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Catalogo
Catalogue

2009

SCREEN

Piccoli gesti, grandi movimenti • *Slight motions, bright e-motions*






ISO 9001 - Cert. n. 4174

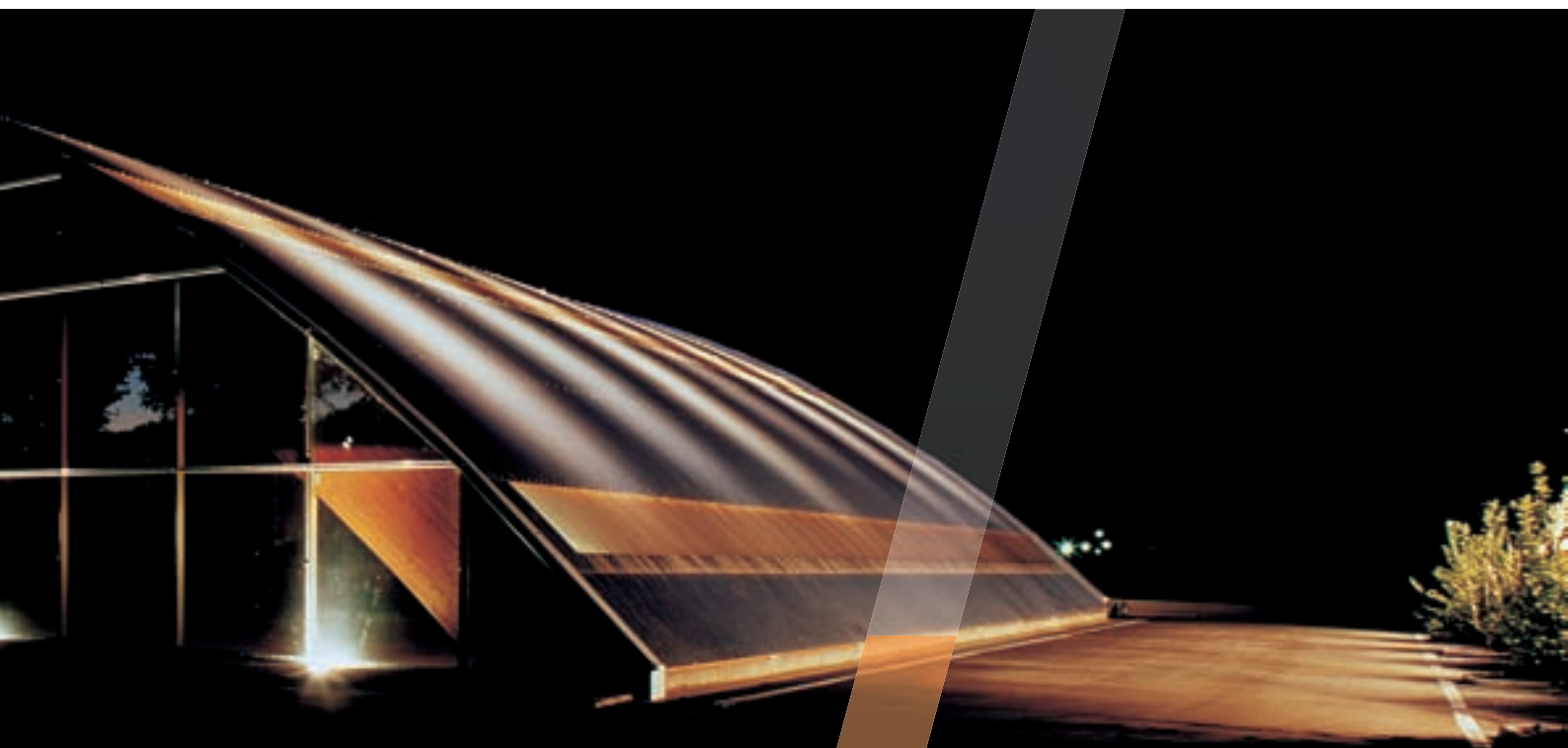


Azienda associata



Indice - *Index*

	Motoriduttori tubolari <i>Tubular motors</i>	1
	Elettronica <i>Electronics</i>	17
	Accessori <i>Accessories</i>	29
	Condizioni generali di vendita <i>General conditions of sale</i>	44
	Legenda <i>Caption</i>	47







Motoriduttori tubolari - *Tubular motors*

Motoréducteurs tubulaires - Rohrmotore
Motorreductores tubulares - Motorreductores tubulares



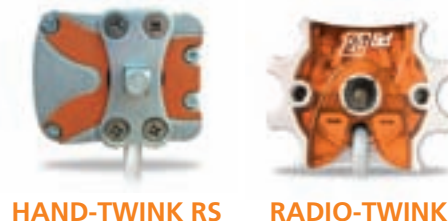
Motoriduttori tubolari con fine corsa meccanico *Tubular motors with mechanical limit switch*

- F** Motoréducteurs tubulaires avec fin de course mécanique
- D** Rohrmotore mit mechanischem Endschalter
- E** Motorreductores tubulares con final de carrera mecánico
- P** Motorreductores tubulares com fim de curso mecânico



Motoriduttori tubolari con fine corsa meccanico e ricevitore radio integrato *Tubular motors with mechanical limit switch and built-in radio receiver*

- F** Motoréducteurs tubulaires avec fin de course mécanique et récepteur radio intégré
- D** Rohrmotore mit mechanischem Endschalter und eingebautem Funkempfänger
- E** Motorreductores tubulares con final de carrera mecánico y receptor de radio incorporado
- P** Motorreductores tubulares com fim de curso mecânico e receptor via rádio integrado



Motoriduttori tubolari con fine corsa elettronico ed encoder *Tubular motors with electronic limit switch and encoder*

- F** Motoréducteurs tubulaires avec fin de course électronique et encodeur
- D** Rohrmotore mit elektronischem Endschalter und Encoder
- E** Motorreductores tubulares con final de carrera electrónico y encoder
- P** Motorreductores tubulares com fim de curso eletrônico e encoder



Motoriduttori tubolari con fine corsa elettronico, encoder e ricevitore radio integrato *Tubular motors with electronic limit switch, encoder and built-in radio receiver*

- F** Motoréducteurs tubulaires avec fin de course électronique, encodeur et récepteur radio intégré
- D** Rohrmotore mit elektronischem Endschalter, Encoder und eingebautem Funkempfänger
- E** Motorreductores tubulares con final de carrera electrónico, encoder y receptor de radio incorporado
- P** Motorreductores tubulares com fim de curso eletrônico, encoder e receptor via rádio integrado





MOTORIDUTTORI TUBOLARI PER TAPPARELLE

TUBULAR MOTORS FOR ROLLING SHUTTERS

Pesi indicativi delle tapparelle (Kg/m²)

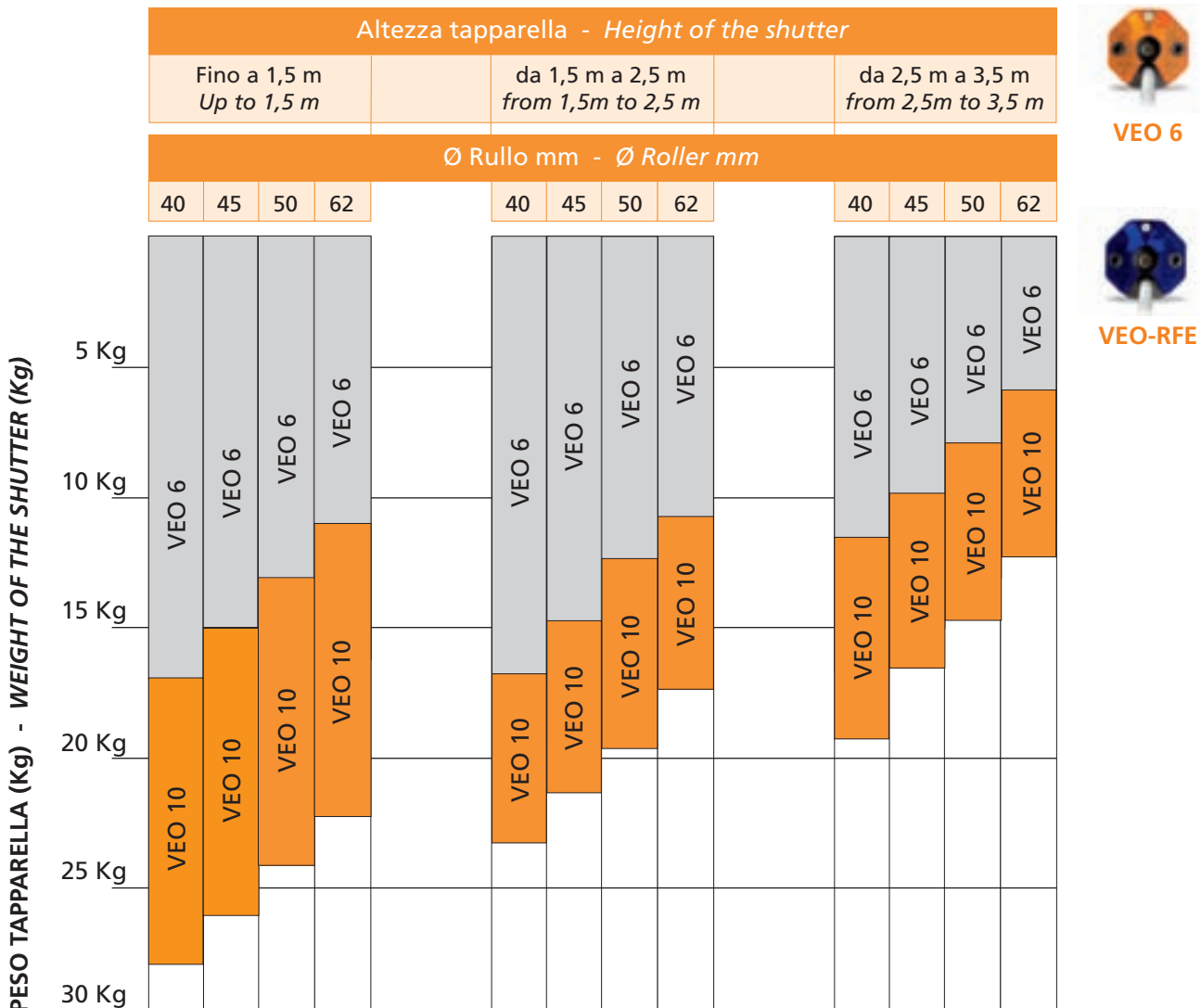
Materiale	Kg/m ²
Alluminio estruso con poliuretano espanso	7-9
Alluminio estruso	8-10
Alluminio per serrande	5-8
PVC	6-8
Acciaio con poliuretano	10-12
Legno	10-12

Approx. weight of the rolling shutters (Kg/m²)

Material	Kg/m ²
Extruded aluminium with expanded polyurethane	7-9
Extruded aluminium	8-10
Aluminium for rolling shutters	5-8
PVC	6-8
Steel with polyurethane	10-12
Wood	10-12

Motoriduttori tubolari serie VEO Ø35mm
 Tapparella con stecca di altezza max 40 mm
 spessore max 9 mm

Tubular motors series VEO Ø35mm
 Roller shutter with louver-board max. 40 mm
 high and 9 mm thick



Ø 35 mm	6	10
Finecorsa meccanico Mechanical limit switch	VEO cod. 27A028	VEO cod. 27A006
Fine corsa elettronico, encoder e ricevitore radio integrato Electronic limit switch, encoder and built-in radio receiver	VEO cod. 27A007	VEO cod. 27A407

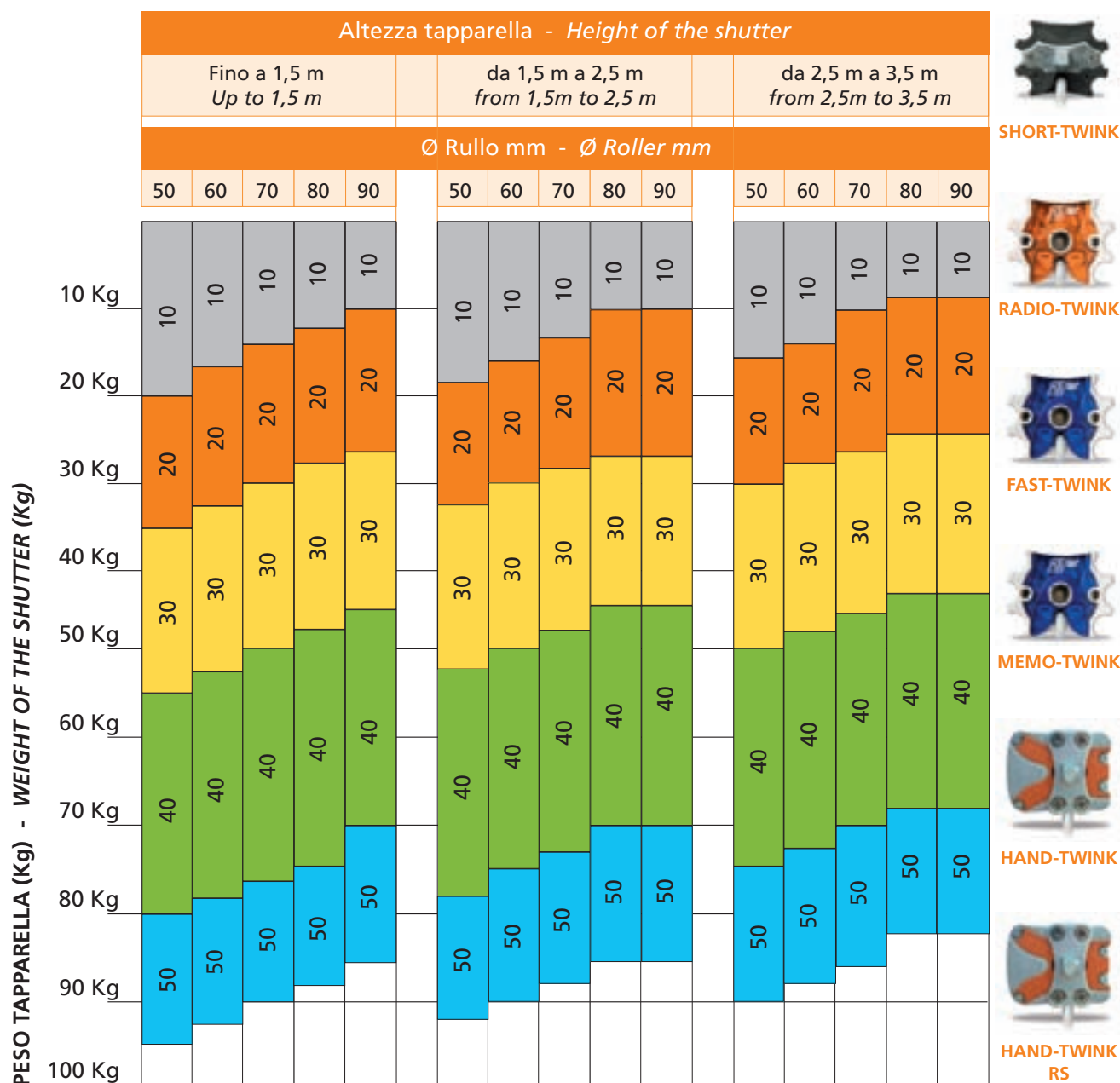


**Motoriduttori tubolari serie TWINK
 Ø45 mm**

**Tapparella con stecca di altezza max 55 mm
 spessore max 14 mm**

**Tubular motors series TWINK
 Ø45 mm**

**Roller shutter with louver-board
 max. 55 mm high and 14 mm thick**



Ø 45 mm		10	20	30	40	50
Finecorsa meccanico <i>Mechanical limit switch</i>	Modello base <i>Basic model</i>	SHORT-TWINK cod. 27B126	SHORT-TWINK cod. 27B127	SHORT-TWINK cod. 27B128	SHORT-TWINK cod. 27B129	SHORT-TWINK cod. 27B130
	Ricevitore radio integrato <i>Built-in radio receiver</i>	-	RADIO-TWINK cod. 27B060	RADIO-TWINK cod. 27B061	RADIO-TWINK cod. 27B062	RADIO-TWINK cod. 27B067
Fine corsa elettronico ed encoder <i>Electronic limit switch and encoder</i>	Manovra di soccorso <i>Manual override</i>	-	HAND-TWINK cod. 27B110	HAND-TWINK cod. 27B111	HAND-TWINK cod. 27B112	HAND-TWINK cod. 27B113
	Manovra di soccorso e ricevitore radio <i>Manual override and radio receiver</i>	-	-	HAND-TWINK RS cod. 27B169	HAND-TWINK RS cod. 27B170	HAND-TWINK RS cod. 27B171
Finecorsa elettronico ed encoder <i>Electronic limit switch and encoder</i>	Modello base <i>Basic model</i>	-	FAST-TWINK cod. 27B076	FAST-TWINK cod. 27B077	FAST-TWINK cod. 27B078	FAST-TWINK cod. 27B079
	Ricevitore radio integrato <i>Built-in radio receiver</i>	-	MEMO-TWINK cod. 27B085	MEMO-TWINK cod. 27B086	MEMO-TWINK cod. 27B087	MEMO-TWINK cod. 27B088

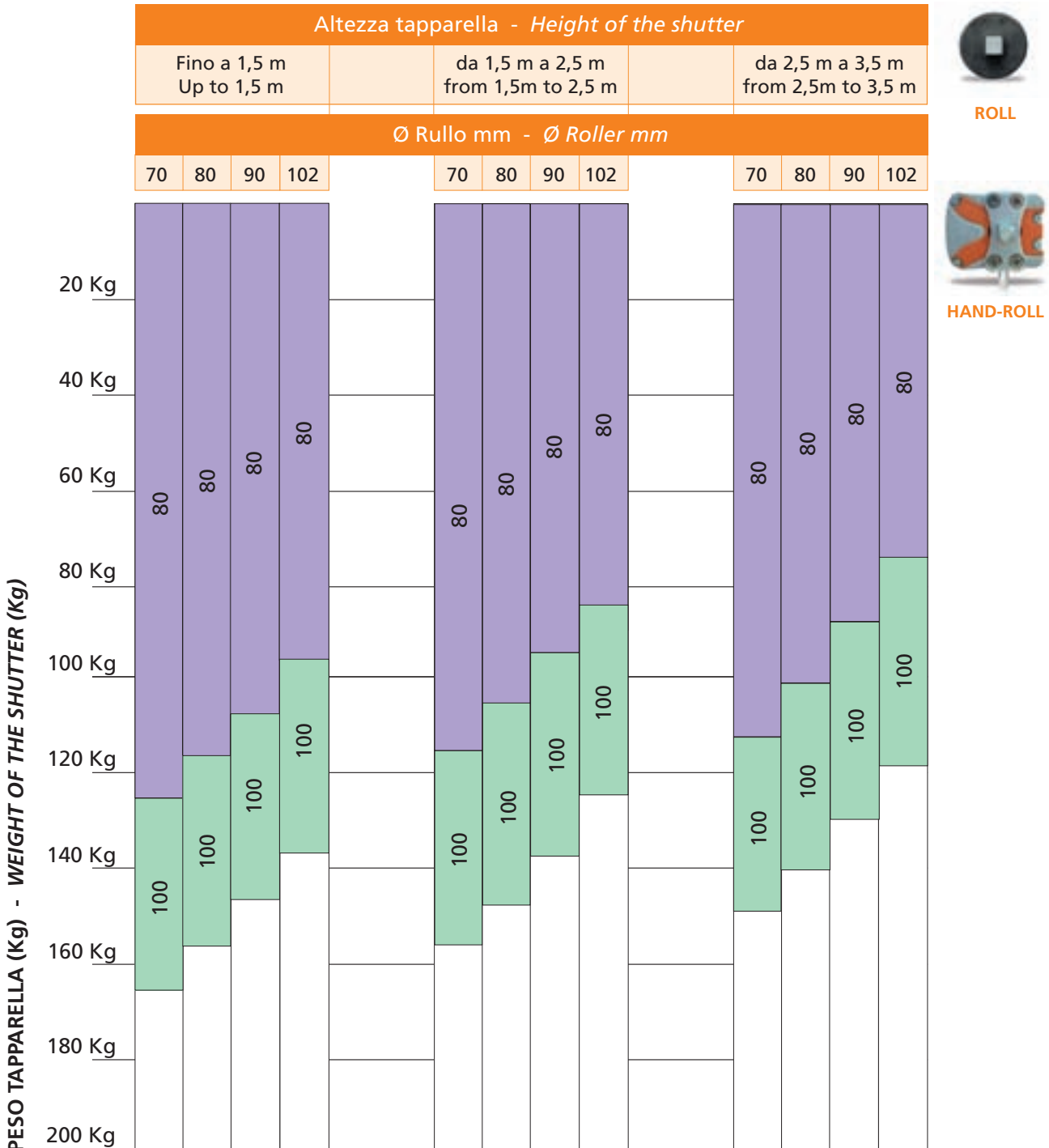


Motoriduttori tubolari serie ROLL
Ø59 mm

Tapparella con stecca di altezza max 55 mm
 spessore max 14 mm

Tubular motors series ROLL
Ø59 mm

Roller shutter with louver-board
max. 55 mm high and 14 mm thick



Ø 59 mm		80	100
Finecorsa meccanico	Modello base <i>Basic model</i>	ROLL cod. 27C002	ROLL cod. 27C007
Mechanical limit switch	Manovra di soccorso <i>Manual override</i>	HAND-ROLL cod. 27C013	HAND-ROLL cod. 27C014



MOTORIDUTTORI TUBOLARI PER TENDE DA SOLE TUBULAR MOTORS FOR AWNINGS

Rullo avvolgibile Ø 50 mm - Roller Ø 50 mm					
Numero bracci - Number of arms					
Sporgenza bracci Arm projection		2	4	6	8
	1,5 m	20 Nm	20 Nm	30 Nm	40 Nm
	2,0 m	30 Nm	30 Nm	40 Nm	50 Nm
	2,5 m	30 Nm	30 Nm	40 Nm	-
	3,0 m	30 Nm	40 Nm	50 Nm	-
	4,0 m	40 Nm	50 Nm	-	-
	5,0 m	50 Nm	-	-	-



SHORT-TWINK



RADIO-TWINK

Rullo avvolgibile Ø 60/70 mm - Roller Ø 60/70 mm					
Numero bracci - Number of arms					
Sporgenza bracci Arm projection		2	4	6	8
	1,5 m	20 Nm	30 Nm	30 Nm	50 Nm
	2,0 m	30 Nm	30 Nm	40 Nm	50 Nm
	2,5 m	30 Nm	30 Nm	40 Nm	80 Nm
	3,0 m	30 Nm	40 Nm	50 Nm	80 Nm
	4,0 m	40 Nm	50 Nm	80 Nm	100 Nm
	5,0 m	50 Nm	80 Nm	100 Nm	-



FAST-TWINK



MEMO-TWINK

Rullo avvolgibile Ø 78 mm - Roller Ø 78 mm					
Numero bracci - Number of arms					
Sporgenza bracci Arm projection		2	4	6	8
	1,5 m	20 Nm	30 Nm	30 Nm	50 Nm
	2,0 m	30 Nm	40 Nm	40 Nm	80 Nm
	2,5 m	30 Nm	40 Nm	50 Nm	80 Nm
	3,0 m	40 Nm	50 Nm	80 Nm	100 Nm
	4,0 m	50 Nm	50 Nm	100 Nm	-
	5,0 m	80 Nm	80 Nm	100 Nm	-



HAND-TWINK



HAND-TWINK
RS

Rullo avvolgibile Ø 85 mm - Roller Ø 85 mm					
Numero bracci - Number of arms					
Sporgenza bracci Arm projection		2	4	6	8
	1,5 m	40 Nm	50 Nm	50 Nm	80 Nm
	2,0 m	50 Nm	50 Nm	80 Nm	100 Nm
	2,5 m	80 Nm	80 Nm	100 Nm	-
	3,0 m	80 Nm	80 Nm	100 Nm	-
	4,0 m	80 Nm	100 Nm	-	-
	5,0 m	100 Nm	-	-	-



ROLL



HAND-ROLL



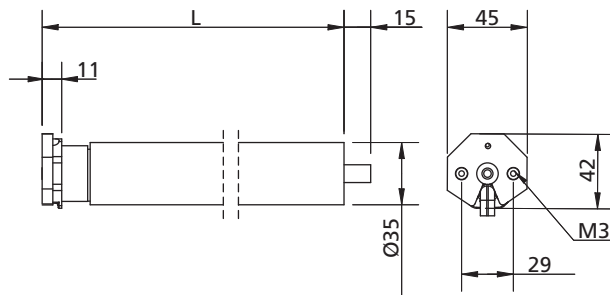
Serie VEO



Motoriduttore tubolare Ø 35 mm
 con fine corsa meccanico

*Tubular motor Ø 35 mm with
 mechanical limit switch*

- F** Motoréducteur tubulaire Ø 35 mm
 avec fin de course mécanique
- D** Rohrmotor Ø 35 mm mit
 mechanischem Endschalter
- E** Motorreductor tubular Ø 35 mm
 con final de carrera mecánico
- P** Motorreductor tubular Ø 35 mm
 com fim de curso mecânico



codice	modello	carico*	coppia	velocità	alimentazione	potenza	assorbimento	tempo di funzionamento	giri fine corsa	lunghezza (L)
code	model	load*	torque	speed	power supply	power	rated current	working time	limit switch range	length (L)
		Kg	Nm	rpm	V/Hz	W	A	min.	n°	mm
27A028	VEO 6	17	6	28	230/50	121	0,53	4	30	440
27A006	VEO 10	27	10	17	230/50	121	0,53	4	30	440
27A404	VEO 6	17	6	33	120/60	102	0,85	4	30	440
27A406	VEO 10	27	10	15	120/60	202	1,66	4	30	440

* Valore calcolato con rullo Ø 40 mm
 * Value calculated with roller Ø 40 mm



Serie VEO-RFE



Motoriduttore tubolare
Ø 35 mm con fine corsa
 elettronico, encoder e ricevitore
 radio integrato

*Tubular motor Ø 35 mm with
 electronic limit switch, encoder
 and built-in radio receiver*

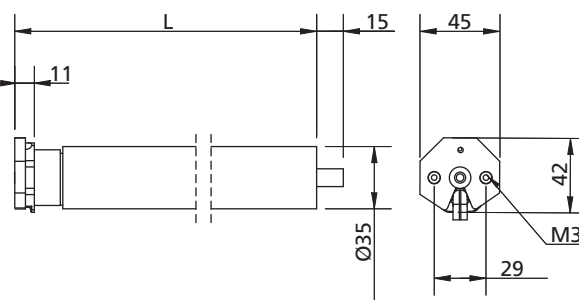


F Motoréducteur tubulaire Ø 35 mm
 avec fin de course électronique,
 encodeur et récepteur radio intégré

D Rohrmotor Ø 35 mm mit elektronischem
 Endschalter, Encoder und eingebautem
 Funkempfänger

E Motorreductor tubular Ø 35 mm
 con final de carrera electrónico, encoder
 y receptor de radio incorporado

P Motorreductor tubular Ø 35 mm com
 fim de curso eletrônico, encoder y
 receptor via rádio integrado



codice	modello	carico*	coppia	velocità	alimentazione	potenza	assorbimento	tempo di funzionamento	lunghezza (L)
code	model	load*	torque	speed	power supply	power	rated current	working time	length (L)
		Kg	Nm	rpm	V/Hz	W	A	min.	mm
27A007	VEO 6 RFE	17	6	28	230/50	121	0,53	4	515
27A008	VEO 10 RFE	27	10	17	230/50	121	0,53	4	515
27A407	VEO 6 RFE	17	6	33	120/60	102	0,85	4	515

* Valore calcolato con rullo Ø 40 mm
 * Value calculated with roller Ø 40 mm



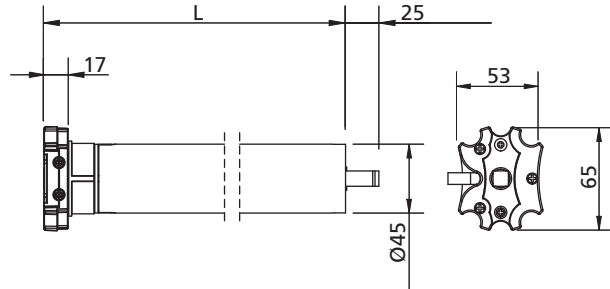
Serie SHORT-TWINK



Motoriduttore tubolare Ø 45 mm
 con fine corsa meccanico

*Tubular motor Ø 45 mm with
 mechanical limit switch*

- F** Motoréducteur tubulaire Ø 45 mm avec fin de course mécanique
- D** Rohrmotor Ø 45 mm mit mechanischem Endschalter
- E** Motorreductor tubular Ø 45 mm con final de carrera mecánico
- P** Motorreductor tubular Ø 45 mm com fim de curso mecânico



codice	modello	carico*	coppia	velocità	alimentazione	potenza	assorbimento	tempo di funzionamento	giri fine corsa	lunghezza (L)
code	model	load*	torque	speed	power supply	power	rated current	working time	limit switch range	length (L)
		Kg	Nm	rpm	V/Hz	W	A	min.	n°	mm
27B126	SHORT-TWINK 10	20	10	16	230/50	112	0,49	4	22	440
27B127	SHORT-TWINK 20	35	20	16	230/50	145	0,64	4	22	440
27B128	SHORT-TWINK 30	55	30	16	230/50	191	0,83	4	22	440
27B129	SHORT-TWINK 40	80	40	16	230/50	194	0,86	4	22	510
27B130	SHORT-TWINK 50	95	50	12	230/50	205	0,89	4	22	510
27B527	SHORT-TWINK 20	35	20	19	120/60	162	1,54	4	22	440
27B529	SHORT-TWINK 40	80	40	13	120/60	183	1,55	4	22	510

* Valore calcolato con rullo Ø 50 mm
 * Value calculated with roller Ø 50 mm



Serie RADIO-TWINK



Motoriduttore tubolare Ø 45 mm
con fine corsa meccanico e
ricevitore radio integrato

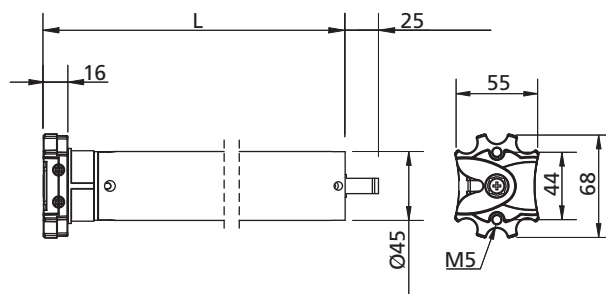
*Tubular motor Ø 45 mm with
mechanical limit switch and
built-in radio receiver*

F Motoréducteur tubulaire Ø 45 mm avec
fin de course mécanique et récepteur
radio intégré

D Rohrmotor Ø 45 mm mit mechanischem
Endschalter und eingebautem
Funkempfänger

E Motorreductor tubular Ø 45 mm
con final de carrera mecánico y receptor
de radio incorporado

P Motorreductor tubular Ø 45 mm com
fim de curso mecânico e receptor via
rádio integrado



codice	modello	carico*	coppia	velocità	alimentazione	potenza	assorbimento	tempo di funzionamento	giri fine corsa	lunghezza (L)
code	model	load*	torque	speed	power supply	power	rated current	working time	limit switch range	length (L)
		Kg	Nm	rpm	V/Hz	W	A	min.	n°	mm
27B060	RADIO-TWINK 20	35	20	16	230/50	145	0,64	4	22	710
27B061	RADIO-TWINK 30	55	30	16	230/50	191	0,83	4	22	710
27B062	RADIO-TWINK 40	80	40	16	230/50	194	0,86	4	22	710
27B067	RADIO-TWINK 50	95	50	12	230/50	205	0,89	4	22	710
27B460	RADIO-TWINK 20	35	20	19	120/60	276	2,3	4	22	710
27B462	RADIO-TWINK 40	80	40	13	120/60	363	3,05	4	22	710

* Valore calcolato con rullo Ø 50 mm

* Value calculated with roller Ø 50 mm



Serie FAST-TWINK



Motoriduttore tubolare Ø 45 mm
 con fine corsa elettronico ed
 encoder

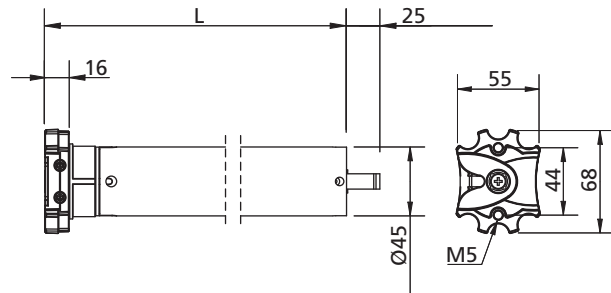
*Tubular motor Ø 45 mm with
 electronic limit switch and encoder*

F Motoréducteur tubulaire Ø 45 mm avec
 fin de course électronique et encodeur

D Rohrmotor Ø 45 mm mit elektronischem
 Endschalter und Encoder

E Motorreductor tubular Ø 45 mm con
 final de carrera electrónico y encoder

P Motorreductor tubular Ø 45 mm com
 fim de curso eletrônico e encoder



FAST-PROG - cod. 162810

Programmatore rapido per motore FAST-TWINK

Fast programmer for FAST-TWINK motor

F Programmeur rapide pour moteur FAST-TWINK

D Schnellprogrammiergerät für Motor FAST-TWINK

E Programador rápido para motor FAST-TWINK

P Programador rápido para motor FAST-TWINK

codice	modello	carico*	coppia	velocità	alimentazione	potenza	assorbimento	tempo di funzionamento	lunghezza (L)
code	model	load*	torque	speed	power supply	power	rated current	working time	length (L)
		Kg	Nm	rpm	V/Hz	W	A	min.	mm
27B076	FAST-TWINK 20	35	20	16	230/50	145	0,64	4	710
27B077	FAST-TWINK 30	55	30	16	230/50	191	0,83	4	710
27B078	FAST-TWINK 40	80	40	16	230/50	194	0,86	4	710
27B079	FAST-TWINK 50	95	50	12	230/50	205	0,89	4	710
27B476	FAST-TWINK 20	35	20	19	120/60	276	2,3	4	710
27B478	FAST-TWINK 40	80	40	13	120/60	363	3,05	4	710

* Valore calcolato con rullo Ø 50 mm

* Value calculated with roller Ø 50 mm



Serie MEMO-TWINK



Motoriduttore tubolare
Ø 45 mm con fine corsa
 elettronico, encoder e ricevitore
 radio integrato

*Tubular motor Ø 45 mm with
 electronic limit switch, encoder
 and built-in radio receiver*

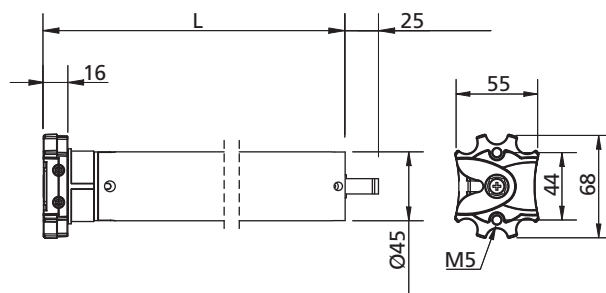


F Motoréducteur tubulaire Ø 45 mm avec
 fin de course électronique, encodeur et
 récepteur radio intégré

D Rohrmotor Ø 45 mm mit elektronischem
 Endschalter, Encoder und eingebautem
 Funkempfänger

E Motorreductor tubular Ø 45 mm
 con final de carrera electrónico, encoder
 y receptor de radio incorporado

P Motorreductor tubular Ø 45 mm com
 fim de curso eletrônico, encoder e
 receptor via rádio integrado



codice	modello	carico*	coppia	velocità	alimentazione	potenza	assorbimento	tempo di funzionamento	lunghezza (L)
code	model	load*	torque	speed	power supply	power	rated current	working time	length (L)
		Kg	Nm	rpm	V/Hz	W	A	min.	mm
27B085	MEMO-TWINK 20	35	20	16	230/50	145	0,64	4	710
27B086	MEMO-TWINK 30	55	30	16	230/50	191	0,83	4	710
27B087	MEMO-TWINK 40	80	40	16	230/50	194	0,86	4	710
27B088	MEMO-TWINK 50	95	50	12	230/50	205	0,89	4	710
27B485	MEMO-TWINK 20	35	20	19	120/60	276	2,3	4	710
27B487	MEMO-TWINK 40	80	40	13	120/60	363	3,05	4	710

* Valore calcolato con rullo Ø 50 mm
 * Value calculated with roller Ø 50 mm



Serie HAND-TWINK



Motoriduttore tubolare \varnothing 45 mm
 con fine corsa meccanico e
 manovra di soccorso

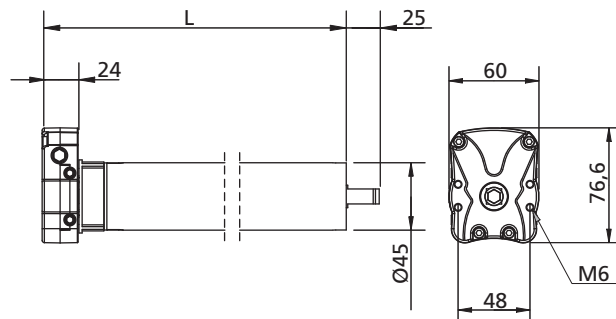
*Tubular motor \varnothing 45 mm with
 mechanical limit switch and
 manual override*

F Motoréducteur tubulaire \varnothing 45 mm
 avec fin de course mécanique et
 manœuvre de dépannage

D Rohrmotor \varnothing 45 mm mit mechanischem
 Endschalter und Notbedienung

E Motorreductor tubular \varnothing 45 mm con
 final de carrera mecánico y maniobra
 de emergencia

P Motorreductor tubular \varnothing 45 mm com
 fim de curso mecânico e manobra de
 emergência



codice	modello	carico*	coppia	velocità	alimentazione	potenza	assorbimento	tempo di funzionamento	giri fine corsa	lunghezza (L)
code	model	load*	torque	speed	power supply	power	rated current	working time	limit switch range	length (L)
		Kg	Nm	rpm	V/Hz	W	A	min.	n°	mm
27B110	HAND-TWINK 20	35	20	16	230/50	145	0,64	4	22	580
27B111	HAND-TWINK 30	55	30	16	230/50	191	0,83	4	22	580
27B112	HAND-TWINK 40	80	40	16	230/50	194	0,86	4	22	600
27B113	HAND-TWINK 50	95	50	12	230/50	205	0,89	4	22	600
27B410	HAND-TWINK 20	35	20	19	120/60	276	2,3	4	22	580
27B412	HAND-TWINK 40	80	40	13	120/60	205	1,92	4	22	600

* Valore calcolato con rullo \varnothing 50 mm

* Value calculated with roller \varnothing 50 mm



Serie HAND-TWINK RS



Motoriduttore tubolare Ø 45 mm con fine corsa meccanico, manovra di soccorso e ricevitore radio integrato

Tubular motor Ø 45 mm with mechanical limit switch, manual override and built-in radio receiver

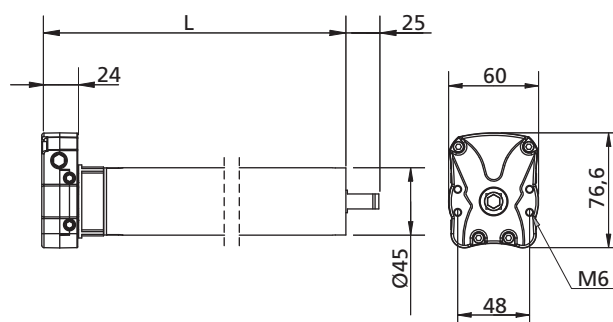


F Motoréducteur tubulaire Ø 45 mm avec fin de course mécanique, manœuvre de dépannage et récepteur radio intégré

D Rohrmotor Ø 45 mm mit mechanischem Endschalter, Notbedienung und eingebautem Funkempfänger

E Motorreductor tubular Ø 45 mm con final de carrera mecánico, maniobra de emergencia y receptor de radio incorporado

P Motorreductor tubular Ø 45 mm com fim de curso mecânico, manobra de emergência e receptor via rádio integrado



codice	modello	carico*	coppia	velocità	alimentazione	potenza	assorbimento	tempo di funzionamento	giri fine corsa	lunghezza (L)
code	model	load*	torque	speed	power supply	power	rated current	working time	limit switch range	length (L)
		Kg	Nm	rpm	V/Hz	W	A	min.	n°	mm
27B169	HAND-TWINK RS 30	55	30	16	230/50	191	0,83	4	22	680
27B170	HAND-TWINK RS 40	80	40	16	230/50	194	0,86	4	22	680
27B171	HAND-TWINK RS 50	95	50	12	230/50	205	0,89	4	22	680

* Valore calcolato con rullo Ø 50 mm
 * Value calculated with roller Ø 50 mm



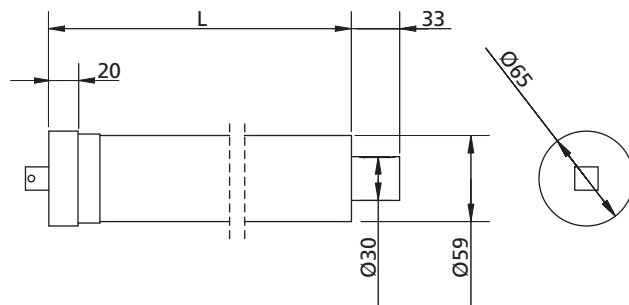
Serie **ROLL**



Motoriduttore tubolare Ø 59 mm
 con fine corsa meccanico

*Tubular motor Ø 59 mm with
 mechanical limit switch*

- F** Motoréducteur tubulaire Ø 59 mm avec fin de course mécanique
- D** Rohrmotor Ø 59 mm mit mechanischem Endschalter
- E** Motorreductor tubular Ø 59 mm con final de carrera mecánico
- P** Motorreductor tubular Ø 59 mm com fim de curso mecânico



codice	modello	carico*	coppia	velocità	alimentazione	potenza	assorbimento	tempo di funzionamento	giri fine corsa	lunghezza (L)
code	model	load*	torque	speed	power supply	power	rated current	working time	limit switch range	length (L)
		Kg	Nm	rpm	V/Hz	W	A	min.	n°	mm
27C002	ROLL 80	125	80	15	230/50	330	1,43	4	22	585
27C007	ROLL 100	165	100	9	230/50	340	1,52	4	22	585
27C402	ROLL 80	110	80	14	120/60	340	2,94	4	22	585

* Valore calcolato con rullo Ø 70 mm
 * Value calculated with roller Ø 70 mm



Serie HAND-ROLL



Motoriduttore tubolare Ø 59 mm
 con fine corsa meccanico e
 manovra di soccorso

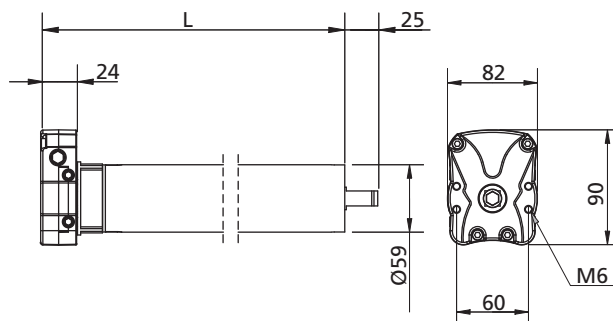
*Tubular motor Ø 59 mm with
 mechanical limit switch and
 manual override*

F Motoréducteur tubulaire Ø 59 mm avec
 fin de course mécanique et manœuvre
 de dépannage

D Rohrmotor Ø 59 mm mit mechanischem
 Endscharter und Notbedienung

E Motorreductor tubular Ø 59 mm con
 final de carrera mecánico y maniobra
 de emergencia

P Motorreductor tubular Ø 59 mm com
 fim de curso mecânico e manobra de
 emergência



codice	modello	carico*	coppia	velocità	alimentazione	potenza	assorbimento	tempo di funzionamento	giri fine corsa	lunghezza (L)
code	model	load*	torque	speed	power supply	power	rated current	working time	limit switch range	length (L)
		Kg	Nm	rpm	V/Hz	W	A	min.	n°	mm
27C013	HAND-ROLL 80	125	80	15	230/50	330	1,43	4	22	695
27C014	HAND-ROLL 100	165	100	9	230/50	340	1,52	4	22	695
27C413	HAND-ROLL 80	110	80	14	120/60	340	2,94	4	22	695

* Valore calcolato con rullo Ø 70 mm
 * Value calculated with roller Ø 70 mm

Electronica - *Electronics*
Electronique - Elektronik - Electrónica - Eletrónica



Serie DUO

434,15
MHz

Trasmittitore 434,15 Mhz
(attiva un gruppo di automazioni)

*434.15 Mhz transmitter
(for 1 group of automations)*

- F** Emetteur 434,15 Mhz
(pour 1 groupe d'automatisations)
- D** 434,15 Mhz-Handsender
(für 1 Automationsgruppe)
- E** Emisor de 434,15 Mhz
(para 1 grupo de automatizaciones)
- P** Emissor de 434,15 Mhz
(ativa 1 grupo de automações)



White line - cod. 10T001



Dark line - cod. 10T012



Silver line - cod. 10T008



Serie DUO LUX



Trasmittitore 1 canale 434,15 Mhz per un gruppo di automazioni + luce esterna e sensore sole on/off

1-channel-434.15 Mhz-transmitter for 1 group of automations + courtesy light and on/off sun sensor

- F** Emetteur 1 canal 434,15 Mhz pour 1 groupe d'automatisations + lumière de courtoisie et capteur soleil "on/off"
- D** 1-Kanal-434,15Mhz-Handsender für Steuerung zur 1 Gruppe Markisen/Rollläden + Innenleuchte und Sonnensensor "on/off"
- E** Emisor de 1 canal de 434,15 Mhz para 1 grupo de automatizaciones + luz de cortesía y sensor de sol "on/off"
- P** Emissor de 1 canal de 434,15 Mhz para 1 grupo de automações + luz de cortesía e sensor sol "on/off"



White line - cod. 10T007



Dark line - cod. 10T013



Silver line - cod. 10T009



Serie DUO4



Trasmittitore 4 canali 434,15 Mhz per 4 gruppi di automazioni + luce esterna e sensore sole on/off

4-channel-434.15 Mhz-transmitter for 4 groups of automations + courtesy light and on/off sun sensor

- F** Emetteur 4 canaux 434,15 Mhz pour 4 groupes d'automatisations + lumière de courtoisie et capteur soleil "on/off"
- D** 4-Kanal-434,15Mhz-Handsender für Steuerung zur 4 Gruppen Markisen/Rollläden + Innenleuchte und Sonnensensor "on/off"
- E** Emisor de 4 canales de 434,15 Mhz para 4 grupos de automatizaciones + luz de cortesía y sensor de sol "on/off"
- P** Emissor de 4 canais de 434,15 Mhz para 4 grupos de automações + luz de cortesia e sensor sol on/off



White line - cod. 10T004



Dark line - cod. 10T014



Silver line - cod. 10T010



Serie DUO6

434,15
MHz

Trasmittitore 6 canali 434,15 Mhz
per 6 gruppi di automazioni +
gestione gruppi multipli

*6-channel-434.15 Mhz-transmitter
for 6 groups of automations +
multi-group control*

- F** Emetteur 6 canaux 434,15 Mhz pour
6 groupes d'automatisations + fonction
multi-groupe
- D** 6-Kanal-434,15Mhz-Handsender
für Steuerung zur 6 Gruppen
Markisen/Rollläden + Multi-gruppen
Funktion
- E** Emisor de 6 canales de 434,15 Mhz para
6 grupos de automatizaciones + función
multi-grupos
- P** Emissor de 6 canais de 434,15 Mhz para
6 grupos de automações + comando de
gerenciamento multicanal



White line - cod. 10T003



Dark line - cod. 10T015



Silver line - cod. 10T011



Serie **ADLER1**

434,15
MHz

Trasmittitore da parete 434,15 Mhz
(attiva un gruppo di automazioni)

*434,15 Mhz wall-mounted
transmitter (for 1 group of
automations)*

- F** Emetteur mural 434,15 Mhz
(pour 1 groupe d'automatisations)
- D** 434,15 Mhz-Handsender für Wandmontage
(für 1 Automationsgruppe)
- E** Emisor de pared de 434,15 Mhz
(para 1 grupo de automatizaciones)
- P** Emissor de parede de 434,15 Mhz
(ativa 1 grupo de automações)



cod. 10K011

Serie **ADLER2**

434,15
MHz

Trasmittitore da parete 434,15 Mhz
per 2 gruppi di automazioni

*434.15 Mhz wall-mounted
transmitter for 2 groups of
automations*

- F** Emetteur mural 434,15 Mhz pour
2 groupes d'automatisations
- D** 434,15 Mhz-Handsender für Wandmontage
für 2 Automationsgruppen
- E** Emisor de pared de 434,15 Mhz para
2 grupos de automatizaciones
- P** Emissor de parede 434,15 Mhz para
2 grupos de automações



cod. 10K012



Serie **ADLER6**



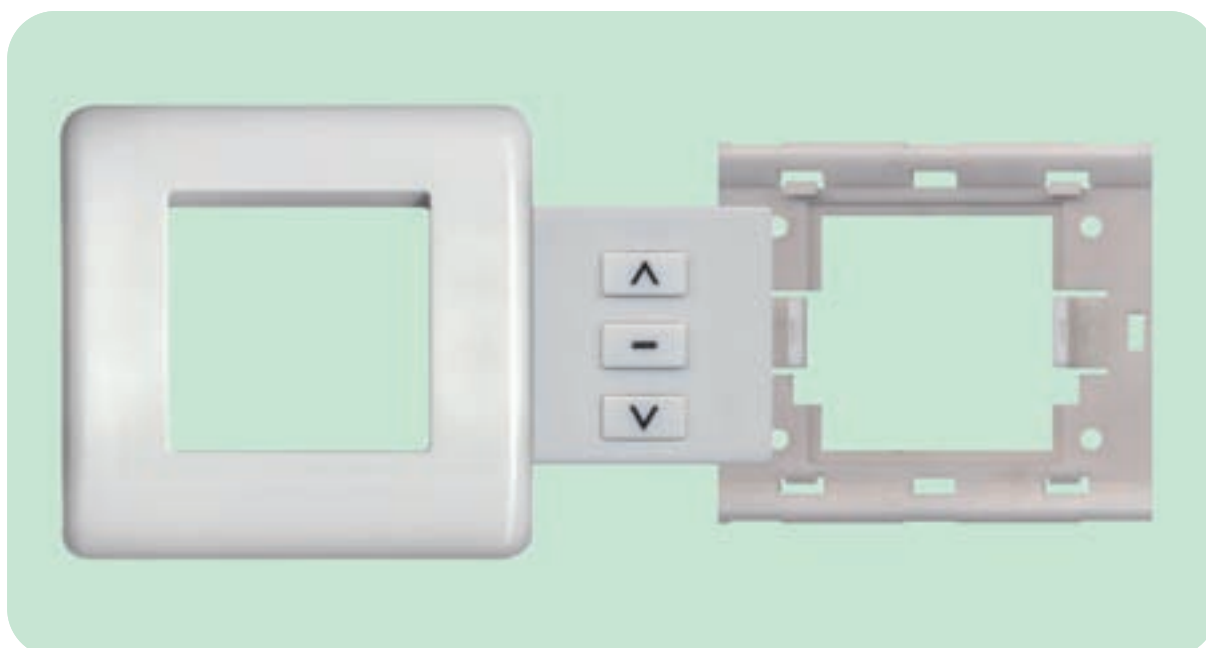
Trasmittitore da parete 434,15 Mhz
per 6 gruppi di automazioni
+ sensore sole on/off

*434.15 Mhz wall-mounted
transmitter for 6 groups of
automations + on/off sun sensor*

- F** Emetteur mural 434,15 Mhz pour
6 groupes d'automatisations + capteur
soleil "on/off"
- D** 434,15Mhz-Handsender für Wandmontage
für 6 Automationsgruppen + Sonnensensor
"on/off"
- E** Emisor de pared de 434,15 Mhz para
6 grupos de automatizaciones + sensor de
sol "on/off"
- P** Emissor de parede de 434,15 Mhz para
6 grupos de automações + sensor sol on/off



cod. 10K013





Serie CU3 - CU4 - CU5



Centrale di comando da esterno per automazioni di tende o tapparelle

External control unit for the automation of awnings or rolling shutters

- F** Armoire de commande d'extérieur pour l'automatisation de stores et volets roulants
- D** Außensteuerung zur Automation von Markisen und Rollläden
- E** Cuadro de maniobras para la automatización de toldos o persianas domesticas para intemperie
- P** Quadro elétrico de exterior para a automação de toldos ou persianas



I

- **CU3** - Uscita per 1 motore
- **CU4** - Uscita per 2 motori indipendenti oppure funzionanti in modo sincronizzato sullo stesso asse
- **CU5** - Uscita per 1 motore
- Uscita per comando luce con potenza fino 500 W

CARATTERISTICHE COMUNI:

- Ingressi indipendenti per pulsanti UP/DOWN oppure pulsante APRE/STOP/CHIUDE/STOP
- Ingresso per sensori MISTRAL/HURRICANE
- Livelli sensori di VENTO, SOLE, TEMPERATURA regolabili da trasmettitore o direttamente a bordo centrale
- Ingresso per gestire la chiusura, in arrivo da centrali antifurto
- Ricevitore radio ad innesto (opzionale) 434,15 MHz compatibile con i trasmettitori serie DUO e ADLER
- Possibilità di memorizzare fino a 38 trasmettitori

GB

- **CU3** - Output for 1 motor
- **CU4** - Output for 2 motors, independent or synchronized on the same axis
- **CU5** - Output for 1 motor
- Output for light control, with power up to 500 W

COMMON FEATURES

- Independent inputs for UP/DOWN push buttons or OPEN/STOP/CLOSE/STOP push button
- Input for MISTRAL/HURRICANE sensors
- WIND, SUN, TEMPERATURE sensor levels adjustable by transmitter or directly on the control unit
- Management of closure input with control arriving from burglar alarm control unit
- Plug-in radio receiver (optional) at the frequency of 434.15 Mhz compatible with DUO and ADLER series transmitters
- Possibility to store up to 38 transmitters



F

- **CU3** - Sortie pour 1 moteur
- **CU4** - Sortie pour 2 moteurs indépendants ou fonctionnant de manière synchrone sur le même axe
- **CU5** - Sortie pour 1 moteur
- Sortie pour commande éclairage, avec puissance jusqu'à 500 W

CARACTÉRISTIQUES COMMUNES

- Entrées indépendantes pour touches UP/DOWN ou touche OUVRE/STOP/FERME/STOP
- Entrée pour capteurs MISTRAL/HURRICANE
- Niveaux des capteurs de VENT, SOLEIL, TEMPÉRATURE réglables par émetteur ou directement par l'armoire de commande
- Entrée pour gérer la fermeture avec commande provenant des armoires antivol
- Récepteur radio embrochable (en option) à la fréquence de 434,15 Mhz compatible avec les émetteurs de la série DUO et ADLER
- Possibilité de mémoriser jusqu'à 38 émetteurs

E

- **CU3** - Salida para 1 motor
- **CU4** - Salida para 2 motores independientes o con funcionamiento sincronizado en el mismo eje
- **CU5** - Salida para 1 motor
- Salida para luz de cortesia con potencia hasta 500 W

CARACTERÍSTICAS COMUNES

- Entradas independientes para pulsadores UP/DOWN o para pulsadores ABRIR/STOP/CERRAR/STOP
- Entrada para sensores MISTRAL/HURRICANE
- Niveles de los sensores de VIENTO, SOL y TEMPERATURA ajustables por el transmisor o directamente desde el cuadro
- Entrada para la gestión de un cierre total proveniente de una alarma
- Receptor de radio enchufable (opcional) de 434,15 Mhz compatible con los emisores DUO y ADLER
- Posibilidad de memorizar hasta 38 emisores

D

- **CU3** - Ausgang für 1 Motor
- **CU4** - Ausgang für 2 unabhängige Motoren oder 2 Motoren synchronisierte auf derselben Achse
- **CU5** - Ausgang für 1 Motor
- Ausgang für Lichtsteuerung, mit Leistung bis zu 500 W

GEMEINE EIGENSCHAFTEN

- Unabhängige Eingänge für die Drucktasten UP/DOWN oder die Drucktaste ÖFFNEN/STOP/SCHLIESSEN/STOP
- Eingang für die Sensoren MISTRAL/HURRICANE
- Die Stufe der WIND-, SONNEN- und TEMPERATURSENSOREN sind vom Sender aus oder direkt an der Steuerung regelbar
- Eingang zur Steuerung der Schließung, eingehend von Alarmsteuerungen
- Steckfunkempfänger (optional) auf der Frequenz 434,15 Mhz kompatibel mit den Sendern DUO und ADLER
- Möglichkeit der Speicherung von bis zu 38 Sendern

P

- **CU3** - Saída para 1 motor
- **CU4** - Saída para 2 motores independientes ou com funcionamento sincronizado no mesmo eixo
- **CU5** - Saída para 1 motor
- Saída para comando luz com potência até 500 W

CARATERÍSTICAS EM COMUM

- Entradas independentes para botões UP/DOWN ou botão ABRE/STOP/FECHA/STOP
- Entrada para sensores MISTRAL/HURRICANE
- Níveis sensores de VENTO, SOL, TEMPERATURA reguláveis pelo emissor ou directamente no quadro
- Entrada para gerenciar o fechamento em chegada de centrais antifurto
- Receptor rádio ligável (opcional) à frequência 434,15 MHz compatível com os emissores série DUO e ADLER
- Possibilidade para memorizar até 38 emissores



MT 434,15
cod. 11B037

Ricevitore a innesto per centrali CU3 / 4 / 5
Plug-in receiver for control units CU3 / 4 / 5

- F** Récepteur embrochable pour armoires CU3 / 4 / 5
- D** Steckempfänger für Steuerungen CU3 / 4 / 5
- E** Receptor enchufable para cuadros CU3 / 4 / 5
- P** Receptor ligável para quadros CU3 / 4 / 5

codice	modello	alimentazione	protezione	dimensioni	potenza
code	model	power supply	protection	dimensions	power
		V/Hz	IP	mm	W
12E058	CU3	230/50	55	142 x 120 x 42	500
12E061	CU3-120V	120/60	55	142 x 120 x 42	500
12E059	CU4	230/50	55	142 x 120 x 42	2 x 500
12E062	CU4-120V	120/60	55	142 x 120 x 42	2 x 500
12E060	CU5	230/50	55	142 x 120 x 42	500 + 500
12E063	CU5-120V	120/60	55	142 x 120 x 42	500 + 500



Serie CU1



Centrale di comando da esterno per automazioni di tende o tapparelle. Ricevitore integrato, funzione vento, sole e temperatura

External control unit for the automation of awnings or rolling shutters. Built-in receiver, wind, sun and temperature function

F Armoire de commande d'extérieur pour l'automatisation de stores et volets roulants. Récepteur intégré, fonction vent, soleil et température

D Außensteuerung zur Automation von Markisen und Rollläden. Mit eingebautem Empfänger, Wind- Sonnen- und Temperaturfunktion

E Cuadro de maniobras para la automatización de toldos o persianas domesticas. Receptor incorporado, función viento, sol y temperatura

P Quadro elétrico de exterior para a automação de toldos ou persianas. Receptor integrado, função vento, sol e temperatura



codice	modello	alimentazione	frequenza	protezione	dimensioni	potenza
code	model	power supply	frequency	protection	dimensions	power
		V/Hz	MHz	IP	mm	W
12E033	CU1 434	230/50	434,15	55	127 x 41 x 24	700
12E054	CU1 434 120V	120/60	434,15	55	127 x 41 x 24	700

Serie PRG1

230V

Modulo per comando centralizzato motore singolo

Centralized control module for single motor

F Module de commande centralisé moteur unique

D Modul zur zentralisierten Steuerung eines Motors

E Módulo individual para comando centralizado

P Módulo comando centralizado motor simple



codice	modello	alimentazione	protezione	dimensioni	potenza
code	model	power supply	protection	dimensions	power
		V/Hz	IP	mm	W
12G026	PRG1	230/50	20	88 x 42 x 26	1500



Serie PRG2

230V

Scheda di espansione per 2 motori (comando singolo)

Expansion board for 2 motors (single control)

- F** Platine d'expansion pour 2 moteurs (commande unique)
- D** Speicherweiterung Platine für 2 Motoren (einfache Steuerung)
- E** Duplicador de salida de motor (comando único)
- P** Modulo de expansão para 2 motores (comando único)



codice	modello	alimentazione	protezione	dimensioni	potenza
code	model	power supply	protection	dimensions	power
		V/Hz	IP	mm	W
12G013	PRG2	230/50	55	127 x 41 x 24	2 x 1500

Serie PRG3

230V

120V

Scheda di espansione per 3 motori

Expansion board for 3 motors

- F** Platine d'expansion pour 3 moteurs
- D** Speicherweiterung Platine für 3 Motoren
- E** Triplicador de salida de motor
- P** Módulo de expansão para 3 motores



codice	modello	alimentazione	protezione	dimensioni	potenza
code	model	power supply	protection	dimensions	power
		V/Hz	IP	mm	W
12G008	PRG3	230/50	55	113 x 113 x 57	3 x 1000
12G009	PRG3-120V	120/60	55	113 x 113 x 57	3 x 1000



Serie MISTRAL



Anemometro

D Anemometer

Anemometer

E Anemómetro

F Anémomètre

P Anemómetro

Serie HURRICANE



Anemometro con sensore di sole e temperatura

Anemometer with sun and temperature sensor

F Anémomètre avec capteur de soleil et température

D Anemometer mit Sonnen- und Temperatursensor

E Anemómetro con sensor de sol y temperatura

P Anemómetro com sensor de sol e temperatura

Serie HURRICANE-RS



Anemometro con sensore di sole e temperatura - segnale via RADIO

Anemometer with sun and temperature sensor - WIRELESS

F Anémomètre avec capteur de soleil et température - PAR RADIO

D Anemometer mit Sonnen- und Temperatursensor - ÜBER FUNK

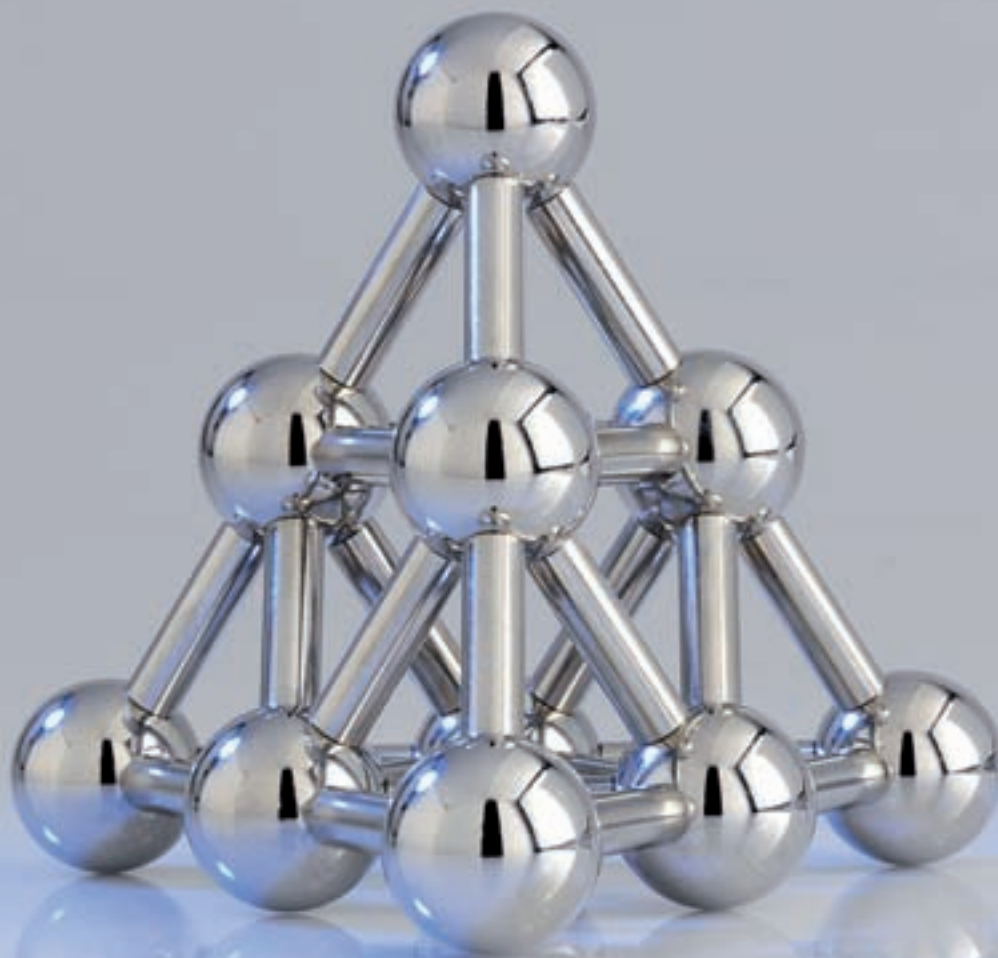
E Anemómetro con sensor de sol y temperatura - VIA RADIO

P Anemómetro com sensor de sol e temperatura - VIA RÁDIO

codice	modello	alimentazione	protezione	potenza assorbita
code	model	power supply	protection	absorbed power
		V/Hz	IP	W
18A009	MISTRAL	230/50 - 120/60	44	3,5
18A010	HURRICANE	230/50	44	3,5
18A012	HURRICANE-120V	120/60	44	3,5
18A011	HURRICANE-RS	230/50	44	3,5
18A013	HURRICANE-RS 120V	120/60	44	3,5



Accessori - Accessories
Accessoires - Zubehör - Accesorios - Acessórios





Accessori Ø35mm

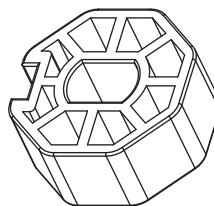
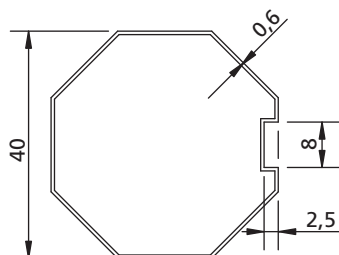
Tube - Tube

Puleggia - Pulley

Corona - Crown

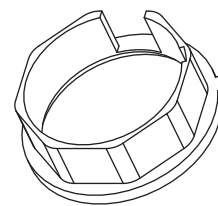
Ottagonale Ø 40 Octagonal Ø 40

- Octogonal Ø 40
- Achteckig Ø 40
- Octogonal Ø 40
- Octogonal Ø 40



PL

cod. 162710

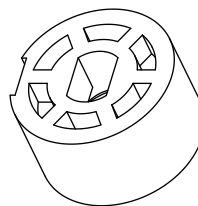
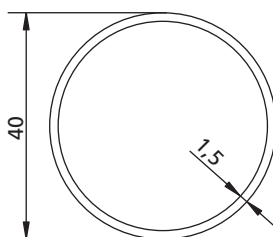


PL

cod. 162711

Tondo Ø 40 x 1,5 Round Ø 40 x 1,5

- Rond Ø 40 x 1,5
- Rund Ø 40 x 1,5
- Redondo Ø 40 x 1,5
- Redondo Ø 40 x 1,5



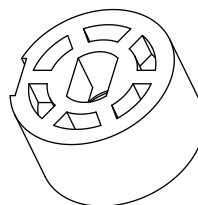
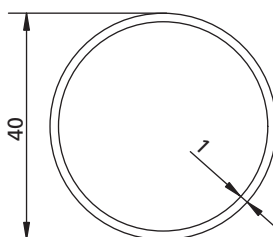
PL

cod. 162712

-

Tondo Ø 40 x 1 Round Ø 40 x 1

- Rond Ø 40 x 1
- Rund Ø 40 x 1
- Redondo Ø 40 x 1
- Redondo Ø 40 x 1



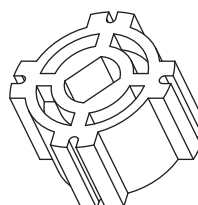
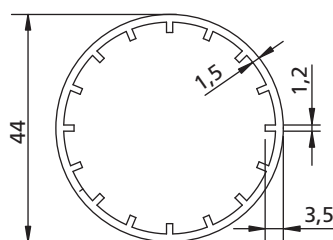
PL

cod. 162781

-

Tondo Ø 44 Round Ø 44

- Rond Ø 44
- Rund Ø 44
- Redondo Ø 44
- Redondo Ø 44



PL

cod. 162713

-



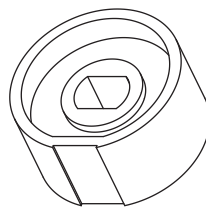
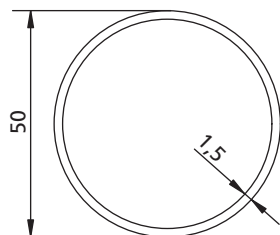
Tubo - Tube

Puleggia - Pulley

Corona - Crown

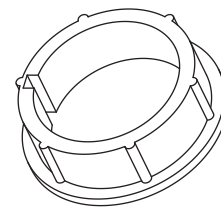
Tondo Ø 50
Round Ø 50

- Rond Ø 50
- Rund Ø 50
- Redondo Ø 50
- Redondo Ø 50



PL

cod. 162757

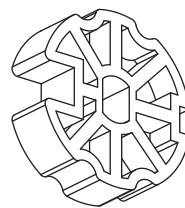
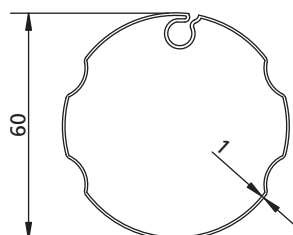


PL

cod. 162709

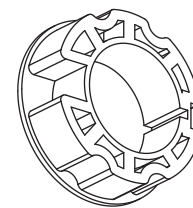
Ogiva Ø 60 ondulato
Corrugated notch Ø 60

- Gorge Ø 60 ondulée
- Wellkerbe Ø 60
- Ojiva Ø 60 ondulada
- Ranhura Ø 60 ondulada



PL

cod. 162782



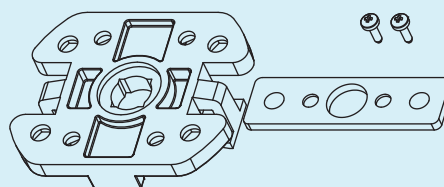
PL

cod. 162783

cod. 162849

Supporto ad incastro per motore Veo (max. 10Nm)
Snap-in bearing for motor Veo (max. 10Nm)

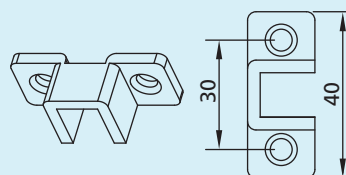
- Support embrochable pour moteur Veo (max. 10 Nm)
- Steckhalterung für Motor Veo (max. 10 Nm)
- Soporte de encaje para motor Veo (max. 10 Nm)
- Suporte de encaixe para motor Veo (max. 10 Nm)



cod. 162729

Supporto da parete 10 x 10 mm (max. 10Nm)
Wall bearing 10 x 10 mm (max. 10Nm)

- Support mural 10 x 10 mm (max. 10 Nm)
- Wandhalterung 10 x 10 mm (max. 10 Nm)
- Soporte de pared 10 x 10 mm (max. 10 Nm)
- Suporte de parede 10 x 10 mm (max. 10 Nm)





Accessori $\varnothing 45\text{mm}$

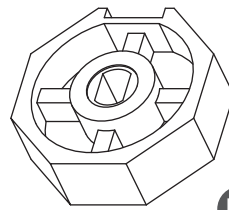
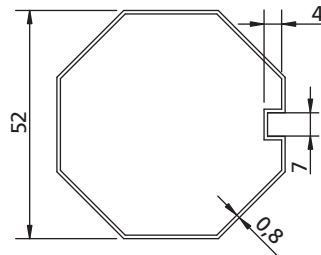
Tubo - Tube

Puleggia - Pulley

Corona - Crown

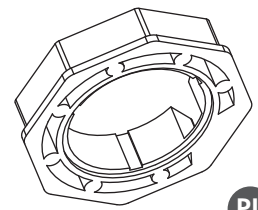
Ottagonale $\varnothing 52$ Octagonal $\varnothing 52$

- Octogonal $\varnothing 52$
- Achteckig $\varnothing 52$
- Octagonal $\varnothing 52$
- Octogonal $\varnothing 52$



PL

cod. 162751

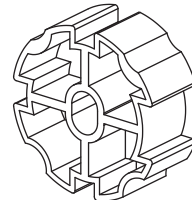
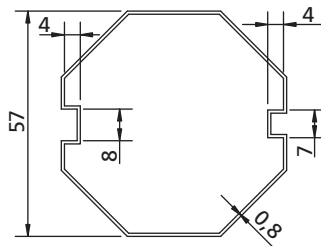


PL

cod. 162752

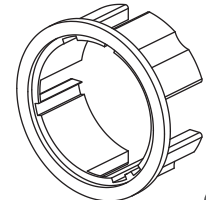
Ottagonale $\varnothing 57$ Octagonal $\varnothing 57$

- Octogonal $\varnothing 57$
- Achteckig $\varnothing 57$
- Octagonal $\varnothing 57$
- Octogonal $\varnothing 57$



PL

cod. 162866

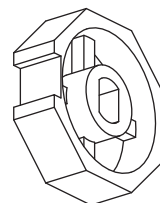
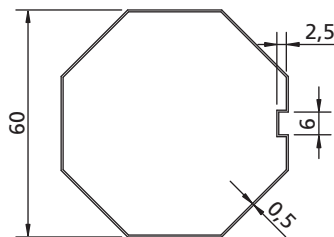


PL

cod. 162867

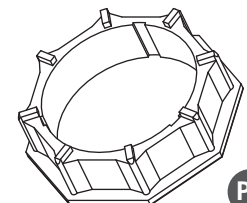
Ottagonale $\varnothing 60$ Octagonal $\varnothing 60$

- Octogonal $\varnothing 60$
- Achteckig $\varnothing 60$
- Octagonal $\varnothing 60$
- Octogonal $\varnothing 60$



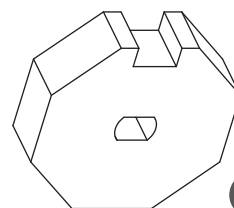
AL

cod. 162714



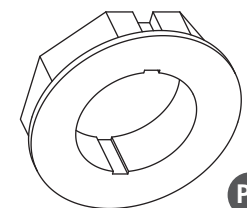
PL

cod. 162717



PL

cod. 163401

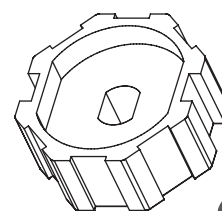
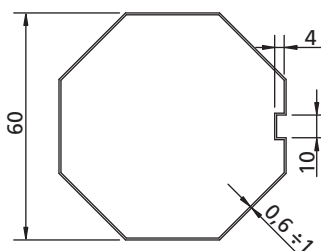


PL

cod. 163402

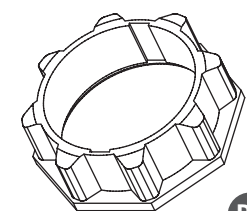
Ottagonale $\varnothing 60$ Octagonal $\varnothing 60$

- Octogonal $\varnothing 60$
- Achteckig $\varnothing 60$
- Octagonal $\varnothing 60$
- Octogonal $\varnothing 60$



PL

cod. 162801



PL

cod. 162802



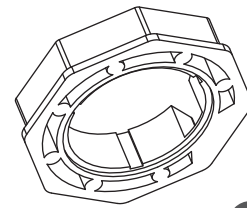
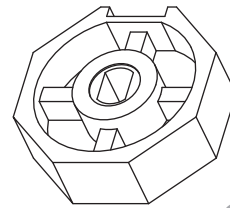
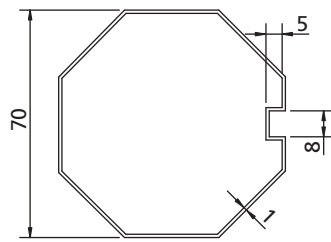
Tubo - Tube

Puleggia - Pulley

Corona - Crown

Ottagonale Ø 70
 Octagonal Ø 70

- Octogonal Ø 70
- Achteckig Ø 70
- Octagonal Ø 70
- Octogonal Ø 70



AL

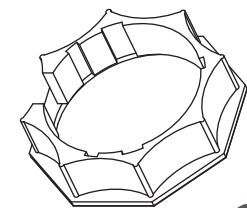
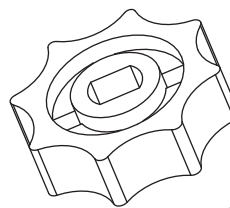
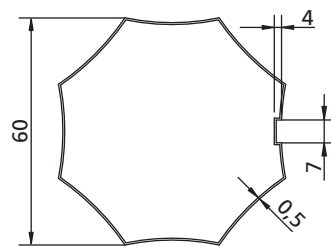
PL

cod. 162718

cod. 162719

Stella Ø 60
 Star Ø 60

- Étoile Ø 60
- Stern Ø 60
- Estrella Ø 60
- Estrela Ø 60



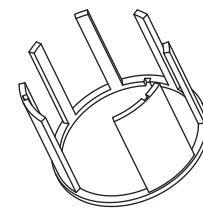
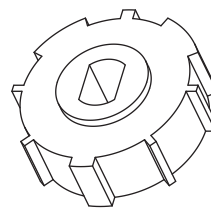
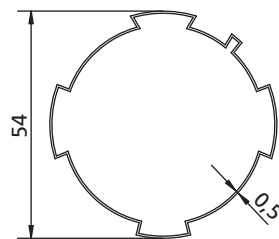
AL

PL

cod. 162716

cod. 162715

ZF54



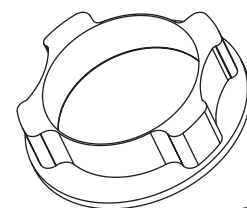
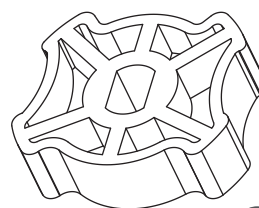
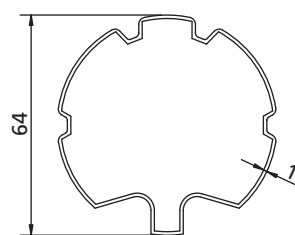
PL

PL

cod. 162808

cod. 162809

ZF64



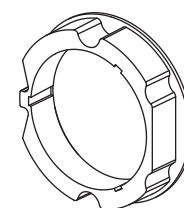
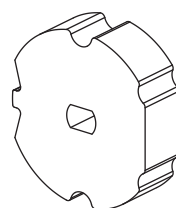
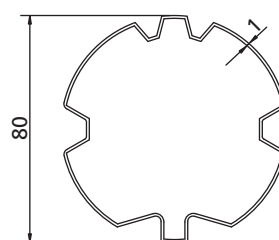
PL

PL

cod. 162786

cod. 162891

ZF80



PL

PL

cod. 162898

cod. 162899



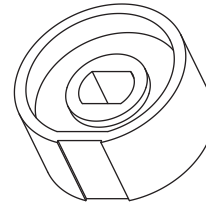
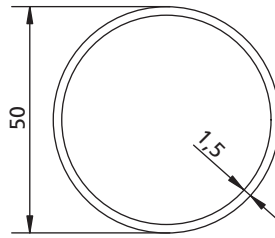
Tubo - Tube

Puleggia - Pulley

Corona - Crown

**Tondo Ø 50
Round Ø 50**

- Rond Ø 50
- Rund Ø 50
- Redondo Ø 50
- Redondo Ø 50



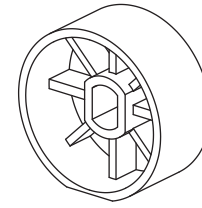
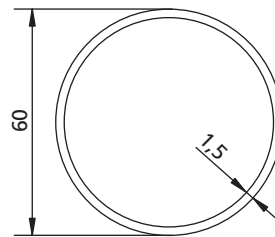
PL

cod. 162757

-

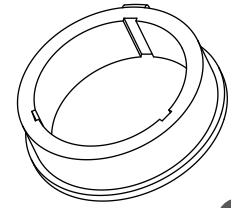
**Tondo Ø 60 x 1,5
Round Ø 60 x 1,5**

- Rond Ø 60 x 1,5
- Rund Ø 60 x 1,5
- Redondo Ø 60 x 1,5
- Redondo Ø 60 x 1,5



PL

cod. 162762

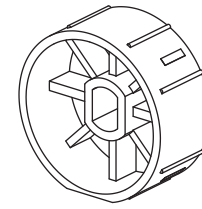
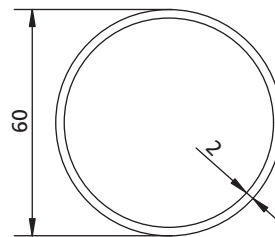


PL

cod. 162763

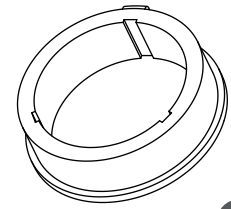
**Tondo Ø 60 x 2
Round Ø 60 x 2**

- Rond Ø 60 x 2
- Rund Ø 60 x 2
- Redondo Ø 60 x 2
- Redondo Ø 60 x 2



PL

cod. 163403

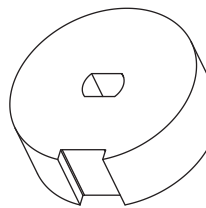
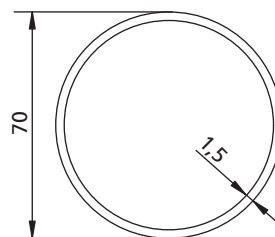


PL

cod. 162763

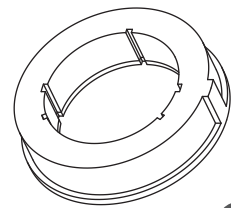
**Tondo Ø 70
Round Ø 70**

- Rond Ø 70
- Rund Ø 70
- Redondo Ø 70
- Redondo Ø 70



AL

cod. 162798

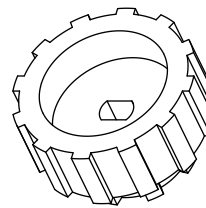
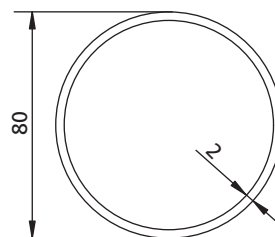


PL

cod. 162799

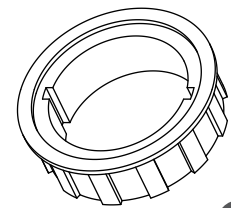
**Tondo Ø 80
Round Ø 80**

- Rond Ø 80
- Rund Ø 80
- Redondo Ø 80
- Redondo Ø 80



PL

cod. 162771



PL

cod. 162770

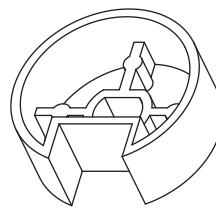
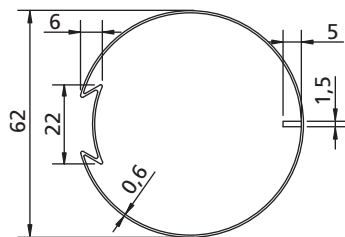


Tubo - Tube

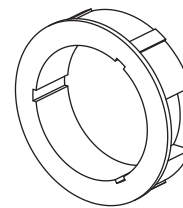
Puleggia - Pulley

Corona - Crown

Deprat Ø 62



PL

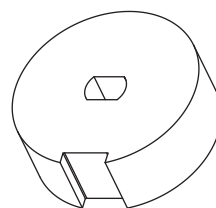
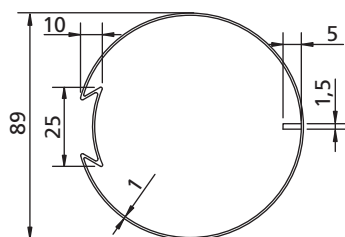


PL

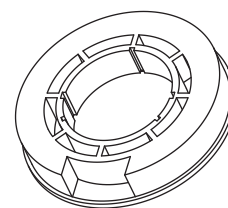
cod. 162767

cod. 162862

Deprat Ø 89



AL



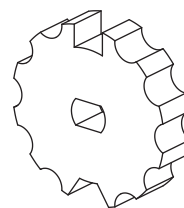
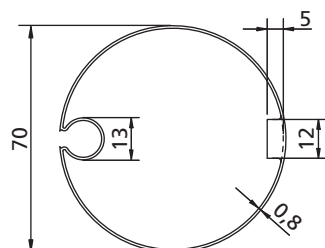
PL

cod. 162806

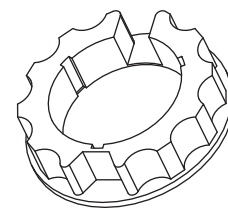
cod. 162807

Ogiva Ø 70
 Notch Ø 70

- Gorge Ø 70
- Kerbe Ø 70
- Ojiva Ø 70
- Ranhura Ø 70



AL



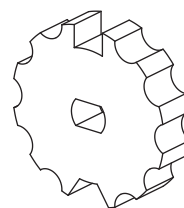
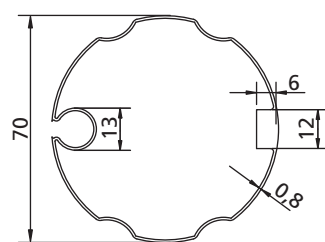
PL

cod. 163404

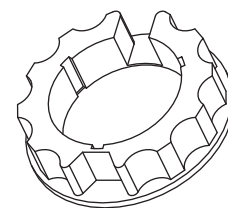
cod. 162721

Ogiva Ø 70 ondulato
 Corrugated notch Ø 70

- Gorge Ø 70 ondulée
- Wellkerbe Ø 70
- Ojiva Ø 70 ondulada
- Ranhura Ø 70 ondulada



AL



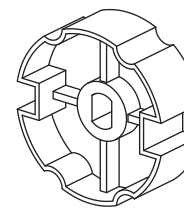
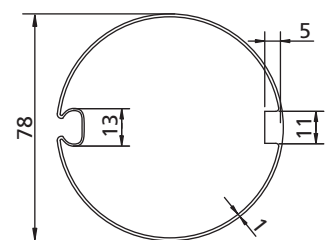
PL

cod. 163404

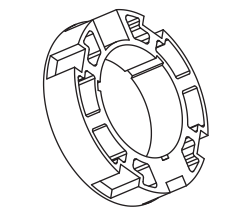
cod. 162721

Ogiva Ø 78 piatta
 Flat notch Ø 78

- Gorge Ø 78 plate
- Flachkerbe Ø 78
- Ojiva Ø 78 plana
- Ranhura Ø 78 plana



PL



PL

cod. 162758

cod. 162759



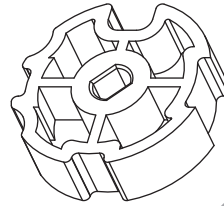
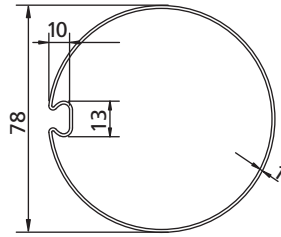
Tubo - Tube

Puleggia - Pulley

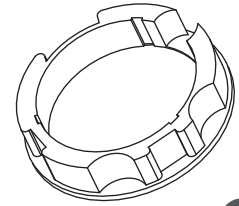
Corona - Crown

**Ogiva Ø 78 piatta
Flat notch Ø 78**

- Gorge Ø 78 plate
- Flachkerbe Ø 78
- Ojiva Ø 78 plana
- Ranhura Ø 78 plana



AL



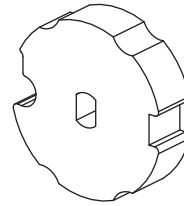
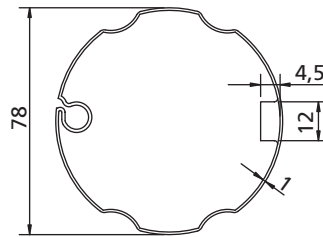
PL

cod. 162722

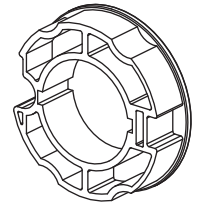
cod. 162723

**Ogiva Ø 78 Rollerbat
Notch Ø 78 Rollerbat**

- Gorge Ø 78 Rollerbat
- Kerbe Ø 78 Rollerbat
- Ojiva Ø 78 Rollerbat
- Ranhura Ø 78 Rollerbat



AL



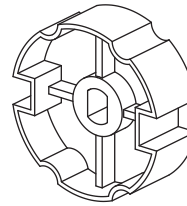
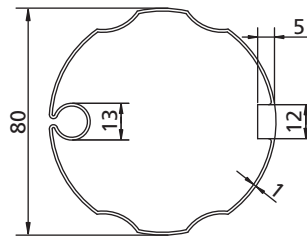
PL

cod. 163405

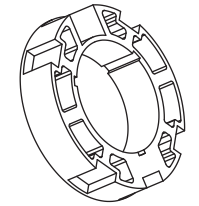
cod. 163406

**Ogiva Ø 80 ondulato
Corrugated notch Ø 80**

- Gorge Ø 80 ondulée
- Wellkerbe Ø 80
- Ojiva Ø 80 ondulada
- Ranhura Ø 80 ondulada



PL



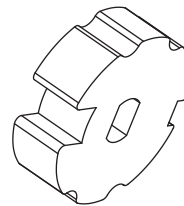
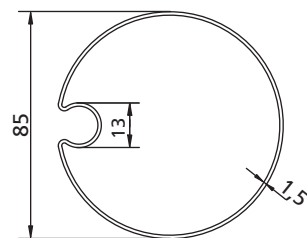
PL

cod. 162758

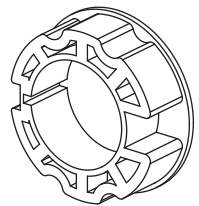
cod. 162759

**Ogiva Ø 85
Notch Ø 85**

- Gorge Ø 85
- Kerbe Ø 85
- Ojiva Ø 85
- Ranhura Ø 85



PL



PL

cod. 162896

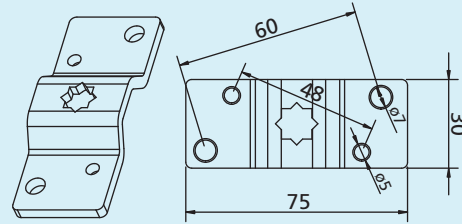
cod. 162895



cod. 162728

Supporto da parete 10 x 10 mm (max. 30 Nm)
Wall bearing 10 x 10 mm (max. 30 Nm)

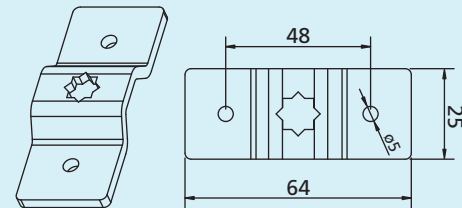
- Support mural 10 x 10 mm (max. 30 Nm)
- Wandhalterung 10 x 10 mm (max. 30 Nm)
- Soporte de pared 10 x 10 mm (max. 30 Nm)
- Suporte de parede 10 x 10 mm (max. 30 Nm)



cod. 162847

Supporto da parete 10 x 10 mm (max. 30 Nm)
Wall bearing 10 x 10 mm (max. 30 Nm)

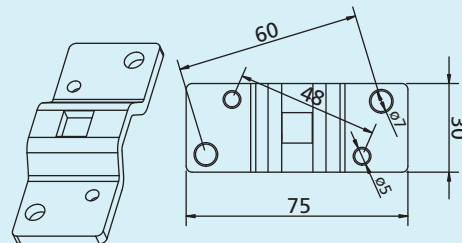
- Support mural 10 x 10 mm (max. 30 Nm)
- Wandhalterung 10 x 10 mm (max. 30 Nm)
- Soporte de pared 10 x 10 mm (max. 30 Nm)
- Suporte de parede 10 x 10 mm (max. 30 Nm)



cod. 162829

Supporto da parete 10 x 10 mm (max. 50 Nm)
Wall bearing 10 x 10 mm (max. 50 Nm)

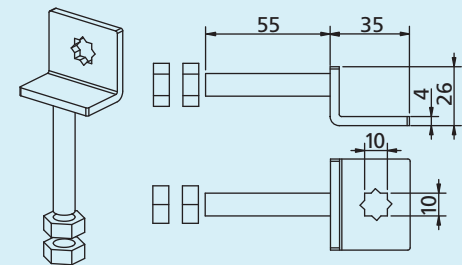
- Support mural 10 x 10 mm (max. 50 Nm)
- Wandhalterung 10 x 10 mm (max. 50 Nm)
- Soporte de pared 10 x 10 mm (max. 50 Nm)
- Suporte de parede 10 x 10 mm (max. 50 Nm)



cod. 162733

Supporto regolabile verticale 10x10 mm
Vertical adjustable bearing 10 x 10 mm

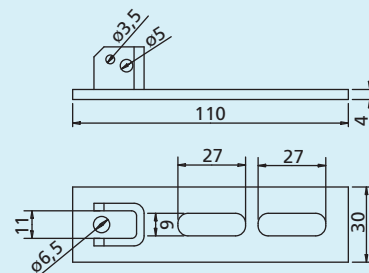
- Support vertical réglable 10 x 10 mm
- Vertikale einstellbare Halterung 10 x 10 mm
- Soporte vertical ajustable 10 x 10 mm
- Suporte vertical regulável 10 x 10 mm



cod. 162822

Supporto regolabile verticale con asola 10x10 mm
Vertical adjustable bearing with slot 10 x 10 mm

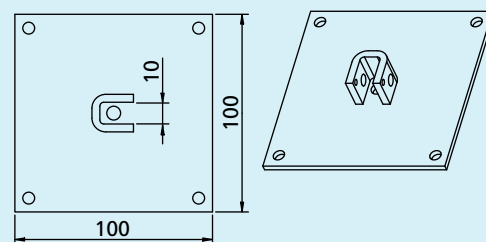
- Support vertical réglable avec fente 10 x 10 mm
- Vertikale einstellbare Halterung mit Langloch 10x10 mm
- Soporte vertical ajustable con ojal 10 x 10 mm
- Suporte vertical regulável com olhal 10 x 10 mm



cod. 162764

Supporto a piastra quadra 10x10 mm
Square plate bearing 10 x 10 mm

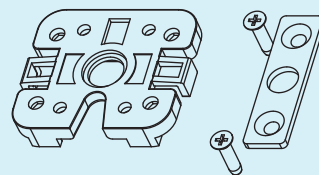
- Support à plaque carrée 10 x 10 mm
- Quadratische Halterungsplatte 10 x 10 mm
- Soporte con placa cuadrada 10 x 10 mm
- Suporte com placa quadrada 10 x 10 mm



cod. 162773

Supporto ad incastro per motore serie Twink (max. 20Nm)
Snap-in bearing for Twink motor (max. 20 Nm)

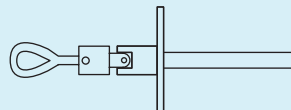
- Support embrochable pour moteur Twink (max. 20 Nm)
- Steckhalterung für Motor Twink (max. 20 Nm)
- Soporte de encaje para motor Twink (max. 20 Nm)
- Suporte de encaixe para motor Twink (max. 20 Nm)



cod. 162823

Snodo 45° esagono 7
45° joint hexagon 7

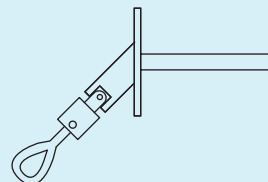
- Joint 45° hexagone 7
- Gelenk 45° mit sechskantigem Bolzen 7
- Articulación 45° hexágono 7
- Articulação 45° hexágono 7



cod. 162824

Snodo 90° esagono 7
90° joint hexagon 7

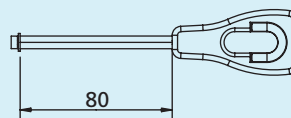
- Joint 90° hexagone 7
- Gelenk 90° mit sechskantigem Bolzen 7
- Articulación 90° hexágono 7
- Articulação 90° hexágono 7



cod. 162825

Occhiolo 80 mm esagono 7
Eyelet 80 mm hexagon 7

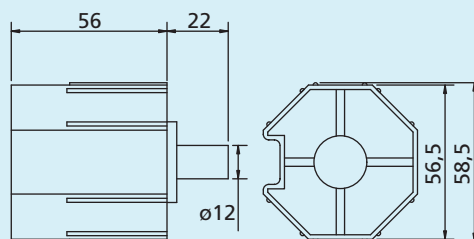
- Oeillet 80 mm hexagone 7
- Augenschraube 80 mm mit sechskantigem Bolzen 7
- Ojal 80 mm hexágono 7
- Olhal 80 mm hexágono 7



cod. 162868

Calotta per tubo ottagonale Ø 60 mm
Cap for 60 mm octagonal tube

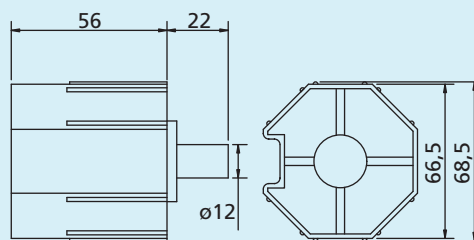
- Calotte pour tuyau octogonale de 60 mm
- Kappe für Achtkantrohr 60 mm
- Tapa para tubo octogonal de 60 mm
- Tampa para tubo octogonal de 60 mm



cod. 162811

Calotta per tubo ottagonale Ø 70 mm
Cap for 70 mm octagonal tube

- Calotte pour tuyau octogonale de 70 mm
- Kappe für Achtkantrohr 70 mm
- Tapa para tubo octogonal de 70 mm
- Tampa para tubo octogonal de 70 mm

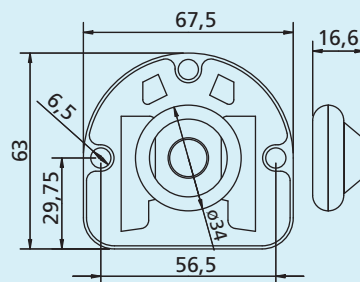




cod. 162869

Staffa da parete con cuscinetto
Wall bracket with bearing

- Étrier mural avec coussinet
- Wandbügel mit Lager
- Soporte de pared con cojinete
- Abraçadeira de parede com rolamento



cod. 162885

Staffa di sicurezza a uncino con 3 segmenti e anello ottagonale Ø 60 mm
Safety hooked bracket with 3 segments and octagonal ring Ø 60 mm

- Étrier de sécurité à crochet avec 3 segments et bague octogonale Ø 60 mm
- Hakenförmiger Sicherungsbügel mit 3 Segmenten und Achtkantring Ø 60 mm
- Abrazadera de seguridad con gancho de 3 segmentos y anilla octagonal Ø 60 mm
- Abraçadeira de segurança tipo gancho com 3 segmentos e anel octogonal Ø 60 mm





Accessori $\varnothing 59\text{mm}$

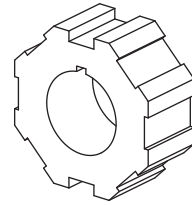
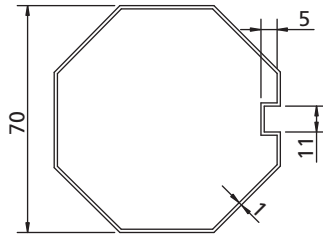
Tubo - Tube

Puleggia - Pulley

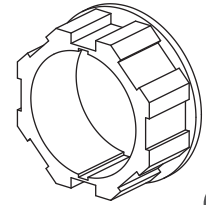
Corona - Crown

Ottagonale $\varnothing 70$ Octagonal $\varnothing 70$

- Octogonal $\varnothing 70$
- Achteckig $\varnothing 70$
- Octagonal $\varnothing 70$
- Octogonal $\varnothing 70$



AL

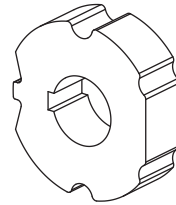
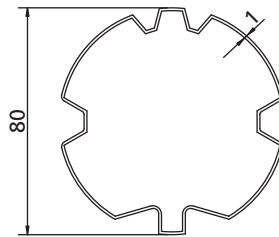


PL

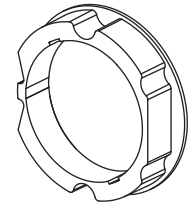
cod. 162726

cod. 162727

ZF80



AL



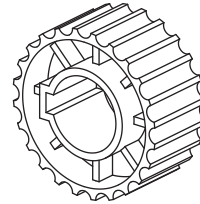
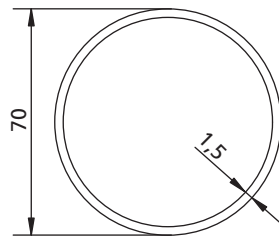
PL

cod. 162857

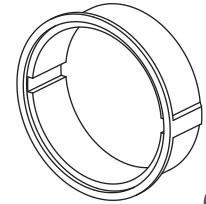
cod. 162856

Tondo $\varnothing 70$ Round $\varnothing 70$

- Rond $\varnothing 70$
- Rund $\varnothing 70$
- Redondo $\varnothing 70$
- Redondo $\varnothing 70$



PL



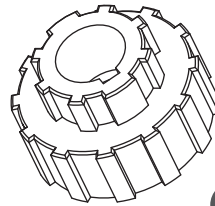
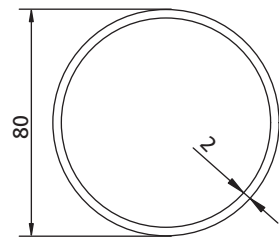
PL

cod. 162864

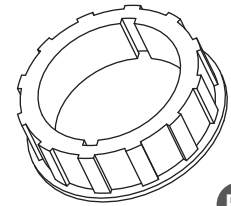
cod. 162865

Tondo $\varnothing 80$ Round $\varnothing 80$

- Rond $\varnothing 80$
- Rund $\varnothing 80$
- Redondo $\varnothing 80$
- Redondo $\varnothing 80$



PL



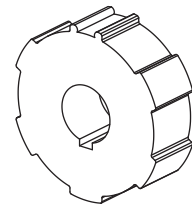
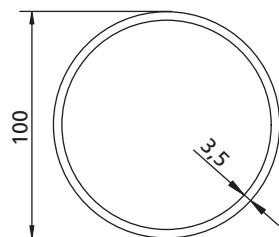
PL

cod. 162746

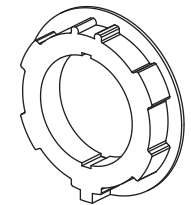
cod. 162747

Tondo $\varnothing 100 \times 3,5$ Round $\varnothing 100 \times 3,5$

- Rond $\varnothing 100 \times 3,5$
- Rund $\varnothing 100 \times 3,5$
- Redondo $\varnothing 100 \times 3,5$
- Redondo $\varnothing 100 \times 3,5$



AL



PL

cod. 162859

cod. 162858



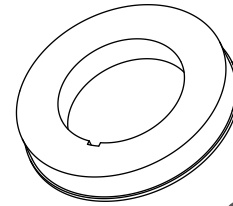
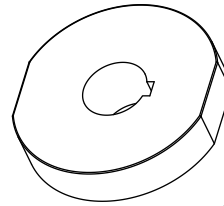
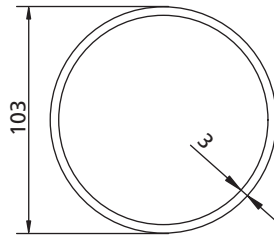
Tubo - Tube

Puleggia - Pulley

Corona - Crown

**Tondo Ø 103
 Round Ø 103**

- Rond Ø 103
- Rund Ø 103
- Redondo Ø 103
- Redondo Ø 103



AL

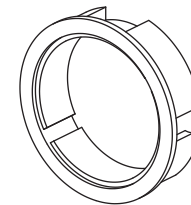
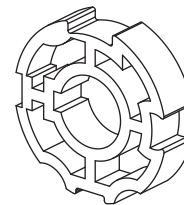
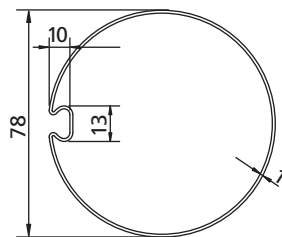
PL

cod. 162775

cod. 162774

**Ogiva Ø 78 piatta
 Flat notch Ø 78**

- Gorge Ø 78 plate
- Flachkerbe Ø 78
- Ojiva Ø 78 plana
- Ranhura Ø 78 plana



AL

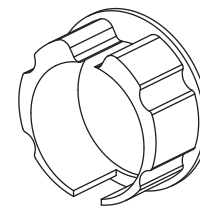
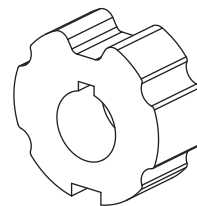
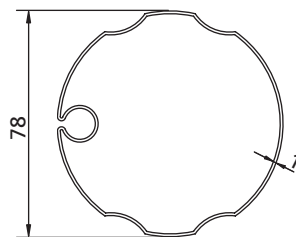
PL

cod. 162861

cod. 162860

**Ogiva Ø 78 Bat
 Notch Ø 78 Bat**

- Gorge Ø 78 Bat
- Kerbe Ø 78 Bat
- Ojiva Ø 78 Bat
- Ranhura Ø 78 Bat



PL

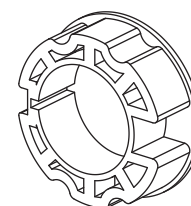
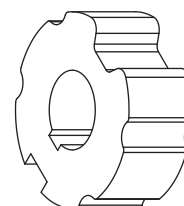
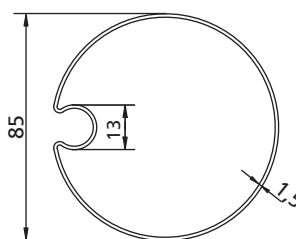
PL

cod. 162784

cod. 162785

**Ogiva Ø 85
 Notch Ø 85**

- Gorge Ø 85
- Kerbe Ø 85
- Ojiva Ø 85
- Ranhura Ø 85



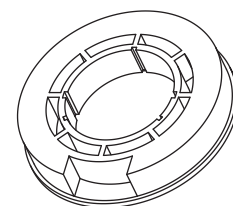
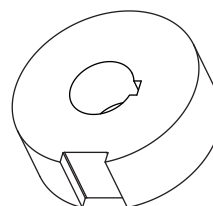
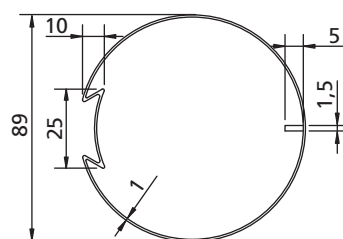
PL

PL

cod. 162894

cod. 162893

Deprat Ø 89



AL

PL

cod. 163407

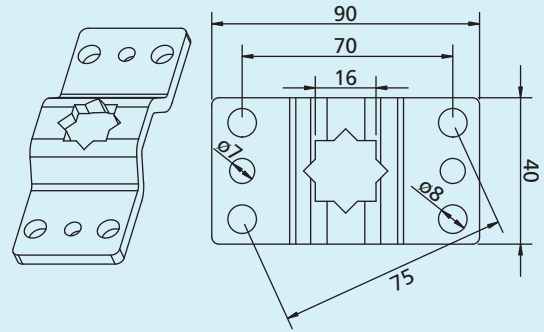
cod. 163408



cod. 162731

Supporto da parete 16 x 16 mm
Wall bearing 16 x 16 mm

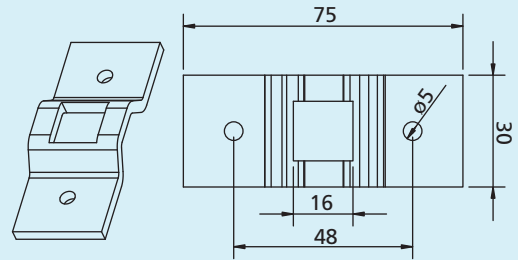
- Support mural 16 x 16 mm
- Wandhalterung 16 x 16 mm
- Soporte de pared 16 x 16 mm
- Suporte de parede 16 x 16 mm



cod. 162819

Supporto da parete 16 x 16 mm
Wall bearing 16 x 16 mm

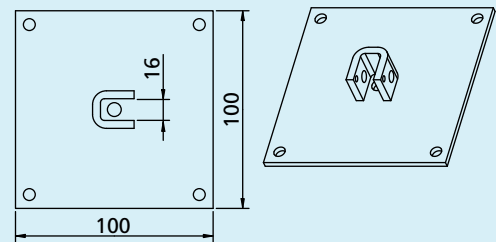
- Support mural 16 x 16 mm
- Wandhalterung 16 x 16 mm
- Soporte de pared 16 x 16 mm
- Suporte de parede 16 x 16 mm



cod. 162734

Supporto a piastra quadra 16 x 16 mm
Square plate bearing 16 x 16 mm

- Support à plaque carrée 16 x 16 mm
- Quadratische Halterungsplatte 16 x 16mm
- Soporte con placa cuadrada 16 x 16 mm
- Suporte com placa quadrada 16 x 16 mm

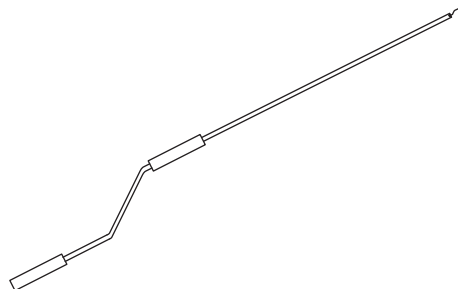




Accessori Accessories

Descrizione <i>Description</i>	Lunghezza <i>Length</i>	Codice <i>Code</i>
Asta fissa <i>Fixed bar</i>	1500 mm	162854
	1800 mm	162735
	2200 mm	162805

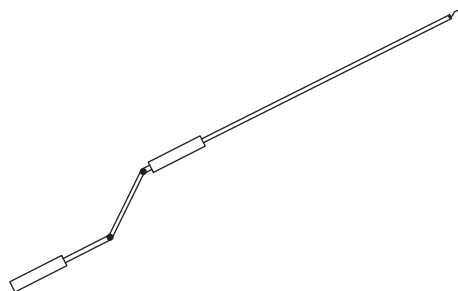
- Barre fixe
- Feste Stange
- Asta fija
- Haste fixa



cod. 162736

Asta articolata (1800 mm)
Jointed bar (1800 mm)

- Barre articulée (1800 mm)
- Gelenkstange (1800 mm)
- Asta articulada (1800 mm)
- Haste articulada (1800 mm)



cod. 162886

Scatola con doppio pulsante invertitore a posizione stabile
Box with two stable-position inverter push buttons

- Boîtier avec double bouton inverseur avec position stable
- Gehäuse mit doppeltem Kreuzschalter mit fester Stellung
- Caja con doble botón inversor con posición estable
- Caixa com duplo botão inversor com posição estável



cod. 162887

Scatola con doppio pulsante invertitore con ritorno a molla
Box with two spring-return inverter push buttons

- Boîtier avec double bouton inverseur avec retour à ressort
- Gehäuse mit doppeltem Kreuzschalter mit Federrückstellung
- Caja con doble botón inversor con retorno de muelle
- Caixa com duplo botão inversor com retorno de mola



Salvo diverse pattuizioni scritte, le presenti condizioni generali di vendita si applicano ad ogni contratto di vendita stipulato da V2 S.p.A. (V2). L'ordinazione comporta l'integrale accettazione di dette condizioni.

Conferma d'Ordine

Il contratto di vendita s'intende concluso alla ricezione della Conferma d'Ordine. Nel caso di disponibilità immediata della merce ordinata, l'emissione della Fattura sostituisce ad ogni effetto la suddetta Conferma d'Ordine.

Valore minimo dell'ordine

Il valore minimo dell'ordine è pari a € 500,00 (Iva esclusa). In caso di ricezione di ordinativi al minimo suddetto V2 provvederà alla relativa spedizione in contrassegno a spese dell'acquirente.

Spedizione

La merce viaggia a rischio e pericolo dell'acquirente. Salvo diverse indicazioni dell'acquirente, la spedizione sarà effettuata a mezzo corriere convenzionato con V2 ed il relativo nolo sarà addebitato all'acquirente in Fattura.

Termini di Consegna

Il termine di consegna indicato nella Conferma d'Ordine, deve intendersi puramente indicativo; nel caso in cui non potesse essere rispettato, V2 non assume responsabilità alcuna per danni derivanti da ritardi di consegna. Al fine di rispondere il più tempestivamente possibile alle esigenze dell'acquirente, V2 si riserva la facoltà di frazionare l'evasione degli ordini. Ciascuna spedizione parziale sarà fatturata a sé stante, in base alle condizioni pattuite per l'ordinazione completa. Non si assumono responsabilità per l'incompleta esecuzione degli ordini, e la mancanza di alcuni articoli non dà diritto all'acquirente di fare trattenute o sospensioni di pagamento.

Reclami e Resi

Non potranno essere accettati reclami dell'acquirente, trascorsi otto giorni dalla consegna della merce. Eventuali resi di merce, a prescindere dalla loro motivazione, non potranno essere accettati, se non preventivamente autorizzati.

Condizioni di Pagamento

In conformità alla direttiva UE 2000/35Ce, sugli importi dovuti e non pagati dall'acquirente nei termini convenuti, V2 si riserva il diritto di addebitare gli interessi di mora.

V2 si riserva il diritto di sospendere le forniture con pagamento differito, qualora si rilevino irregolarità o ritardi nei pagamenti. La merce viene venduta con riserva di proprietà (art. 1523 - 1526 Codice Civile). Pertanto, la merce consegnata resta di proprietà di V2 fino al completo incasso del prezzo.

Garanzia

V2 garantisce il materiale fornito per 60 mesi dalla data di fabbricazione. La garanzia consiste nella riparazione o sostituzione gratuita delle parti riconosciute difettose nella fabbricazione, ad insindacabile giudizio di V2.

Il materiale in garanzia inviato alla sede di V2, dovrà essere spedito in porto franco e verrà rispedito in porto assegnato.

Il materiale sostituito rimarrà di proprietà di V2.

Non è riconosciuto alcun indennizzo per il periodo d'inoperatività dell'impianto. L'intervento non prolunga il termine di durata della garanzia.

Resta inteso che la validità della garanzia è subordinata al rispetto delle specifiche prestazionali dei prodotti, indicate nei manuali d'istruzione in dotazione ai prodotti stessi.

La garanzia non comprende:

avarie o danni causati dal trasporto;

avarie o danni causati da vizi dell'impianto elettrico e/o da trascuratezza, negligenza, inadeguatezza dell'impianto all'uso al quale è destinato e in ogni caso da uso anomalo;

avarie o danni dovuti a manomissioni da parte di personale non autorizzato o all'impiego di pezzi di ricambio non originali;

difetti causati da agenti chimici o fenomeni atmosferici;

il materiale di consumo;

gli interventi per vizi presunti o le verifiche di comodo.

Caratteristiche dei prodotti

I prodotti V2 sono soggetti a continue innovazioni e miglioramenti; pertanto, le caratteristiche costruttive e l'immagine degli stessi, possono subire variazioni anche senza preavviso.

Foro competente

Poiché il contratto viene perfezionato mediante Conferma d'Ordine compilata in Racconigi, in caso di controversia legale di qualsiasi natura è applicabile il diritto italiano ed è competente il Foro di Saluzzo.

Without prejudice to other written agreements, these general conditions of sale apply to all sales contracts stipulated by V2 S.p.A. (V2). Ordering implies complete acceptance of these conditions.

Order confirmation

The sales contract is understood as being concluded with the receipt of the Order Confirmation. In the case where the ordered goods are available for immediate delivery, the issuing of the Sales Invoice replaces the aforementioned Order Confirmation in every effect.

Minimum order value

The minimum order value is equal to € 500,00 (exclusive of VAT). On receiving orders for the aforementioned minimum, V2 will make arrangement for cash on delivery (COD) dispatch at the purchaser's expense.

Dispatch

Goods are shipped at the risks and perils of the purchaser. Unless specified otherwise by the purchaser, shipping will be by means of a courier having a commercial agreement with V2 and freight charges will be billed to the purchaser.

Delivery deadlines

The delivery deadlines indicated in the Order Confirmation, are understood as being purely indicative; in the case where they cannot be met, V2 cannot assume any responsibility for losses resulting from late delivery.

In order to meet the purchaser's demands as quickly as possible, V2 reserves the right to dispatch part orders. Each partial delivery will be invoiced individually, based on the conditions agreed for the complete order. No responsibility is assumed for the incomplete execution of orders, and missing items does not give the purchaser the right to withhold or delay payment.

Complaints and returns

Purchaser's complaints cannot be accepted more than eight days from the date of delivery of the goods. Regardless of the reason, returned goods cannot be accepted without prior authorisation.

Payment conditions

In accordance with EU Directive 2000/35CE, on the amounts due and unpaid by the purchaser within the agreed terms, V2 reserves the right to charge interest on the arrears.

V2 reserves the right to withhold supplies with deferred payments if any payment irregularities or delays are encountered. Goods are sold with retention of title (art. 1523 of the Civil Code). Hence, consigned goods remain the property of V2 until collection of the full payment price.

Guarantee

V2 guarantees the materials supplied for sixty months from the date of manufacture. The guarantee consists of free repair or replacement of all parts deemed defective, in the indisputable opinion of V2.

Materials under warranty sent to V2, must be sent carriage paid, and will be returned carriage forward.

Replacement materials will remain the property of V2.

No form of compensation will be recognised for the period the installation is inoperative. Repair work does not extend the duration of the guarantee.

It is understood that the validity of the guarantee is subject to compliance with the operational specifications of the products, as set out in the instruction manuals supplied with the products themselves.

The guarantee does not include:

breakages or damage due to carriage;

breakage or damage due to electrical faults and/or oversight, negligence, unsuitability of the system to the use for which it was intended, and irregular use;

breakage or damage due to tampering by unauthorised personnel or the use of non-original spare parts;

defects caused by chemical agents or weathering;

consumables;

servicing for no valid reason or checking.

Product characteristics

V2 products are subject to continuous change and improvement; hence the manufacturing characteristics and the appearance of the same may undergo change without any prior warning.

Place of jurisdiction

Since contracts are finalised by Order Confirmations filed in Racconigi, in the case of legal dispute of any kind Italian law will be applied, and the place of jurisdiction is Saluzzo (unless otherwise specified in writing).



A series of horizontal dotted lines for writing notes.

Legenda - *Caption*



Tensione di alimentazione - *Power supply*

Tension d'alimentation - Spannungsversorgung
Tensión de alimentación - Tensão de alimentação



Tapparelle - *Roller shutters*

Volets roulants - Rollläden - Persianas domesticas - Persianas



Tende da sole - *Sun shades*

Stores - Markisen - Toldos



Ricevitore integrato - *Built-in receiver*

Récepteur intégré - Eingebauter Empfänger - Receptor incorporado - Receptor integrado



Funzione rilevamento ostacoli - *Obstacle detection*

Fonction de détection d'obstacles - Hinderniswahrnehmungsfunktion
Función de detección de obstáculos - Função de detecção de obstáculos



**Funzione rilevamento ostacoli con inversione automatica di direzione
*Obstacle detection with auto reverse of direction***

Fonction de détection d'obstacles avec auto-inversion de direction
Hinderniswahrnehmungsfunktion mit automatischer Rückbewegung
Función de detección de obstáculos con inversión automática del movimiento
Função de detecção de obstáculos com inversão automática del movimento



Manovra di soccorso - *Manual override*

Manoeuvre de dépannage - Notbedienung - Maniobra de emergencia - Manobra de emergência



Frequenza di lavoro - *Working frequency*

Fréquence de travail - Arbeitsfrequenz - Frecuencia de trabajo - Frequência de trabalho



Sensore di sole on/off - *Sun sensor on/off*

Capteur soleil on/off - Sonnensensor on/off - Sensor de sol on/off - Sensor sol on/off



Luce esterna on/off - *Courtesy light on/off*

Lumière de courtoisie on/off - Innenleuchte on/off
Luz de cortesía on/off - Luz de cortesía on/off



Ingresso per sensore di sole - *Sun sensor input*

Entrée pour capteur soleil - Eingang für Sonnensensor
Entrada para sensor de sol - Entrada para sensor sol



Ingresso per sensore di vento - *Wind sensor input*

Entrée pour capteur vent - Eingang für Windsensor
Entrada para sensor de viento - Entrada para sensor vento



Ingresso per sensore di temperatura - *Temperature sensor input*

Entrée pour capteur de température - Eingang für Temperatursensor
Entrada para sensor de temperatura - Entrada para sensor temperatura



Alluminio - *Aluminium* - Aluminium - Aluminium - Aluminio - Alumínio



Plastica - *Plastic* - Plastique - Plastik - Plástico



SCREEN SCREEN SCREEN

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