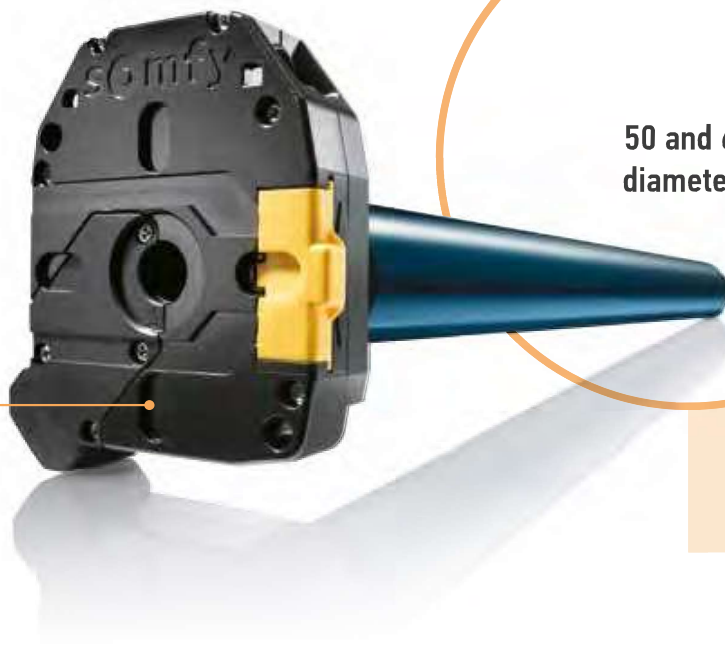
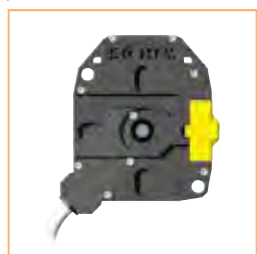


I RDO CSI

MOTORS FOR ROLLING GARAGE DOORS

End-limit settings by pressing
push-buttons

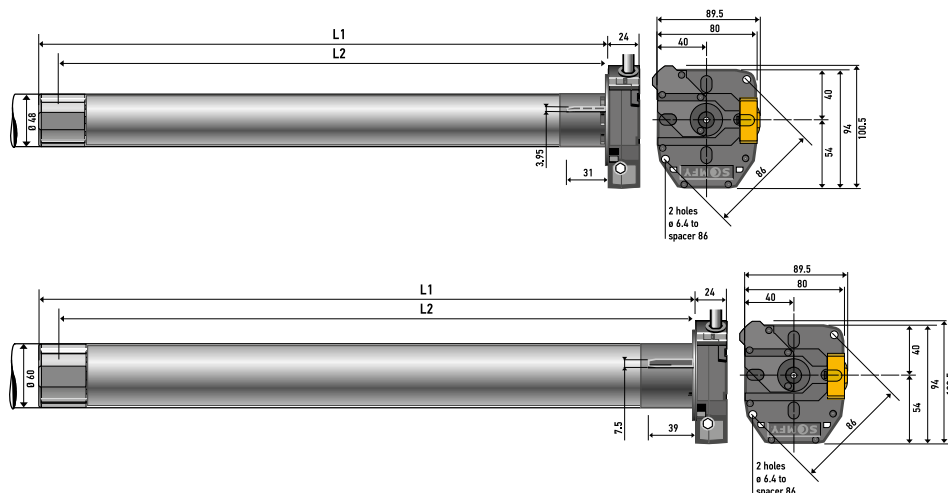


50 and 60
diameters

	Reference	Torque (Nm)	Speed (rpm)
ø 50			
RDO 50 CSI 20/17	1043353	20	17
RDO 50 CSI 25/17	1043334	25	17
RDO 50 CSI 30/17	1045550	30	17
RDO 50 CSI 35/17	1047305	35	17
RDO 50 CSI 40/17	1049633	40	17
RDO 50 CSI 50/12	1051357	50	12

	Reference	Torque (Nm)	Speed (rpm)
ø 60			
RDO 60 CSI 55/17	1161175	55	17
RDO 60 CSI 60/12	1162215	60	12
RDO 60 CSI 70/17	1163121	70	17
RDO 60 CSI 80/12	1164234	80	12
RDO 60 CSI 85/17	1165159	85	17
RDO 60 CSI 100/12	1166145	100	12
RDO 60 CSI 120/12	1167103	120	12

General overall size



Supplied with an installation manual, warnings and labels complying with the relevant standards (EN 60335-2-95) for garage door motor drives

230 V / 50 Hz motor

Capacity of the limit switch unit:
34 revolutions

Projection of the limit setting buttons
parallel to the CSI axis

Supplied with white WF 4-core detachable cable
2.50 m long

Central boring $\varnothing$ 12 x 20 mm with a 24.5 x 2
shoulder

6 mm square or 7 mm hexagonal handle axis

Reduction ratio 1:27 or 1:55

Supplied without adapter, support and discharge
ring

For intermittent use

For installation in a tube in a horizontal position

Technical characteristics

	$\varnothing$ 50						$\varnothing$ 60						
	20/17 CSI	25/17 CSI	30/17 CSI	35/17 CSI	40/17 CSI	50/12 CSI	55/17 CSI	60/12 CSI	70/17 CSI	80/12 CSI	85/17 CSI	100/12 CSI	120/12 CSI
L1	594	594	594	594	664	594	646	646	681	646	680	681	681
L2 (riveting distance)	579	579	579	579	649	579	630	630	665	630	665	665	665
Torque (Nm)	20	25	30	35	40	50	55	60	70	80	85	100	120
Speed (rpm)	17	17	17	17	17	12	17	12	17	12	17	12	12
Cage capacity in revolutions	34	34	34	34	34	34	34	34	34	34	34	34	34
Assigned voltage	230	230	230	230	230	230	230	230	230	230	230	230	230
Total power consumption (W)	160	170	240	240	270	240	290	240	350	290	400	350	400
Total current (amps)	0.75	1.1	1.1	1.1	1.2	1.1	1.5	1.25	1.9	1.25	2.1	1.9	2.1
Running time before triggering (min)	4	4	4	4	4	4	4	4	4	4	4	4	4
Trigger temperature (°C)	150	150	150	150	150	150	150	140	150	150	150	150	150
Average noise level (dBA)	53	55	55	57	57	57	64	65	66	65	65	65	65
Minimum diameter of the roller tube	50 x 1.5	50 x 1.5	50 x 1.5	50 x 1.5	50 x 1.5	50 x 1.5	63 x 1.5	63 x 1.5	63 x 1.5	63 x 1.5	63 x 1.5	63 x 1.5	63 x 1.5
Weight of motor (kg)	2.76	3.09	3.09	3.38	3.38	3.09	4.91	4.91	5.31	4.93	5.52	5.4	5.56
Length of standard cable (m)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Number of cores in cable	4	4	4	4	4	4	4	4	4	4	4	4	4
Section of conductors	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Index of protection	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44



Recommended types of control

Type of Control	Radio control in sequential mode and/or 3 keys (up, stop, down)	
Operating mode	Automatic or sequential	Wired control within sight
Control boxes	 Axroll	Not required
Control points	 Remote controls and radio transmitters	 Universal key switch, wired switch or declutching box
Safety accessories	 Safety edge, photocell barrier and signaling light	Not required

Accessories for mounting on side frame



Adjustable bobbin

2008001	Bobbin ZF80 safety brake 95/147 Nm
2008002	Bobbin OCT70 safety brake 95/147 Nm
2008003	Bobbin LP89 safety brake 95/147 Nm

Motor bracket

9706034 plate 100 x 100

Safety brake

1782097	Safety break 95 Nm - C.18
1782098	Safety break 95 Nm - C.18 - cable 5 m
1782099	Safety break 147 Nm - C.18
1782100	Safety break 147 Nm - C.18 - cable 5 m

Screws (not provided)

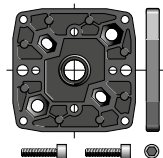
4 x screws M6 x 20 DIN 912 Zn 8.8
4 x washers Ø 6,4 x Ø18 x 1,6 DIN 9021 Zn

Adaptor sets

RDO CSI Ø50	Tube Selve Martin E-SM Stafer	9761002	wheel
		9705340	crown 1
		9707026	crown 2
		9710336	wheel + crown
RDO CSI Ø60	ZF80	9420302	wheel
		9128890	crown
RDO CSI Ø60	IMBAC OCTO 70	9606133	wheel
		9705340	crown
		9420335	wheel + crown
RDO CSI Ø60	Deprat F-5039 Ø89	9420301	wheel
		9420341	crown
		9420333	wheel + crown

I BRACKETS FOR RDO CSI MOTORS

50 and 60 diameters

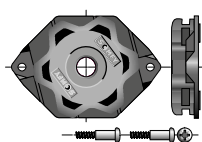


Ref. 9910040

Bracket ø 50 / ø 60 CSI multi spacer

3 threaded spacers 44 and 48 mm M6 and 60 mm M8 for fixing the support to the bracket
3 spacers 44 and 48 mm M6 and 60 mm M8 hexagon head screws for fixing the bracket to the support

Maximum torque: 120 Nm

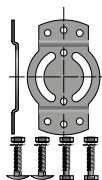


Ref. 9910051

Bracket ø 50 / ø 60 CSI

Enables the use of LT brackets with the CSI
Supplied with 2 screws for fixing to the top of the motor. Black composite material
Used with universal bracket

Maximum torque: 85 Nm

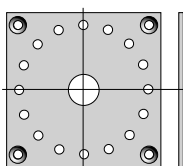


Ref. 9410656

Roller shutter bracket ø 50 CSI 44 spacers

3 holes for fixing the bracket to the top of the CSI 6.2 mm diameter at 44 mm spacers
2 oblong holes 6.2 mm diameter at 44 mm spacers at 120°
Supplied with screws / White zinc-plated

Maximum torque: 50 Nm

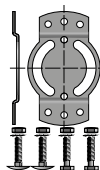


Ref. 9706034

Plate 100 x 100 ø 50 / ø 60 CSI

Plate size 100 x 100 mm. Supplied with screws
The support is fastened to Imbac, Alulux and Heroal flanges with screws at 85.5 mm spacers

Maximum torque: 120 Nm

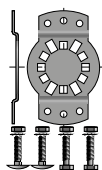


Ref. 9410658

Roller shutter bracket ø 50 CSI / ø 48 spacers

3 holes for fixing the bracket to the top of the CSI 6.2 mm ø at 20° at 86 mm spacers
2 holes 6.2 mm diameter at 48 mm spacers. 2 oblong holes 6.2 mm diameter at 48 mm spacers at 120°
Supplied with screws/ White zinc-plated

Maximum torque: 50 Nm



Ref. 9420654

Bracket ø 50 / ø 60 CSI

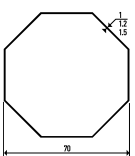
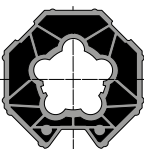
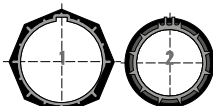
3 threaded spacers 44 and 48 mm M6 and 60 mm M8 for fixing the support to the bracket
3 spacers 44 and 48 mm M6 and 60 mm M8 hexagon head screws for fixing the bracket to the support

Maximum torque: 85 Nm

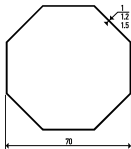
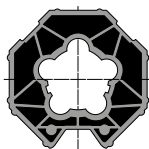
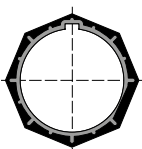
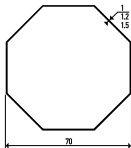
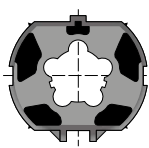
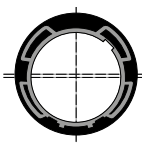
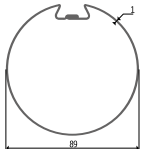
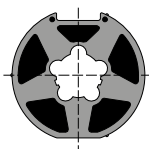
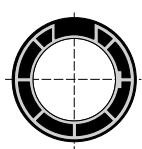
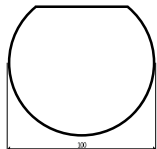
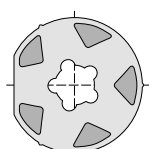
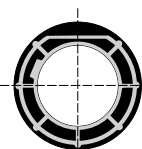
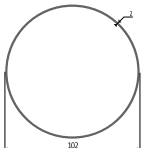
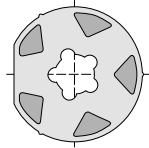
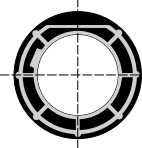


I ADAPTERS FOR RDO CSI MOTORS

50 diameter

Tube	Profile	Wheel	Crown									
Selve Martin E-SM Stafer			 <i>Assemble crowns 1 and 2</i>	<table><tr><td>Wheel (per 10):</td><td>Ref. 9761002</td></tr><tr><td>Crown 1 (per 10):</td><td>Ref. 9705340</td></tr><tr><td>Crown 2 (per 10):</td><td>Ref. 9707026</td></tr><tr><td>Wheel + crowns 1 and 2:</td><td>Ref. 9410336</td></tr></table>	Wheel (per 10):	Ref. 9761002	Crown 1 (per 10):	Ref. 9705340	Crown 2 (per 10):	Ref. 9707026	Wheel + crowns 1 and 2:	Ref. 9410336
Wheel (per 10):	Ref. 9761002											
Crown 1 (per 10):	Ref. 9705340											
Crown 2 (per 10):	Ref. 9707026											
Wheel + crowns 1 and 2:	Ref. 9410336											

60 diameter

Tube	Profile	Wheel	Crown							
Imbac octo 70				<table><tr><td>Wheel (per 10):</td><td>Ref. 9606133</td></tr><tr><td>Crown (per 10):</td><td>Ref. 9705340</td></tr><tr><td>Wheel + crown:</td><td>Ref. 9420335</td></tr></table>	Wheel (per 10):	Ref. 9606133	Crown (per 10):	Ref. 9705340	Wheel + crown:	Ref. 9420335
Wheel (per 10):	Ref. 9606133									
Crown (per 10):	Ref. 9705340									
Wheel + crown:	Ref. 9420335									
ZF 80				<table><tr><td>Wheel (per 10):</td><td>Ref. 9420302</td></tr><tr><td>Crown (per 10):</td><td>Ref. 9128890</td></tr><tr><td>Wheel + crown:</td><td>Ref. 9420339</td></tr></table>	Wheel (per 10):	Ref. 9420302	Crown (per 10):	Ref. 9128890	Wheel + crown:	Ref. 9420339
Wheel (per 10):	Ref. 9420302									
Crown (per 10):	Ref. 9128890									
Wheel + crown:	Ref. 9420339									
Deprat F-5039 Ø 89				<table><tr><td>Wheel (per 10):</td><td>Ref. 9420301</td></tr><tr><td>Crown (per 10):</td><td>Ref. 9420341</td></tr><tr><td>Wheel + crown:</td><td>Ref. 9420333</td></tr></table>	Wheel (per 10):	Ref. 9420301	Crown (per 10):	Ref. 9420341	Wheel + crown:	Ref. 9420333
Wheel (per 10):	Ref. 9420301									
Crown (per 10):	Ref. 9420341									
Wheel + crown:	Ref. 9420333									
Mischler Ø 100				<table><tr><td>Wheel (per 10):</td><td>Ref. 9420304</td></tr><tr><td>Crown (per 10):</td><td>Ref. 9420370</td></tr><tr><td>Wheel + crown:</td><td>Ref. 9001502</td></tr></table>	Wheel (per 10):	Ref. 9420304	Crown (per 10):	Ref. 9420370	Wheel + crown:	Ref. 9001502
Wheel (per 10):	Ref. 9420304									
Crown (per 10):	Ref. 9420370									
Wheel + crown:	Ref. 9001502									
Alulux 102x2.5				<table><tr><td>Wheel (per 10):</td><td>Ref. 9761013</td></tr><tr><td>Crown (per 10):</td><td>Ref. 9762013</td></tr><tr><td>Wheel + crown:</td><td>Ref. 9420355</td></tr></table>	Wheel (per 10):	Ref. 9761013	Crown (per 10):	Ref. 9762013	Wheel + crown:	Ref. 9420355
Wheel (per 10):	Ref. 9761013									
Crown (per 10):	Ref. 9762013									
Wheel + crown:	Ref. 9420355									

ACCESSORIES FOR RDO CSI MOTORS

50 and 60 diameters

Handle with hook - length 1,250 mm



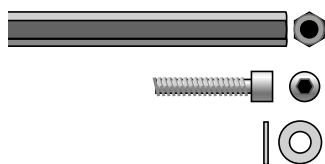
Ref. 9129671

Handle with hook - length 2,000 mm



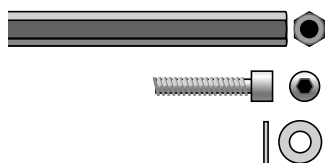
Ref. 9129674

Extension for outlet from casing, hexagonal shaft 7 mm - length 200 mm



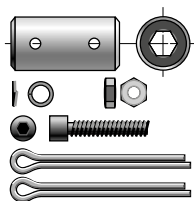
Ref. 9420657

Extension for outlet from casing, hexagonal shaft 7 mm - length 330 mm



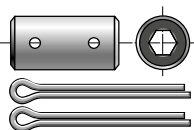
Ref. 9420659

Sleeve for 7 mm hexagonal shaft / 8 mm square shaft



Ref. 9685118

Sleeve for 7 mm hexagonal shaft

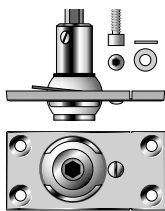


Ref. 9685120



I ACCESSORIES FOR RDO CSI MOTORS

50 and 60 diameters



Casing outlet vertical length 330 mm

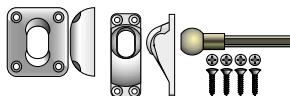
7 mm hexagonal shaft
To be used with handle Ref. 9685140

Ref. 9685122



Handle for invisible casing outlet

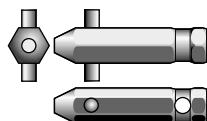
Ref. 9685140



Casing outlet vertical length 400 mm

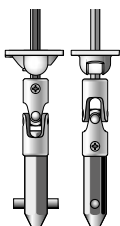
7 mm hexagonal shaft
To be used with handle Ref. 9685140

Ref. 9685142



Removable handle end-piece

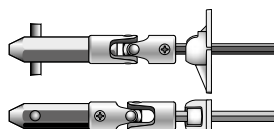
Ref. 9685143



Casing outlet length 260 mm

7 mm hexagonal shaft
Supplied with one handle end-piece Ref. 9685143
To be used with bayonet handle Ref. 9685172

Ref. 9685170



Casing outlet at 60° length 260 mm

Supplied with one handle end-piece Ref. 9685143
To be used with bayonet handle Ref. 9685172

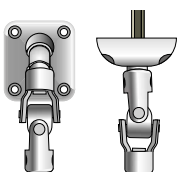
Ref. 9685171

50 and 60 diameters



Handle with 10 diameter bayonet - length 1,300 mm

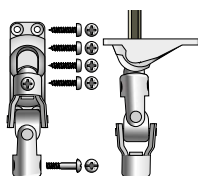
Ref. 9685172



Vertical casing outlet - length 315 mm

To be used with fixed handle Ref. 9685176

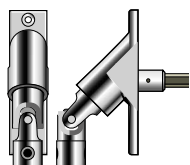
Ref. 9685173



60° casing outlet - length 315 mm

To be used with fixed handle Ref. 9685176

Ref. 9685174



Casing outlet with double universal joint - length 315 mm

7 mm hexagonal shaft.

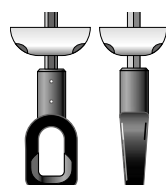
To be used with fixed handle Ref. 9685176

Ref. 9685175



Fixed handle 12 diameter - length 1,200 mm

Ref. 9685176



Vertical casing outlet - length 260 mm

7 mm hexagonal shaft.

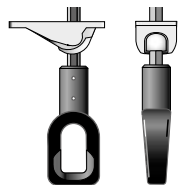
To be used with hooked handle Ref. 9129671 or 9129674

Ref. 9685179



I ACCESSORIES FOR RDO CSI MOTORS

50 and 60 diameters

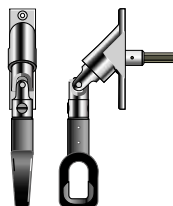


Ref. 9685180

60° casing outlet length 260 mm

7 mm hexagonal shaft

To be used with hooked handle Ref. 9129671 or 9129674

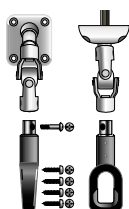


Ref. 9685181

Casing outlet with double universal joint - length 350 mm

7 mm hexagonal shaft

To be used with hooked handle Ref. 9129671 or 9129674

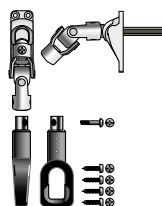


Ref. 9685182

60° casing outlet - length 315 mm

7 mm hexagonal shaft. With universal joint.

To be used with hooked handle Ref. 9129671 or 9129674

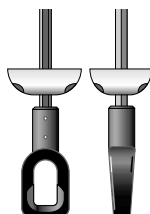


Ref. 9685183

60° casing outlet - length 315 mm

7 mm hexagonal shaft. With universal joint

To be used with hooked handle Ref. 9129671 or 9129674



Ref. 9685184

Vertical casing outlet - length 435 mm

7 mm hexagonal shaft

To be used with hooked handle Ref. 9129671 or 9129674

LT 50 stop wheel

Ref. 9910004

LT 60 stop wheel

Ref. 9910062