
MLDDC.*3843	36	39	40	43		90	90	5	5
MLDDC.*4330	40	43	27	30		85	90	5	3
MLDDC.*4332	40	43	31	32		90	90	5	5
MLDDC.*4335	40	43	33	35		90	90	5	5
MLDDC.*4338	40	43	36	39		90	90	5	5
MLDDC.*4343	40	43	40	43		90	90	5	5

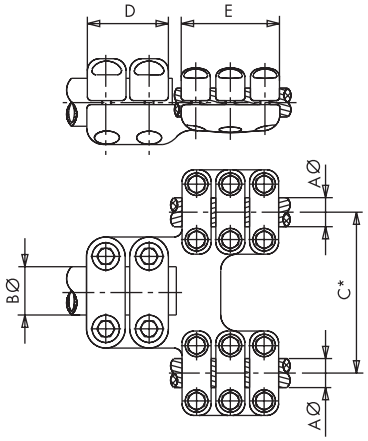


MRD3BT

NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C*	D	E		
	Mín.	Máx.					A	B
MRD3BT.*-3030	27	30	30	SEGUN NOTA	85	138	5	5
MRD3BT.*-3230	31	32	30		85	138	5	5
MRD3BT.*-3530	33	35	30		85	138	5	5
MRD3BT.*-3830	36	39	30		85	138	5	5
MRD3BT.*-4330	40	43	30		85	138	5	5
MRD3BT.*-3040	27	30	40		85	138	5	5
MRD3BT.*-3240	31	32	40		85	138	5	5
MRD3BT.*-3540	33	35	40		85	138	5	5
MRD3BT.*-3840	36	39	40		85	138	5	5
MRD3BT.*-4340	40	43	40		85	138	5	5
MRD3BT.*-3050	27	30	50		100	138	5	5
MRD3BT.*-3250	31	32	50		100	138	5	5
MRD3BT.*-3550	33	35	50		100	138	5	5
MRD3BT.*-3850	36	39	50		100	138	5	5
MRD3BT.*-4350	40	43	50		100	138	5	5
MRD3BT.*-3060	27	30	60		100	138	5	5
MRD3BT.*-3260	31	32	60		100	138	5	5
MRD3BT.*-3560	33	35	60		100	138	5	5
MRD3BT.*-3860	36	39	60		100	138	5	5
MRD3BT.*-4360	40	43	60		100	138	5	5

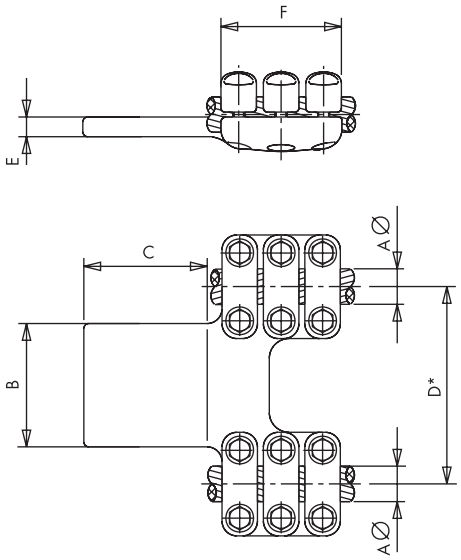


MRD3B

NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C*	D	E		
	Mín.	Máx.					A	B
MRD3B.*-3030	27	30	30	SEGUN NOTA	85	138	5	5
MRD3B.*-3230	31	32	30		85	138	5	5
MRD3B.*-3530	33	35	30		85	138	5	5
MRD3B.*-3830	36	39	30		85	138	5	5
MRD3B.*-4330	40	43	30		85	138	5	5
MRD3B.*-3040	27	30	40		85	138	5	5
MRD3B.*-3240	31	32	40		85	138	5	5
MRD3B.*-3540	33	35	40		85	138	5	5
MRD3B.*-3840	36	39	40		85	138	5	5
MRD3B.*-4340	40	43	40		85	138	5	5
MRD3B.*-3050	27	30	50		100	138	5	5
MRD3B.*-3250	31	32	50		100	138	5	5
MRD3B.*-3550	33	35	50		100	138	5	5
MRD3B.*-3850	36	39	50		100	138	5	5
MRD3B.*-4350	40	43	50		100	138	5	5
MRD3B.*-3060	27	30	60		100	138	5	5
MRD3B.*-3260	31	32	60		100	138	5	5
MRD3B.*-3560	33	35	60		100	138	5	5
MRD3B.*-3860	36	39	60		100	138	5	5
MRD3B.*-4360	40	43	60		100	138	5	5

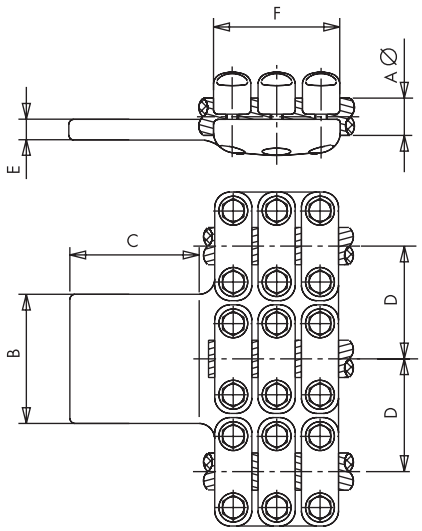


MRD3P

NOTA

D*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia / Code / Référence	mm. Aø Mín.	Aø Máx.	B	C	D*	E	F	Par de apriete / Tightening torque / Couple de serrage (kg.m)
MRD3P.*-3055	27	30	80	80	SEGUN NOTA	15	138	5
MRD3P.*-3066	27	30	100	100		15	138	5
MRD3P.*-3088	27	30	125	125		15	138	5
MRD3P.*-30106	27	30	200	100		15	138	5
MRD3P.*-3255	31	32	80	80		15	138	5
MRD3P.*-3266	31	32	100	100		15	138	5
MRD3P.*-3288	31	32	125	125		15	138	5
MRD3P.*-32106	31	32	200	100		15	138	5
MRD3P.*-3555	33	35	80	80		15	138	5
MRD3P.*-3566	33	35	100	100		15	138	5
MRD3P.*-3588	33	35	125	125		15	138	5
MRD3P.*-35106	33	35	200	100		15	138	5
MRD3P.*-3855	36	39	80	80		15	138	5
MRD3P.*-3866	36	39	100	100		15	138	5
MRD3P.*-3888	36	39	125	125		15	138	5
MRD3P.*-38106	36	39	200	100		15	138	5
MRD3P.*-4355	40	43	80	80		15	138	5
MRD3P.*-4366	40	43	100	100		15	138	5
MRD3P.*-4388	40	43	125	125		15	138	5
MRD3P.*-43106	40	43	200	100		15	138	5

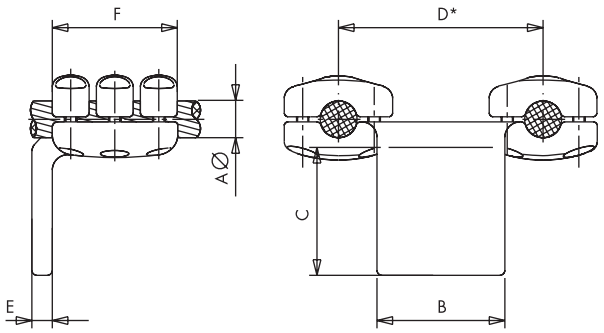


MR3C3P

Referencia / Code / Référence	mm. Aø Mín.	Aø Máx.	B	C	D	E	F	Par de apriete / Tightening torque / Couple de serrage (kg.m)
MR3C3P.*-3055	27	30	80	80	110	15	138	5
MR3C3P.*-3066	27	30	100	100	110	15	138	5
MR3C3P.*-3088	27	30	125	125	110	15	138	5
MR3C3P.*-30106	27	30	200	100	110	15	138	5
MR3C3P.*-3255	31	32	80	80	110	15	138	5
MR3C3P.*-3266	31	32	100	100	110	15	138	5
MR3C3P.*-3288	31	32	125	125	110	15	138	5
MR3C3P.*-32106	31	32	200	100	110	15	138	5
MR3C3P.*-3555	33	35	80	80	110	15	138	5
MR3C3P.*-3566	33	35	100	100	110	15	138	5
MR3C3P.*-3588	33	35	125	125	110	15	138	5
MR3C3P.*-35106	33	35	200	100	110	15	138	5
MR3C3P.*-3855	36	39	80	80	110	15	138	5
MR3C3P.*-3866	36	39	100	100	110	15	138	5
MR3C3P.*-3888	36	39	125	125	110	15	138	5
MR3C3P.*-38106	36	39	200	100	110	15	138	5
MR3C3P.*-4355	40	43	80	80	110	15	138	5
MR3C3P.*-4366	40	43	100	100	110	15	138	5
MR3C3P.*-4388	40	43	125	125	110	15	138	5
MR3C3P.*-43106	40	43	200	100	110	15	138	5

CONECTOR ACODADO A 90° CABLE DUPLEX A PLETINA

RACCORD COUDÉ À 90º CABLE DUPLEX À BARRE MÈPLATE



MLD3P

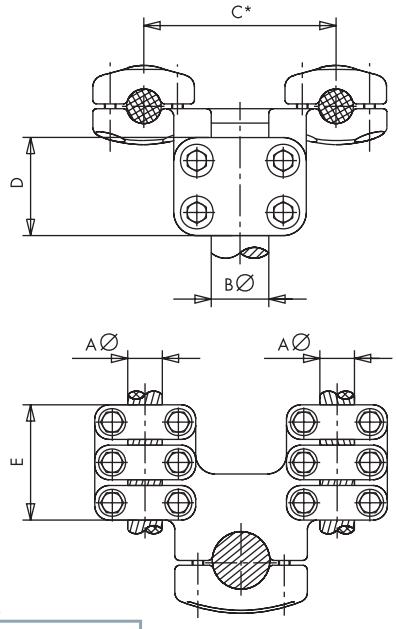
NOTA

D*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia / Code / Référence	mm.							Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø		B	C	D*	E	F	
	Mín.	Máx.						
MLD3P.*-3055	27	30	80	80	SEGUN NOTA	15	138	5
MLD3P.*-3066	27	30	100	100		15	138	5
MLD3P.*-3088	27	30	125	125		15	138	5
MLD3P.*-30106	27	30	200	100		15	138	5
MLD3P.*-3255	31	32	80	80		15	138	5
MLD3P.*-3266	31	32	100	100		15	138	5
MLD3P.*-3288	31	32	125	125		15	138	5
MLD3P.*-32106	31	32	200	100		15	138	5
MLD3P.*-3555	33	35	80	80		15	138	5
MLD3P.*-3566	33	35	100	100		15	138	5
MLD3P.*-3588	33	35	125	125		15	138	5
MLD3P.*-35106	33	35	200	100		15	138	5
MLD3P.*-3855	36	39	80	80		15	138	5
MLD3P.*-3866	36	39	100	100		15	138	5
MLD3P.*-3888	36	39	125	125		15	138	5
MLD3P.*-38106	36	39	200	100		15	138	5
MLD3P.*-4355	40	43	80	80		15	138	5
MLD3P.*-4366	40	43	100	100		15	138	5
MLD3P.*-4388	40	43	125	125		15	138	5
MLD3P.*-43106	40	43	200	100		15	138	5

CONECTOR ACODADO A 90° CABLE DUPLEX A BORNA

RACCORD COUDÉ À 90º CABLE DUPLEX À BORNE

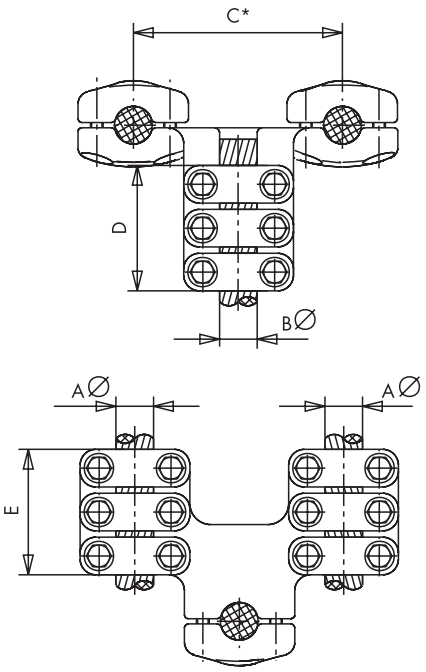


MLD3BT

NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C*	D	E		
	Mín.	Máx.					A	B
MLD3BT.*-3030	27	30	30	SEGUN NOTA	85	138	5	5
MLD3BT.*-3230	31	32	30		85	138	5	5
MLD3BT.*-3530	33	35	30		85	138	5	5
MLD3BT.*-3830	36	39	30		85	138	5	5
MLD3BT.*-4330	40	43	30		85	138	5	5
MLD3BT.*-3040	27	30	40		85	138	5	5
MLD3BT.*-3240	31	32	40		85	138	5	5
MLD3BT.*-3540	33	35	40		85	138	5	5
MLD3BT.*-3840	36	39	40		85	138	5	5
MLD3BT.*-4340	40	43	40		85	138	5	5
MLD3BT.*-3050	27	30	50		100	138	5	5
MLD3BT.*-3250	31	32	50		100	138	5	5
MLD3BT.*-3550	33	35	50		100	138	5	5
MLD3BT.*-3850	36	39	50		100	138	5	5
MLD3BT.*-4350	40	43	50		100	138	5	5
MLD3BT.*-3060	27	30	60		100	138	5	5
MLD3BT.*-3260	31	32	60		100	138	5	5
MLD3BT.*-3560	33	35	60		100	138	5	5
MLD3BT.*-3860	36	39	60		100	138	5	5
MLD3BT.*-4360	40	43	60		100	138	5	5

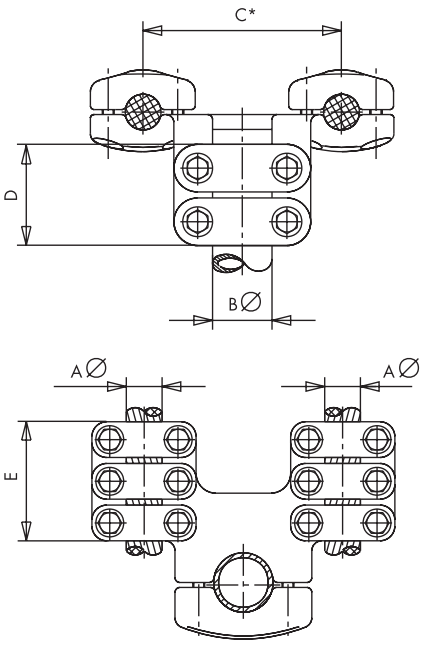


MLD3C

Referencia Code Référence	mm.							Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø		C*	D	E		
	Mín.	Máx.	Mín.	Máx.				A	B
MLD3C.*3032	27	30	31	32	SEGUN NOTA	138	138	3	5
MLD3C.*3035	27	30	33	35		138	138	3	5
MLD3C.*3038	27	30	36	39		138	138	3	5
MLD3C.*3043	27	30	40	43		138	138	3	5
MLD3C.*3230	31	32	27	30		138	138	5	3
MLD3C.*3232	31	32	31	32		138	138	5	5
MLD3C.*3235	31	32	33	35		138	138	5	5
MLD3C.*3238	31	32	36	39		138	138	5	5
MLD3C.*3243	31	32	40	43		138	138	5	5
MLD3C.*3530	33	35	27	30		138	138	5	3
MLD3C.*3532	33	35	31	32		138	138	5	5
MLD3C.*3535	33	35	33	35		138	138	5	5
MLD3C.*3538	33	35	36	39		138	138	5	5
MLD3C.*3543	33	35	40	43		138	138	5	5
MLD3C.*3830	36	39	27	30		138	138	5	3
MLD3C.*3832	36	39	31	32		138	138	5	5
MLD3C.*3835	36	39	33	35		138	138	5	5
MLD3C.*3838	36	39	36	39		138	138	5	5
MLD3C.*3843	36	39	40	43		138	138	5	5
MLD3C.*4330	40	43	27	30		138	138	5	3
MLD3C.*4332	40	43	31	32		138	138	5	5
MLD3C.*4335	40	43	33	35		138	138	5	5
MLD3C.*4338	40	43	36	39		138	138	5	5
MLD3C.*4343	40	43	40	43		138	138	5	5

NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

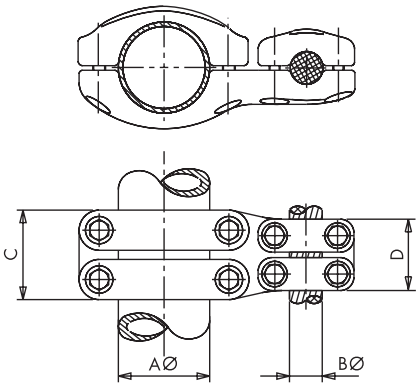


MLD3B

Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C*	D	E		
	Mín.	Máx.					A	B
MLD3B.*-3030	27	30	30	SEGUN NOTA	85	138	5	5
MLD3B.*-3230	31	32	30		85	138	5	5
MLD3B.*-3530	33	35	30		85	138	5	5
MLD3B.*-3830	36	39	30		85	138	5	5
MLD3B.*-4330	40	43	30		85	138	5	5
MLD3B.*-3040	27	30	40		85	138	5	5
MLD3B.*-3240	31	32	40		85	138	5	5
MLD3B.*-3540	33	35	40		85	138	5	5
MLD3B.*-3840	36	39	40		85	138	5	5
MLD3B.*-4340	40	43	40		85	138	5	5
MLD3B.*-3050	27	30	50		100	138	5	5
MLD3B.*-3250	31	32	50		100	138	5	5
MLD3B.*-3550	33	35	50		100	138	5	5
MLD3B.*-3850	36	39	50		100	138	5	5
MLD3B.*-4350	40	43	50		100	138	5	5
MLD3B.*-3060	27	30	60		100	138	5	5
MLD3B.*-3260	31	32	60		100	138	5	5
MLD3B.*-3560	33	35	60		100	138	5	5
MLD3B.*-3860	36	39	60		100	138	5	5
MLD3B.*-4360	40	43	60		100	138	5	5

NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.



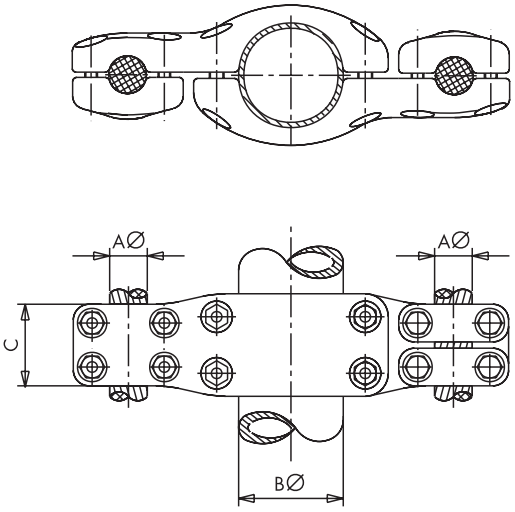
MUBC

Referencia Code Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø		C	D		
		Mín.	Máx.			A	B
MUBC-5022	50	20	23	100	85	5	3
MUBC-5025	50	24	26	100	85	5	3
MUBC-5030	50	27	30	100	85	5	3
MUBC-5032	50	31	32	100	90	5	5
MUBC-5035	50	33	35	100	90	5	5
MUBC-5038	50	36	39	100	90	5	5
MUBC-5043	50	40	43	100	90	5	5
MUBC-6022	60	20	23	100	85	5	3
MUBC-6025	60	24	26	100	85	5	3
MUBC-6030	60	27	30	100	85	5	3
MUBC-6032	60	31	32	100	90	5	5
MUBC-6035	60	33	35	100	90	5	5
MUBC-6038	60	36	39	100	90	5	5
MUBC-6043	60	40	43	100	90	5	5
MUBC-8022	80	20	23	100	85	5	3
MUBC-8025	80	24	26	100	85	5	3
MUBC-8030	80	27	30	100	85	5	3
MUBC-8032	80	31	32	100	90	5	5
MUBC-8035	80	33	35	100	90	5	5
MUBC-8038	80	36	39	100	90	5	5
MUBC-8043	80	40	43	100	90	5	5
MUBC-10022	100	20	23	110	85	5	3
MUBC-10025	100	24	26	110	85	5	3
MUBC-10030	100	27	30	110	85	5	3
MUBC-10032	100	31	32	110	90	5	5
MUBC-10035	100	33	35	110	90	5	5
MUBC-10038	100	36	39	110	90	5	5
MUBC-10043	100	40	43	110	90	5	5
MUBC-12030	120	27	30	110	90	7	5
MUBC-12032	120	31	32	110	90	7	5
MUBC-12035	120	33	35	110	90	7	5
MUBC-12038	120	36	39	110	90	7	5
MUBC-12043	120	40	43	110	90	7	5
MUBC-15030	150	27	30	110	90	7	5
MUBC-15032	150	31	32	120	90	7	5
MUBC-15035	150	33	35	120	90	7	5
MUBC-15038	150	36	39	120	90	7	5
MUBC-15043	150	40	43	120	90	7	5

PARALLEL CONNECTOR UNION CABLE DUPLEX TO TUBE

CONECTOR PARALELO UNIÓN CABLE DUPLEX A TUBO

RACCORD PARALLÈLE JONCTION CABLE DUPLEX À TUBE



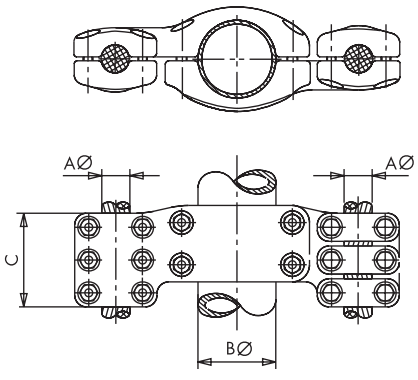
MUDB

Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C		
	Mín.	Máx.			A	B
MUDB-22100	20	23	100	85	3	5
MUDB-25100	24	26	100	85	3	5
MUDB-30100	27	30	100	85	3	5
MUDB-32100	31	32	100	90	5	5
MUDB-35100	33	35	100	90	5	5
MUDB-38100	36	39	100	90	5	5
MUDB-43100	40	43	100	90	5	5
MUDB-22120	20	23	120	90	5	7
MUDB-25120	24	26	120	90	5	7
MUDB-30120	27	30	120	90	5	7
MUDB-32120	31	32	120	90	5	7
MUDB-35120	33	35	120	90	5	7
MUDB-38120	36	39	120	90	5	7
MUDB-43120	40	43	120	90	5	7
MUDB-30150	27	30	150	90	5	7
MUDB-32150	31	32	150	90	5	7
MUDB-35150	33	35	150	90	5	7
MUDB-38150	36	39	150	90	5	7
MUDB-43150	40	43	150	90	5	7

PARALLEL CONNECTOR UNION CABLE DUPLEX TO TUBE

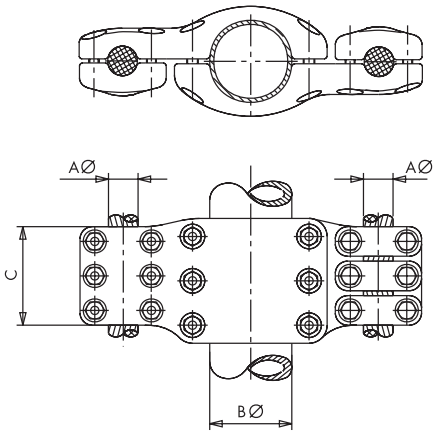
CONECTOR PARALELO UNIÓN CABLE DUPLEX A TUBO

RACCORD PARALLÈLE JONCTION CABLE DUPLEX À TUBE



MUD3B

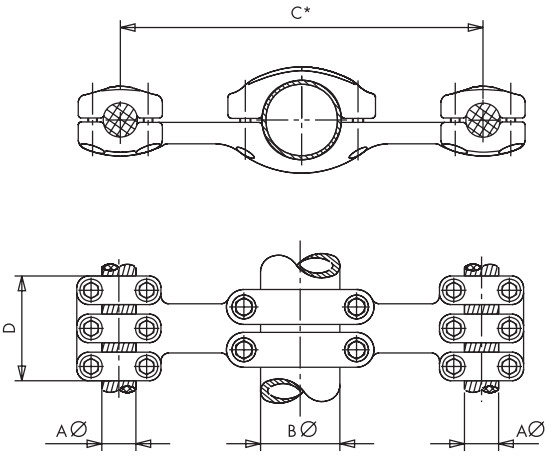
Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C		
	Mín.	Máx.			A	B
MUD3B-30100	27	30	100	138	5	5
MUD3B-32100	31	32	100	138	5	5
MUD3B-35100	33	35	100	138	5	5
MUD3B-38100	36	39	100	138	5	5
MUD3B-43100	40	43	100	138	5	5
MUD3B-22120	20	23	120	138	5	7
MUD3B-25120	24	26	120	138	5	7
MUD3B-30120	27	30	120	138	5	7
MUD3B-32120	31	32	120	138	5	7
MUD3B-35120	33	35	120	138	5	7
MUD3B-38120	36	39	120	138	5	7
MUD3B-43120	40	43	120	138	5	7
MUD3B-30150	27	30	150	138	5	7
MUD3B-32150	31	32	150	138	5	7
MUD3B-35150	33	35	150	138	5	7
MUD3B-38150	36	39	150	138	5	7
MUD3B-43150	40	43	150	138	5	7



MUD3B3

Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C		
	Mín.	Máx.			A	B
MUD3B3-30100	27	30	100	138	5	5
MUD3B3-32100	31	32	100	138	5	5
MUD3B3-35100	33	35	100	138	5	5
MUD3B3-38100	36	39	100	138	5	5
MUD3B3-43100	40	43	100	138	5	5
MUD3B3-22120	20	23	120	138	5	7
MUD3B3-25120	24	26	120	138	5	7
MUD3B3-30120	27	30	120	138	5	7
MUD3B3-32120	31	32	120	138	5	7
MUD3B3-35120	33	35	120	138	5	7
MUD3B3-38120	36	39	120	138	5	7
MUD3B3-43120	40	43	120	138	5	7
MUD3B3-30150	27	30	150	138	5	7
MUD3B3-32150	31	32	150	138	5	7
MUD3B3-35150	33	35	150	138	5	7
MUD3B3-38150	36	39	150	138	5	7
MUD3B3-43150	40	43	150	138	5	7

PARALLEL CONNECTOR UNION CABLE DUPLEX TO TUBE
CONECTOR PARALELO UNIÓN CABLE DUPLEX A TUBO
RACCORD PARALLÈLE JONCTION CABLE DUPLEX À TUBE

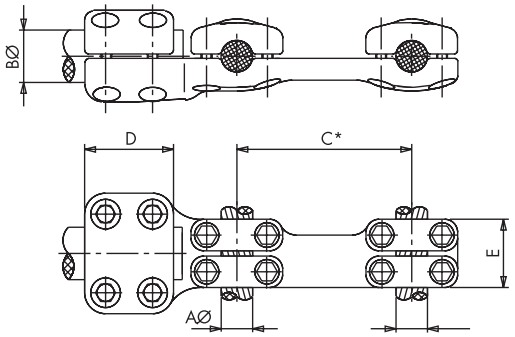


MUD3B.*

Referencia / Code / Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C*	E		
	Mín.	Máx.				A	B
MUD3B.*-10030	27	30	100	SEGUN NOTA	138	5	5
MUD3B.*-10032	31	32	100		138	5	5
MUD3B.*-10035	33	35	100		138	5	5
MUD3B.*-10038	36	39	100		138	5	5
MUD3B.*-10043	40	43	100		138	5	5
MUD3B.*-12032	31	32	120		138	5	7
MUD3B.*-12035	33	35	120		138	5	7
MUD3B.*-12038	36	39	120		138	5	7
MUD3B.*-12043	40	43	120		138	5	7
MUD3B.*-15032	31	32	150		138	5	7
MUD3B.*-15035	33	35	150		138	5	7
MUD3B.*-15038	36	39	150		138	5	7
MUD3B.*-15043	40	43	150		138	5	7

NOTA

C*
- 4 = 400mm.
- 45 = 450mm.

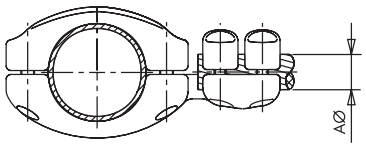


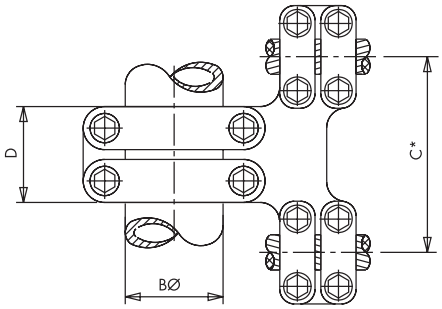
MDDBT.*

NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C*	D	E		
	Mín.	Máx.					A	B
MDDBT.*-3030	27	30	30	SEGUN NOTA	85	90	5	5
MDDBT.*-3230	31	32	30		85	90	5	5
MDDBT.*-3530	33	35	30		85	90	5	5
MDDBT.*-3830	36	39	30		85	90	5	5
MDDBT.*-4330	40	43	30		85	90	5	5
MDDBT.*-3040	27	30	40		85	90	5	5
MDDBT.*-3240	31	32	40		85	90	5	5
MDDBT.*-3540	33	35	40		85	90	5	5
MDDBT.*-3840	36	39	40		85	90	5	5
MDDBT.*-4340	40	43	40		85	90	5	5
MDDBT.*-3050	27	30	50		100	90	5	5
MDDBT.*-3250	31	32	50		100	90	5	5
MDDBT.*-3550	33	35	50		100	90	5	5
MDDBT.*-3850	36	39	50		100	90	5	5
MDDBT.*-4350	40	43	50		100	90	5	5
MDDBT.*-3060	27	30	60		100	90	5	5
MDDBT.*-3260	31	32	60		100	90	5	5
MDDBT.*-3560	33	35	60		100	90	5	5
MDDBT.*-3860	36	39	60		100	90	5	5
MDDBT.*-4360	40	43	60		100	90	5	5





MDTBD.*

NOTA

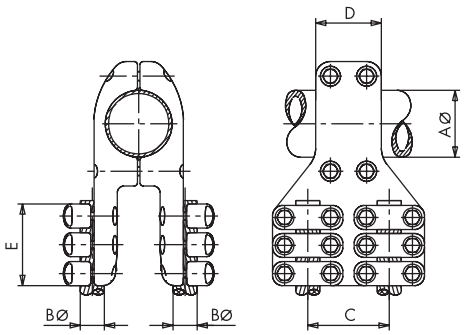
C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia / Code / Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø		Bø	C*	D		
	Mín.	Máx.				A	B
MDTBD.*-30100	27	30	100	SEGUN NOTA	100	5	5
MDTBD.*-32100	31	32	100		100	5	5
MDTBD.*-35100	33	35	100		100	5	5
MDTBD.*-38100	36	39	100		100	5	5
MDTBD.*-43100	40	43	100		100	5	5
MDTBD.*-30120	27	30	120		110	5	5
MDTBD.*-32120	31	32	120		110	5	5
MDTBD.*-35120	33	35	120		110	5	5
MDTBD.*-38120	36	39	120		110	5	5
MDTBD.*-43120	40	43	120		110	5	5
MDTBD.*-30150	27	30	150		120	5	5
MDTBD.*-32150	31	32	150		120	5	5
MDTBD.*-35150	33	35	150		120	5	5
MDTBD.*-38150	36	39	150		120	5	5
MDTBD.*-43150	40	43	150		120	5	5

T CONNECTOR TUBE TO QUADRUPLE CABLE

DERIVACIÓN EN T TUBO A CABLE CUÁDRUPLE

RACCORD EN T TUBE À QUADRUPLE CABLE



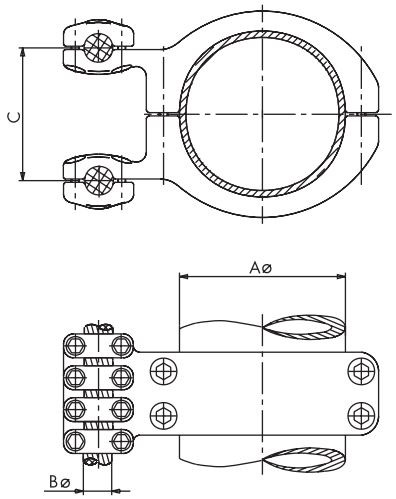
MTD2B3.1

Referencia Code Référence	mm.					Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	E	A	B
MTD2B3.1-10032	100	31-32	100	100	138	5	5
MTD2B3.1-10035	100	33-35	100	100	138	5	5
MTD2B3.1-10038	100	36-39	100	100	138	5	5
MTD2B3.1-10043	100	40-43	100	100	138	5	5
MTD2B3.1-15032	150	31-32	100	120	138	7	5
MTD2B3.1-15035	150	33-35	100	120	138	7	5
MTD2B3.1-15038	150	36-39	100	120	138	7	5
MTD2B3.1-15043	150	40-43	100	120	138	7	5

PARALLEL CONNECTOR FOR THROUGH TUBE TO DUPLEX CABLE

CONEXIÓN PARALELA PARA TUBO PASANTE A CABLE DUPLEX

BLOC DOUBLEMENT POUR TUBE TRAVERSANT À CABLE DUPLEX

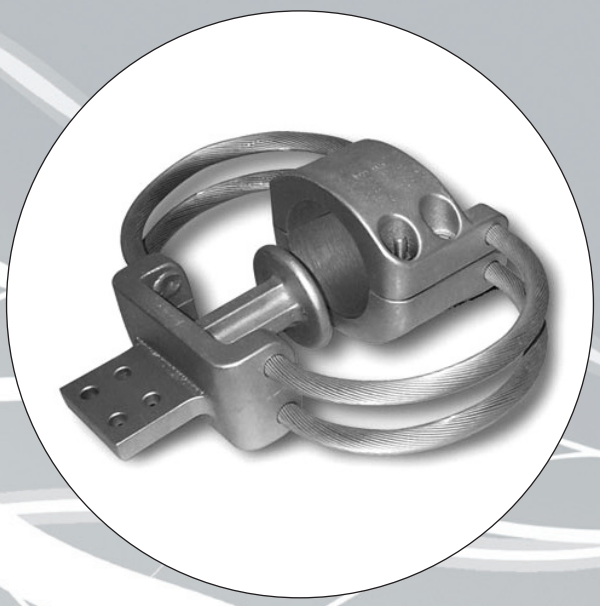


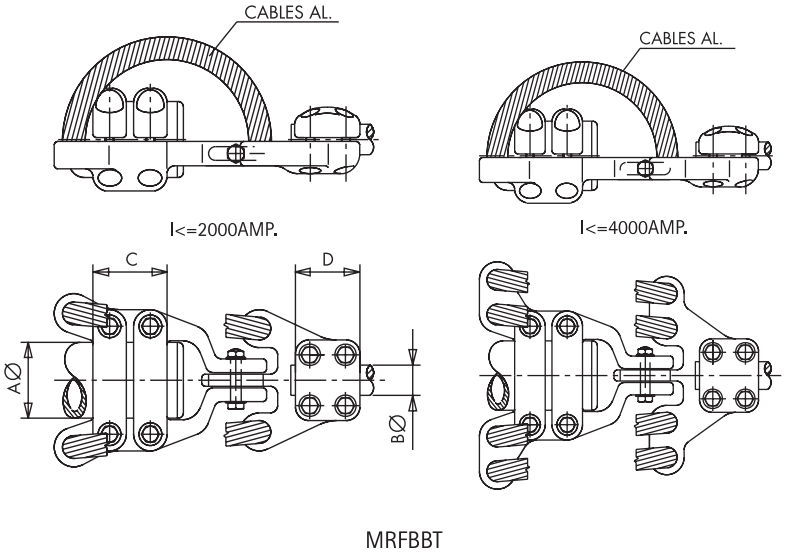
MUD4B.2

Referencia Code Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	A	B
MUD4B.2-32250	250	31-32	200	7	5
MUD4B.2-35250	250	33-35	200	7	5
MUD4B.2-38250	250	36-39	200	7	5
MUD4B.2-43250	250	40-43	200	7	5


Powering Progress

Expansion Connectors
Conectores de Dilatación
Raccords a Dilatation

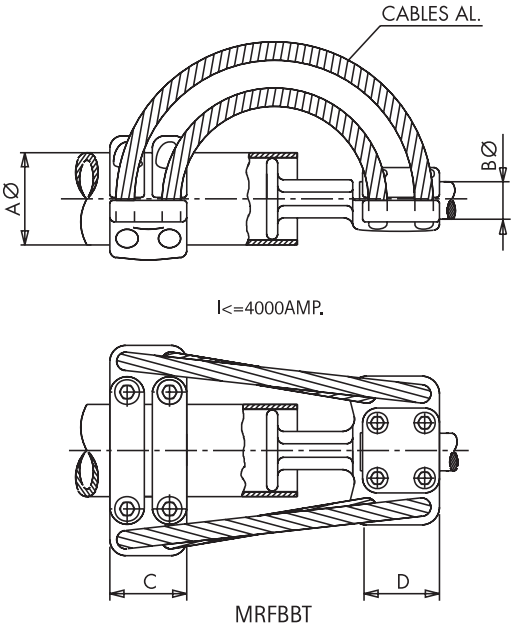




MRFBBT

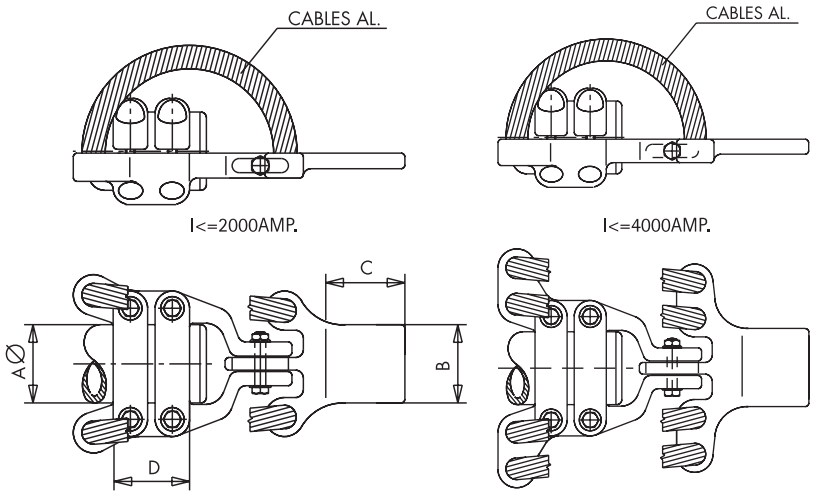
Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	A	B
MRFBBT-5030	50	30	100	90	5	3
MRFBBT-5040	50	40	100	90	5	5
MRFBBT-6030	60	30	100	90	5	3
MRFBBT-6040	60	40	100	90	5	5
MRFBBT-6050	60	50	100	100	5	5
MRFBBT-8030	80	30	100	90	5	3
MRFBBT-8040	80	40	100	90	5	5
MRFBBT-8050	80	50	100	100	5	5
MRFBBT-8060	80	60	100	100	5	5
MRFBBT-10030	100	30	110	90	5	3
MRFBBT-10040	100	40	110	90	5	5
MRFBBT-10050	100	50	110	100	5	5
MRFBBT-10060	100	60	110	100	5	5

EXPANSION STRAIGHT CONNECTOR UNION TUBE TO STUD
CONECTOR RECTO FLEXIBLE UNIÓN TUBO A BORNA
RACCORD DROIT SOUPLE JONCTION TUBE À BORNE



MRFBBT

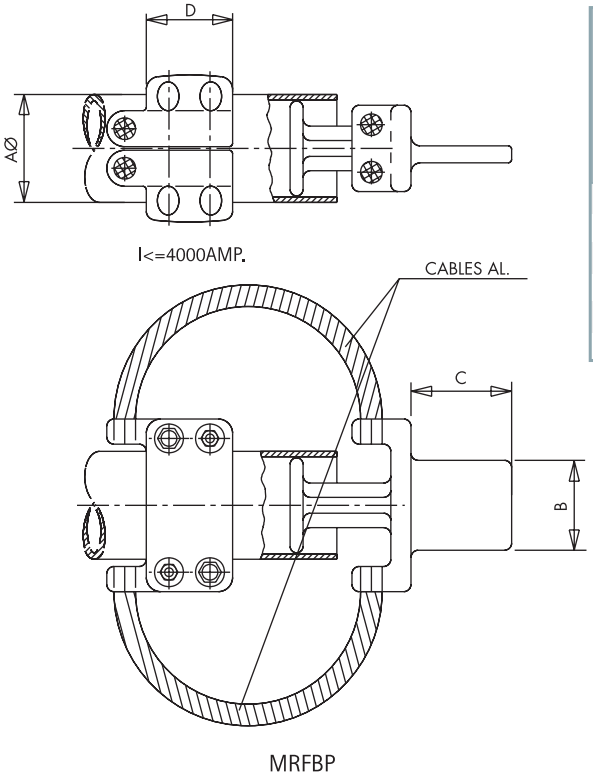
Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	A	B
MRFBBT-12030	120	30	110	90	7	5
MRFBBT-12040	120	40	110	90	7	5
MRFBBT-12050	120	50	110	120	7	5
MRFBBT-12060	120	60	110	120	7	5
MRFBBT-15030	150	30	120	90	7	5
MRFBBT-15040	150	40	120	90	7	5
MRFBBT-15050	150	50	120	120	7	5
MRFBBT-15060	150	60	120	120	7	5



MRFBP

Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	A
MRFBP-5044	50	60	60	100	5
MRFBP-5055	50	80	80	100	5
MRFBP-5066	50	100	100	100	5
MRFBP-5088	50	125	125	100	5
MRFBP-50106	50	200	100	100	5
MRFBP-6055	60	80	80	100	5
MRFBP-6066	60	100	100	100	5
MRFBP-6088	60	125	125	100	5
MRFBP-60106	60	200	100	100	5
MRFBP-8055	80	80	80	100	5
MRFBP-8066	80	100	100	100	5
MRFBP-8088	80	125	125	100	5
MRFBP-80106	80	200	100	100	5
MRFBP-10055	100	80	80	110	5
MRFBP-10066	100	100	100	110	5
MRFBP-10088	100	125	125	110	5
MRFBP-100106	100	200	100	110	5

EXPANSION STRAIGHT CONNECTOR UNION TUBE TO FLATBAR
CONECTOR RECTO FLEXIBLE UNIÓN TUBO A PLETINA
RACCORD DROIT SOUPLE JONCTION TUBE À BARRE MÈPLATE



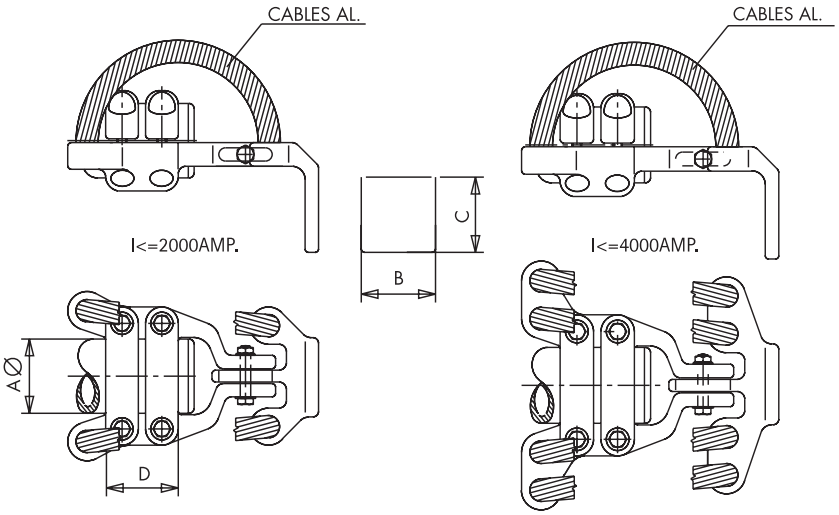
MRFBP

Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	A
MRFBP-12066	120	100	100	110	7
MRFBP-12088	120	125	125	110	7
MRFBP-120106	120	200	100	110	7
MRFBP-15066	150	100	100	120	7
MRFBP-15088	150	125	125	120	7
MRFBP-150106	150	200	100	120	7

EXPANSION L CONNECTOR UNION TUBE TO FLATBAR

CONECTOR ACODADO A 90º FLEXIBLE UNIÓN TUBO A PLETINA

RACCORD COUDÉ À 90º SOUPLE JONCTION TUBE À BARRE MÈPLATE



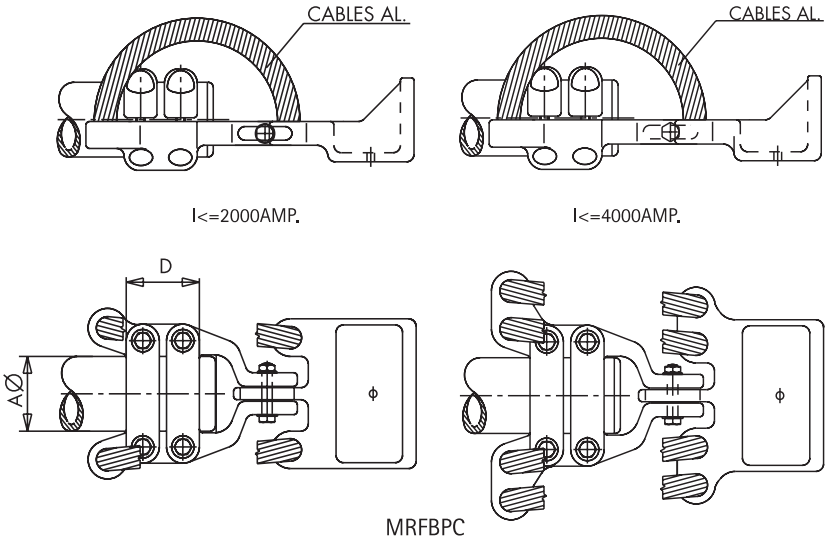
MLFBP

Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	A
MLFBP-5044	50	60	60	100	5
MLFBP-5055	50	80	80	100	5
MLFBP-5066	50	100	100	100	5
MLFBP-5088	50	125	125	100	5
MLFBP-50106	50	200	100	100	5
MLFBP-6055	60	80	80	100	5
MLFBP-6066	60	100	100	100	5
MLFBP-6088	60	125	125	100	5
MLFBP-60106	60	200	100	100	5
MLFBP-8055	80	80	80	100	5
MLFBP-8066	80	100	100	100	5
MLFBP-8088	80	125	125	100	5
MLFBP-80106	80	200	100	100	5
MLFBP-10055	100	80	80	110	5
MLFBP-10066	100	100	100	110	5
MLFBP-10088	100	125	125	110	5
MLFBP-100106	100	200	100	110	5

EXPANSION STRAIGHT CONNECTOR UNION TUBE TO THE AXIS FLATBAR

CONECTOR RECTO FLEXIBLE UNIÓN TUBO A PLETINA AL EJE

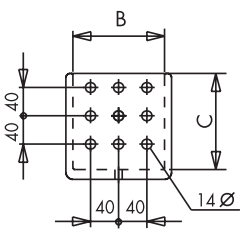
RACCORD DROIT SOUPLE JONCTION TUBE À BARRE MÈPLATE À L'AXE



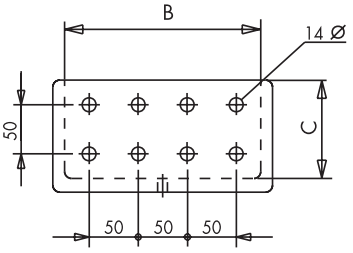
MRFBPC

Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	A
MRFBPC-5088	50	125	125	100	5
MRFBPC-50106	50	200	100	100	5
MRFBPC-6088	60	125	125	100	5
MRFBPC-60106	60	200	100	100	5
MRFBPC-8088	80	125	125	100	5
MRFBPC-80106	80	200	100	100	5
MRFBPC-10088	100	125	125	110	5
MRFBPC-100106	100	200	100	110	5

PALA TIPO A



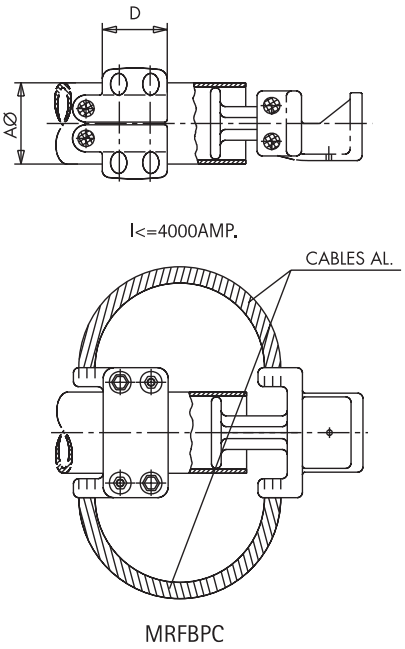
PALA TIPO B



EXPANSION STRAIGHT CONNECTOR UNION TUBE TO THE AXIS FLATBAR

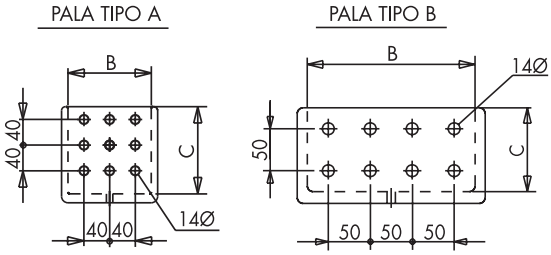
CONECTOR RECTO FLEXIBLE UNIÓN TUBO A PLETINA AL EJE

RACCORD DROIT SOUPLE JONCTION TUBE À BARRE MÈPLATE À L'AXE



MRFBPC

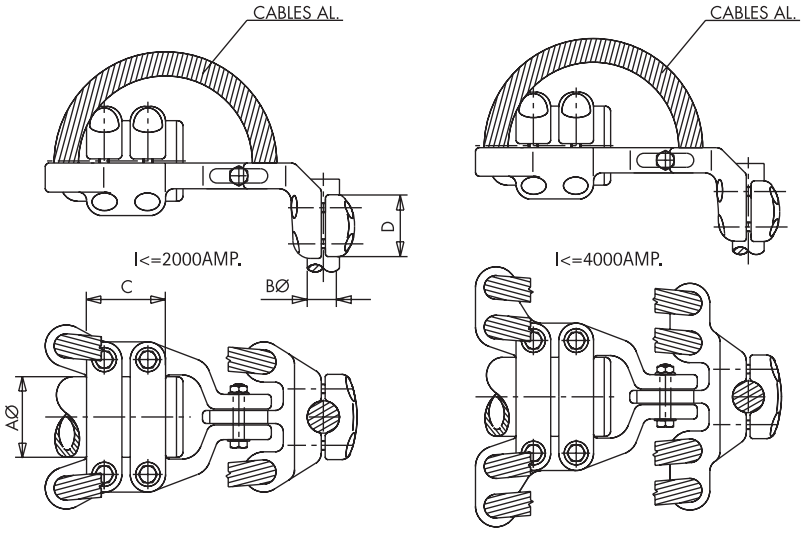
Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	D	A
MRFBPC-12088	120	125	130	110	7
MRFBPC-120106	120	200	100	110	7
MRFBPC-15088	150	125	130	120	7
MRFBPC-150106	150	200	100	120	7



EXPANSION L CONNECTOR UNION TUBE TO STUD

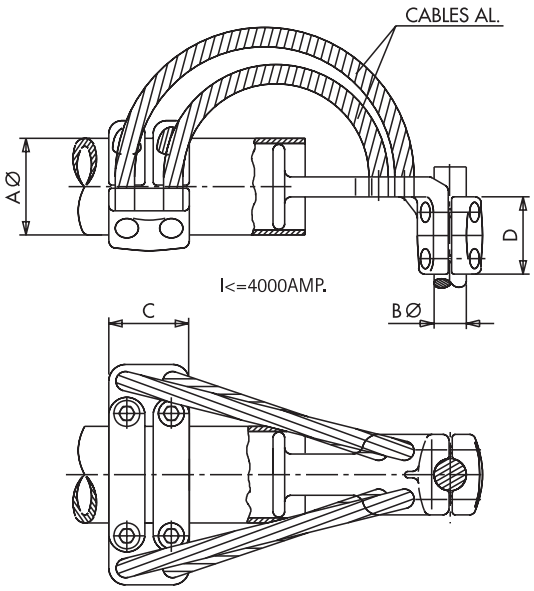
CONECTOR ACODADO FLEXIBLE UNIÓN TUBO A BORNA

RACCORD COUDÉ SOUPLE JONCTION TUBE À BORNE



MLFBBT

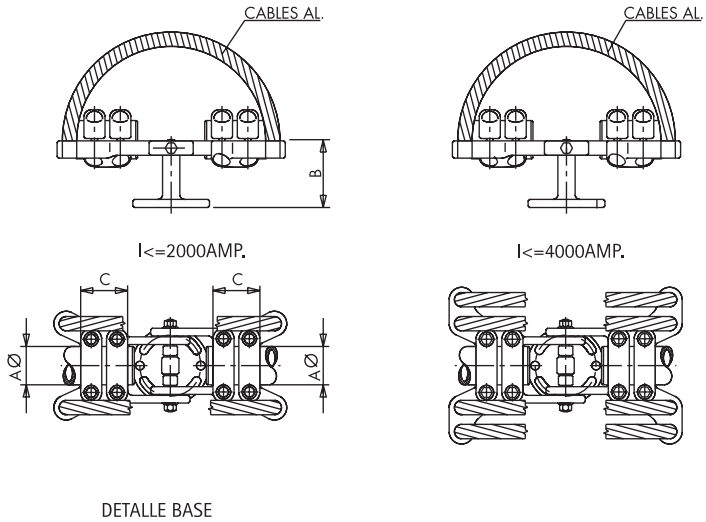
Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	A	B
MLFBBT-5030	50	30	100	90	5	3
MLFBBT-5040	50	40	100	90	5	5
MLFBBT-6030	60	30	100	90	5	3
MLFBBT-6040	60	40	100	90	5	5
MLFBBT-6050	60	50	100	100	5	5
MLFBBT-8030	80	30	100	90	5	3
MLFBBT-8040	80	40	100	90	5	5
MLFBBT-8050	80	50	100	100	5	5
MLFBBT-8060	80	60	100	100	5	5
MLFBBT-10030	100	30	110	90	5	3
MLFBBT-10040	100	40	110	90	5	5
MLFBBT-10050	100	50	110	100	5	5
MLFBBT-10060	100	60	110	100	5	5



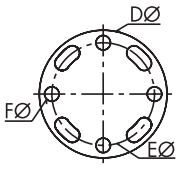
MLFBBT

Referencia Code Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C	D	A	B
MLFBBT-12030	120	30	110	90	7	5
MLFBBT-12040	120	40	110	90	7	5
MLFBBT-12050	120	50	110	120	7	5
MLFBBT-12060	120	60	110	120	7	5
MLFBBT-15030	150	30	120	90	7	5
MLFBBT-15040	150	40	120	90	7	5
MLFBBT-15050	150	50	120	120	7	5
MLFBBT-15060	150	60	120	120	7	5

EXPANSION STRAIGHT CONNECTOR UNION TUBES ON INSULATOR
CONECTOR RECTO FLEXIBLE UNIÓN DE TUBOS MONTADO SOBRE AISLADOR
RACCORD DROIT SOUPLE JONCTION TUBES SUR PILLARD



DETALLE BASE

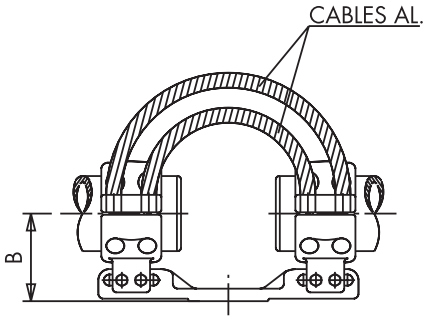


MPEFB

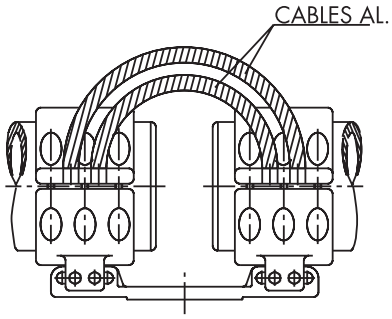
Referencia Code Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	A
MPEFB-50	50	80	100	5
MPEFB-60	60	90	100	5
MPEFB-80	80	105	110	5
MPEFB-100	100	105	110	5

TIPO AISLADOR

Dø	Eø	Fø
108	76	14
158	127	18
265	225	18



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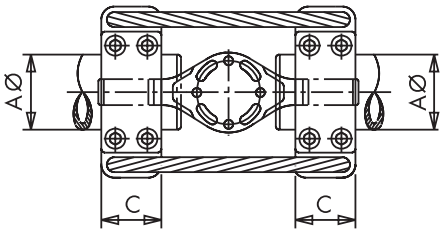


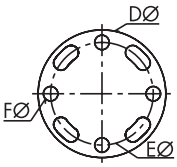
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Referencia Code Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	A
MPEFBD-120	120	140	110	7
MPEFBD-150	150	170	120	7
MPEFBD-200	200	200	120	7
MPEFBD-250	250	220	190	7

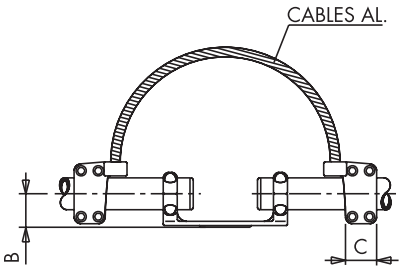
TIPO AISLADOR

Dø	Eø	Fø
158	127	18
265	225	18
305	254	18

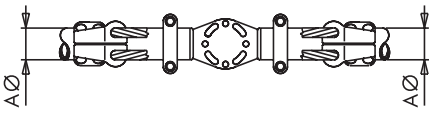




MPEFBD



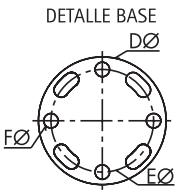
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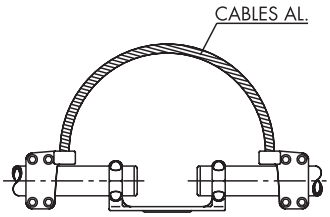


Referencia Code Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	Dø	Eø	Fø	A
MPEFBI-8076	80	105	100	108	76	14	5
MPEFBI-10076	100	105	110	108	76	14	5
MPEFBI-80127	80	105	100	158	127	18	5
MPEFBI-100127	100	105	110	158	127	18	5
MPEFBI-80225	80	105	100	265	225	18	5
MPEFBI-100225	100	105	110	265	225	18	5

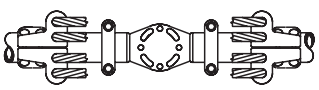
TIPO AISLADOR

Dø	Eø	Fø
108	76	14
158	127	18
265	225	18





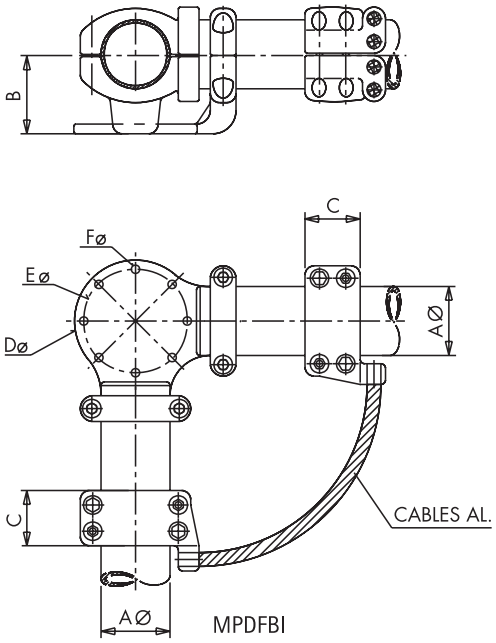
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MPEFBI

EMPALME A 90º DESLIZANTE FLEXIBLE UNIÓN DE TUBOS MONTADO SOBRE AISLADOR

RACCORD À 90º COULISSANT SOUPLE JONCTION TUBES SUR PILLARD



MPDFBI

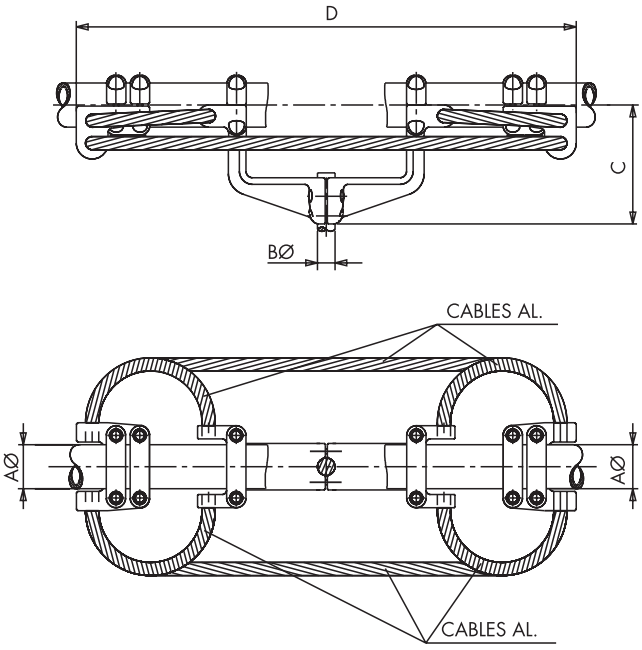
Referencia / Code / Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	A
MPDFBI-100	100	105	100	5
MPDFBI-120	120	140	110	7
MPDFBI-150	150	170	120	7

TIPO AISLADOR

Dø	Eø	Fø
158	127	18
265	225	18
305	254	18

CONECTOR ACODADO FLEXIBLE TUBO A BORNA

RACCORD COUDÉ SOUPLE TUBE À BORNE



MFDB2B

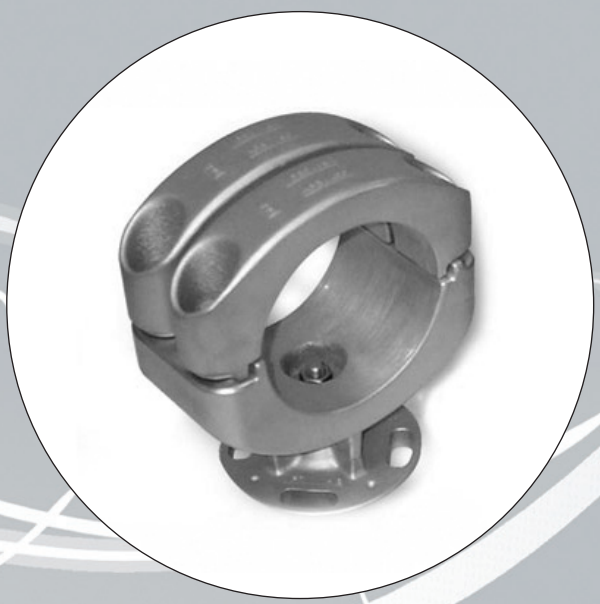
Referencia / Code / Référence	mm.				Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	Bø	C	D	A
MFDB2B-10030	100	30	270	1135	5
MFDB2B-10040	100	40	270	1135	5


南洋大厦


Powering Progress

Supports
Soportes
Supports

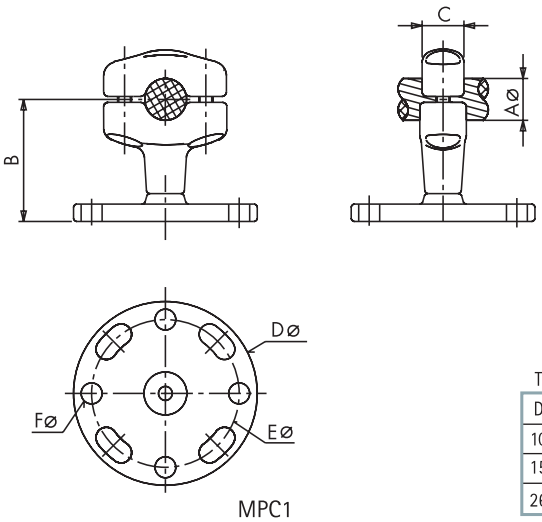




STRAIGHT SUPPORT FOR CABLE ON INSULATOR

SOPORTE RECTO PARA CABLE MONTADO SOBRE AISLADOR

SUPPORT DROIT POUR CABLE SUR PILLARD



MPC1

Referencia / Code / Référence	mm.			Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	B	C	A
MPC1-18	16-19	100	45	5
MPC1-22	20-23	100	45	5
MPC1-25	24-26	100	45	5
MPC1-30	27-30	100	45	5
MPC1-32	31-32	100	45	5
MPC1-35	33-35	100	45	5
MPC1-38	36-39	100	45	5
MPC1-43	40-43	100	45	5

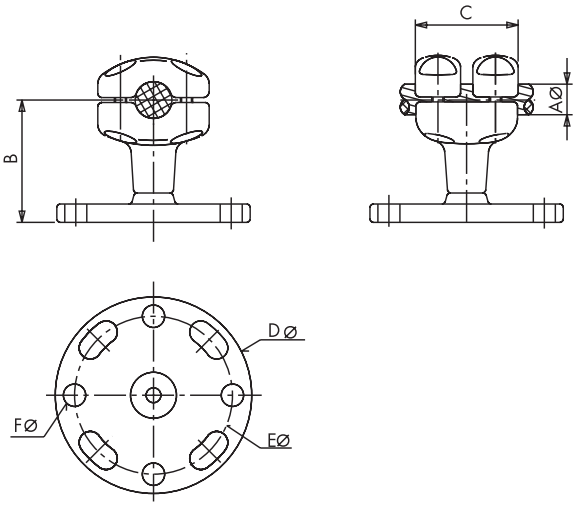
TIPO AISLADOR

Dø	Eø	Fø
108	76	14
158	127	18
265	225	18

STRAIGHT SUPPORT FOR CABLE ON INSULATOR (2 FLANGE)

SOPORTE RECTO PARA CABLE MONTADO SOBRE AISLADOR (2 BRIDAS)

SUPPORT DROIT POUR CABLE SUR PILLARD (2 BRIDES)



MPC

Referencia / Code / Référence	mm.			Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	B	C	A
MPC-18	16-19	100	85	3
MPC-22	20-23	100	85	3
MPC-25	24-26	100	85	3
MPC-30	27-30	100	85	3
MPC-32	31-32	100	90	5
MPC-35	33-35	100	90	5
MPC-38	36-39	100	90	5
MPC-43	40-43	100	90	5

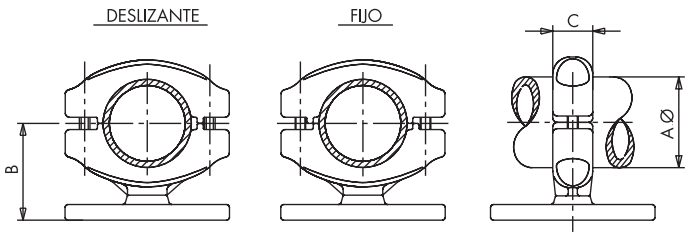
TIPO AISLADOR

Dø	Eø	Fø
108	76	14
158	127	18
265	225	18

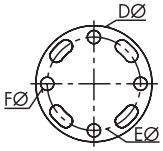
STRAIGHT SUPPORT FIX/SLIDING FOR TUBE ON INSULATOR

SOPORTE RECTO FIJO/DESLIZANTE PARA TUBO MONTADO SOBRE AISLADOR

RACCORD DROIT FIXE/COULISSANT POUR TUBE SUR PILLARD



DETALLE BASE

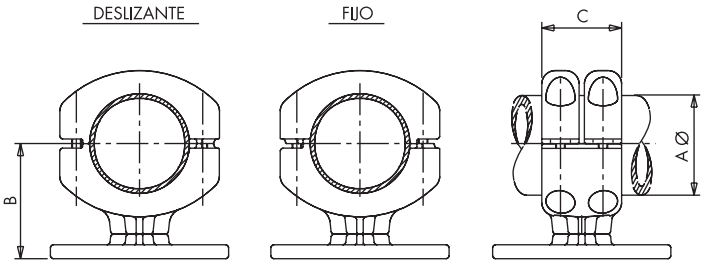


MPB1

Referencia / Code / Référence	mm.			Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	B	C	A
MPB1-50	50	100	45	5
MPB1-60	60	100	45	5
MPB1-80	80	105	48	5
MPB1-100	100	105	48	5
MPB1-120	120	140	56	7
MPB1-150	150	170	56	7

TIPO AISLADOR

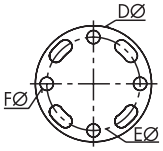
Dø	Eø	Fø
108	76	14
158	127	18
265	225	18



MPB

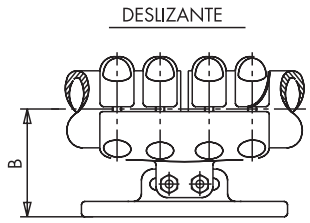
Referencia Code Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	A
MPB-120	120	140	110	7
MPB-150	150	170	120	7
MPB-200	200	220	120	7
MPB-250	250	220	130	7

DETALLE BASE



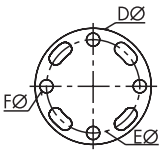
TIPO AISLADOR

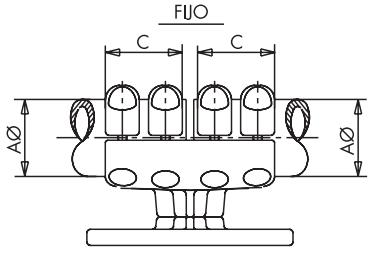
Dø	Eø	Fø
158	127	18
265	225	18
305	254	18



MPEBD

DETALLE BASE





MPEB

Referencia Code Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	A
MPEBD/MPEB-50	50	100	100	5
MPEBD/MPEB-60	60	100	100	5
MPEBD/MPEB-80	80	105	100	5
MPEBD/MPEB-100	100	105	100	5
MPEBD/MPEB-120	120	140	110	7
MPEBD/MPEB-150	150	170	120	7
MPEBD/MPEB-200	200	220	130	7
MPEBD/MPEB-250	250	220	130	7

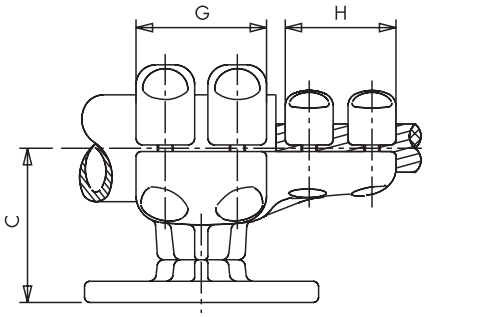
TIPO AISLADOR

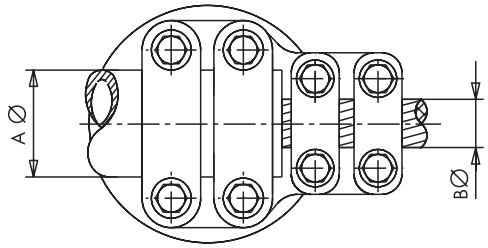
Dø	Eø	Fø
108	76	14
158	127	18
265	225	18
265	254	18

CONNECTOR UNION TUBE TO CABLE ON INSULATOR

EMPALME DE UNIÓN TUBO A CABLE MONTADO SOBRE AISLADOR

RACCORD JONCTION TUBE À CABLE SUR PILLARD

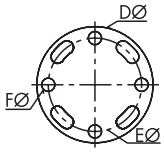




MPEBC

Referencia / Code / Référence	mm.					Par de apriete / Tightening torque / Couple de serrage (kg.m)	
	Aø	Bø	C	G	H	A	B
MPEBC-5022	50	20-23	100	100	85	5	3
MPEBC-5025	50	24-26	100	100	85	5	3
MPEBC-5030	50	27-30	100	100	85	5	3
MPEBC-6022	60	20-23	100	100	85	5	3
MPEBC-6025	60	24-26	100	100	85	5	3
MPEBC-6030	60	27-30	100	100	85	5	3
MPEBC-8022	80	20-23	105	100	85	5	3
MPEBC-8025	80	24-26	105	100	85	5	3
MPEBC-8030	80	27-30	105	100	85	5	3
MPEBC-10030	100	27-30	105	100	90	5	3
MPEBC-10032	100	31-32	105	100	90	5	5
MPEBC-10035	100	33-35	105	100	90	5	5
MPEBC-12030	120	27-30	140	110	90	5	5
MPEBC-12032	120	31-32	140	110	90	5	5
MPEBC-12035	120	33-35	140	110	90	5	5
MPEBC-15032	150	31-35	170	120	90	5	5
MPEBC-15035	150	33-35	170	120	90	5	5
MPEBC-15038	150	36-39	170	120	90	5	5
MPEBC-15043	150	40-43	170	120	90	5	5

DETALLE BASE



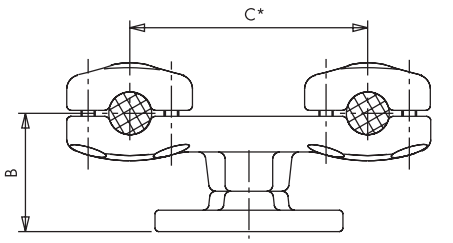
TIPO AISLADOR

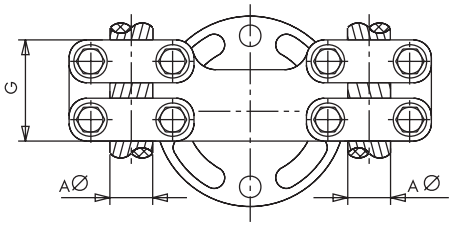
Dø	Eø	Fø
108	76	14
158	127	18
265	225	18

DUPLEX CABLES CONNECTOR ON INSULATOR

PORTACABLES DUPLEX MONTADO SOBRE AISLADOR

RACCORD CABLES DUPLEX SUR PILLARD





MPU

Referencia / Code / Référence	mm.				Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	B	C*	G	A
MPU.*-22	20-23	100	SEGUN NOTA	85	3
MPU.*-25	24-26	100		85	3
MPU.*-30	27-30	100		85	3
MPU.*-32	31-32	100		90	5
MPU.*-35	33-35	100		90	5
MPU.*-38	36-39	100		90	5
MPU.*-43	40-43	100		90	5

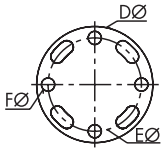
TIPO AISLADOR

Dø	Eø	Fø
108	76	14
158	127	18
265	225	18

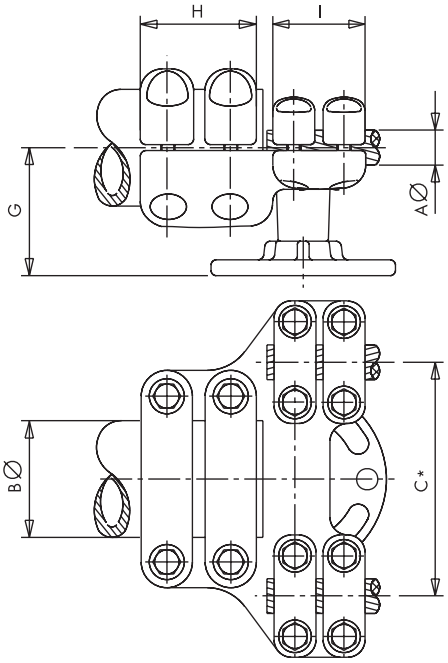
NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

DETALLE BASE



CONECTOR RECTO DE UNIÓN TUBO A CABLE DUPLEX MONTADO SOBRE AISLADOR



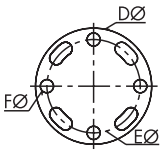
MPDUB

Referencia / Code / Référence	mm.						Par de apriete Tightening torque Couple de serrage (kg.m)	
	Aø	Bø	C*	G	H	I	A	B
MPDUB.*-8030	27-30	80	SEGUN NOTA	105	100	90	3	5
MPDUB.*-8032	31-32	80		105	100	90	5	5
MPDUB.*-8035	33-35	80		105	100	90	5	5
MPDUB.*-8038	36-39	80		105	100	90	5	5
MPDUB.*-8043	40-43	80		105	100	90	5	5
MPDUB.*-10030	27-30	100		105	100	90	3	5
MPDUB.*-10032	31-32	100		105	100	90	5	5
MPDUB.*-10035	33-35	100		105	100	90	5	5
MPDUB.*-10038	36-39	100		105	100	90	5	5
MPDUB.*-10043	40-43	100		105	100	90	5	5
MPDUB.*-12030	27-30	120		140	110	90	5	7
MPDUB.*-12032	31-32	120		140	110	90	5	7
MPDUB.*-12035	33-35	120		140	110	90	5	7
MPDUB.*-12038	36-39	120		140	110	90	5	7
MPDUB.*-12043	40-43	120		140	110	90	5	7
MPDUB.*-15032	31-32	150		170	120	90	5	7
MPDUB.*-15035	33-35	150		170	120	90	5	7
MPDUB.*-15038	36-39	150		170	120	90	5	7
MPDUB.*-15043	40-43	150		170	120	90	5	7

NOTA

C*
- 1 = 100mm.
- 15 = 150mm.
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

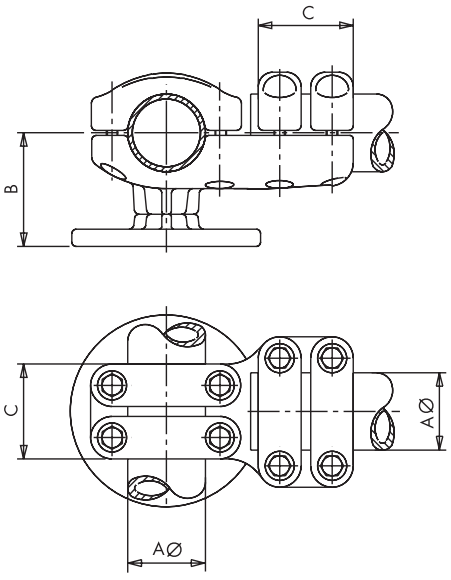
DETALLE BASE



TIPO AISLADOR

Dø	Eø	Fø
108	76	14
158	127	18
265	225	18

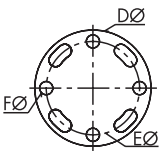
DERIVACIÓN EN T PARA TUBOS (POSICIÓN HORIZONTAL) MONTADO SOBRE AISLADOR



MPDBB

Referencia / Code / Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	A
MPDBB-5050	50	100	100	5
MPDBB-6060	60	100	100	5
MPDBB-8080	80	105	100	5
MPDBB-100100	100	105	100	5
MPDBB-120120	120	140	110	7
MPDBB-150150	150	170	120	7

DETALLE BASE

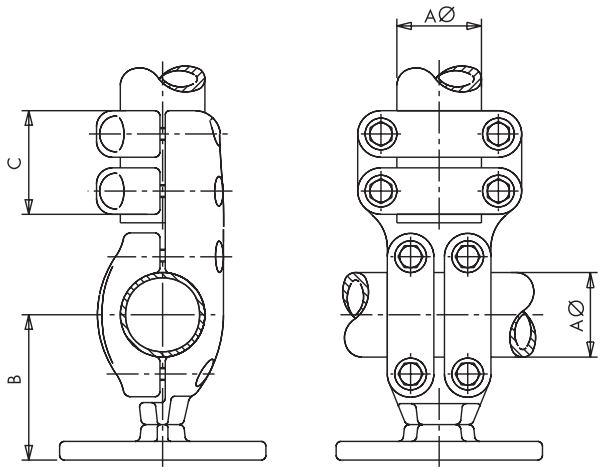


TIPO AISLADOR

Dø	Eø	Fø
108	76	14
158	127	18
265	225	18

DERIVACIÓN EN T PARA TUBOS (POSICIÓN VERTICAL) MONTADO SOBRE AISLADOR

RACCORD EN T POUR TUBES (VERTICAL) SUR PILLARD



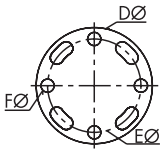
MPTBB

Referencia Code Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	A
MPTBB-5050	50	100	100	5
MPTBB-6060	60	100	100	5
MPTBB-8080	80	105	100	5
MPTBB-100100	100	105	100	5
MPTBB-120120	120	140	110	7
MPTBB-150150	150	170	120	7

TIPO AISLADOR

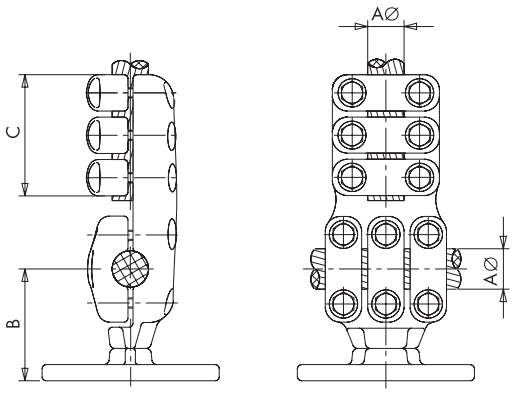
Dø	Eø	Fø
108	76	14
158	127	18
265	225	18

DETALLE BASE



DERIVACIÓN EN T PARA CABLES (POSICIÓN VERTICAL) MONTADO SOBRE AISLADOR

RACCORD EN T POUR CABLES (VERTICAL) SUR PILLARD



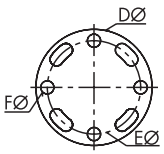
MPDCC3

Referencia Code Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	Aø
MPDCC3-3030	27-30	100	138	3
MPDCC3-3232	31-32	100	138	5
MPDCC3-3535	33-35	100	138	5
MPDCC3-3838	36-39	100	138	5
MPDCC3-4343	40-43	100	138	5

TIPO AISLADOR

Dø	Eø	Fø
108	76	14
158	127	18
265	225	18

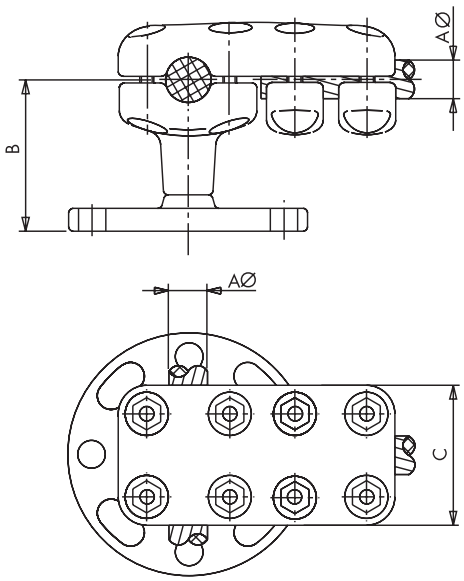
DETALLE BASE



T CONNECTOR FOR CABLES (HORIZONTAL) ON INSULATOR

DERIVACIÓN EN T PARA CABLES (POSICIÓN HORIZONTAL) MONTADO SOBRE AISLADOR

RACCORD EN T POUR CABLES (HORIZONTAL) SUR PILLARD



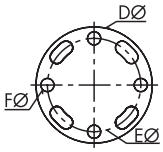
MPDCC

Referencia Code Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	Aø
MPDCC-2222	20-23	100	92	3
MPDCC-2525	24-26	100	92	3
MPDCC-3030	27-30	100	92	3
MPDCC-3232	31-32	100	107	5
MPDCC-3535	33-35	100	107	5
MPDCC-3838	36-39	100	107	5
MPDCC-4343	40-43	100	107	5

TIPO AISLADOR

Dø	Eø	Fø
108	76	14
158	127	18
265	225	18

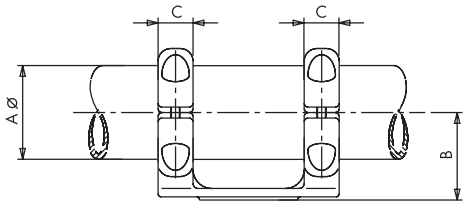
DETALLE BASE

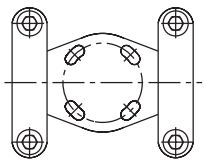


UNION SUPPORT FOR TUBES ON INSULATOR

SOPORTE DE UNIÓN PARA TUBOS MONTADO SOBRE AISLADOR

SUPPORT JONCTION DE TUBES SUR PILLARD





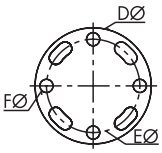
MPEBI

Referencia Code Référence	mm.			Par de apriete Tightening torque Couple de serrage (kg.m)
	Aø	B	C	Aø
MPEBI-80	80	105	48	5
MPEBI-100	100	105	48	5
MPEBI-120	120	140	56	7
MPEBI-150	150	170	56	7

TIPO AISLADOR

Dø	Eø	Fø
108	76	14
158	127	18
265	225	18

DETALLE BASE




Powering Progress

Fixed Points and Earth Clamping Device
Puntos Fijos y Pinza de Puesta a Tierra
Points Fixes & Pince de Mise à Terre

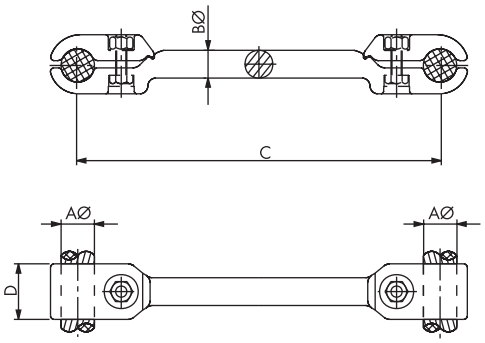




DUPLEX CABLES SPACER

SEPARADOR PARA CABLES DUPLEX

ENTRETOISE POUR CABLES DUPLEX



MUPF

NOTA

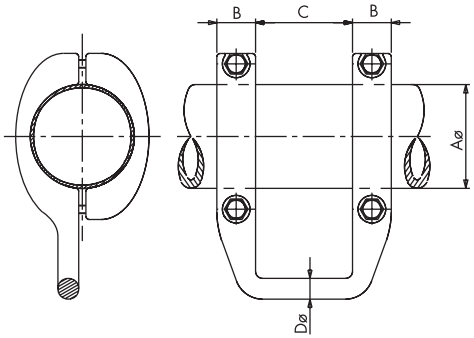
C*
- 2 = 200mm.
- 3 = 300mm.
- 33 = 330mm.
- 4 = 400mm.
- 45 = 450mm.

Referencia / Code / Référence	mm.				Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	B	C*	D	A
MUPF.*-30	27-30	30	SEGUN NOTA	55	5
MUPF.*-32	31-32	30		55	5
MUPF.*-35	33-35	30		55	5
MUPF.*-38	36-39	30		55	5
MUPF.*-43	40-43	30		55	5

PHASE FIX POINT FOR TUBE

PUNTO FIJO DE FASE PARA TUBO

POINT FIXE DE PHASE POUR TUBE



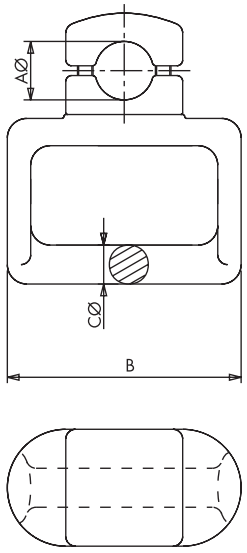
MPFB

Referencia / Code / Référence	mm.				Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	B	C	Dø	A
MPFB-80	80	44	140	30	5
MPFB-100	100	44	140	30	5
MPFB-120	120	60	140	30	5
MPFB-150	150	60	140	30	5
MPFB-200	200	60	140	30	7
MPFB-250	250	60	140	30	7

ABUTMENT FIX POINT FOR TUBE OR CABLE

PUNTO FIJO DE ESTRIBO PARA TUBO O CABLE

POINT FIXE DE ÉTRIER POUR TUBE OU CABLE



MPFE

Referencia / Code / Référence	mm.			Par de apriete / Tightening torque / Couple de serrage (kg.m)
	Aø	B	Cø	Aø
MPFE-22/30	22-30	117	20	2
MPFE-40	40	117	20	5
MPFE-50	50	117	20	5
MPFE-60	60	117	20	5
MPFE-80	80	117	20	5
MPFE-100	100	117	20	5




Powering Progress

Countercontacts
Contracontactos
Contre-Contacts

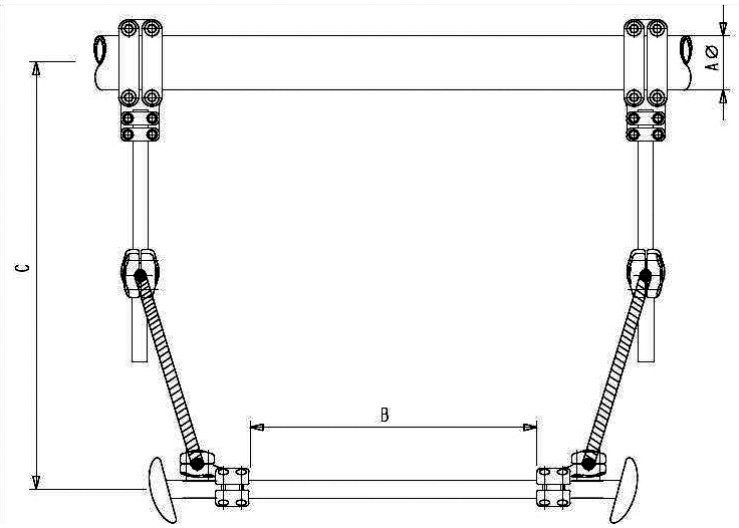
- Countercontacts / Pantograph
- Contracontactos / Pantógrafo
- Contre-Contacts / Pantographe

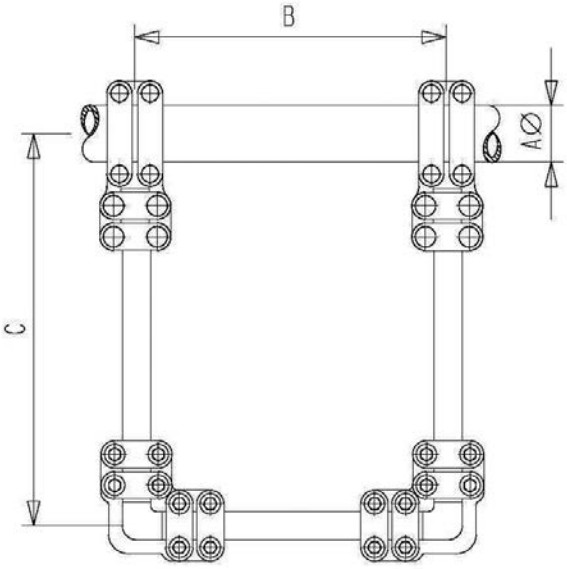


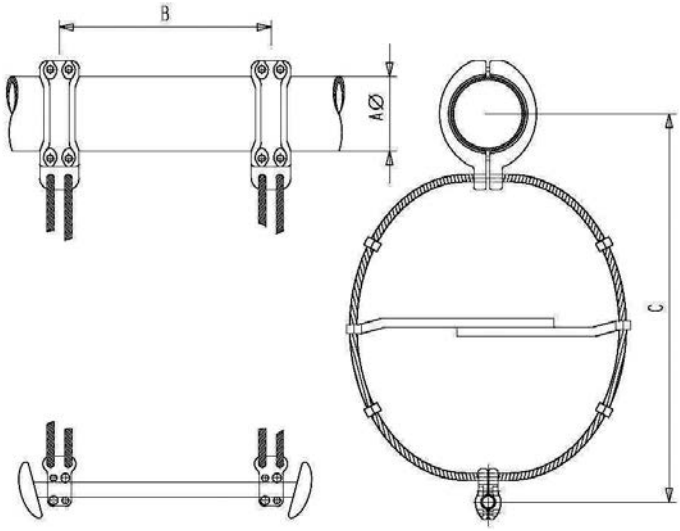

Powering Progress

Countercontacts / Pantograph
Contracontactos / Pantógrafo
Contre-Contacts / Pantographe









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Powering Progress



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