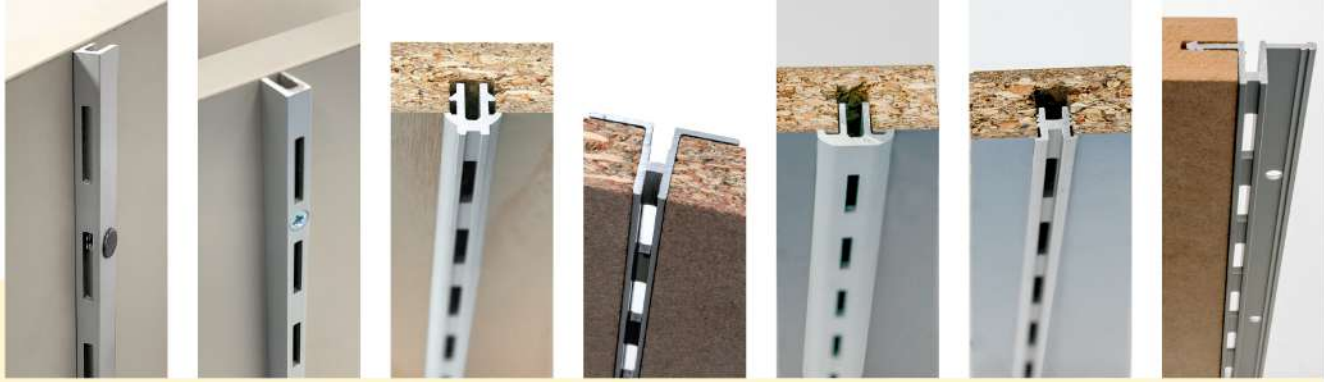
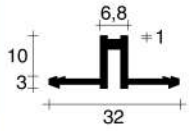
Serie CREMAGLIERE AD INCASSO

EMBEDDED Series

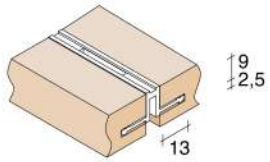


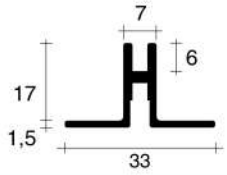
ELT **EFR** **HLE** **CF1** **RLE** **M7L** **M6L**

Inserimento laterale in fresata o tramite **foratura di fissaggio** con **passo 111 mm**
Side insertion into milled panel or through fixing holes with 111 mm drilling pitch

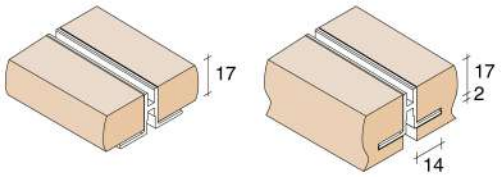


M6L.2013. ___	2013	**M6L**
M6L.2531. ___	2531	
M6L.3012. ___	3012	

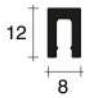




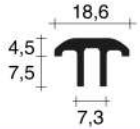
CF1.2849. ___	2849	**CF1**



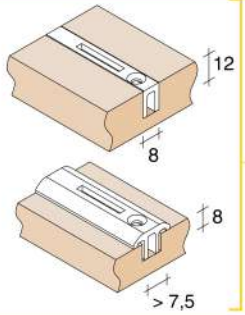
Incasso in fresata con vite a vista
Embedded on milling with visible frontal screw

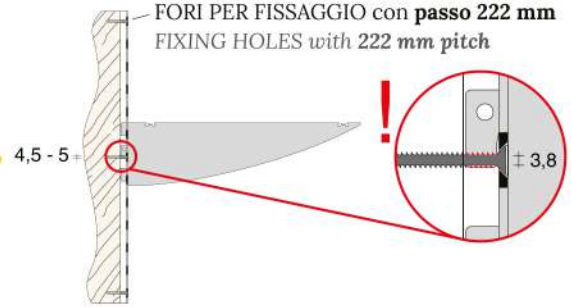


EFR.2013. ___	2013	**EFR**
EFR.3012. ___	3012	



RLE.2013. ___	2013	**RLE**
RLE.3012. ___	3012	



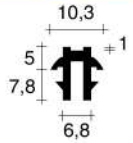


FORI PER FISSAGGIO con **passo 222 mm**
*FIXING HOLES with **222 mm pitch***

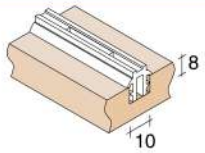
POSSIBILE INTERFERENZA
fra dente del supporto e vite per tassello. Per ovviare a tale problema asportare del materiale dal supporto.

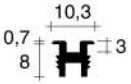
POSSIBLE INTERFERENCE
between support tooth and screw. To solve this problem it is necessary to file the support's tooth.

Inserimento frontale in fresata
Frontally embedded on milling

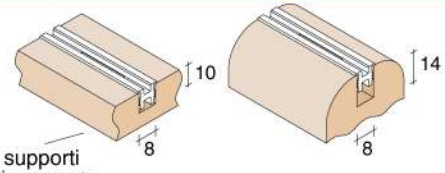


HLE.2013. ___	2013	**HLE**
HLE.3012. ___	3012	



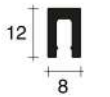


M7L.2013. ___	2013	**M7L**
M7L.3012. ___	3012	



solo mini supporti
only mini supports

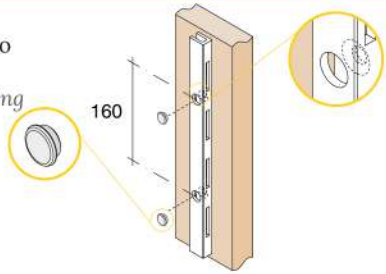
Appoggio laterale con vite a vista
Lateral support with visible screw



Codici *Codes*	AI	H	
ELT.3012. ___		3012	**ELT** singola *single*

Tappo esterno
di copertura del foro
Ø 7,2 mm
External hole covering cap Ø 7,2 mm

CAP.ELT9. ARG



Finiture *Finishings*	Alluminio *Aluminium*	AI		AI
Argento satinato *Satinized Silver*	NAT		Brillante *Brilliant*	LUX
Nero *Black*	ANE		Finitura inox *Inox finishing*	NOX*
Dorato satinato *Satinized gold*	ORO		Dorato lucido *Polished gold*	DOL*
Lucido Brillante *Bright*	SLX*			

codice *code*
XXX.XXXX.XXX*

Asterisco = la finitura potrebbe non essere in pronta consegna.
Asterisk = finishing not always ready in stock.

Finiture disponibili per profili **H** = 3012 mm
*Finishing available for profiles **H** = 3012 mm*

Quote espresse in millimetri.
Dimensions are in millimeters.

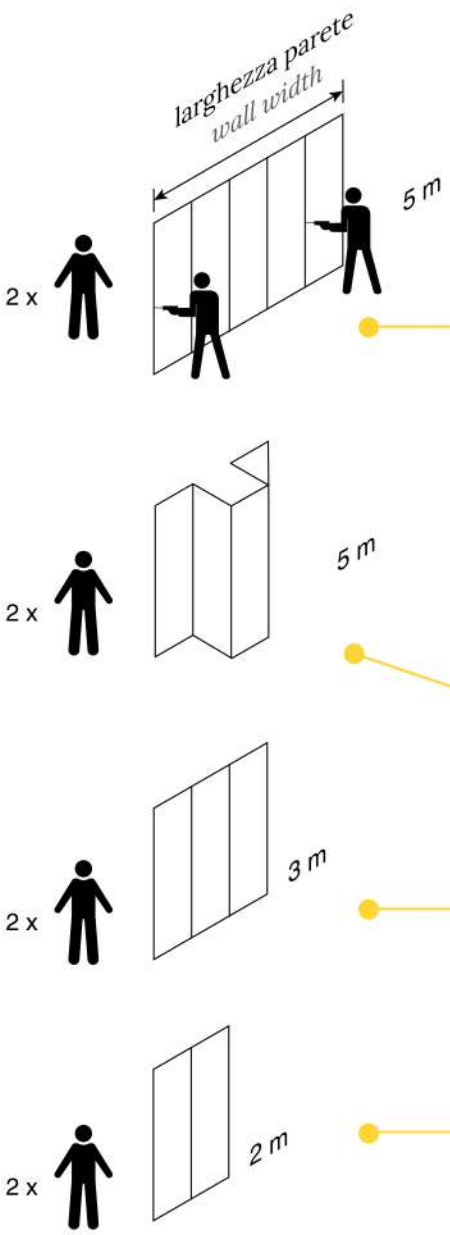
Accessori correlati
Related accessories

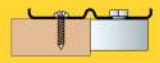
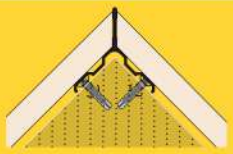
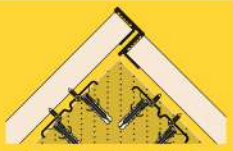
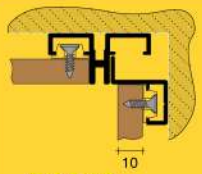
Tempi di montaggio

Assemby times

TABELLA COMPARATIVA

COMPARATIVE TABLE



Sistema NB *NB System*		PK	CG	CR
Cremagliere NB *Nb Slotted profiles*	 Rivestimento NB0 *NB0 wall cladding*			
1 h 30’	2 h 30’	6 h	8 h	6 h
 Angolo con NB9 *Angle with NB9*	 Rivestimento NB0 *NB0 wall cladding*	 PK-R19	-	Angolo con CR0 *Angle with CR0*
3 h	5 h	-	-	8 h
Cremagliere NB *Nb Slotted profiles*	Rivestimento NB0 *NB0 wall cladding*			
1 h	2 h	4 h	5 h	4 h
Cremagliere NB *Nb Slotted profiles*	Rivestimento NB0 *NB0 wall cladding*			
45 min	1 h 30’	3 h	4 h	3 h 30’

Quote espresse in millimetri.
Dimensions are in millimeters.

Accessori correlati
Related accessories

Note tecniche

Technical data

CAPACITÀ DI CARICO
LOADING CAPACITY

Durante l'utilizzo di profili porta-piani in alluminio **si tengano presenti i seguenti fattori**:

- STRATEGIA DI PRODUZIONE: la progettazione di ogni profilo, la scelta della lega e le fasi di produzione sono integrate per ottenere da ciascuno di essi la qualità e la tenuta stabilite. La mancanza di questo accorgimento è la ragione per cui le riproduzioni dei nostri prodotti non hanno le necessarie caratteristiche di portata.

- FISSAGGIO: i profili sono realizzati per superare la tenuta del tassello a muro (mediamente 350 kg in condizioni ottimali), quindi è fondamentale che l'ancoraggio a parete sia opportunamente eseguito, anche per mezzo di telai quando necessario.

- PROGETTAZIONE DELLE AMBIENTAZIONI: le indicazioni di questo catalogo e la professionalità dell'installatore o del progettista, determinano la selezione del giusto profilo e della sua applicazione, secondo le finalità. Sono disponibili svariate opzioni: tipo di foratura - singola o doppia - e montaggio, asse centrale o laterale, distanze ed interassi ed i loro conseguenti accessori.

Keep in mind these factors *during the use of aluminium profiles:*

- *PRODUCTION STRATEGY: The design of the different profile sections are decided in relation with the alloy choice and the manufacturing processes. It allows each item to reach the reference loading capacity. This is the main reason why replicated products, found sometimes in the market, do not reach the FitArt loading capacity characteristics.*

- *FIXING: Profiles are conceived in order to exceed the loading capacity of a 5 mm wall plug that reaches in average around 350 kg under normal operating conditions. It is very important to carry out the most suitable fixing to the wall, also using frames if necessary.*

- *PLANNING AND DESIGN OF THE STRUCTURE: The indications of this catalogue and the professional experience of a designer or an installer determine the choice of a right profile and its application. The different profiles options are available regarding: drilling types -single or double- and assembly, central or side load, distances and spans between profiles, and its related accessories.*

PROVE DI CARICO
LOADING TESTS

I nostri profili a cremagliera sono sottoposti a severe **prove distruttive con simulazioni in laboratorio**.
Le immagini e il grafico qui riprodotti mostrano un nostro profilo standard, caricato su un singolo dente, resistere fin oltre 400 kg.

Our slotted profiles are subjected to very severe ***destructive tests in laboratory simulations.***
The test here described shows a standard profile, with support loaded on a single tooth, standing over 400 kg.

Compressione cremagliera murale NB1
NB1 Wall slotted profile compression

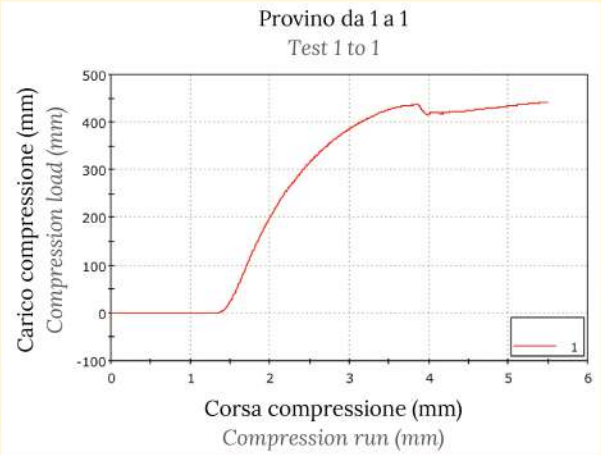
TABELLA DI DEFAULT
DEFAULT TABLE

Modo di controllo 1
Velocità 1
Corsa 1
5 mm/min

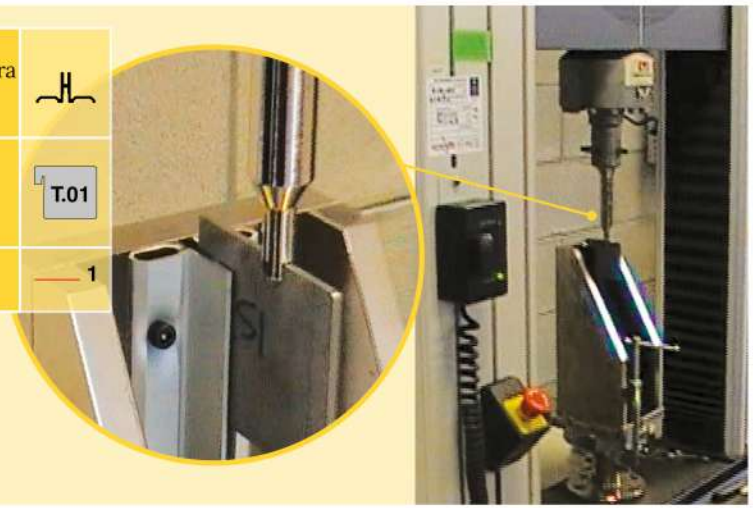
Control 1
Speed 1
Run 1
5 mm/min

Risultati
Results

	Etichetta provino *Label test*	Carico compressione *Compression load*
1	**T.01**	**> 438,819 [daN]**



Sezione cremagliera *Profile section*	
Supporto caricato *Support loaded*	T.01
Provino *Test*	1



Quote espresse in millimetri.
Dimensions are in millimeters.

Accessori correlati
Related accessories

Note tecniche

Technical data

Decliniamo ogni responsabilità per l'utilizzo dei nostri profili con supporti non di nostra produzione, e viceversa, in particolare se prodotti in acciaio inossidabile.

Fit Art disclaims any responsibility for the use of our profiles with supports not of our production, and vice versa, especially the ones realized in stainless steel.

SOLLECITAZIONI AL CARICO
LOADING REACTION

Un carico puntuale su un profilo a cremagliera produce gli stessi effetti di una leva di primo genere (palanchino): **aumentando la distanza dal fulcro (braccio della leva) aumenta proporzionalmente l'effetto della leva.**

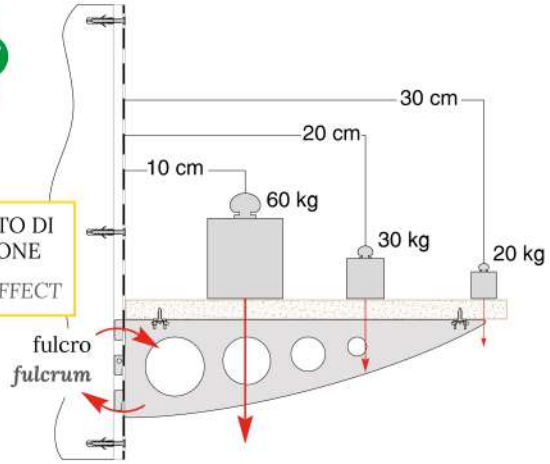
*The effect of a localized load on a slotted profile is similar to the action of a force applied to a lever (such as a crowbar): **with an increase of the distance (lever arm) from the fulcrum, the lever increases proportionally.***

Ipotesi di **comportamento lineare**
*Hypothesis of **linear behaviour***

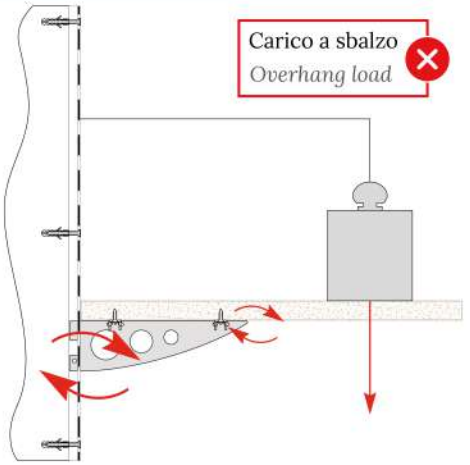
Carico interno al supporto
Inside support load

kg	cm
60	10
30	20
20	30

STESSO EFFETTO DI SOLLECITAZIONE
SAME STRESS EFFECT



Carichi a sbalzo: comportamento **non** lineare
***Overhang load**: **no more valid** linear behaviour*



CATEGORIE DI PORTATA
LOADING CATEGORIES

Poiché dai dati tecnici finora considerati **non si può assegnare alcuna portata nominale**.
A titolo puramente indicativo abbiamo suddiviso i profili in categorie di portata subordinate alle **sezioni** ed alla **disposizioni degli ancoraggi**.

*According to the technical data provided in these pages,it becomes very difficult to assign a nominal loading capacity in average conditions. Anyway the profiles can be divided into the following loading categories, considering the **section dimension** and how the **fixings are positioned.***

ALTA
HIGH

Profili
- con fissaggi doppi
- con tanti punti di ancoraggio
- inseriti all'interno di montanti

Profiles
- *with double fixings*
- *with many anchor points*
- *inserted into the uprights*

NB1 / NB2
LMK + HLE
CG1 / CG2
PK1 / PK2
RMC + TCN
RP1 / RP2
RDC + RD2
FDC + RD2

MEDIA
MEDIUM

Profili
- con fissaggi doppi con passo maggiore di 20 cm
- con fissaggi su un lato a meno di 20 cm di distanza

Profiles
- *with double fixings with more than 20 cm pitch*
- *with single side fixings at less than 20 cm distance*

NB7 / NB3
CR1 / CR2
CG7 / PK7

BASSA
LOW

Profili
- con fissaggi su un lato con passo maggiore di 20 cm
- CONCEPITI PER INCASSO con sezioni contenute

Profiles
- *with single side fixings at more than 20 cm*
- *profiles with restrained section*
  CONCEIVED TO BE EMBEDDED

CR7
serie ad incasso

CR7 embedded series

Quote espresse in millimetri.
Dimensions are in millimeters.

Accessori correlati
Related accessories