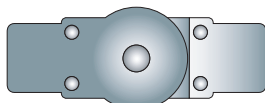
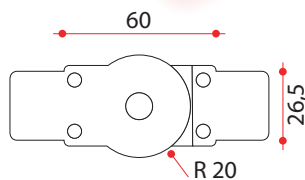


Cerniera / Hinge

EXTRA & EXTRA SUPER



**BREVETTATO
PATENTED**

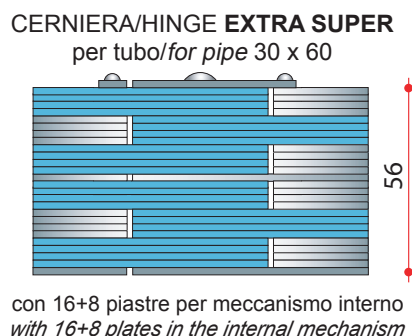
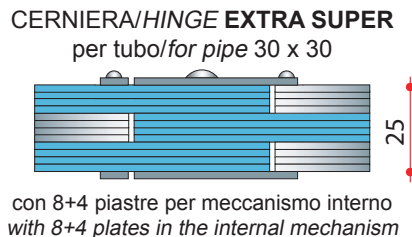
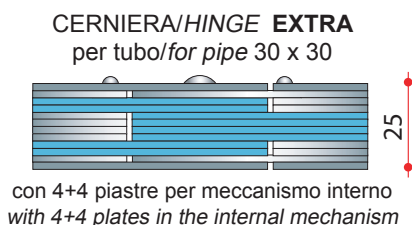
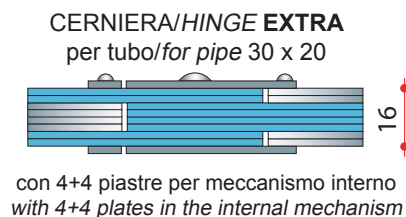


La serie **EXTRA** è la nuova risposta della Officina Meccanica Tornaghi alle esigenze di resistenza, compattezza e poco ingombro nel settore delle cerniere a scatto per divani da inserire nei tubi. Le cerniere **EXTRA** sono state studiate per sopportare grossi carichi e sono la soluzione ideale per chi ha bisogno di sicurezza di un prodotto di altissima qualità e che non si rompa alle sollecitazioni esterne. La struttura lamellare a doppio meccanismo interno in acciaio speciale al carbonio permette di avere una resistenza al carico e all'usura eccezionale. Queste cerniere sono state progettate per essere inserite in tubi di spessore 1,2 mm (max teorico 1,5 mm). Oltre ai modelli elencati, per fare fronte alle richieste particolari, sono state già sviluppate numerose varianti.

Alcune versioni delle cerniere **EXTRA** e **EXTRA SUPER** sono disponibili anche nelle versioni **INNO** e **INNO 2** adatte a realizzazioni dove non è possibile utilizzare direttamente l'innesto del tubo. Per ordinare queste particolari versioni è sufficiente aggiungere al codice scelto **INNO** o **INNO2**.

The **EXTRA** series is a new solution that the Officina Meccanica Tornaghi offers to meet needs for great resistance, compactness and small dimensions in the field of functional fittings to be mounted in the pipes of the sofa and bed frames. The **EXTRA** hinges have been designed to stand great workloads and are the ideal solution for those who seek safety ensured by a high quality product capable to resist external stress. The layered structure with double internal mechanism made of special carbonitrided steel allows to achieve a remarkable wear and tear resistance as well as load bearing capacity. These hinges have been designed to fit 1,2 mm (up to 1,5 mm) thick pipes. Besides the below listed models in order to meet particular needs, numerous versions have already been developed.

Some of the **EXTRA** and **EXTRA SUPER** hinges are also available in **INNO** and **INNO2** versions, suitable for solutions in which it is not possible to insert the hinge directly into the pipe. To order these particular versions it is enough to add **INNO** or **INNO2** to the selected product code.



INNO

CERNIERA/HINGE EXTRA
per tubo/for pipe 30 x 20

con 4+4 piastre/plates per meccanismo interno
internal mechanism

CERNIERA/HINGE EXTRA
per tubo/for pipe 30 x 30

con 4+4 piastre/plates per meccanismo interno
internal mechanism

CERNIERA/HINGE EXTRA SUPER
versione irrobustita
strengthened version
per tubo/for pipe 30 x 30

con 8+4 piastre/plates per meccanismo interno
internal mechanism

CERNIERA/HINGE EXTRA SUPER
versione irrobustita
strengthened version
per tubo/for pipe 30 x 60

con 16+8 piastre/plates per meccanismo interno
internal mechanism

**BREVETTATO
PATENTED**

INNO 2

CERNIERA/HINGE EXTRA
per tubo/for pipe 30 x 20

con 4+4 piastre/plates per meccanismo interno
internal mechanism

CERNIERA/HINGE EXTRA
per tubo/for pipe 30 x 30

con 4+4 piastre/plates per meccanismo interno
internal mechanism

CERNIERA/HINGE EXTRA SUPER
versione irrobustita
strengthened version
per tubo/for pipe 30 x 30

con 8+4 piastre/plates per meccanismo interno
internal mechanism

CERNIERA/HINGE EXTRA SUPER
versione irrobustita
strengthened version
per tubo/for pipe 30 x 60

con 16+8 piastre/plates per meccanismo interno
internal mechanism

**BREVETTATO
PATENTED**



Cerniera / Hinge

EXTRA & EXTRA SUPER

CATAS
centro ricerche e sviluppo
laboratorio prove settore legami-arrabi

CATAS S.p.A.
Inscr. Reg. Imprese Udine
nr. iscr. C.F. 01818850305
Reg. Imp. I/D 20663
P. IVA: 01818850305
C.Soc. € 1.003.650,00 i.c.

Sede: Via Amicis, 24/3
33048 S. Giovanni al Nat. UD
Tel. 0432.747250
Fax 039.464567
http://www.catas.com
e-mail: lab@catas.com

Filiale:
Via Braille, 5
20035 Lissone MB
Tel. 039.464567
Fax 039.464565
e-mail: fissone@catas.com

TEST REPORT
117833 / 1

Date received: 10-06-10
Date of test: 16-06-10
Date of issue: 17-06-10
Sample name: Cerniera EXTRA 30X30

OFFICINA MECCANICA TORNAGHI A. DI
TORNAGHI G.
VIA M. L. KING, 17
20050 CORREZZANA (MI)
ITALY

Flexural strength - Catas Procedure

Tube length: 200 mm
Cross section of tube: Square (30 x 30 mm)
Hinge setting: mid position
Test equipment: Instron Dynamometer mod. 5585
Test speed: 10 mm/min
Test conditions: 23±2°C
Sample preparation: Carried out by the customer
(tubes were welded on the hinge)

200 mm

Specimen n°	Maximum load N	Maximum moment Nm	Remarks
1	2.613	523	A loss of serviceability of the hinge has been noticed.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

pag. 1/1

CATAS
centro ricerche e sviluppo
laboratorio prove settore legami-arrabi

CATAS S.p.A.
Inscr. Reg. Imprese Udine
nr. iscr. C.F. 01818850305
Reg. Imp. I/D 20663
P. IVA: 01818850305
C.Soc. € 1.003.650,00 i.c.

Sede: Via Amicis, 24/3
33048 S. Giovanni al Nat. UD
Tel. 0432.747250
Fax 039.464567
http://www.catas.com
e-mail: lab@catas.com

Filiale:
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20035 Lissone MB
Tel. 039.464567
Fax 039.464565
e-mail: fissone@catas.com

TEST REPORT
117832 / 1

Date received: 10-06-10
Date of test: 16-06-10
Date of issue: 17-06-10
Sample name: Cerniera EXTRA SUPER

OFFICINA MECCANICA TORNAGHI A. DI
TORNAGHI G.
VIA M. L. KING, 17
20050 CORREZZANA (MI)
ITALY

Flexural strength - Catas Procedure

Tube length: 200 mm
Cross section of tube: Square (30 x 30 mm)
Hinge setting: mid position
Test equipment: Instron Dynamometer mod. 5585
Test speed: 10 mm/min
Test conditions: 23±2°C
Sample preparation: Carried out by the customer
(tubes were welded on the hinge)

200 mm

Specimen n°	Maximum load N	Maximum moment Nm	Remarks
1	3.932	786	A loss of serviceability of the hinge has been noticed.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise stated, sampling has been carried out by the orderer.

pag. 1/1



2 posizioni rovescio / 2 positions reverse

15° - 0° **Sgancio / Release**

Extra

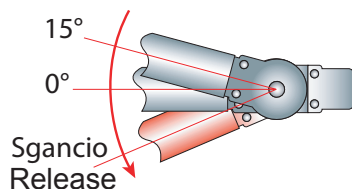
Cod. tubo/pipe 30 x 20: **AC52EXR**

Cod. tubo/pipe 30 x 30: **AC62EXR**

Extra Super

Cod. tubo/pipe 30 x 30: **AC62EXSUR**

Cod. tubo/pipe 30 x 60: **AC92EXSUR**



3 posizioni dritto / 3 positions straight

0° 15° 30° **Sgancio / Release**

Extra

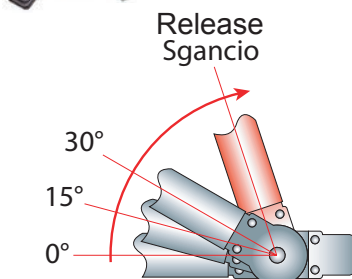
Cod. tubo/pipe 30 x 20: **AC53EX**

Cod. tubo/pipe 30 x 30: **AC63EX**

Extra Super

Cod. tubo/pipe 30 x 30: **AC63EXSU**

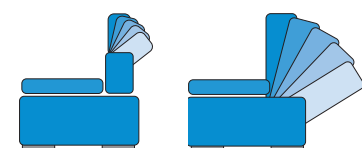
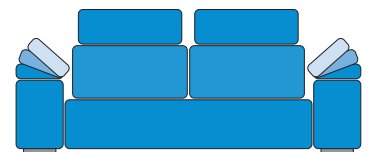
Cod. tubo/pipe 30 x 60: **AC93EXSU**



Questi prodotti sono utilizzabili per
BRACCIOLI, POGGIATESTA
e SCHIENALI

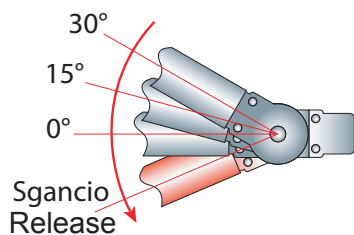
These products can be used for
ARMRESTS, HEADRESTS and
BACKRESTS

Esempi di applicazione
Example of use



Cerniera / Hinge

EXTRA & EXTRA SUPER



3 posizioni rovescio / 3 positions reverse

30° 15° 0° **Sgancio / Release**

Extra

Cod. tubo/pipe 30 x 20: **AC53EXR**

Cod. tubo/pipe 30 x 30: **AC63EXR**

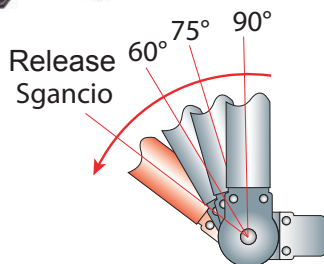
Extra Super

Cod. tubo/pipe 30 x 30: **AC63EXSUR**

Cod. tubo/pipe 30 x 60: **AC93EXSUR**

Questi prodotti sono utilizzabili per
BRACCIOLI, POGGIATESTA
e SCHIENALI

*These products can be used for
ARMRESTS, HEADRESTS and
BACKRESTS*



3 posizioni rovescio 90° / 3 positions reverse 90°

90° 75° 60° **Sgancio / Release**

Extra

Cod. tubo/pipe 30 x 20: **AC53EXR90**

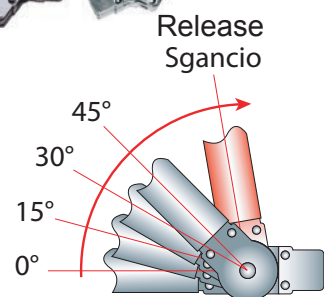
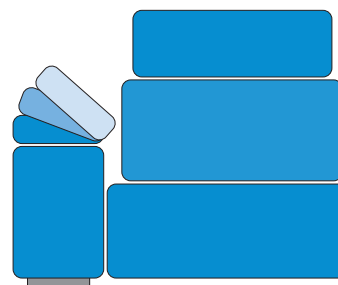
Cod. tubo/pipe 30 x 30: **AC63EXR90**

Extra Super

Cod. tubo/pipe 30 x 30: **AC63EXSUR90**

Cod. tubo/pipe 30 x 60: **AC93EXSUR90**

Esempi di applicazione
Example of use



4 posizioni dritto / 4 positions straight

0° 15° 30° 45° **Sgancio / Release**

Extra

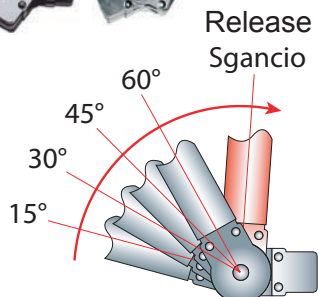
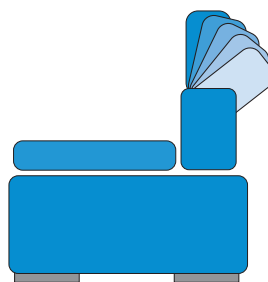
Cod. tubo/pipe 30 x 20: **AC54EX**

Cod. tubo/pipe 30 x 30: **AC64EX**

Extra Super

Cod. tubo/pipe 30 x 30: **AC64EXSU**

Cod. tubo/pipe 30 x 60: **AC94EXSU**



4 posizioni dritto 15° / 4 positions straight 15°

15° 30° 45° 60° **Sgancio / Release**

Extra

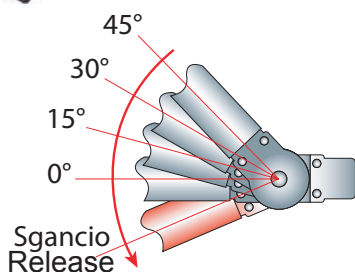
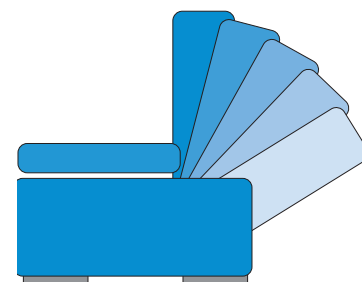
Cod. tubo/pipe 30 x 20: **AC5415EX**

Cod. tubo/pipe 30 x 30: **AC6415EX**

Extra Super

Cod. tubo/pipe 30 x 30: **AC6415EXSU**

Cod. tubo/pipe 30 x 60: **AC9415EXSU**



4 posizioni rovescio / 4 positions reverse

45° 30° 15° 0° **Sgancio / Release**

Extra

Cod. tubo/pipe 30 x 20: **AC54EXR**

Cod. tubo/pipe 30 x 30: **AC64EXR**

Extra Super

Cod. tubo/pipe 30 x 30: **AC64EXSUR**

Cod. tubo/pipe 30 x 60: **AC94EXSUR**



Cerniera / Hinge

EXTRA & EXTRA SUPER



4 posizioni rovescio 90° / 4 positions reverse 90°

90° 75° 60° 45° Sgancio / Release

Extra

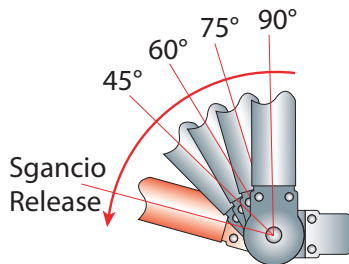
Cod. tubo/pipe 30 x 20: **AC54EXR90**

Cod. tubo/pipe 30 x 30: **AC64EXR90**

Extra Super

Cod. tubo/pipe 30 x 30: **AC64EXSUR90**

Cod. tubo/pipe 30 x 60: **AC94EXSUR90**



5 posizioni dritto / 5 positions straight

0° 15° 30° 45° 60° Sgancio / Release

Extra

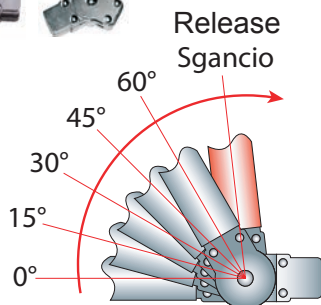
Cod. tubo/pipe 30 x 20: **AC55EX**

Cod. tubo/pipe 30 x 30: **AC65EX**

Extra Super

Cod. tubo/pipe 30 x 30: **AC65EXSU**

Cod. tubo/pipe 30 x 60: **AC95EXSU**



5 posizioni rovescio / 5 positions reverse

60° 45° 30° 15° 0° Sgancio / Release

Extra

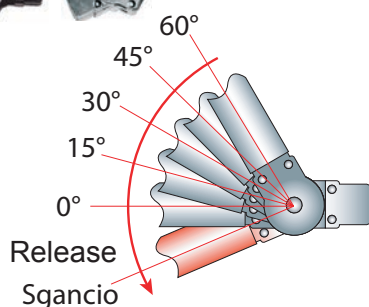
Cod. tubo/pipe 30 x 20: **AC55EXR**

Cod. tubo/pipe 30 x 30: **AC65EXR**

Extra Super

Cod. tubo/pipe 30 x 30: **AC65EXSUR**

Cod. tubo/pipe 30 x 60: **AC95EXSUR**



5 posizioni rovescio 90° / 5 positions reverse 90°

90° 75° 60° 45° 30° Sgancio / Release

Extra

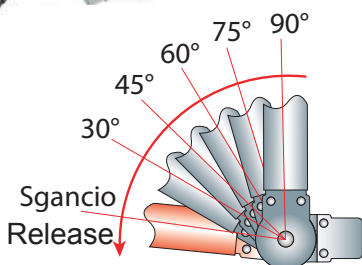
Cod. tubo/pipe 30 x 20: **AC55EXR90**

Cod. tubo/pipe 30 x 30: **AC65EXR90**

Extra Super

Cod. tubo/pipe 30 x 30: **AC65EXSUR90**

Cod. tubo/pipe 30 x 60: **AC95EXSUR90**



6 posizioni dritto / 6 positions straight

0° 15° 30° 45° 60° 75° Sgancio / Release

Extra

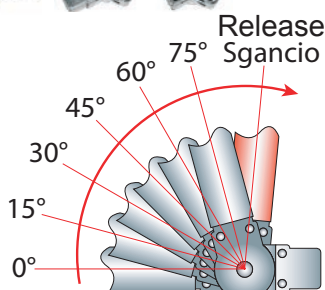
Cod. tubo/pipe 30 x 20: **AC56EX**

Cod. tubo/pipe 30 x 30: **AC66EX**

Extra Super

Cod. tubo/pipe 30 x 30: **AC66EXSU**

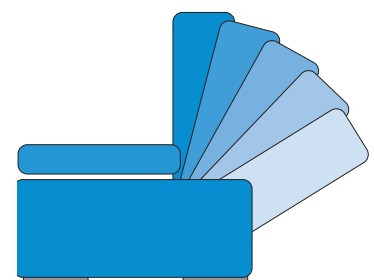
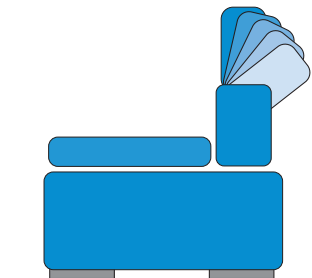
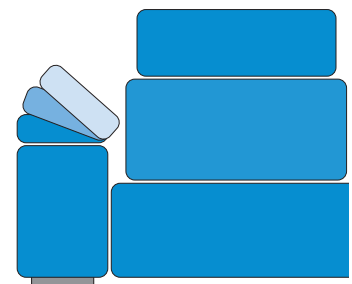
Cod. tubo/pipe 30 x 60: **AC96EXSU**



Questi prodotti sono utilizzabili per
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e SCHIENALI

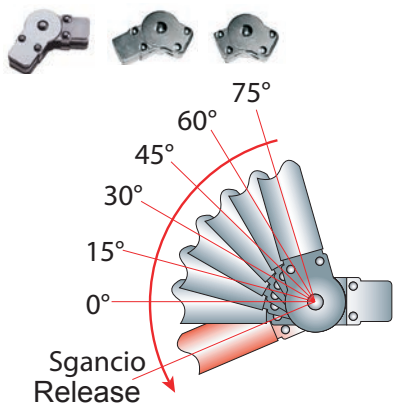
*These products can be used for
ARMRESTS, HEADRESTS and
BACKRESTS*

Esempi di applicazione
Example of use



Cerniera / Hinge

EXTRA & EXTRA SUPER



6 posizioni rovescio / 6 positions reverse
75° 60° 45° 30° 15° 0° **Sgancio / Release**

Extra

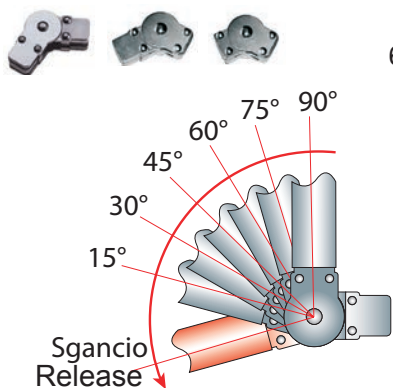
Cod. tubo/pipe 30 x 20: **AC56EXR**

Cod. tubo/pipe 30 x 30: **AC66EXR**

Extra Super

Cod. tubo/pipe 30 x 30: **AC66EXSUR**

Cod. tubo/pipe 30 x 60: **AC96EXSUR**



6 posizioni rovescio 90° / 6 positions reverse 90°
90° 75° 60° 45° 30° 15° **Sgancio / Release**

Extra

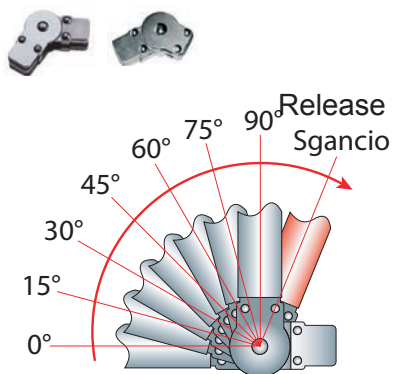
Cod. tubo/pipe 30 x 20: **AC56EXR90**

Cod. tubo/pipe 30 x 30: **AC66EXR90**

Extra Super

Cod. tubo/pipe 30 x 30: **AC66EXSUR90**

Cod. tubo/pipe 30 x 60: **AC96EXSUR90**



7 posizioni dritto / 7 positions straight
0° 15° 30° 45° 60° 75° 90° **Sgancio / Release**

Extra

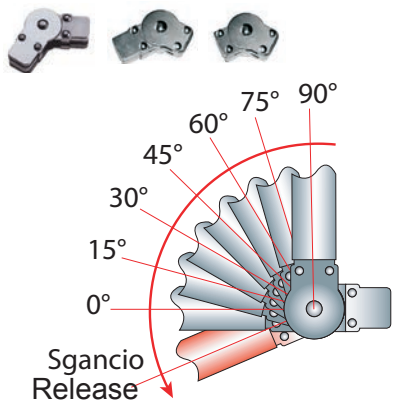
Cod. tubo/pipe 30 x 20: **AC57EX**

Cod. tubo/pipe 30 x 30: **AC67EX**

Extra Super

Cod. tubo/pipe 30 x 30: **AC67EXSU**

Cod. tubo/pipe 30 x 60: **AC97EXSU**



7 posizioni rovescio / 7 positions reverse
90° 75° 60° 45° 30° 15° 0° **Sgancio / Release**

Extra

Cod. tubo/pipe 30 x 20: **AC57EXR**

Cod. tubo/pipe 30 x 30: **AC67EXR**

Extra Super

Cod. tubo/pipe 30 x 30: **AC67EXSUR**

Cod. tubo/pipe 30 x 60: **AC97EXSUR**

Questi prodotti sono utilizzabili per
BRACCIOLI, POGGIATESTA
e SCHIENALI

*These products can be used for
ARMRESTS, HEADRESTS and
BACKRESTS*

Esempi di applicazione
Example of use

