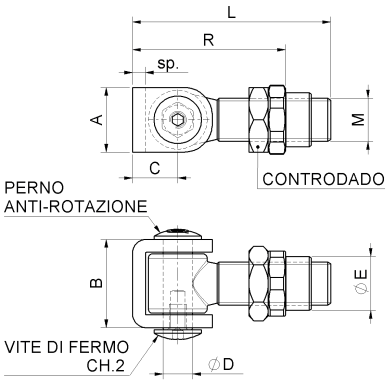
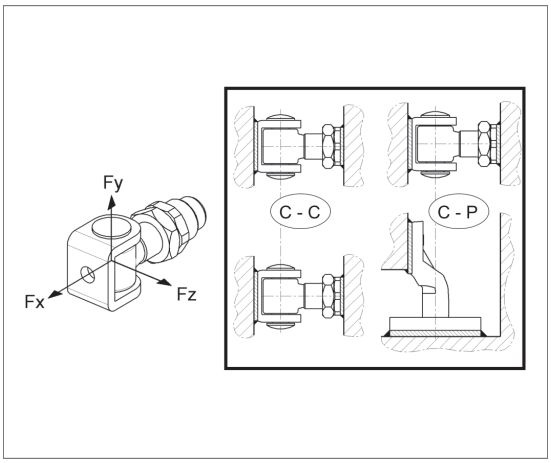
art. 376

U-bolt hinge w/bush to be welded





- Max forces applicable to the hinge:
- Fy(daN)=max vertical strength(COMPRESSION)
- Fx(daN)=max horizontal strength(TENSIL STRENGTH)
- Fz(daN)=max horizontal strength (WIND PULL)
- • Chart HINGE-PIN: the vertical strength generated by the door weight has unloaded to the bottom pin, the hinge opposes the horizontal forces generated by the weight and the pull of wind.
- • Chart HINGE-HINGE: the hinge opposes the vertical forces generated by the door weight and the horizontal forces generated by the weight.
- • Check that the leading structure is suitable to the strength transmitted by the door.

cod.	mm.	pz/pcs	A	B	C	ØD	ØE	L	sp	M	R	CH.2	Sche-ma C-P Fx (daN)	Sche-ma C-P Fz (daN)	Sche-ma C-C Fx (daN)	Sche-ma C-C Fy (daN)
376.16	M16	12	27	36	21	Ø12	Ø21	84	5	M16	52-73	Es.4	260	130	90	60
376.18	M18	12	30	41	21	Ø14	Ø25	92	6	M18	57-79	Es.5	300	130	120	90
376.20	M20	10	30	41	21	Ø14	Ø25	92	6	M20	57-79	Es.5	350	130	160	110
376.22	M22	6	35	48	25	Ø17	Ø27	96	6	M22	64-80	Es.6	380	250	160	110
376.24	M24	6	35	47	25	Ø17	Ø30	106	6	M24	66-90	Es.6	400	270	160	115
376.27	M27	6	35	47	25	Ø17	Ø35	102	6	M27	67-87	Es.6	400	270	160	115

Swing gates accessories

Galvanized steel components

The strengths indicated are valid only if the article is completed with all the original “COMBI ARIALDO” components and if it is not altered someway.
The legislations, according to the various areas of use, have to be considered in the step of project/design of the leaf/door.

• Components to weld
• The weld must be adequately sized to support the applied forces and with suitable electrode material.
• Adequately strengthen the areas anchoring the door and/ or structure / frame.

Lubricate all parts in contact with grease (every 6 months) . In case of anomalies, prevent the usage of the hinge and the installed product must be checked by professional personnel.

Responsibly dispose of the product and of its packaging respecting the local legislations of the Country of installation.

The company reserves the right to make technical as well as aesthetic changes without previous notice.
All responsibility due to an inappropriate use of the product is declined.
All drawings, photos, trademarks, logos, are of exclusive Combi Arialdo’s property. All uses not expressively authorized by the company will be prosecuted.

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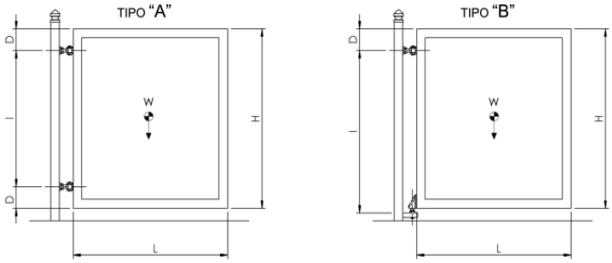
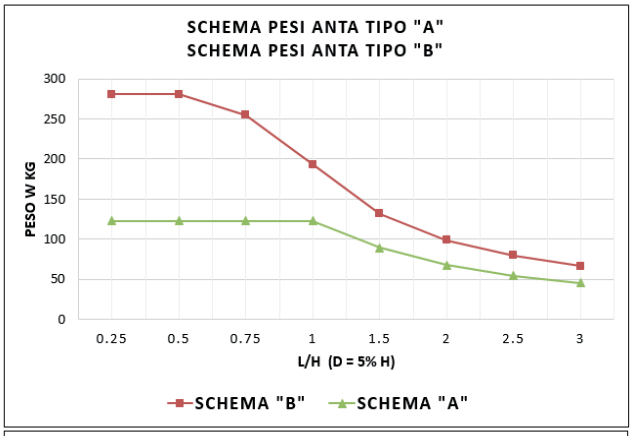
U-bolt hinge w/bush to be welded

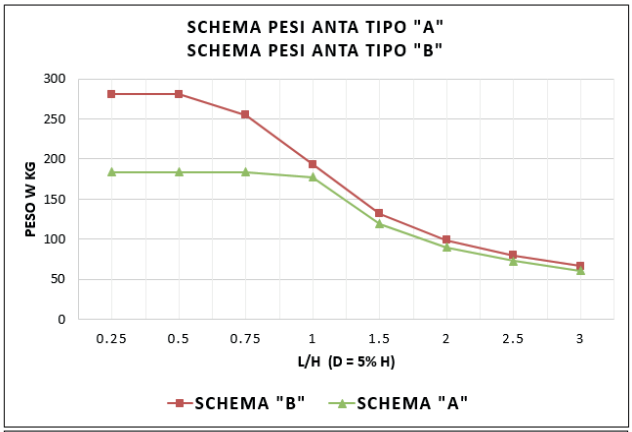


Art. 376.16 abbinamento 348.20/349.20



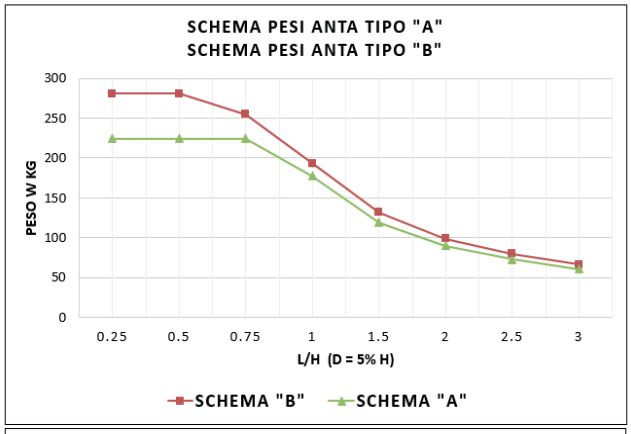
Riempimento / Leaf coverage 'A': 4 m² max
Riempimento / Leaf coverage 'B': 5.7 m² max
Classe del vento / Wind Class = 2 45 daN/m²

Art. 376.18 abbinamento 348.20/349.20



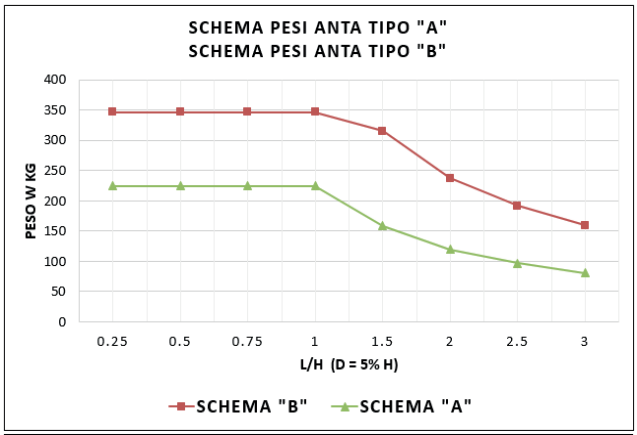
Riempimento / Leaf coverage 'A': 5.3 m² max
Riempimento / Leaf coverage 'B': 5.7 m² max
Classe del vento / Wind Class = 2 45 daN/m²

Art. 376.20 abbinamento 348.20/349.20



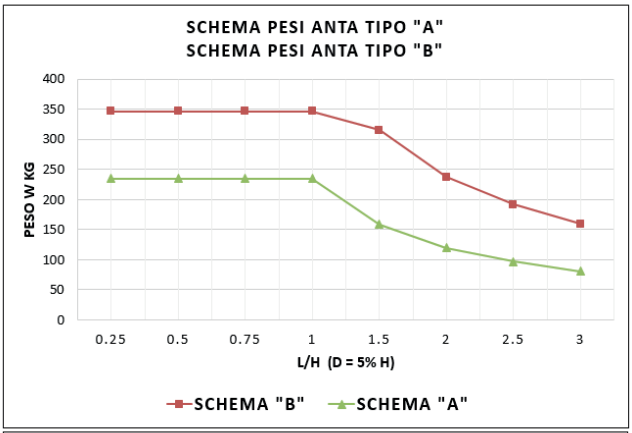
Riempimento / Leaf coverage 'A': 5.8 m² max
Riempimento / Leaf coverage 'B': 5.7 m² max
Classe del vento / Wind Class = 2 45 daN/m²

Art. 376.22 abbinamento 348.24/349.24



Riempimento / Leaf coverage 'A': 7.1 m² max
Riempimento / Leaf coverage 'B': 10.7 m² max
Classe del vento / Wind Class = 2 45 daN/m²

Art. 376.24 abbinamento 348.24/349.24



Riempimento / Leaf coverage 'A': 7.1 m² max
Riempimento / Leaf coverage 'B': 11.1 m² max
Classe del vento / Wind Class = 2 45 daN/m²

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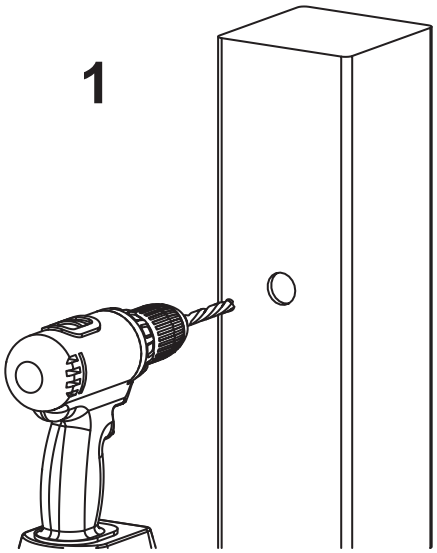
U-bolt hinge w/bush to be welded

1



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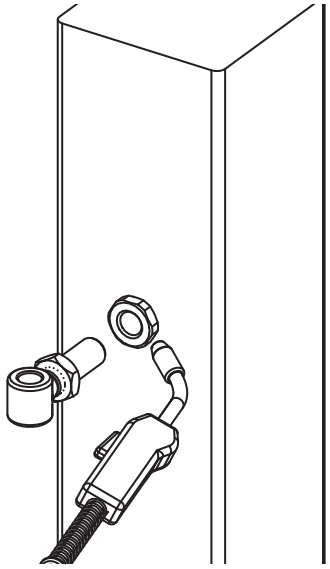

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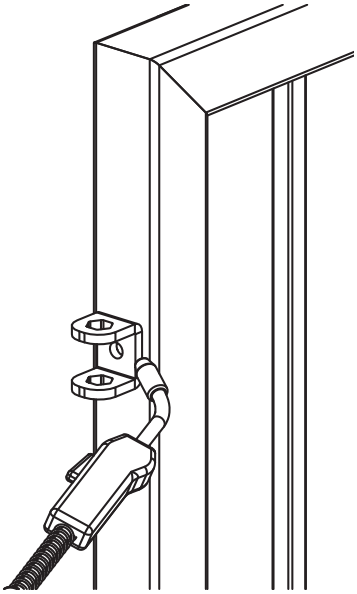

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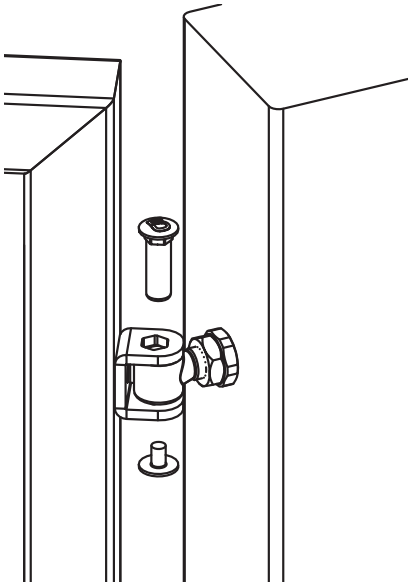
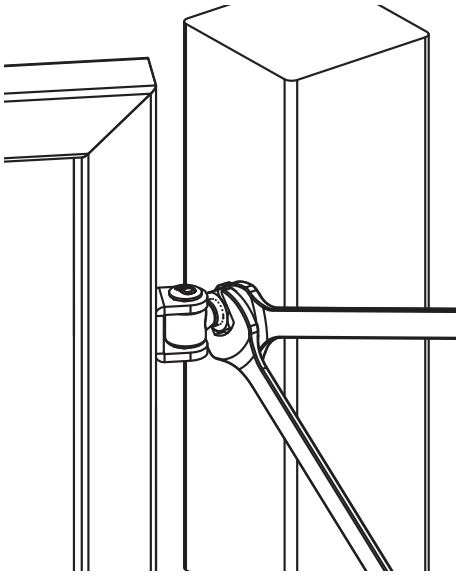
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