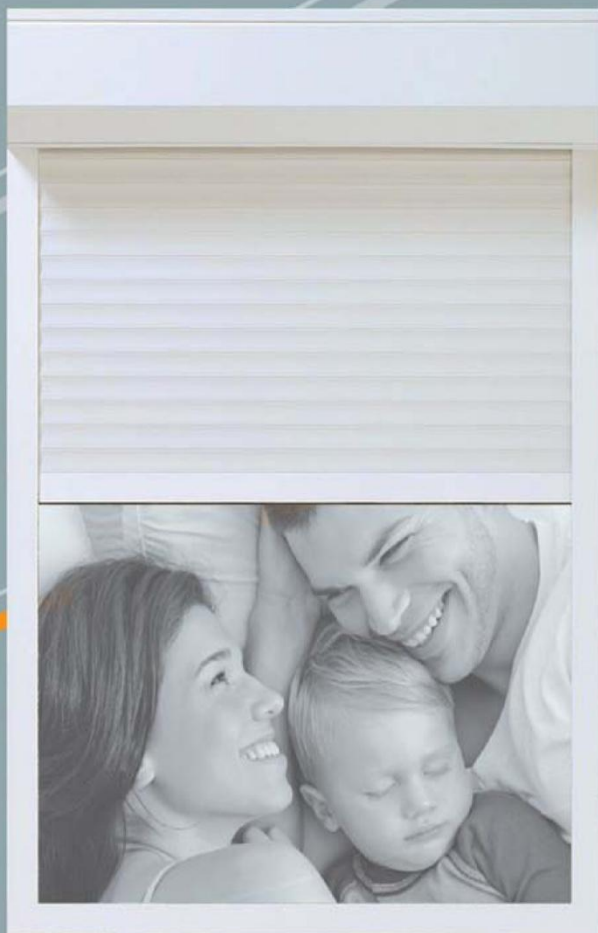




TAPPARELLE DI SICUREZZA SECURITY ROLLING SHUTTERS VOILETS ROULANTS DE SECURITE

general catalogue

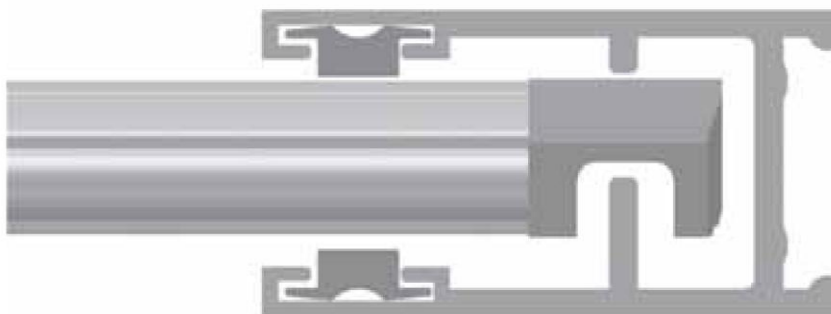
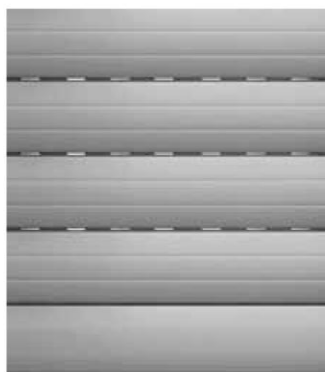


INVESTIRE IN SICUREZZA
INVEST WITH A FEELING OF SAFENESS
INVESTIR EN SECURITE





TAPPARELLE DI SICUREZZA SECURITY ROLLING SHUTTERS VOILETS ROULANTS DE SECURITE



PDS (FZE)
Tel: +971 655 788 60
Fax: +971 655 788 14
URL: www.pds.ae
Email: info@pds.ae
P.O. Box: 122830, Sharjah, U.A.E.





CSI

CERTIFICATO DI ESAME DI TIPO

CERTIFICATE of TYPE EXAMINATION

Registrazione n.° DE/2483/08

Registration number

l'Istituto di Certificazione CSI S.p.A.

The Certification Body CSI S.p.A.

dichiara che la Società/declare that the Company

SIPAR Srl

Via Saletti, 5 - 25050 PIAN CAMUNO (BS)

Ha eseguito sulla campionatura denominata/ Has performed on the specimens named

TAPPARELLE AVVOLGIBILI IN ACCIAIO COIBENTATO

Insulated iron roller shutters

TAPPARELLE AVVOLGIBILI IN ALLUMINIO COIBENTATO

Insulated aluminium roller shutters

***TAPPARELLE AVVOLGIBILI IN ALLUMINIO ESTRUSO
NON COIBENTATO***

Non insulated aluminium roller shutters

**Le prove di Tipo (ITT) secondo la norma EN 13659:2004, in conformità al punto 4 richiamato
nell'allegato ZA della norma stessa**

***For Initial Type-Examination according to the EN 13659:2004 and to test in compliance with the point 4 of EN
13659:2004***

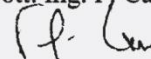
Data emissione/issue date 23/06/2008
Data scadenza/expiring date 22/06/2013

GRUPPO
IMQ

Il Responsabile del Centro

Managing Director

Dott. Ing. P. Cau



DISEGNO / DRAWING / DESSIN
DESCRIZIONE / DESCRIPTION / DESCRIPTION
TIPOLOGIA
TIPOLOGIE
TIPOLOGIE
IMB
BOX
CONF
CODICE / ART / REFERENCE
SERIE
MISURE
MESURE
COLORE
COULEURS

T39

PROFILO CURVO MINI IN ALLUMINIO CON POLIURETANO ESPANSO

Dimensioni: mm. 9 x 39
Asolatura: mm. 15
Peso al mq: kg. 2,7 c.a
N. Profili per 1 mt di H: 25 senza terminale
Max impiego consigliato: Larghezza mtl 2,5
Altezza mtl 2,5
Densità poliuretano: 60 kg./m³

MINI ALUMINIUM PROFILE WITH POLYURETHANE FOAM

Dimensions: mm 9 x 39
Hole: mm 15
Weight for sq. metre kg. 2,7 aprox
N. Slats for metre in H: 25 without end slat
Max dimension in use: Width mtl 2,5
Height: mtl 2,5
Polyurethane density: 60 kg./m³

PROFILE MINI COURVE EN ALUMINIUM AVEC POLYURETHANE DILATE

Dimensions: 9 x 39 mm
Trou: 15 mm
Poids au mq: 2,7 kg. env.
N. de lames pour 1 mt de H: 25 sans lame finale
Dimension max conseillée: Largeur 2,5 mtl
Hauteur 2,5 mtl
Densité do polyuréthane: 60 kg./m³

BARRE
BARS
BARRE
L = mt 6

mtl 330

T39

650

**

BARRE
BARS
BARRE
L = mt 5,8

mtl 319

T45

PROFILO CURVO IN ALLUMINIO CON POLIURETANO ESPANSO

Dimensioni: mm. 9,5 x 45
Asolatura: mm. 17,5
Peso al mq: kg. 3,5 c.a
N. Profili per 1 mt di H: 21 senza terminale
Max impiego consigliato: Larghezza mtl 3,0
Altezza mtl 2,5
Densità poliuretano: 60 kg./m³

ALUMINIUM PROFILE WITH POLYURETHANE FOAM

Dimensions: mm 9,5 x 45
Hole: mm 17,5
Weight for sq. metre: kg. 3,5 aprox
N. Slats for metre in H: 21 without end slat
Max dimension in use: Width mtl 3,0
Height: mtl 2,5
Polyurethane density: 60 kg./m³

PROFILE COURVE EN ALUMINIUM AVEC POLYURETHANE DILATE

Dimensions: 9,5 x 45 mm
Trou: 17,5 mm
Poids au mq: 3,5 kg. env.
N. de lames pour 1 mt de H: 21 sans lame finale
Dimension max conseillée: Largeur 3,0 mtl
Hauteur 2,5 mtl
Densité do polyuréthane: 60 kg./m³

BARRE
BARS
BARRE
L = mt 6

mtl 330

T45

650

**

BARRE
BARS
BARRE
L = mt 5,8

mtl 319

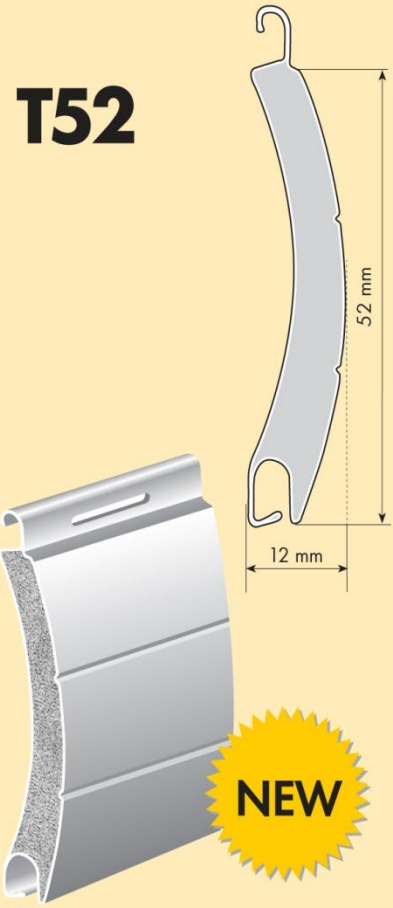
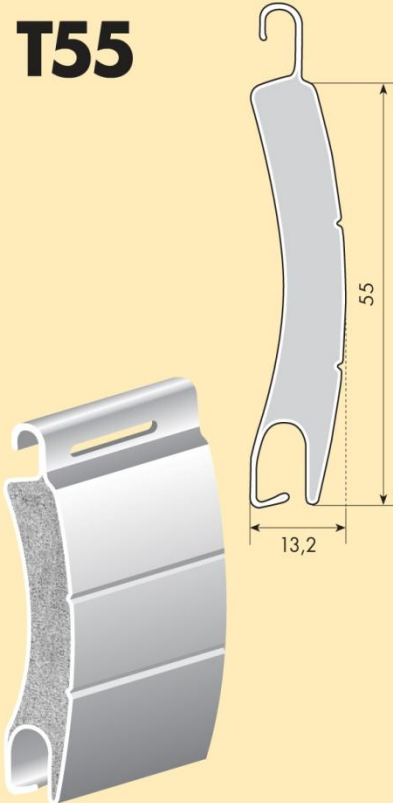
TELI
SHUTTER
SQ.MT.
VOLET

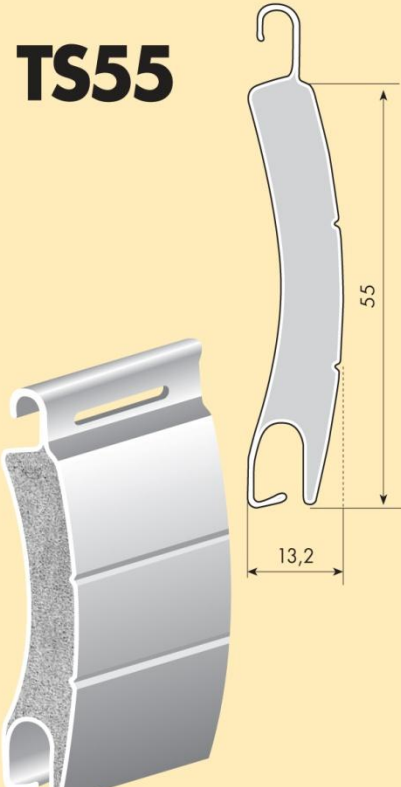
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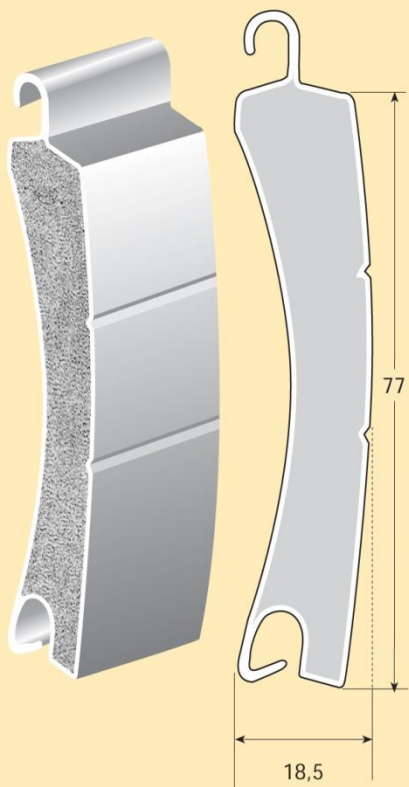
T45

222

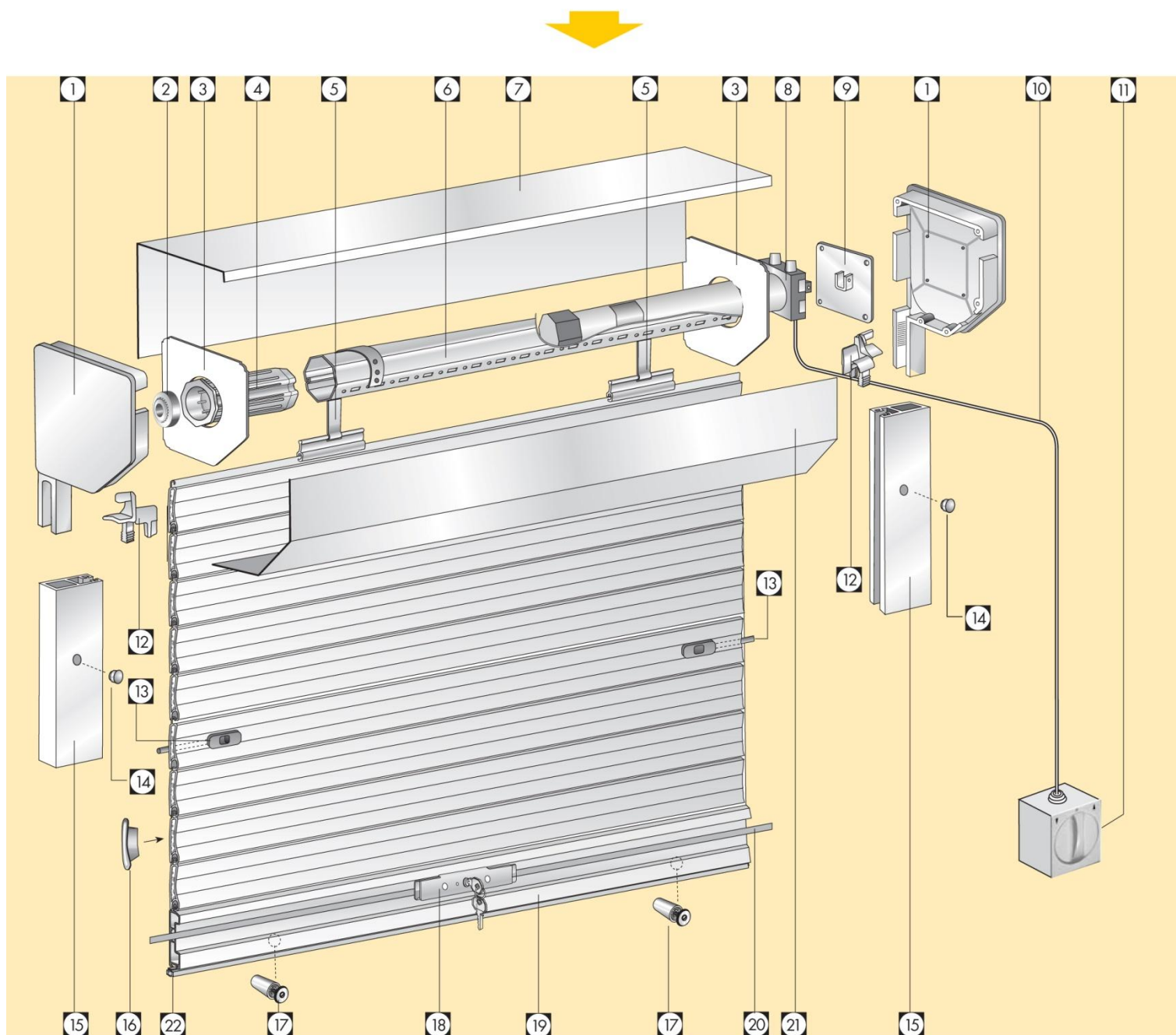
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DISEGNO / DRAWING / DESSIN	DESCRIZIONE / DESCRIPTION / DESCRIPTION	TIPOLOGIA TIPOLOGIE TIPOLOGIE	IMB BOX CONF	CODICE / ART / REFERENCE		
				SERIE	MISURE MESURE	COLORE COULEURS
T52 	PROFILO CURVO IN ALLUMINIO CON POLIURETANO ESPANSO Dimensioni: mm. 12 x 52 Peso al mq: kg. 3,5 c.a N. Profili per 1 mt di H: 19 senza terminale Max impiego consigliato: Larghezza mtl 3,8 Altezza mtl 2,6 ALUMINIUM PROFILE WITH POLYURETHANE FOAM Dimensions: mm 12 x 52 Weight for sq. metre: kg. 3,5 aprox N. Slats for metre in H: 19 without end slat Max dimension in use: Width mtl 3,8 Height: mtl 2,6 PROFILE COURVE EN ALUMINIUM AVEC POLYURETHANE DILATE Dimensions: 12 x 52 mm Poids au mq: 3,5 kg. env. N. de lames pour 1 mt de H: 19 sans lame finale Dimension max conseillée: Largeur 3,8 mtl Hauteur 2,6 mtl	BARRE BARS BARRE L = mt 6	mtl 192	T52	650	**
		BARRE BARS BARRE L = mt 5,8	mtl 185,6			
		TELI SHUTTER SQ.MT. VOLET	—	T52	222	**
T55 	PROFILO CURVO IN ALLUMINIO CON POLIURETANO ESPANSO Dimensioni: mm. 13,2 x 55 Asolatura: mm. 17,4 Peso al mq: kg. 3,6 c.a N. Profili per 1 mt di H: 18 senza terminale Max impiego consigliato: Larghezza mtl 4,0 Altezza mtl 2,6 Densità poliuretano: 50 kg./m ³ ALUMINIUM PROFILE WITH POLYURETHANE FOAM Dimensions: mm 13,2 X 55 Hole: mm 17,4 Weight for sq. metre: kg. 3,6 aprox N. Slats for metre in H: 18 without end slat Max dimension in use: Width mtl 4,0 Height: mtl 2,6 Polyurethane density: 50 kg./m ³ PROFILE COURVE EN ALUMINIUM AVEC POLYURETHANE DILATE Dimensions: 13,2 x 55 mm Trou: 17,4 mm Poids au mq: 3,6 kg. env. N. de lames pour 1 mt de H: 18 sans lame finale Dimension max conseillée: Largeur 4,0 mtl Hauteur 2,6 mtl Densité do polyuréthane: 50 kg./m ³	BARRE BARS BARRE L = mt 6,5	mtl 156	T55	650	**
		BARRE BARS BARRE L = mt 5,8	mtl 162,4			
		TELI SHUTTER VOLET SQ.MT.		T55	222	**

DISEGNO / DRAWING / DESSIN			DESCRIZIONE / DESCRIPTION / DESCRIPTION			TIPOLOGIA TIPOLOGIE TIPOLOGIE	IMB BOX CONF	CODICE / ART / REFERENCE		
								SERIE	MISURE MESURE	COLORE COULEURS
TS55 			PROFILO CURVO IN ACCIAIO CON POLIURETANO ESPANSO Dimensioni: mm. 13,2 x 55 Asolatura: mm. 17,5 Peso al mq: kg. 9,5 c.a N. Profili per 1 mt di H: 18 senza terminale Max impiego consigliato: Larghezza mtl 4,0 Altezza mtl 2,6 Densità poliuretano: 50 kg./m ³ STEEL PROFILE WITH POLYURETHANE FOAM Dimensions: mm 13,2 x 55 Hole: mm 17,5 Weight for sq. metre: kg. 9,5 aprox including the end slat N. Slats for metre in H: 18 without end slat Max dimension in use: Width mtl 4,0 Height: mtl 2,6 Polyurethane density: 50 kg./m ³ PROFILE COURVE EN ACIER AVEC POLYURETHANE DILATE Dimensions: 13,2 x 55 mm Trou: 17,5 mm Poids au mq: 9,5 kg. env. compris de lame finale N. de lames pour 1 mt de H: 18 sans lame finale Dimension max conseillée: Largeur 4,0 mtl Hauteur 2,6 mtl Densité do polyuréthane: 50 kg./m ³			BARRE BARS BARRE L = mt 6,5	mtl 65	TS55	650	**
						BARRE BARS BARRE L = mt 5,8	mtl 58			
						TELI SHUTTER VOLET SQ.MT.	—	TS55	222	**
T56 ALTA DENSITÀ FOAM DENSITY HAUTE DENSITE 300 kg./m ³ 			PROFILO CURVO IN ALLUMINIO CON POLIURETANO ESPANSO ALTA DENSITÀ Dimensioni: mm. 13,2 x 55 Asolatura: mm. 17,4 Peso al mq: kg. 5,5 c.a N. Profili per 1 mt di H: 18 senza terminale Max impiego consigliato: Larghezza mtl 4,5 Altezza mtl 3,0 Densità poliuretano: 300 kg./m ³ ALUMINIUM PROFILE WITH POLYURETHANE FOAM DENSITY Dimensions: mm 13,2 X 55 Hole: mm 17,4 Weight for sq. metre: kg. 6,5 aprox without the end slate N. Slats for metre in H: 18 without end slat Max dimension in use: Width mtl 4,5 Height: mtl 3,0 Polyurethane density: 300 kg./m ³ PROFILE COURVE EN ALUMINIUM AVEC POLYURETHANE HAUTE DENSITE Dimensions: 13,2 x 55 mm Trou: 17,4 mm Poids au mq: 4,2 kg. env. sans lame finale N. de lames pour 1 mt de H: 18 sans lame finale Dimension max conseillée: Largeur 4,5 mtl Hauteur 3,0 mtl Densité do polyuréthane: 300 kg./m ³			BARRE BARS BARRE L = mt 6,5	mtl 156	T56	650	**
						BARRE BARS BARRE L = mt 5,8	mtl 189,2			
						TELI SHUTTER VOLET SQ.MT.		T56	222	**

DISEGNO / DRAWING / DESSIN	DESCRIZIONE / DESCRIPTION / DESCRIPTION	TIPOLOGIA TIPOLOGIE TIPOLOGIE	IMB BOX CONF	CODICE / ART / REFERENCE		
				SERIE	MISURE MESURE	COLORE COULEURS
T77 	PROFILO CURVO IN ACCIAIO CON POLIURETANO ESPANSO Dimensioni: mm. 18,5x77 Asolatura: kg. 5,5 c.a. N. Profili per 1 mt di H: 12 senza terminale Max impiego consigliato: Larghezza mtl 5,0 Altezza mtl 2,6 STEEL PROFILE WITH POLYURETHANE FOAM Dimensions: mm. 18,5x77 Hole: kg. 5,5 aprox Weight for sq. metre: 12 without end slat N. Slats for metre in H: Width mtl 5,0 Max dimension in use: Height: mtl 2,6 PROFILE COURVE EN ACIER AVEC POLYURETHANE DILATE Dimensions: 18,5 x 77 mm Trou: 5,5 kg. env. Poids au mq: 12 sans lame finale N. de lames pour 1 mt de H: Largeur 5,0 mtl Dimension max conseillée: Hauteur 2,6 mtl	BARRE BARS BARRE L = mtl 6	mtl 60	T77	650	* *
		TELI SHUTTER VOLET SQ.MT.	—	T77	222	* *

SCHEMA DI ASSEMBLAGGIO / ASSEMBLING SCHEME / SCHEMA D'ASSEMBLAGE MANOVRA ELETTRICA / ELECTRIC CONTROL / CONTROLE ELECTRIQUE



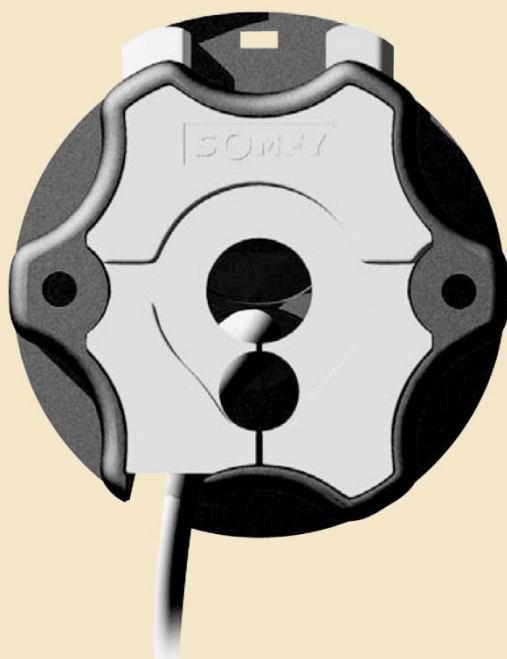
- | | | |
|--|---|---|
| 1 FIANCO • SIDE CAP
CONSOLE | 9 PIASTRA MOTORE • MOTOR SUPPORT PLATE
PLAQUE MOTEUR | 17 TAPPO CONICO • PLASTIC STOPPER
BOUCHON CONIQUE |
| 2 CUSCINETTO • BALL BEARING
ROULEMENT A BILLE | 10 CAVO ALIMENTAZIONE
SUPPLYING WIRE • CABLE D'ALIMENTATION | 18 SERRATURA • LOCK
SERRURE |
| 3 FLANGIA DI CONTENIMENTO
SAFETY PLATE • CONTREPLAQUE | 11 INTERRUPTORE
SWITCH • INTERRUPTEUR | 19 TERMINALE ESTRUSO • EXTRUDED END SLAT
LAME FINALE EXTRUDE |
| 4 CALOTTA • CAP
EMBOUT | 12 TERMINALE PER GUIDA
ENTRY GUIDE • TULIPE POUR COULISSE | 20 BARRA DI CHIUSURA • LOCK PLATE
BARRA DE FERMETURE |
| 5 MOLLA • SPRING
RESSORT | 13 CATENACCIO INTERMEDIO
INTERMEDIATE LATCH • VERROU INTERMEDIAIRE | 21 CASSONETTO • BOX
COFFRE |
| 6 RULLO • ROLL
AXE | 14 TAPPO COPERTURA FORI • HOLE COVERING PLUG
BOUCHON DE COUVERTURE | 22 GUARNIZIONE • GASKET
JOINT |
| 7 CASSONETTO
BOX • COFFRE | 15 GUIDA • GUIDE
COULISSE | |
| 8 MOTORE • MOTOR
MOTEUR | 16 TAPPO ARRESTO LATERALE • LATERAL PLUG
BOUCHON LATERAL | |

LT 60 Motors

Standard range

230 V / 50 Hz

Tubular motors range

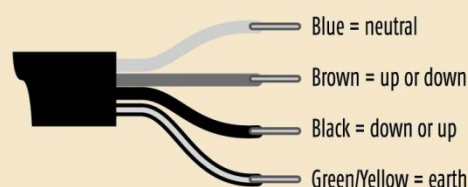
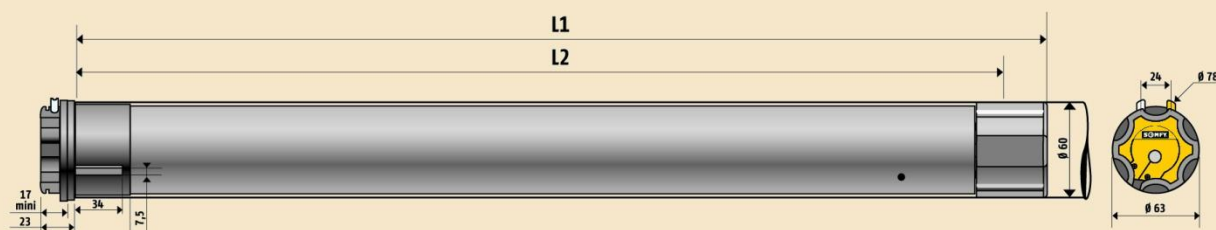


- Limit switch unit capacity : 35 turns.
- Supplied without adaptors.
- For intermittent use.
- Plug and play cable.
- For horizontal position
- Rapid-set push button limit switches
- Clip-on drive wheel and brackets
- Standard index of Protection : IP44
- Wide crown for improved tube fit (3 cm)

	Motor Type	Torque Nm	Speed rpm
LT 60	55/17	55	17
	60/12	60	12
	70/17	70	17
	80/12	80	12
	85/17	85	17
	100/12	100	12
	120/12	120	12

LT 60 Motors

Technical data



	55/17	60/12	70/17	80/12	85/17	100/12	120/12
L1	614	614	659	614	659	659	659
L2	597	597	642	597	642	642	642
Torque Nm	55	60	70	80	85	100	120
Speed (tr/min)	17	12	17	12	17	12	12
End limit capacity (number of turn)	35	35	35	35	35	35	35
Power supply	230	230	230	230	230	230	230
Power (W)	320	280	410	320	450	410	450
Current (A)	1,5	1,25	1,9	1,5	2,1	1,9	2,1
Thermal cut-out (min)	4	4	4	4	4	4	4
Operating temperature (°C)	-10°C to + 40°C	-10°C to + 40°C	-10°C to + 40°C	-10°C to + 40°C	-10°C to + 40°C	-10°C to + 40°C	-10°C to + 40°C
Weight (kg)	4,17	3,92	4,59	4,19	4,45	4,68	4,45
Standard cable length (m)	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Number of cable	4	4	4	4	4	4	4
Cable size (mm)	0,75	0,75	0,75	0,75	0,75	0,75	0,75
Protection index	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44

LT 60 Motors

Standard range

230 V / 50 Hz



Tubular motors range

Reference	Motor	Approval	Packaging	cable
	Torque/speed			Length (m)
1161051	55/17	CEBEC	BAR	2,5 RRF
1161015	55/17	CEBEC	BAR	3,0 WF
1161008	55/17	CEBEC	BAR	No
1161012	55/17	IMQ	UNI	2,5 WF
1161068	55/17	NF	UNI	1,0 WF
1161048	55/17	NF	UNI	2,5 RRF
1161011	55/17	NF	UNI	2,5 WF
1161007	55/17	NF	UNI	No
1161071	55/17	NF	UNI	No
1161010	55/17	SEV	BAR	1,0 WF
1161047	55/17	SEV	UNI	2,5 RRF
1162027	60/12	CEBEC	BAR	3,0 WF
1162024	60/12	IMQ	UNI	2,5 WF
1162028	60/12	KEMA	UNI	3,0 WF
1162023	60/12	NF	UNI	2,5 WF
1162052	60/12	NF	UNI	3,0 RRF
1162022	60/12	WOA	UNI	1,0 WF
1162051	60/12	WOA	UNI	2,5 RRF
1162025	60/12	WOA	UNI	2,5 WF
1163012	70/17	CEBEC	BAR	3,0 WF
1163008	70/17	CEBEC	BAR	No
1163011	70/17	IMQ	UNI	2,5 WF
1163013	70/17	KEMA	UNI	3,0 WF
1163014	70/17	NF	UNI	1,0 RRF
1163010	70/17	NF	UNI	2,5 WF
1163020	70/17	NF	UNI	3,0 RRF
1163009	70/17	SEV	BAR	1,0 WF
1164025	80/12	CEBEC	BAR	3,0 WF
1164022	80/12	IMQ	UNI	2,5 WF
1164026	80/12	KEMA	UNI	3,0 WF
1164078	80/12	NF	UNI	1,0 WF
1164021	80/12	NF	UNI	2,5 WF
1164055	80/12	NF	UNI	3,0 RRF
1164230	80/12	SEV	BAR	1,0 WF
1164054	80/12	WOA	UNI	2,5 RRF
1164023	80/12	WOA	UNI	2,5 WF
1165011	85/17	CEBEC	BAR	3,0 WF
1165009	85/17	IMQ	UNI	2,5 WF

LT 60 Motors

Standard range

230 V / 50 Hz



Reference	Motor	Approval	Packaging	cable
	Torque/speed			Length (m)
1165008	85/17	NF	UNI	2,5 WF
1165019	85/17	NF	UNI	3,0 RRF
1165007	85/17	SEV	BAR	1,0 WF
1166031	100/12	CEBEC	BAR	3,0 WF
1166022	100/12	CEBEC	BAR	No
1166026	100/12	IMQ	UNI	2,5 WF
1166032	100/12	KEMA	UNI	3,0 WF
1166033	100/12	NF	UNI	1,0 RRF
1166025	100/12	NF	UNI	2,5 WF
1166093	100/12	NF	UNI	3,0 RRF
1166092	100/12	NF	UNI	No
1166024	100/12	SEV	BAR	1,0 WF
1166052	100/12	WOA	UNI	2,5 RRF
1166028	100/12	WOA	UNI	2,5 WF
1167023	120/12	CEBEC	BAR	3,0 WF
1167013	120/12	CEBEC	BAR	No
1167018	120/12	IMQ	UNI	2,5 WF
1167024	120/12	KEMA	UNI	3,0 WF
1167025	120/12	NF	UNI	1,0 RRF
1167061	120/12	NF	UNI	1,0 WF
1167017	120/12	NF	UNI	2,5 WF
1167031	120/12	NF	UNI	3,0 RRF
1167016	120/12	SEV	BAR	1,0 WF
1167026	120/12	WOA	UNI	2,5 RRF

Tubular motors range

LT 60 Motors

Standard range

200 V / 50-60 Hz

Tubular motors range

Reference	Motor	Approval	Packaging	cable
	Torque/speed			Length (m)
1162040	50/12-14	WOA	UNI	1,0 WF
1162041	50/12-14	WOA	UNI	1,0 RRF
1162042	50/12-14	WOA	UNI	1,5 RRF
1162055	50/12-14	WOA	UNI	10,0 RRF
1164039	75/12-14	WOA	UNI	2,5 WF
1164040	75/12-14	WOA	UNI	3,0 WF
1164077	75/12-14	WOA	UNI	1,0 WF

WOA: without any approvals.

100 V / 50-60 Hz

Reference	Motor	Approval	Packaging	cable
	Torque/speed			Length (m)
1162037	60/12-14	WOA	UNI	1,0 WF
1162069	60/12-14	WOA	BAR	1,0 WF
1164035	80/12-14	WOA	UNI	1,0 WF
1166039	100/12-14	WOA	UNI	1,0 WF
1166094	100/12-14	WOA	BAR	1,0 WF

120 V / 60 Hz

Reference	Motor	Approval	Packaging	cable
	Torque/speed			Length (m)
1162032	60/14	UL	UNI	2,5 WF
1162054	60/14	UL	UNI	2,5 RRF
1164029	80/14	UL	UNI	2,5 WF
1164056	80/14	UL	UNI	2,5 RRF
1166035	100/14	UL	UNI	2,5 WF
1166053	100/14	UL	UNI	2,5 RRF

LT 60 Motors

Standard range

200 V / 60 Hz



Reference	Motor	Approval	Packaging	cable
	Torque/speed			Length (m)
1162045	60/14	WOA	UNI	2,5 WF
1162046	60/14	WOA	BAR	2,5 WF
1162056	60/14	WOA	UNI	2,5 RRF
1162057	60/14	SASO	UNI	2,5 WF
1164044	80/14	WOA	BAR	1,0 WF
1164045	80/14	WOA	UNI	2,5 WF
1164046	80/14	WOA	BAR	2,5 WF
1164060	80/14	WOA	UNI	2,5 RRF
1164075	80/14	SASO	UNI	2,5 WF
1166044	100/14	WOA	BAR	1,0 WF
1166045	100/14	WOA	UNI	2,5 WF
1166046	100/14	WOA	BAR	2,5 WF
1166056	100/14	WOA	UNI	2,5 RRF
1166085	100/14	SASO	UNI	2,5 WF

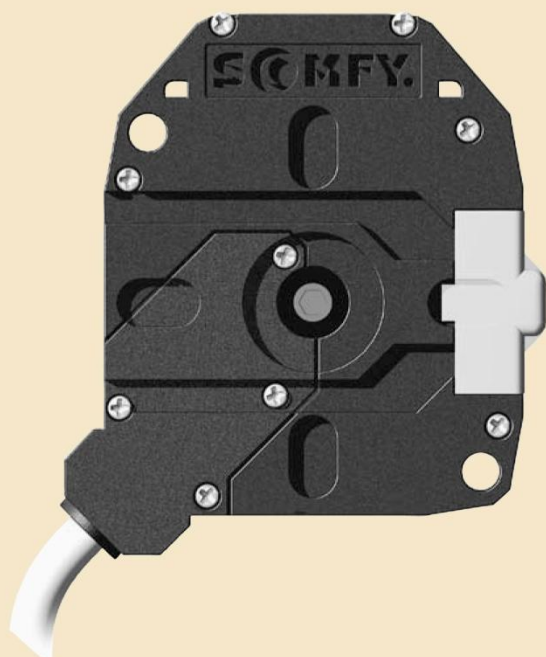
UNI: unit – BAR: batch of

Tubular motors range

LT 60 CSI Motors

230 V / 50 Hz
Standard range

Tubular motors range

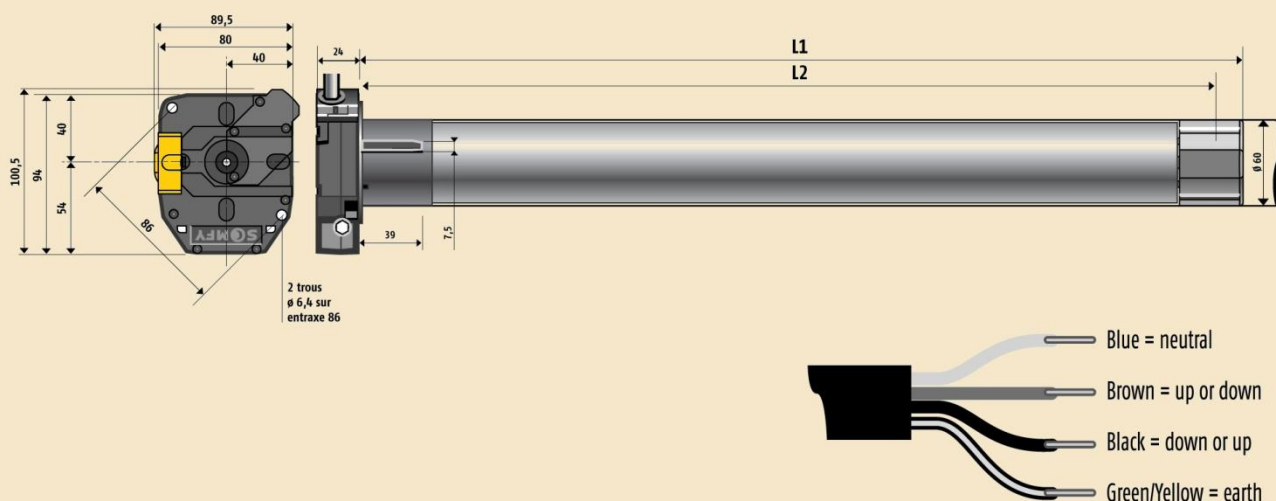


- Hi pro rapid-set limit buttons.
- Limit switch unit capacity : 34 turns.
- Limit switches can be set from the opposit side of the motor head, thanks to a setting tool (ref. 9910019)
- Supply cable with removable connector.
- Crank shaft drive either 6 mm square or 7 mm hexagonal shaft.
- Reduction rate 1/55eCSI 60 .
- Protection rating: IP44.
- Delivered without adaptations and crank.
- To be horizontally positioned
- Standard 12 mm diameter stud mounting possibility

	Motor Type	Torque Nm	Speed rpm
LT 60	55/17	55	17
	60/12	60	12
	70/17	70	17
	80/12	80	12
	85/17	85	17
	100/12	100	12
	120/12	120	12

LT 60 CSI

Technical data



	55/17	70/17	85/17	100/17	120/12
L1	646	681	681	681	681
L2	630	665	665	665	665
Torque Nm	55	70	85	100	120
Speed (tr/min)	17	17	17	12	12
End limit capacity (number of turn)	34	34	34	34	34
Power supply	230	230	230	230	230
Power (W)	320	410	450	410	450
Current (A)	1,5	1,9	2,1	1,9	2,1
Thermal cut-out (min)	4	4	4	4	4
Operating temperature (°C)	-10°C to + 40°C	-10°C to + 40°C	-10°C to + 40°C	-10°C to + 40°C	-10°C to + 40°C
Weight (kg)	4,91	5,31	5,52	5,4	5,56
Standard cable length (m)	2,5	2,5	2,5	2,5	2,5
Number of cable	4	4	4	4	4
Cable size (mm)	0,75	0,75	0,75	0,75	0,75
Protection index	IP 44	IP 44	IP 44	IP 44	IP 44

LT 60 CSI Motors

Standard range

230 V / 50 Hz



Tubular motors range

Reference	Motor	Manual Override	Approval	Packaging	Cable
	Torque/speed				Length (m)
1161006	55/17	M	CEBEC	UNI	3,0 WF
1161001	55/17	M	IMQ	UNI	2,5 WF
1161000	55/17	M	NF	UNI	2,5 WF
1161002	55/17	M		UNI	2,5 WF
1162008	60/12	M	CEBEC	UNI	3,0 WF
1162004	60/12	M	IMQ	UNI	2,5 WF
1162009	60/12	M	KEMA	UNI	3,0 WF
1162011	60/12	M	NF	UNI	2,5 RRF
1162002	60/12	M	NF	UNI	2,5 WF
1162001	60/12	M	SEV	UNI	1,0 WF
1162010	60/12	M	VDE	UNI	1,0 RRF
1162071	60/12	M		UNI	2,5 RRF
1162006	60/12	M		UNI	2,5 WF
1163006	70/17	M	CEBEC	UNI	3,0 WF
1163002	70/17	M	IMQ	UNI	2,5 WF
1163001	70/17	M	NF	UNI	2,5 WF
1163059	70/17	M	NF	UNI	5,0 WF
1163000	70/17	M	NF	UNI	No
1163003	70/17	M		UNI	2,5 WF
1164007	80/12	M	CEBEC	UNI	3,0 WF
1164004	80/12	M	IMQ	UNI	2,5 WF
1164008	80/12	M	KEMA	UNI	3,0 WF
1164080	80/12	M	NF	UNI	1,0 WF
1164010	80/12	M	NF	UNI	2,5 RRF
1164003	80/12	M	NF	UNI	2,5 WF
1164006	80/12	M	NF	UNI	3,0 WF
1164002	80/12	M	SEV	UNI	1,0 WF
1164009	80/12	M	VDE	UNI	1,0 RRF
1164081	80/12	M		UNI	2,5 RRF
1164005	80/12	M		UNI	2,5 WF
1165004	85/17	M	CEBEC	UNI	3,0 WF
1165001	85/17	M	IMQ	UNI	2,5 WF
1165065	85/17	M	NF	UNI	1,0 WF
1165000	85/17	M	NF	UNI	2,5 WF
1166008	100/12	M	CEBEC	UNI	3,0 WF
1166003	100/12	M	IMQ	UNI	2,5 WF
1166009	100/12	M	KEMA	UNI	3,0 WF
1166091	100/12	M	NF	UNI	1,0 WF
1166096	100/12	M	NF	UNI	1,0 WF
1166011	100/12	M	NF	UNI	2,5 RRF
1166002	100/12	M	NF	UNI	2,5 WF
1166007	100/12	M	NF	UNI	3,0 WF
1166010	100/12	M	VDE	UNI	1,0 RRF
1167008	120/12	M	CEBEC	UNI	3,0 WF
1167004	120/12	M	IMQ	UNI	2,5 WF
1167009	120/12	M	KEMA	UNI	3,0 WF
1167011	120/12	M	NF	UNI	2,5 RRF
1167003	120/12	M	NF	UNI	2,5 WF
1167007	120/12	M	NF	UNI	3,0 WF
1167000	120/12	M	NF	UNI	No
1167002	120/12	M	SEV	UNI	1,0 WF
1167010	120/12	M	VDE	UNI	1,0 RRF