

I - 20098 S. GIULIANO MIL. (ITALY) - VIA COLOMBARA, 1 - FRAZ. PEDRIANO TELEFONO +39 0298.20.44.11 - TELEFAX +39 02 98.20.44.22 E-Mail: cedaspe@cedaspe.com - InterNet Site: http://www.cedaspe.com - CAP. SOC. 6 500.000 I.V. - TVA-P.I. IT 01065780155 C.F. 01065780155 R.E.A. MI 729991 - IMPORT - EXPORT MI 142410 - REG. IMPR. 132146/3344/46 TRIB. MI

FLAG CONNECTORS

CEDASPE manufacturing program include a wide range of connecting flags.

This catalogue shows the most common types (mainly acc to DIN standard and UNEL standard); it is possible to make also special flags according tocustomer drawing (please contact our technical department).

Material used for our flags is brass hot forged or casted (depending on size); for high current flags (above 8000A) casted bronze 88-9-3 silverplated; on demand other materials can be used (ie copper or aluminium), our technical department will be at your disposal to make the best choice Unless by special request, all active metallic parts in brass and copper have self colour surfaces. Upon request, particularly for use in highly polluted environment conditions or in tropical climate, flags can be supplied with electrolytic tinplated surfaces with 6-8 micron average coating thickness. Below table shows tightening torque to be applied on the locking bolts of the flags

Size	Torque
M10	25 Nm
M12	40 Nm
M16	90 Nm

NOTE: suggested value +/-10%

In following pages are shown the most common types

Page 4.2: Flags EP - FP DIN 43675 from 1000 to 31500 A

Flags 1000-2000-3150 UNEL 38137-67

Flags 2000-3150A NEMA

Flags FP 4500-6300 A Special

Page 4.3: Flags ER - FR DIN 43675 from 1000 to 4500 A

Page 4.4: Flags 250 & 630 A – different styles

Page 4.5: Ansi clamp, with eye bolt and special flags

Page 4.7: Flags TP - GPL DIN 43675 from 6300 to 12500 A

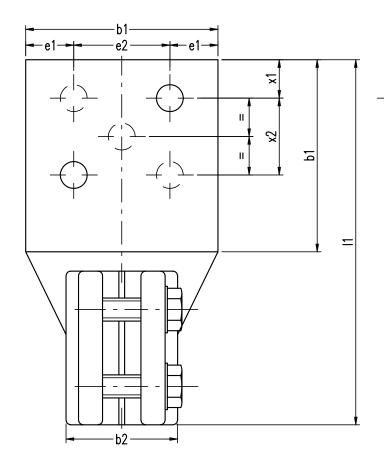
File: FLAGS UNCONTROLLED COPY Rev. 4 dtd 29/10/08

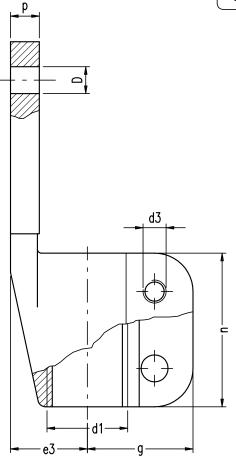


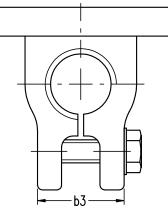
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REV. 09 DTD 06/10/08

La CEDASPE S.p.A. si riserva a termini di legge la proprietà del presente disegno con divieto di riprodurlo o conhunicarlo a terzi senza sua autorizzazione.







Z : N° fori

Mat. ottone (CuZn40Pb2) UNI 5705-65

 $Z: N^{\circ}$ of holes

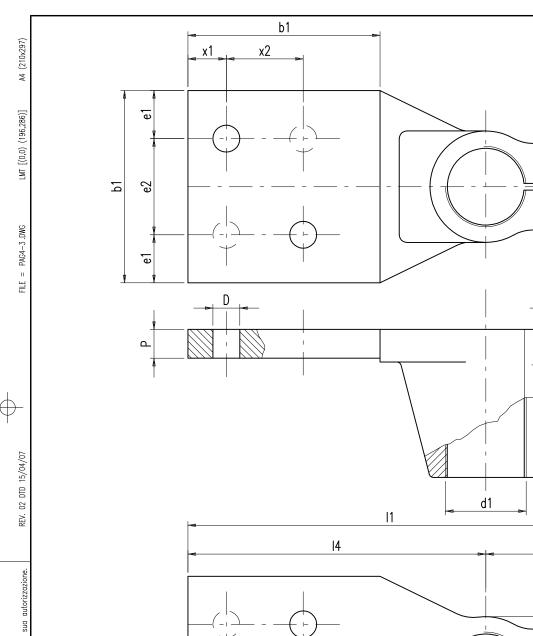
Mat. brass (CuZn40Pb2) UNI 5705-65

LA FIGURA MOSTRA BANDERUOLA FP 2000 IN SCALA 1:2 THE FIGURE SHOWS FLAG FP 2000 (1:2 SCALE)

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di riprodurlo c	Tipo <i>Type</i>	Corrente Current A	b1 mm	b2 mm	b3 mm	d1	d3	e1 mm	e2 mm	e3 mm	g mm	I1 mm	n mm	p mm	x1 mm	x2 mm	Z	D ø	NOTA Note	Codice <i>Code</i>
eto	EP 1000 FP 2000	1000	60	45	36	M30X2	M10	17	26	28	40	130	60	10	17	26	2	14	Acc. to DIN 43675	BA1000DVI0
ğ	FP 2000	2000	100	58	45	M42X3	M12	25	50	40	55	190	80	15	20	40	4	14	Acc. to DIN 43675	BA2000DVI0
	FP 3150	3150	120	68	58	M48X3	M12	30	60	45	55	210	80	15	20	40	4	14	Acc. to DIN 43675	BA3150DVI0
segno	FP 4500	4500	150	80	58	M55X3	M12	40	70	55	60	246	90	20	40	70	4	18	Special	BA4500UVI0
te dis	FP 4500 FP 6300 FP M30 NEMA FP M42 NEMA	6300	200	105	62	ø71	M12	40	120	65	70	310	100	20	40	120	5	18	Special	BA6300UVF0
reser	FP M30 NEMA	2000	100	58	45	M30X2	M12	27.7	44.5	40	55	190	80	15	27.7	44.5	4	14	Special NEMA pads	FA2000DVF3
de de	FP M42 NEMA	2000	100	58	45	M42X3	M12	27.7	44.5	40	55	190	80	15	27.7	44.5	4	14	Special NEMA pads	BA2000DVI2
rietà	FP 1"1/2 UNF NEMA FP M48 NEMA	2000	100	58	45	1"1/2 UNF(12tpi)	M12	27.7	44.5	40	55	190	80	15	27.7	44.5	4	14	Special NEMA pads	BA2000DVI4
		3150	120	68	58	M48X3	M12	37.7	44.5	45	55	210	80	15	37.7	44.5	4	14	Special NEMA pads	FA3150DVF2
lge la	UNEL 1000 A UNEL 2000 A	1000	60	44	44	M30X2	M12	14	32	30	40	130	60	12	14	32	4	14	Acc. to UNEL 38167-67	FA1000UVF0
e e e	UNEL 2000 A	2000	100	58	58	M42X3	M12	25	50	45	55	195	80	20	25	50	4	18	Acc. to UNEL 38167-67	FA2000UVF0
	UNEL 3150 A	3150	120	68	58	M48X3	M12	30	60	50	55	210	80	20	30	60	4	18	Acc. to UNEL 38167-67	FA3150UVF0
ē																				



BANDERUOLE VERTICALI Vertical Flags



b2 **b**3

Z: N° fori

Mat. ottone (CuZn40Pb2) UNI 5705-65

Z : N° of holes

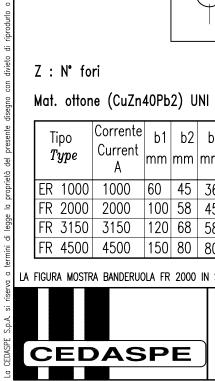
d3

Mat. brass (CuZn40Pb2) UNI 5705-65

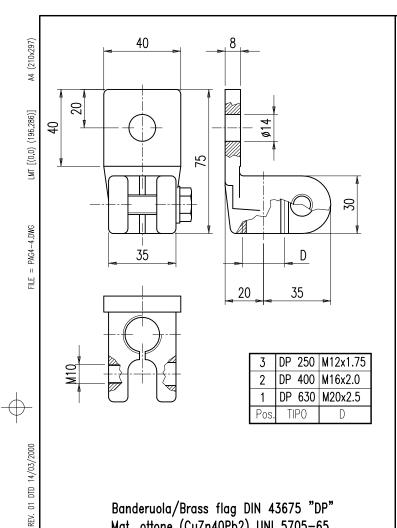
Tipo Type	Corrente Current A	b1 mm	b2 mm	b3 mm	d1	d3	e1 mm	e2 mm	g mm	l1 mm	I4 mm	n mm	P mm	x1 mm	x2 mm	Z	D ø	NOTA <i>Note</i>
ER 1000	1000	60	45	36	M30X2	M10	17	26	40	135	95	60	10	17	26	2	14	Acc. to DIN 43675
FR 2000	2000	100	58	45	M42X3	M12	25	50	55	210	155	80	15	20	40	4	14	Acc. to DIN 43675
FR 3150	3150	120	68	58	M48X3	M12	30	60	55	230	175	80	15	20	40	4	14	Acc. to DIN 43675
FR 4500	4500	150	80	80	M55X3	M12	40	70	60	267	205	90	20	40	70	4	18	Special

LA FIGURA MOSTRA BANDERUOLA FR 2000 IN SCALA 1:2

THE FIGURE SHOWS FLAG FR 2000 (1:2 SCALE)

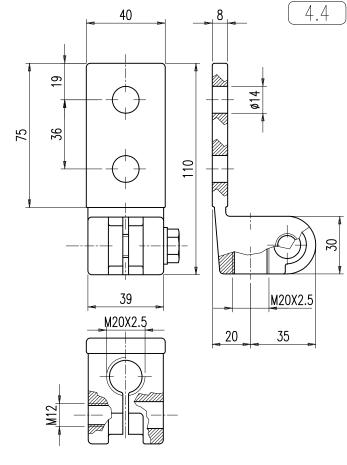


BANDERUOLE ORIZZONTALI ER-FR Horizontal Flags ER-FR

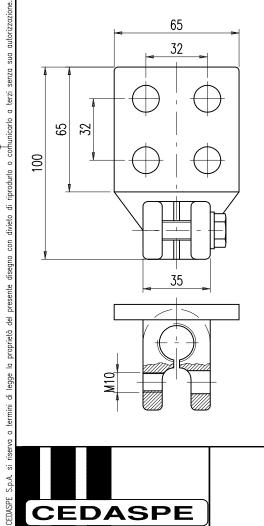


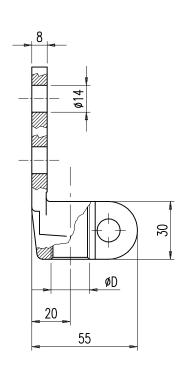
Mat. ottone (CuZn40Pb2) UNI 5705-65

brass (CuZn40Pb2) UNI 5705-65



Banderuola/Brass flag DIN 43675 (modified) "AP-EL" Mat. ottone (CuZn40Pb2) UNI 5705-65 brass (CuZn40Pb2) UNI 5705-65



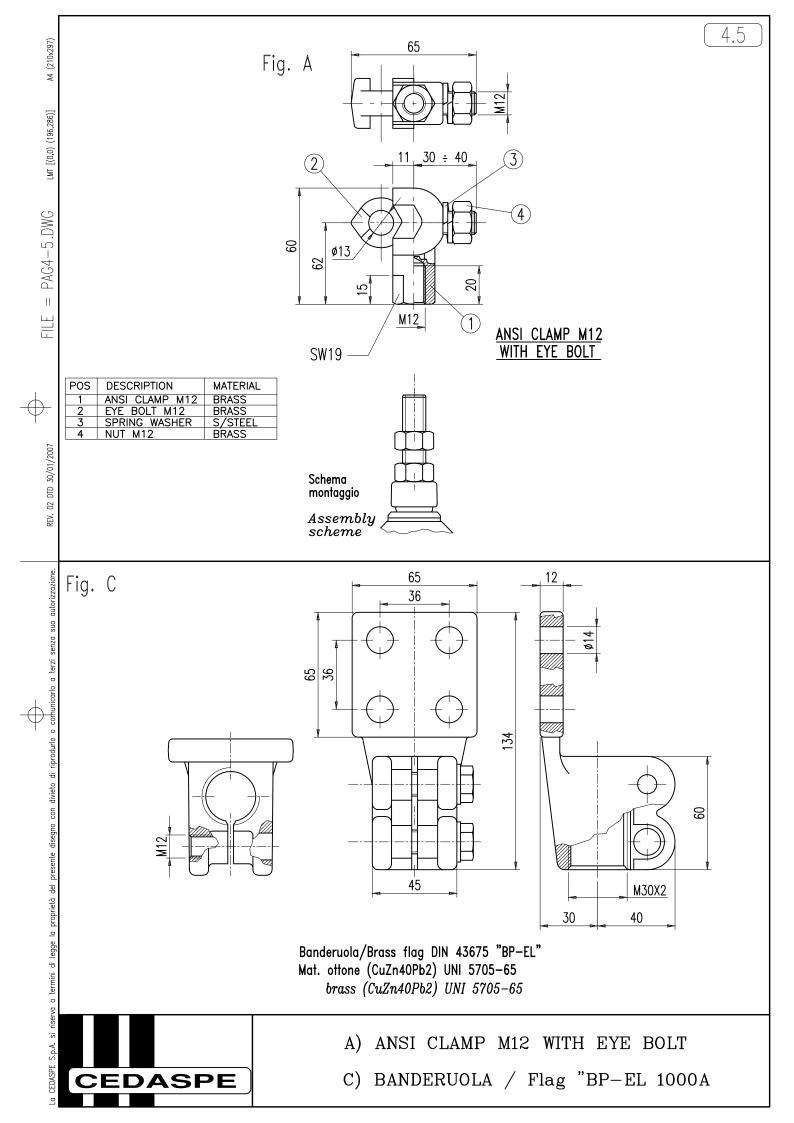


2	DP/LK 250	M12
1	DP/LK 630	M20
Pos.	TIP0	D

Banderuola/Brass flag DIN 43675 (modified) "DP-LK" Mat. ottone (CuZn40Pb2) UNI 5705-65 brass (CuZn40Pb2) UNI 5705-65



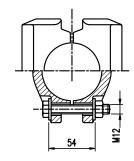
BANDERUOLE DP - AP (250/630A)Flags DP - AP (250/630A)



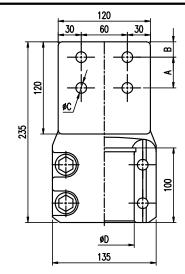


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Banderuola/Flag type TP 78/120 (6300A) Mat. ottone *brass*



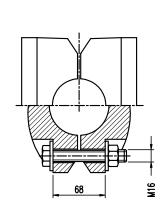
102 NOTE 0 14 78 TP78/120 (SILVERPLATED) DIN 4	7675
\square	
18 100 18	
$\frac{136}{18}$ 100 18 4	7

Pos. A B ØC ØD NOTE

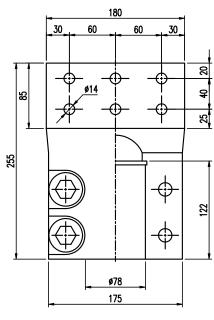
1 40 20 14 78 TP78/120 (SILVERPLATED) DIN 43675

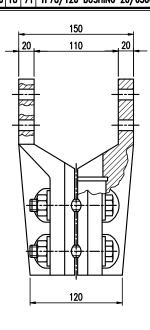
2 60 30 18 74 TP78/120 BUSHING 20/6300
OIL SIDE

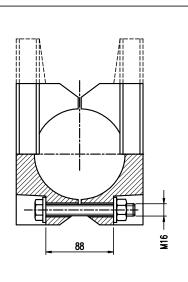
3 60 30 18 71 TP78/120 BUSHING 20/6300 AIR SIDE



Banderuola/Flag type
TP 78/180 (8000A)
Mat. bronzo alluminio argentato
alu-bronze 88-9-3 silver plated

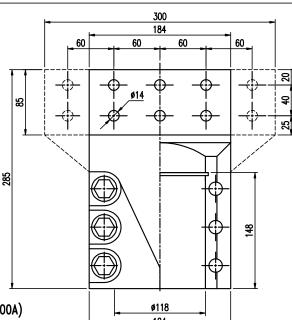


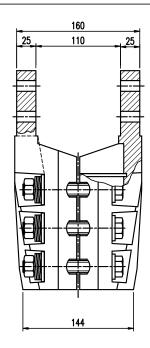




Banderuola/Flag type
GPL 118-180 e GPL 118-300 (12500A)
Mat. bronzo alluminio argentato

alu-bronze 88-9-3 silver plated







BANDERUOLE A DOPPIO GUSCIO PER 6300-8000-12500A DIN 43675 Double flags For 6300-8000-12500A DIN 43675

Applications in statistical constraints of stati

si riserva a termini di legge la proprietà del presente disegno con divieto di riprodurlo