Série CEI output signal 4-20mA 21MPa (210bar)

VERINS DOUBLE EFFET AVEC CAPTEUR DE DEPLACEMENT MAGNETOSTRICTIF INTEGRE

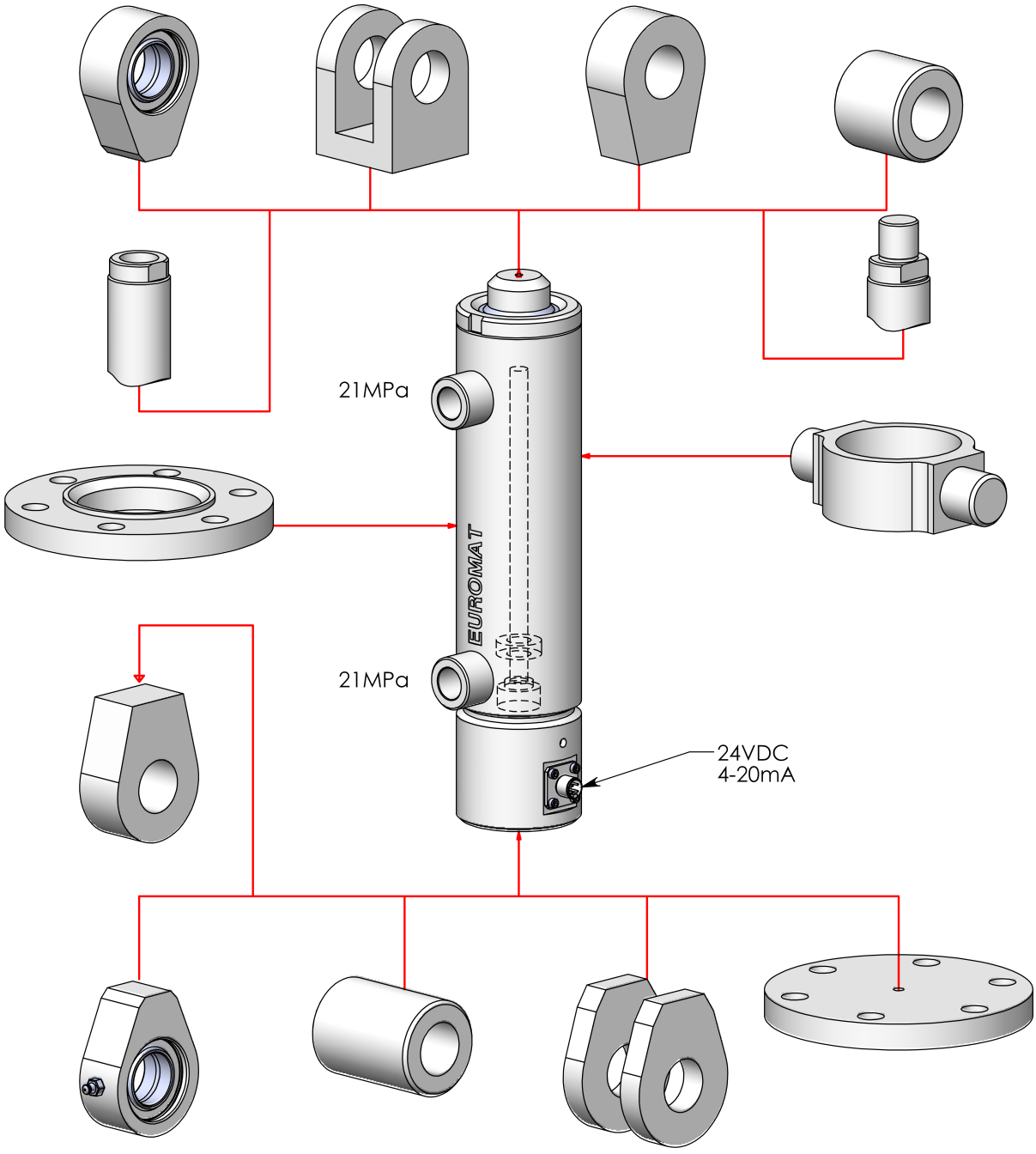
Une large gamme de fixations standardisées modulaires et un capteur de position sans contact, sans usure, résistant aux vibrations et aux chocs du matériel mobile.

DOUBLE ACTING CYLINDERS WITH MAGNETOSTRICTIVE POSITION SENSOR

A wide range of standard modular mounting and an analogic measment sensor without contact, well protected, durable in harsh condition.

DOPPELTWIRKENDE HYDRAULIKZYLINDER MAGNETOSTRIKTIVES POSITIONSMESSVERFAHREN

Universell einsetzbare Schweißschraubkonstruktion in verschiedenen Bauformen und ein analoges Wegmeßsystem, ohne Kontakt, ohne Abnutzung, unanfällig bei Vibrationen und Stößen im mobilen Bereich.



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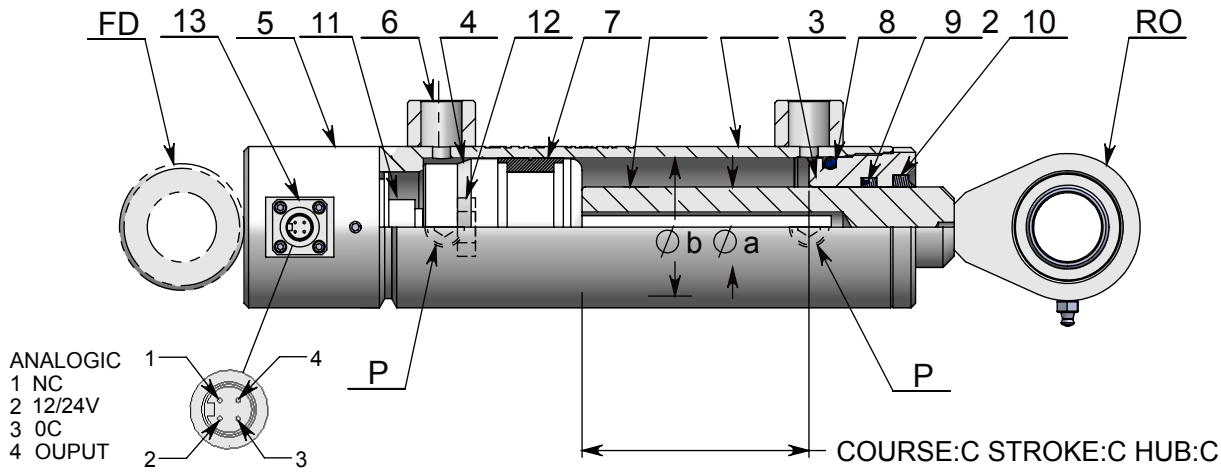
DONNEES TECHNIQUES TECHNICAL SPECFICATIONS TECHNISCHE ANGABEN

1 Cylindre Boby Zylinderrohr
2 Tige Piston rod Kolbenstange
3 Tête de guidage Guiding head Stangenführung
4 Tête de piston Piston Kolben
5 Fond Bottom Boden
6 Bossage d'alimentation Rod inlet boss Anschlussstutzen an der Stangenseite
7 Joint de piston Piston seal with wearing rings Kolbenddichtung
8 Joint statique Gasket ring Statische Dichtung
9 Joint de tige Piston rod seal Stangendichtung
10 Joint racleur Piston rod wiper Abstreifer
11 Capteur Sensor Sensor
12 Rondelle magnétique Ring magnet Magnetische Scheibe
13 Connecteur Connector Stecker



Désignation d'un vérin double effet CEI. Exemple:
Description of a double acting cylinder CEI. Example:
Bezeichnung eines doppeltwirkenden Ziylinders CEI: Beispel:

CEI 60 30 X 280 FD RO CHR2 M18X1,5 P7

a Alésage
Bore
Kolbendurchmesser

b Tige
Rode diameter
Kolbenstangendurchmesser

C Course
Stroke
Hub

FD Fixation du corps
Body mount
Befestigungsart des Zylinders

RO Fixation de la tige
Rod mount
Befestigungsart der Kolbenstangenseite

Option de protection tige
Rod coating option
Korrosssionsschutz

Orifices d'alimentations
Inlet ports
Anschluss

P Orifices de purges
Bleed ports
Entlüftungsanschlüsse

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CHOIX DES FIXATIONS DU CORPS DE VERIN

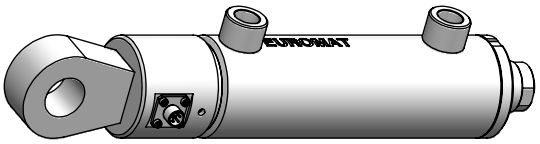
CHOICE OF MOUTING ONTHE CYLINDER BODY

BEFESTIGUNGSWAHL DER ZYLINDER

DEM ../..X..CM

Chape mâle
Single clevis
Schwenkauge

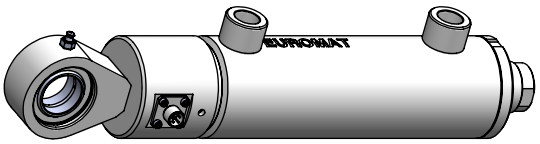
CM



DEM ../..X..RO

Rotule
Spherical eye
Gelenkauge

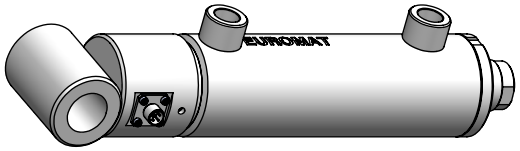
RO



DEM ../..X..FD

Fond douille
Cross socket
Schwenkhülse

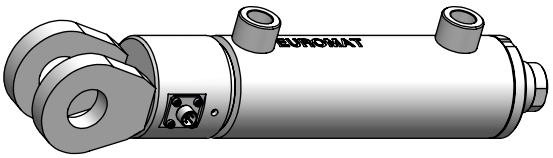
FD



DEM ../..X..CF

Chape femelle
Double clevis
Gabel

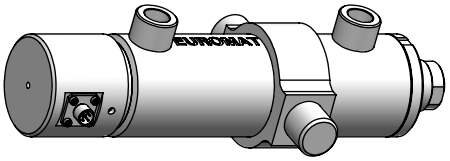
CF



DEM ../..X..AS

Tourillons
Trunnion
Schwenkzapfen

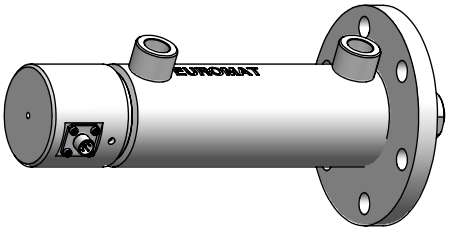
AS



DEM ../..X..BT

Bride en tête
Head flange
Flansch vorne

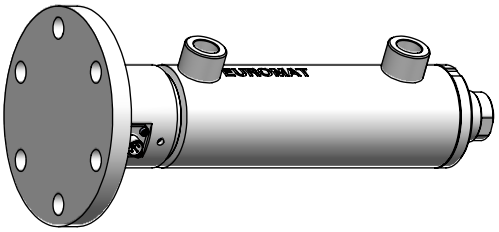
BT



DEM ../..X..FB

Fond à bride
Bottom flange
Bodenflansch

FB



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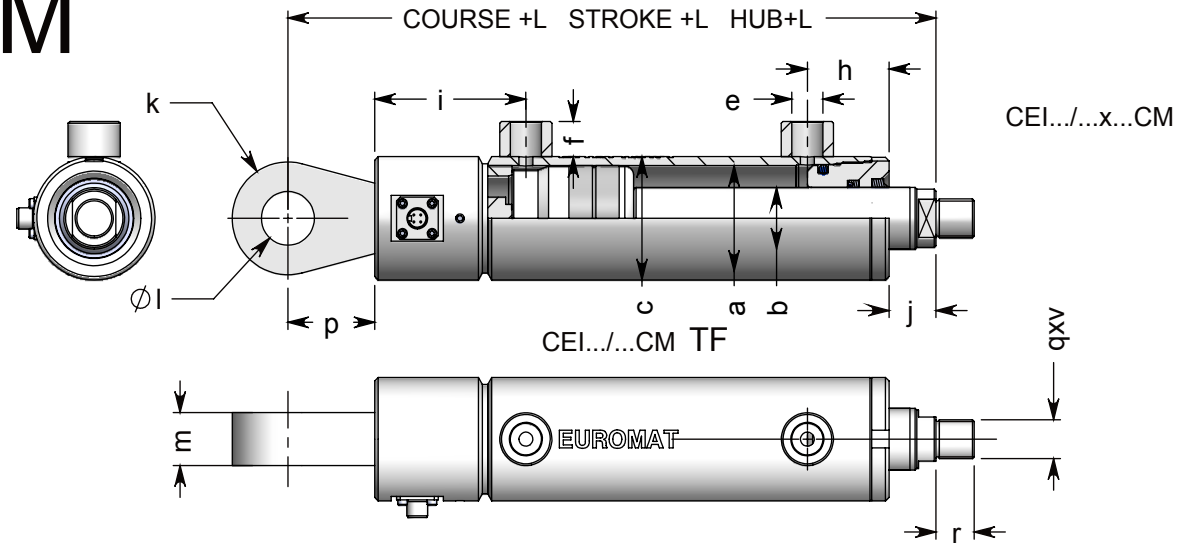
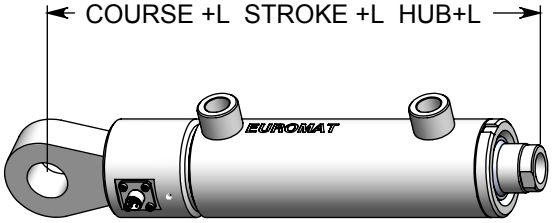
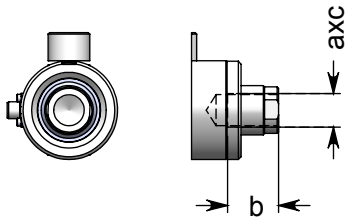
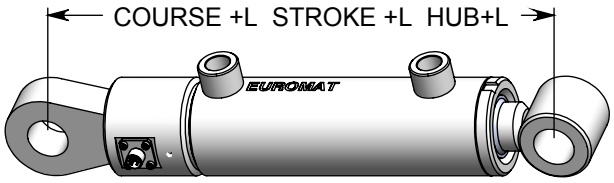
CM



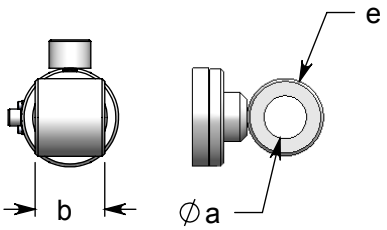


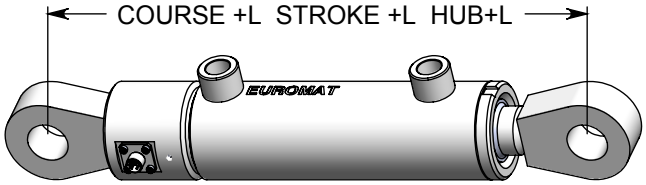
CEI.../...CM TT





CEI.../...CM TO





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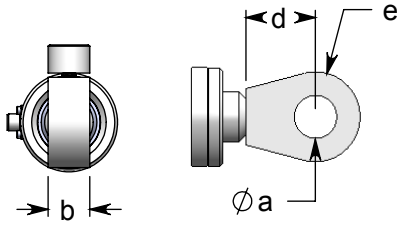

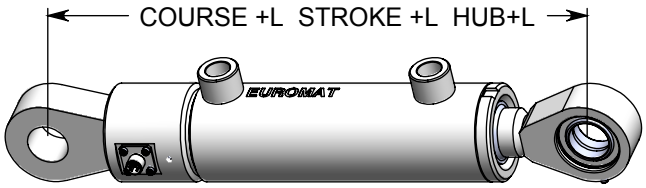

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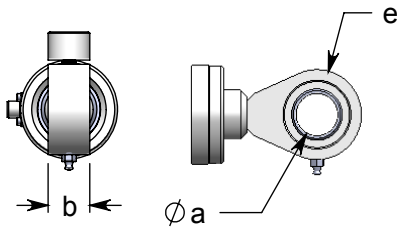
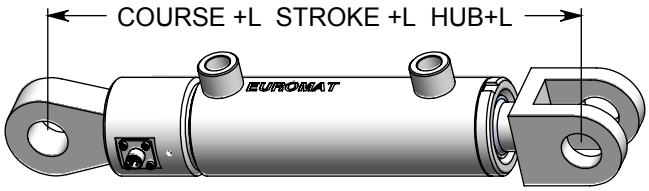
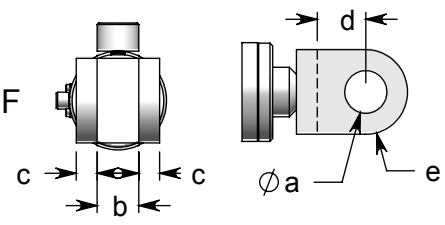




CEI.../...CM CF



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CEI.../... CM TF	DONNEES TECHNIQUES			TECHNICAL SPECFICATIONS				TECHNISCHE ANGABEN			
a	60	60	60	70	70	80	80	100	100	125	125
b	30	35	40	35	40	45	50	50	65	65	80
c	70	70	70	80	80	90	90	115	115	140	140
e	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2
f	20	20	20	20	20	20	20	20	20	20	20
g	0	0	0	0	0	0	0	0	0	0	0
h	47	47	47	47	47	50	50	60	60	70	70
i	19	19	19	19	19	19	19	19	19	19	19
j	19	19	19	24	24	26	26	35	35	35	35
k	32	32	32	32	32	40	40	47	47	60	60
l	30	30	30	30	30	35	35	40	40	50	50
m	30	30	30	30	30	35	35	40	40	50	50
p	50	50	50	50	50	60	60	70	70	85	85
q	22	22	22	28	28	35	35	45	45	58	58
r	22	22	22	28	28	35	35	45	45	58	58
v	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
L	265	265	265	270	270	290	290	290	290	325	325

CEI../... CM TT											
a	0	24	24	0	24	30	36	0	45	0	52
b	0	40	40	0	40	50	65	0	85	0	90
e		2	2		2	2	2		3		3
L	0	265	265	0	265	290	290	0	260	0	325

CEI .../... CM TO											
a	30	30	30	30	30	35	35	40	40	50	50
b	50	50	50	50	50	60	60	80	80	90	90
e	27,5	27,5	27,5	27,5	27,5	30	30	35	35	45	45
L	290	290	290	300	300	320	320	295	295	370	370

CEI .../... CM CM											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	315	315	315	325	325	350	350	330	330	410	410

CEI .../... CM RO											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	315	315	315	335	335	360	360	350	350	425	425

CEI .../... CM CF											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
c	15	15	15	15	15	17,5	17,5	20	20	25	25
d	35	35	35	35	35	43	43	50	50	63	63
e	32	32	32	32	32	40	40	47	47	55	55
L	315	315	315	335	335	350	350	330	330	410	410

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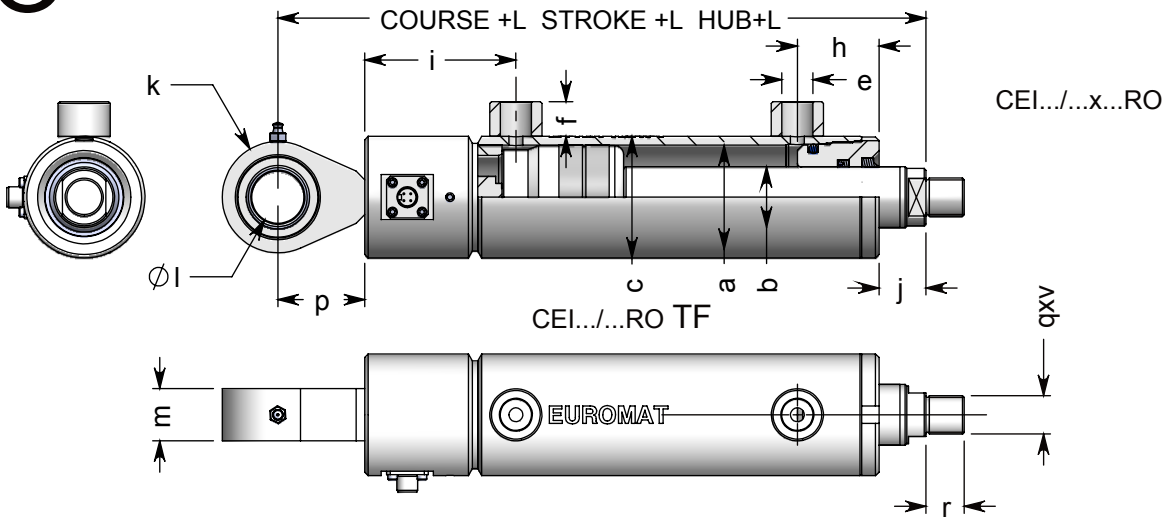
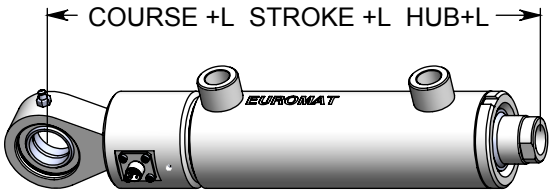
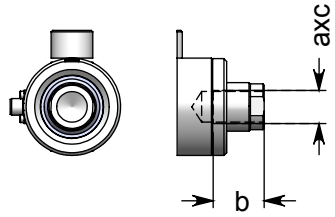
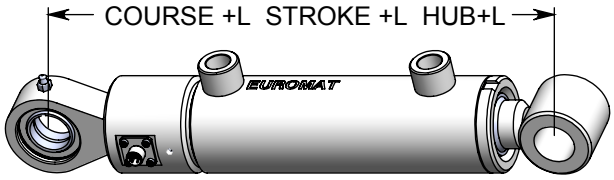
RO



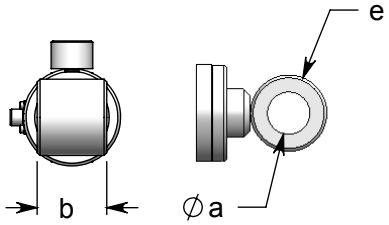


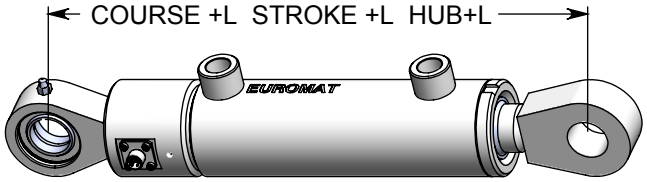
CEI.../...RO TT



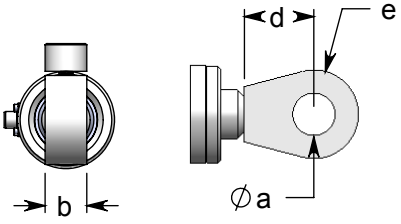


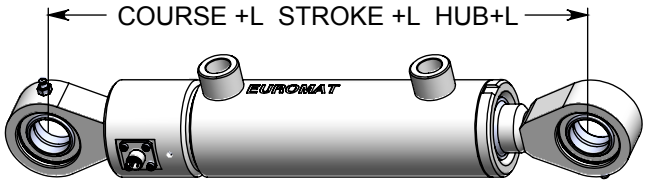
CEI.../...RO TO



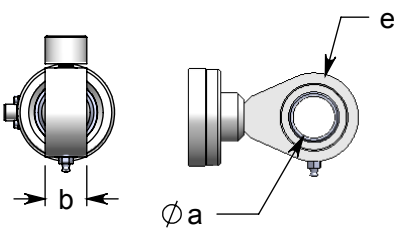


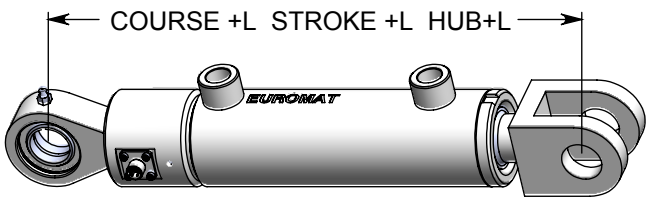
CEI.../...RO CM



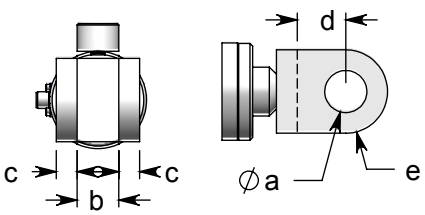


CEI.../...RO RO





CEI.../...RO CF



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CEI…/… RO TF	DONNEES TECHNIQUES			TECHNICAL SPECFICATIONS				TECHNISCHE ANGABEN			
a	60	60	60	70	70	80	80	100	100	125	125
b	30	35	40	35	40	45	50	50	65	65	80
c	70	70	70	80	80	90	90	115	115	140	140
d	12	12	12	12	12	12	12	14	14	12	12
e	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2
f	20	20	20	20	20	20	20	20	20	20	20
g	0	0	0	0	0	0	0	0	0	0	0
h	47	47	47	47	47	50	50	60	60	70	70
i	19	19	19	19	19	19	19	19	19	19	19
j	19	19	19	24	24	26	26	35	35	35	35
k	32	32	32	32	32	40	40	47	47	60	60
l	30	30	30	30	30	35	35	40	40	50	50
m	30	30	30	30	30	35	35	40	40	50	50
n	22	22	22	22	22	25	25	28	28	35	35
p	50	50	50	50	50	60	60	70	70	85	85
q	22	22	22	28	28	35	35	45	45	58	58
r	22	22	22	28	28	35	35	45	45	58	58
v	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
L	265	265	265	270	270	290	290	290	290	325	325

CEI../… RO TT											
a	0	24	24	0	24	30	36	0	45	0	52
b	0	40	40	0	40	50	65	0	85	0	90
e		2	2		2	2	2		3		3
L	0	265	265	0	265	290	290	0	290	0	325

CEI …/… RO TO											
a	30	30	30	30	30	35	35	40	40	50	50
b	50	50	50	50	50	60	60	80	80	90	90
e	27,5	27,5	27,5	27,5	27,5	30	30	35	35	45	45
L	290	290	290	300	300	320	320	325	325	370	370

CEI …/… RO CM											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	315	315	315	325	325	350	350	360	360	410	410

CEI …/… RO RO											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	315	315	315	335	335	360	360	380	380	425	425

CEI …/… RO CF											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
c	15	15	15	15	15	17,5	17,5	20	20	25	25
d	35	35	35	35	35	43	43	50	50	63	63
e	32	32	32	32	32	40	40	47	47	60	60
L	315	315	315	325	325	350	350	360	360	425	425

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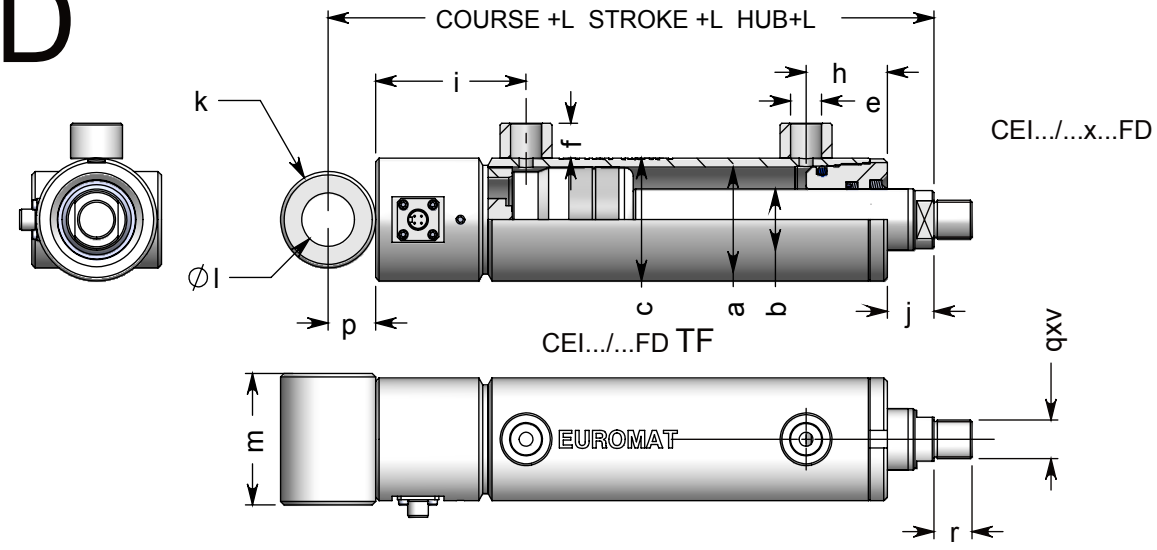
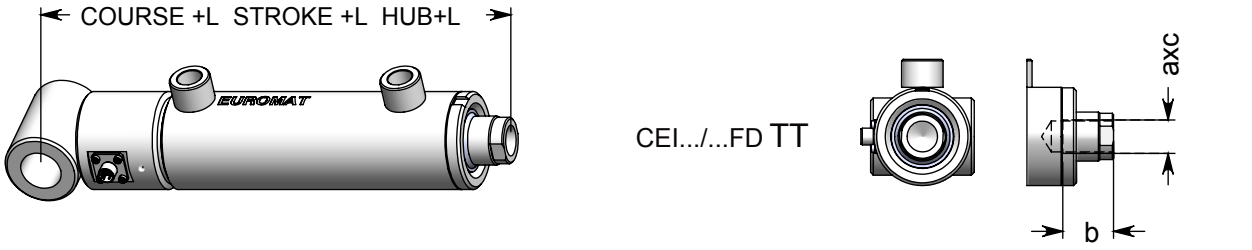
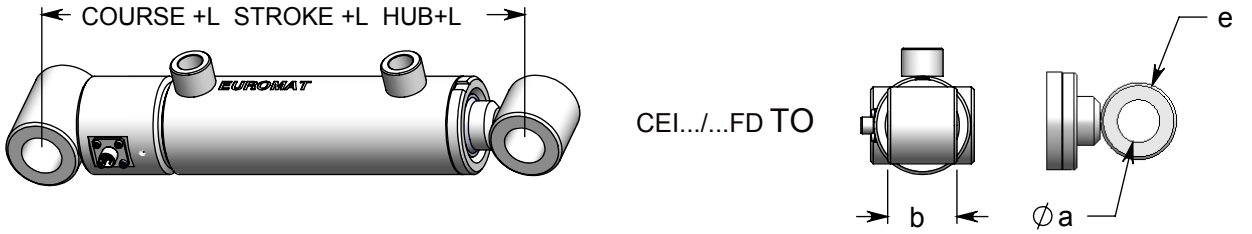
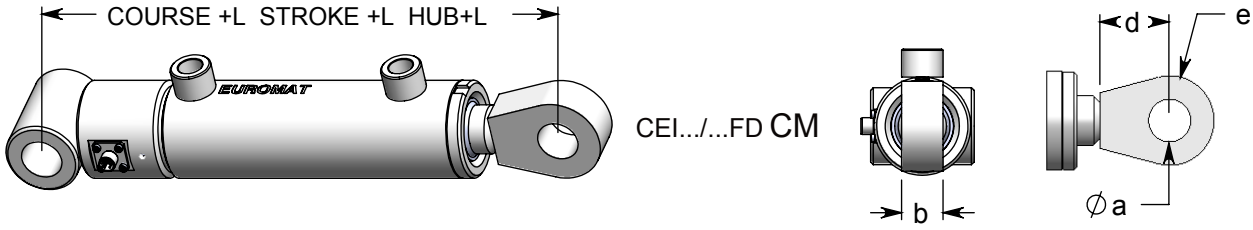
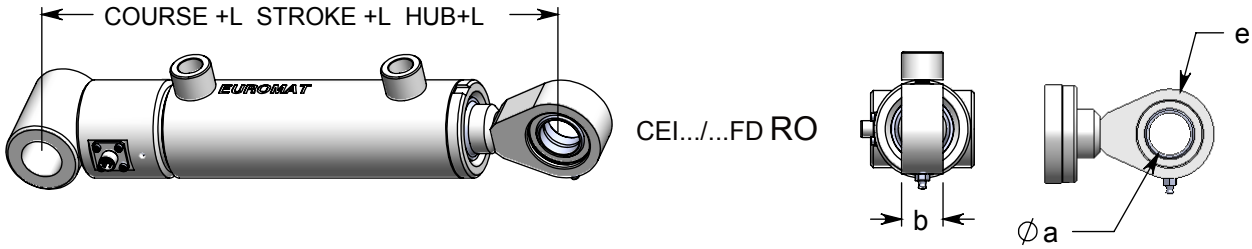
FD

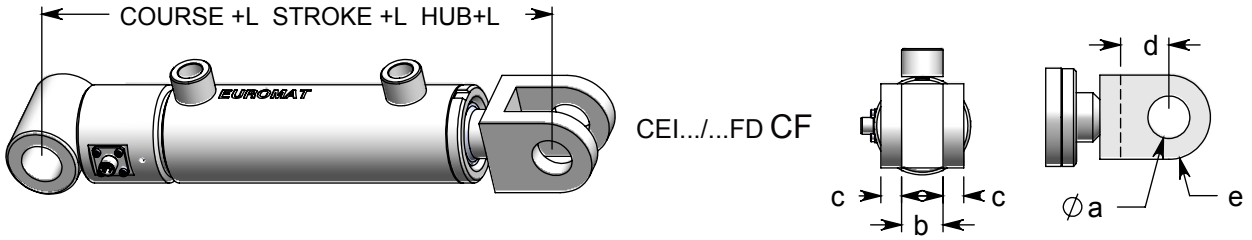












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CEI.../... FD TF	DONNEES TECHNIQUES			TECHNICAL SPECFICATIONS				TECHNISCHE ANGABEN			
a	60	60	60	70	70	80	80	100	100	125	125
b	30	35	40	35	40	45	50	50	65	65	80
c	70	70	70	80	80	90	90	115	115	140	140
e	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2
f	20	20	20	20	20	20	20	20	20	20	20
g	0	0	0	0	0	0	0	0	0	0	0
h	47	47	47	47	47	50	50	60	60	70	70
i	19	19	19	19	19	19	19	19	19	19	19
j	19	19	19	24	24	26	26	35	35	35	35
k	55	55	55	55	55	60	60	70	70	90	90
l	30	30	30	30	30	35	35	40	40	50	50
m	75	75	75	90	90	100	100	125	125	150	150
p	27,5	27,5	27,5	27,5	27,5	30	30	35	35	45	45
q	22	22	22	28	28	35	35	45	45	58	58
r	22	22	22	28	28	35	35	45	45	58	58
v	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
L	245	245	245	245	245	255	255	240	240	280	280

CEI../... FD TT											
a	0	24	24	0	24	30	36	0	45	0	52
b	0	40	40	0	40	50	65	0	85	0	90
e		2	2		2	2	2		3		3
L	0	245	245	0	245	255	255	0	240	0	290

CEI .../... FD TO											
a	30	30	30	30	30	35	35	40	40	50	50
b	50	50	50	50	50	60	60	80	80	90	90
e	27,5	27,5	27,5	27,5	27,5	30	30	35	35	45	45
L	270	270	270	270	270	280	280	270	270	325	325

CEI .../... FD CM											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	290	290	290	290	290	310	310	305	305	355	355

CEI .../... FD RO											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	290	290	290	290	290	310	310	305	305	355	355

CEI .../... FD CF											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
c	15	15	15	15	15	17,5	17,5	20	20	25	25
d	35	35	35	35	35	43	43	50	50	63	63
e	32	32	32	32	32	40	40	47	47	60	60
L	292	292	290	290	290	300	300	310	310	360	360

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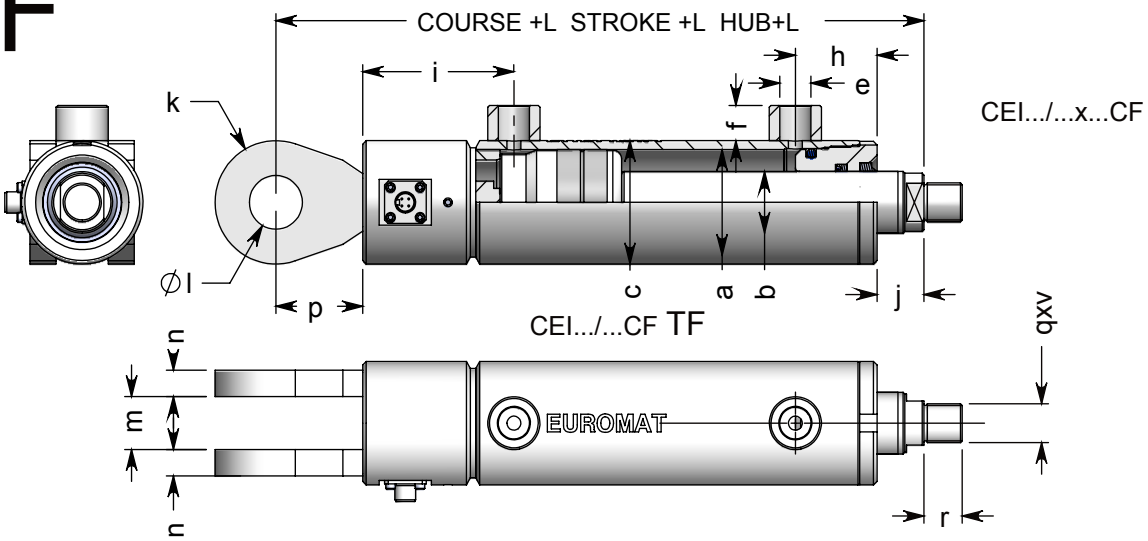
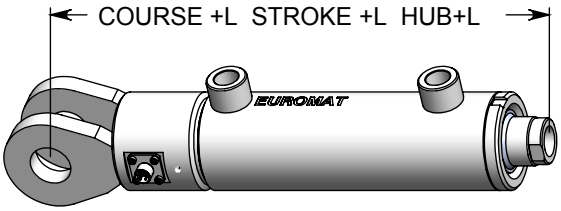
CF





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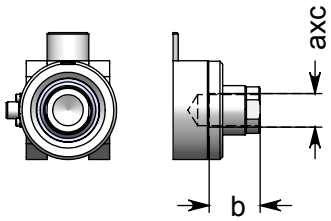

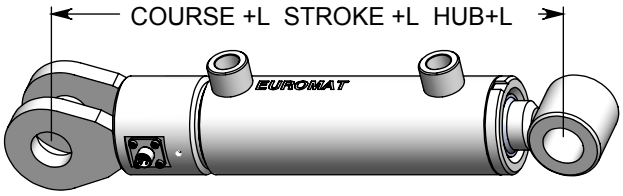

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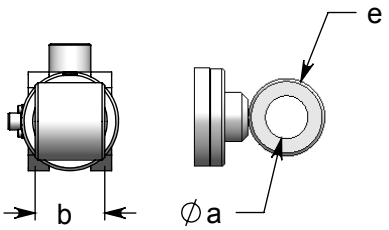

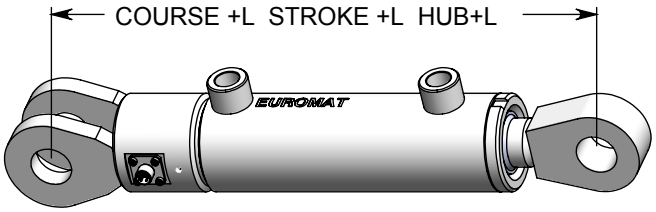

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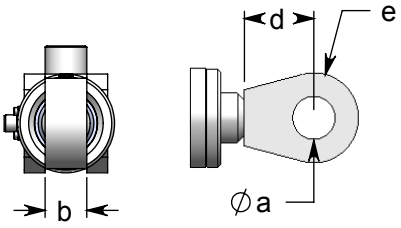

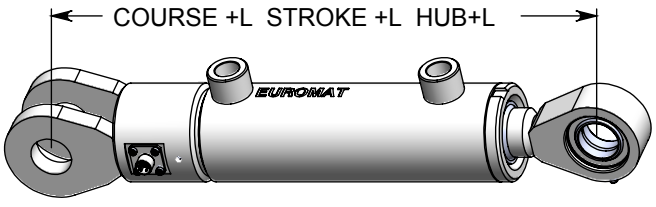

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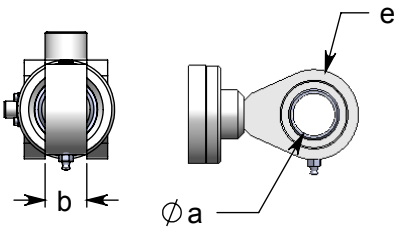

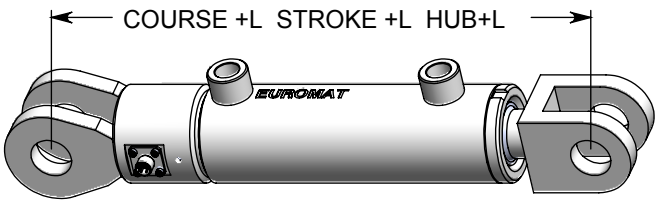

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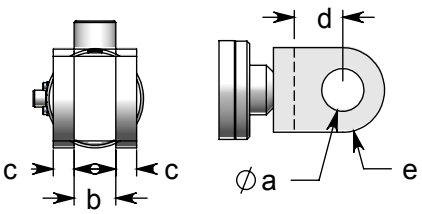

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CEI…/… CF TF	DONNEES TECHNIQUES			TECHNICAL SPECFICATIONS				TECHNISCHE ANGABEN			
a	**60**	**60**	**60**	**70**	**70**	**80**	**80**	**100**	**100**	**125**	**125**
b	**30**	**35**	**40**	**35**	**40**	**45**	**50**	**50**	**65**	**65**	**80**
c	70	70	70	80	80	90	90	115	115	140	140
e	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2
f	20	20	20	20	20	20	20	20	20	20	20
g	0	0	0	0	0	0	0	0	0	0	0
h	47	47	47	47	47	50	50	60	60	70	70
i	19	19	19	19	19	19	19	19	19	19	19
j	19	19	19	19	19	20,5	20,5	20	20	19,5	19,5
k	35	35	35	35	35	43	43	50	50	63	63
l	30	30	30	30	30	35	35	40	40	50	50
m	30	30	30	30	30	35	35	40	40	50	50
n	15	15	15	15	15	17,5	17,5	20	20	25	25
p	50	50	50	50	50	60,5	60,5	70	70	85	85
q	22	22	22	28	28	35	35	45	45	58	58
r	22	22	22	28	28	35	35	45	45	58	58
v	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
L	265	265	265	265	265	285	285	275	275	320	320

CEI../… CF TT											
a	0	24	24	0	24	30	36	0	45	0	52
b	0	40	40	0	40	50	65	0	85	0	90
e		2	2		2	2	2		3		3
L	0	265	265	0	265	285	285	0	275	0	320

CEI …/… CF TO											
a	30	30	30	30	30	35	35	40	40	50	50
b	50	50	50	50	50	60	60	80	80	90	90
e	27,5	27,5	27,5	27,5	27,5	30	30	35	35	45	45
L	290	290	290	290	290	310	310	305	305	355	355

CEI …/… CF CM											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	315	315	315	315	315	340	340	345	345	405	405

CEI …/… CF RO											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	315	315	315	315	315	340	340	345	345	405	405

CEI …/… CF CF											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
c	15	15	15	15	15	17,5	17,5	20	20	25	25
d	35	35	35	35	35	43	43	50	50	63	63
e	32	32	32	32	32	40	40	47	47	60	60
L	315	315	315	325	325	375	375	345	345	400	400

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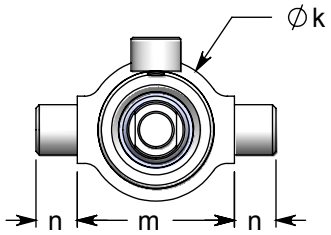
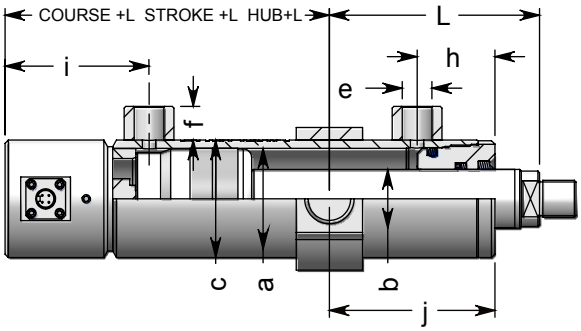
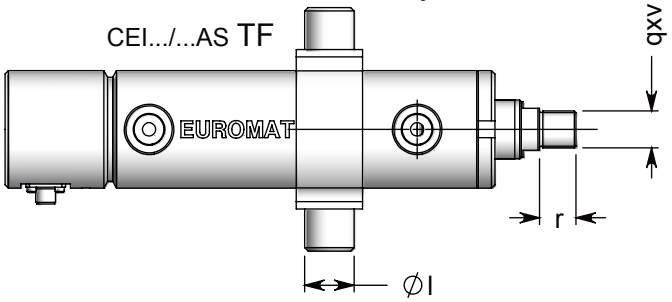
AS

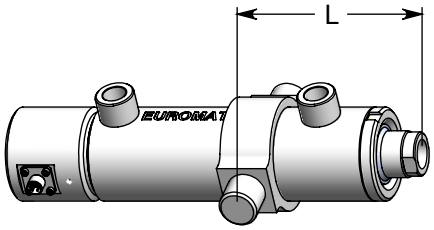




CEI.../...x...AS

CEI.../...AS TF





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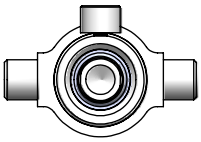

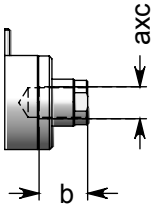

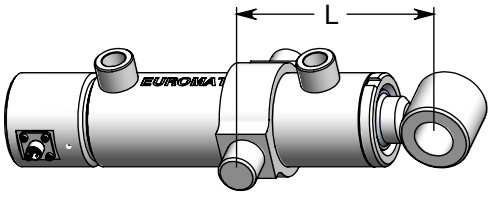

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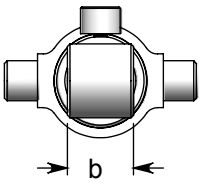

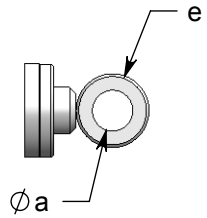

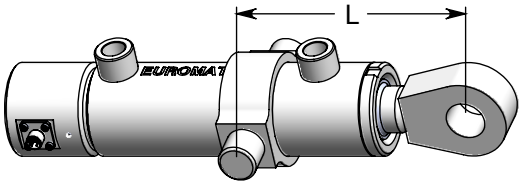

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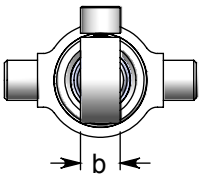

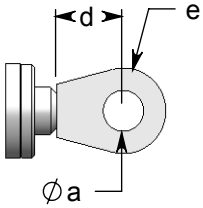

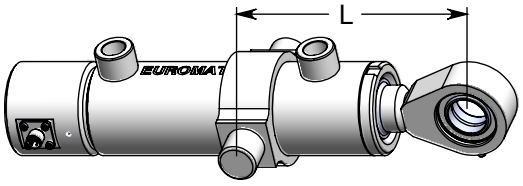

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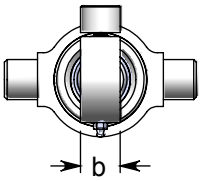

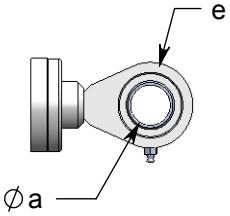

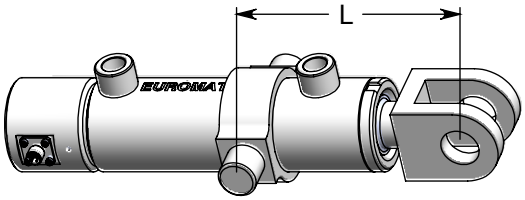

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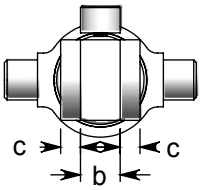

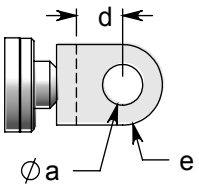

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CEI…/… AS TF	DONNEES TECHNIQUES			TECHNICAL SPECFICATIONS				TECHNISCHE ANGABEN			
a	60	60	60	70	70	80	80	100	100	125	125
b	30	35	40	35	40	45	50	50	65	65	80
c	70	70	70	80	80	90	90	115	115	140	140
e	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2
f	20	20	20	20	20	20	20	20	20	20	20
g	0	0	0	0	0	0	0	0	0	0	0
h	47	47	47	47	47	50	50	60	60	70	70
i	19	19	19	19	19	19	19	19	19	19	19
j	100	100	100	100	100	100	100	100	100	110	110
k	85	85	85	100	100	110	110	140	140	170	170
l	30	30	30	30	30	35	35	40	40	50	50
m	95	95	95	110	110	125	125	150	150	180	180
n	25	25	25	25	25	30	30	35	35	45	45
q	22	22	22	28	28	35	35	45	45	58	58
r	22	22	22	28	28	35	35	45	45	58	58
t	176	176	176	176	176	154	154,00	165	165	175	175
v	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
L	120	120	120	120	120	120	120	120	120	130	130

CEI../… AS TT											
a	0	24	24	0	24	30	36	0	45	0	52
b	0	40	40	0	40	50	65	0	85	0	90
e		2	2		2	2	2		3		3
L	0	120	120	0	120	120	120	0	120	0	120

CEI …/… AS TO											
a	30	30	30	30	30	35	35	40	40	50	50
b	50	50	50	50	50	60	60	80	80	90	90
e	27,5	27,5	27,5	27,5	27,5	30	30	35	35	45	45
L	145	145	145	145	145	150	150	155	155	175	175

CEI …/… AS CM											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	170	170	170	170	170	180	180	190	190	215	215

CEI …/… AS RO											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	170	170	170	170	170	180	180	190	190	215	215

CEI …/… AS CF											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
c	15	15	15	15	15	17,5	17,5	20	20	25	25
d	35	35	35	35	35	43	43	50	50	63	63
e	32	32	32	32	32	40	40	47	47	60	60
L	170	170	170	170	170	180	180	190	190	223	223

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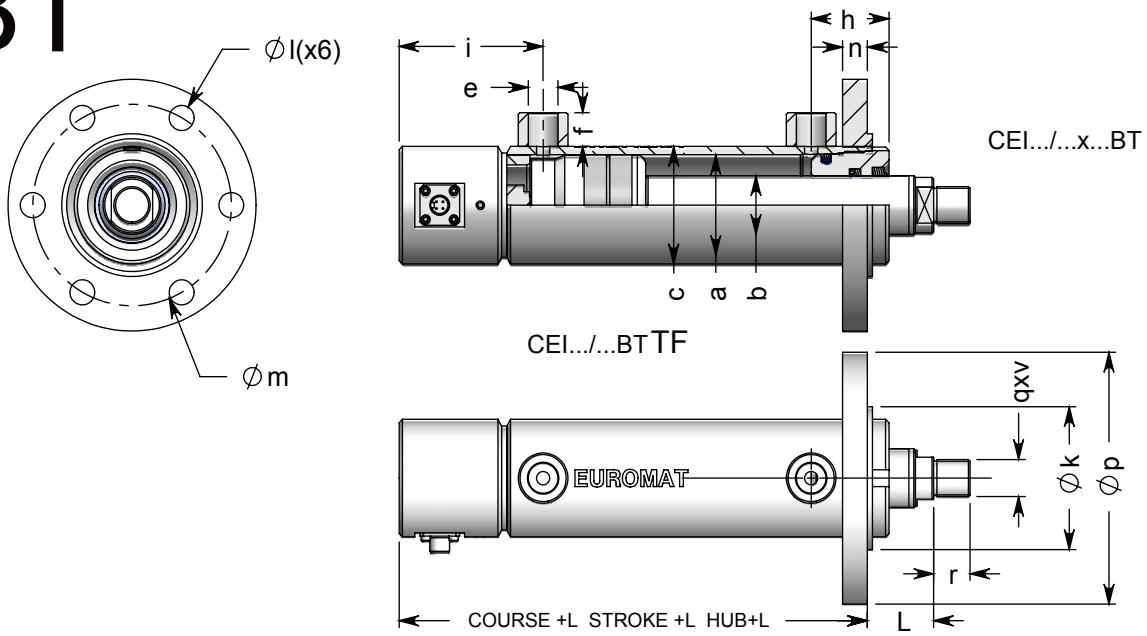
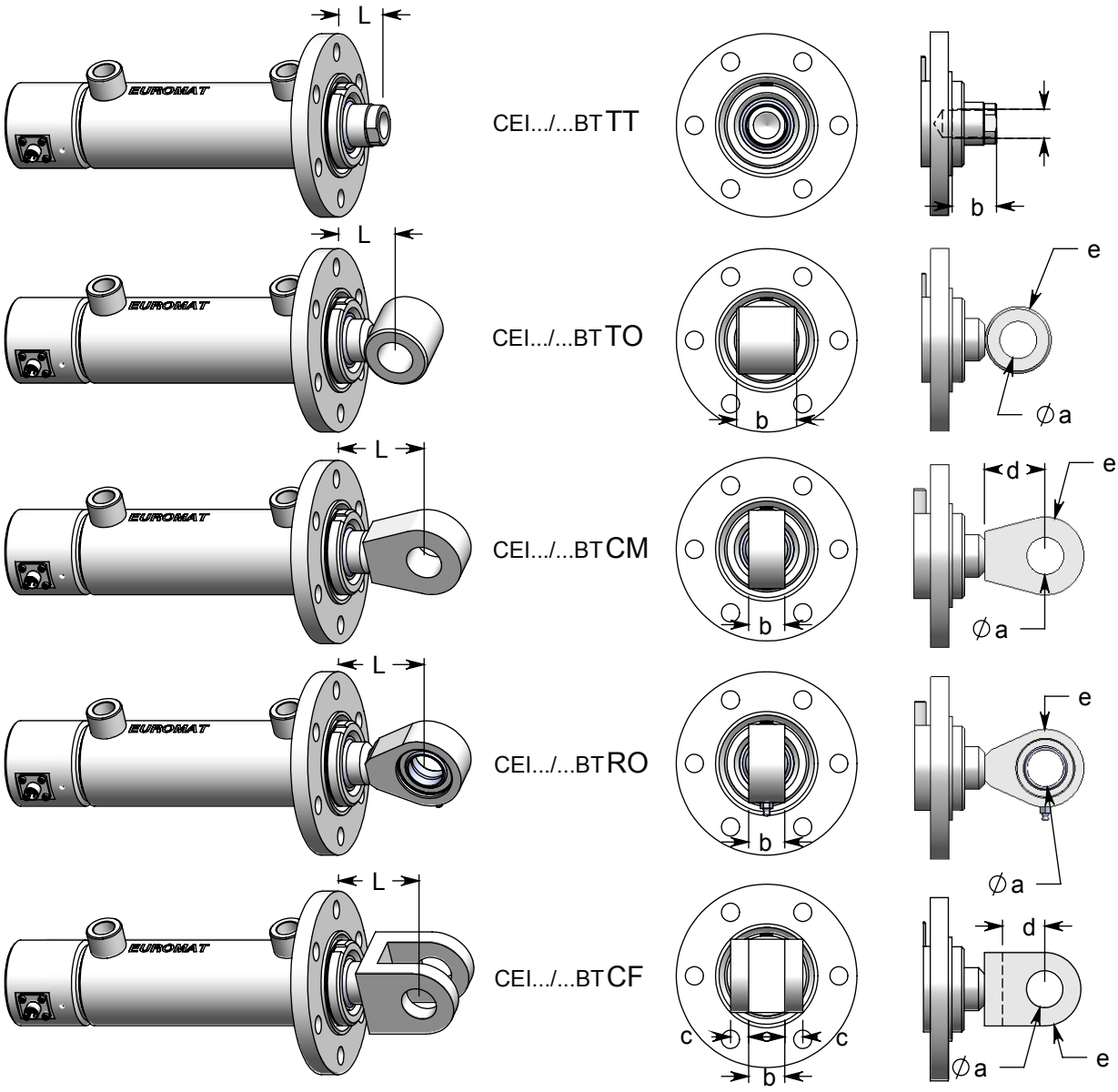
BT





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CEI.../... BT TF	DONNEES TECHNIQUES			TECHNICAL SPECFICATIONS				TECHNISCHE ANGABEN			
a	**60**	**60**	**60**	**70**	**70**	**80**	**80**	**100**	**100**	**125**	**125**
b	**30**	**35**	**40**	**35**	**40**	**45**	**50**	**50**	**65**	**65**	**80**
c	70	70	70	80	80	90	90	115	115	140	140
e	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2
f	20	20	20	20	20	20	20	20	20	20	20
g	0	0	0	0	0	0	0	0	0	0	0
h	47	47	47	47	47	50	50	60	60	70	70
i	19	19	19	19	19	19	19	19	19	19	19
k	85	85	85	95	95	110	110	140	140	180	180
l	15	15	15	15	15	15	15	21	21	21	21
m	120	120	120	130	130	140	140	180	180	125	215
n	15	15	15	15	15	15	15	20	20	25	25
p	150	150	150	160	160	170	170	220	220	250	250
q	22	22	22	28	28	35	35	45	45	58	58
r	22	22	22	28	28	35	35	45	45	58	58
t	186	186	186	186	186	224	224	175	175	195	195
v	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
L	40	40	40	40	40	40	40	40	40	40	40

CEI../... BT TT											
a	0	24	24	0	24	30	36	0	45	0	52
b	0	40	40	0	40	50	65	0	85	0	90
e		2	2		2	2	2		3		3
L	0	40	40	0	40	40	40	0	40	0	40

CEI .../... BT TO											
a	30	30	30	30	30	35	35	40	40	50	50
b	50	50	50	50	50	60	60	80	80	90	90
e	27,5	27,5	27,5	27,5	27,5	30	30	35	35	45	45
L	65	65	65	65	65	70	70	75	75	85	85

CEI .../... BT CM											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	90	90	90	90	90	100	100	110	110	125	125

CEI .../... BT RO											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	90	90	90	90	90	100	100	110	110	125	125

CEI .../... BT CF											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
c	15	15	15	15	15	17,5	17,5	20	20	25	25
d	35	35	35	35	35	43	43	50	50	63	63
e	32	32	32	32	32	40	40	47	47	60	60

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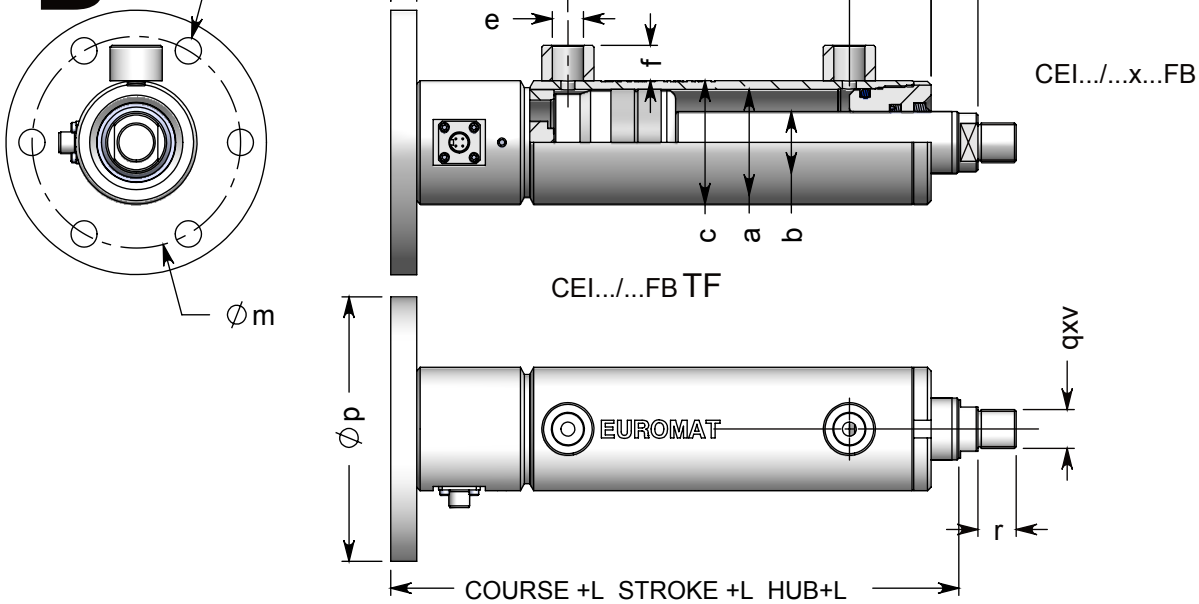
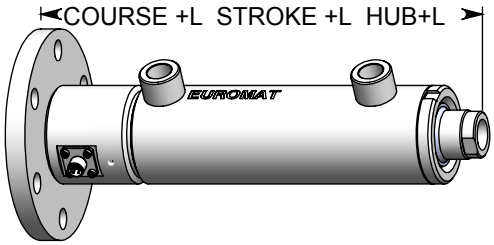
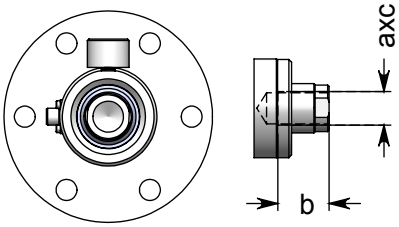
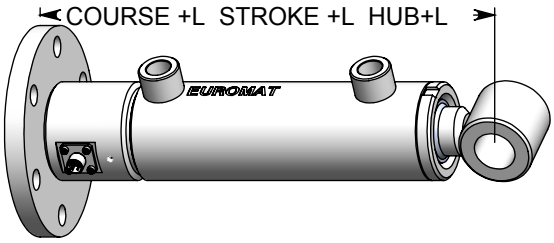
FB



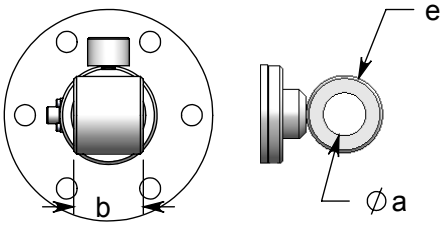


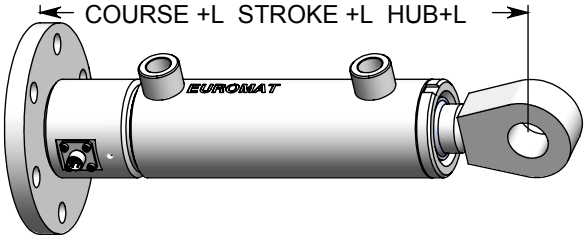
CEI.../...FB TT



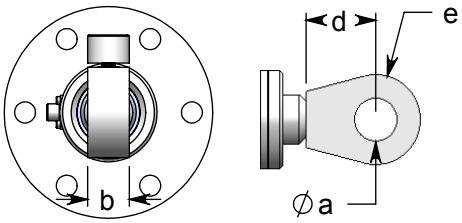


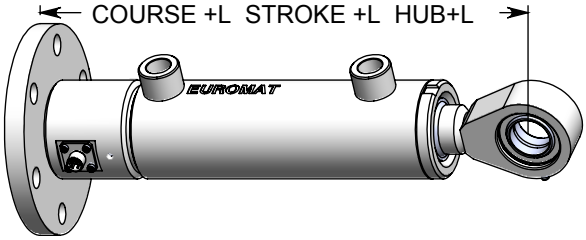
CEI.../...FB TO



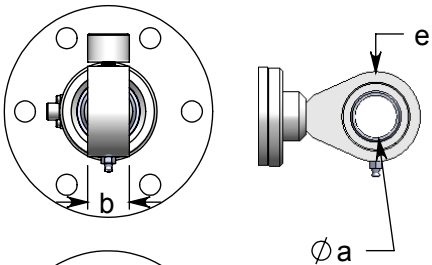


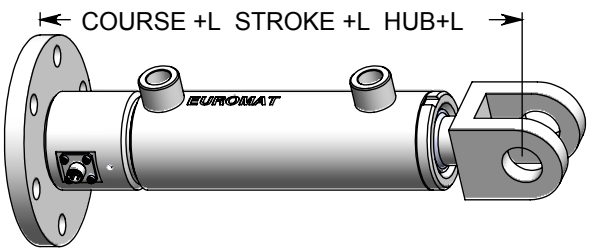
CEI.../...FB CM



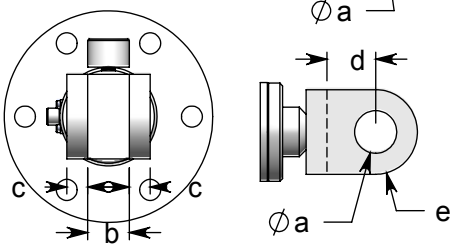


CEI.../...FB RO





CEI.../...FB CF



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CEI…/… FB TF	DONNEES TECHNIQUES			TECHNICAL SPECFICATIONS				TECHNISCHE ANGABEN			
a	**60**	**60**	**60**	**70**	**70**	**80**	**80**	**100**	**100**	**125**	**125**
b	**30**	**35**	**40**	**35**	**40**	**45**	**50**	**50**	**65**	**65**	**80**
c	70	70	70	80	80	90	90	115	115	140	140
e	3/8	3/8	3/8	3/8	3/8	3/8	3/8	1/2	1/2	1/2	1/2
f	20	20	20	20	20	20	20	20	20	20	20
g	0	0	0	0	0	0	0	0	0	0	0
h	47	47	47	47	47	50	50	60	60	70	70
i	34	34	34	34	34	34	34	34	34	34	34
j	19	19	19	19	19	16	16	20	20	20	20
l	15	15	15	15	15	15	15	21	21	21	21
m	120	120	120	130	130	140	140	180	180	125	215
n	15	15	15	15	15	15	15	20	20	25	25
p	150	150	150	160	160	170	170	220	220	250	250
q	22	22	22	28	28	35	35	45	45	58	58
r	22	22	22	28	28	35	35	45	45	58	58
v	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5
L	245	245	245	245	245	250	250	240	240	265	265

CEI…/… FB TT											
a	0	24	24	0	24	30	36	0	45	0	52
b	0	40	40	0	40	50	65	0	85	0	90
e		2	2		2	2	2		3		3
L	0	245	245	0	245	250	250	0	240	0	265

CEI …/… FB TO											
a	30	30	30	30	30	35	35	40	40	50	50
b	50	50	50	50	50	60	60	80	80	90	90
e	27,5	27,5	27,5	27,5	27,5	30	30	35	35	45	45
L	270	270	270	270	270	280	280	275	275	310	310

CEI …/… FB CM											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	295	295	295	295	295	310	310	310	310	350	350

CEI …/… FB RO											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
d	50	50	50	50	50	60	60	70	70	85	85
e	32	32	32	32	32	40	40	47	47	60	60
L	295	295	295	295	295	310	310	310	310	350	350

CEI …/… FB CF											
a	30	30	30	30	30	35	35	40	40	50	50
b	30	30	30	30	30	35	35	40	40	50	50
c	15	15	15	15	15	17,5	17,5	20	20	25	25
d	35	35	35	35	35	43	43	50	50	63	63
e	32	32	32	32	32	40	40	47	47	60	60
L	295	295	295	295	295	315	315	310	310	358	358

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