



heicko moves...

Tubular motors, awning motors, controls and accessories

e-Smart



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Which motor should be used for which hanging?

Overview of the average weights of different shutters



Material	Weight
Shutter weight PVC	5 - 6 kg / m ²
Shutter weight Aluminium	7 - 8 kg / m ²
Shutter weight Wood	10 kg / m ²

Calculation examples:

PVC shutter

2,50 m wide x 2,20 m high = 5,50 m² surface
5,50 m² x 6 kg (PVC shutter) = 33 kg (load)

Aluminium shutter

2,50 m wide x 2,40 m high = 6 m² surface
6 m² x 8 kg (Aluminium shutter) = 48 kg (load)

The suitable motor can be selected from the table information

Item no.	max. load [kg]	* Test load [kg] according to DIN EN14202
HR - & HRF - Series		
HR4013-14	29	32
HRK6010-13	23	25
HR6020-17	45	49
HR6030-17	68	75
HR6040-17	90	96
HRF4013-14	29	32
HRF6020-17	45	50
HRF6040-17	90	96
HREPP - & HREPPF - Series		
HREPP4013-14	29	32
HREPP6010-15	23	25
HREPP6020-15	45	49
HREPP6030-15	68	75
HREPPF4013-14	29	32
HREPPF6010-15	23	25
HREPPF6020-15	45	50
HREPPF6030-15	68	75
ER - & ERF - Series		
ER1040-13	29	32
ER1060-10	23	25
ER1060-20	45	49
ER1060-30	68	75
ER1060-40	90	98
ER1060-50	113	123
ERF1040-06-38	14	15
ERF1040-13	29	32
ERF1060-10	23	25
ERF1060-20	45	50
ERF1060-30	68	75
EREFL - Series		
EREFL-1040-06-BI	11	12

Item no.	max. load [kg]	* Test load [kg] according to DIN En14202
ERN - & ERFN - Series		
ERN1060-20	45	50
ERN1060-50	113	123
ERN1070-140	316	344
ERFN1060-50	113	123
ERFN1070-80	181	197
ERFN1070-120	271	295
ERESFN - Series		
ERESFN1060-20-BI	45	49
ERESFN1060-50-BI	113	123
ERSDC - Series		
ERSDC2803-35-BI	1,5	1,8
ERSDC1038-02-BI	3,5	5
HRSDC - Series		
HRSDC4013-14-40-BI	29	32
HRSDC4013-14-60-BI	29	32
HRSDC6020-10-BI	45	49

* Theoretically possible load after test and requirement standard for the serviceability of tubular motors according to DIN EN14202, excluding the mechanical resistances in the inlet funnel in the shutter rail, by the winding of the shutter etc. For practical applications (intended use), we recommend the values for the maximum load given in the table on the respective product pages.

Which radio code is suitable for my use?

Overview of the active radio codes

G2

heico radio code G2

This radio code is our **uni-directional** radio code. That means the motor receives a signal, but does not return a status message.

Our motors and external receivers with radio code G2 can be controlled using an emitter or the **smart home system** operated by everHome, Broadlink and the heico Smart Box.

Emitters



HIP01W



HIP05W



HD05BT



HD15B



HR120038G2



HR120033WA



HD-SMART-BOX

Receivers



HRF



ERF



ERFN



HR120036D

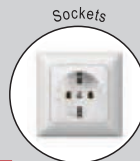


HR120033G2



HR120032G2

Consumers



HR



HRK



HREPP



ER



ERN

From 2022 - New radio code

Benefits at a glance

- ✓ Voice control with Amazon Alexa, Google Home, Siri and Bixby
- ✓ Infinitely variable hanging positions
- ✓ Always informed! - Is my shutter closed?
- ✓ Simple, self-explanatory use

BI

heicko radio code BI

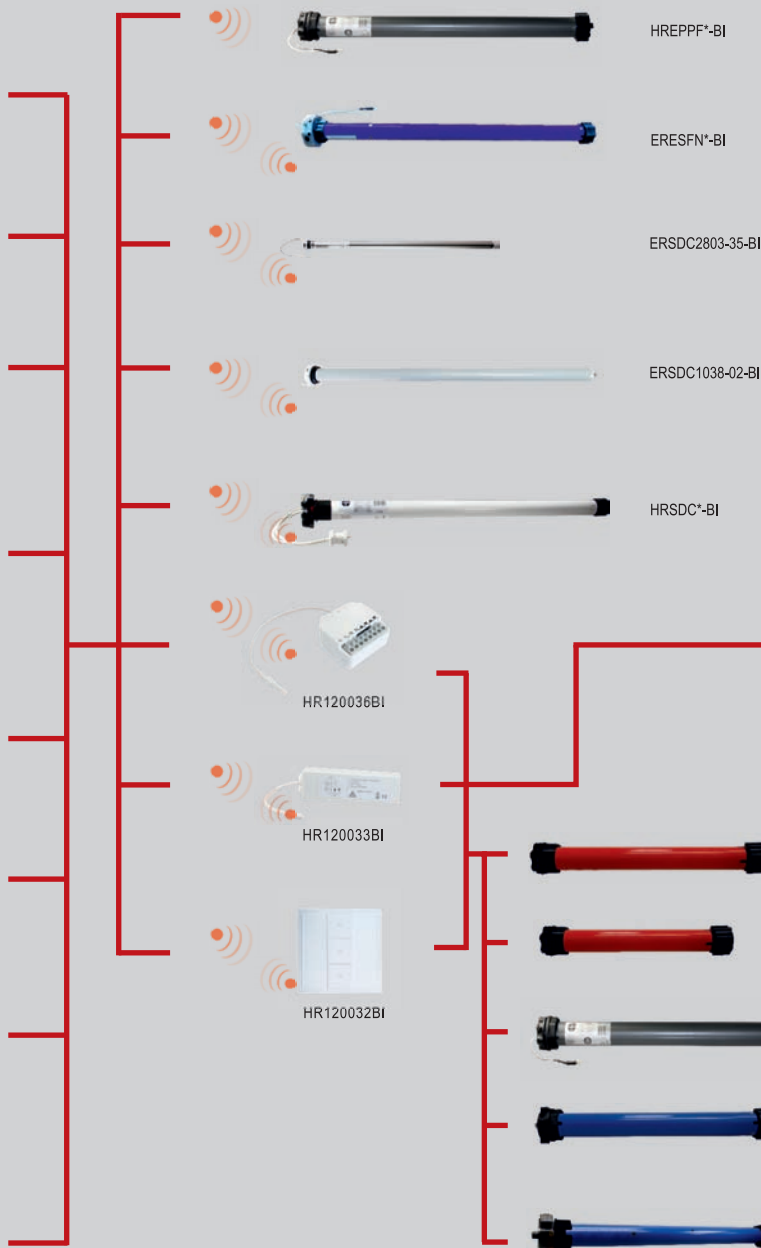
This radio code is our **bi-directional** radio code. This means that the motor receives a transmission signal and returns a status report on your smartphone or tablet indicating the current position of your hanging.

Our motors and external receivers with the radio code BI can be operated using an emitter or our **smart home system** heicko Smart Box. With our motors with bi-directional communication, the opening status of your hanging can also be queried via the app. This allows you to check on the go whether your roller blind is currently open, closed or only 20% closed. You receive a current status display of your roller blinds at any time, whether you are on vacation or at work, and you can conveniently change the blinds status via smartphone.

Emitters



Receivers



Consumers





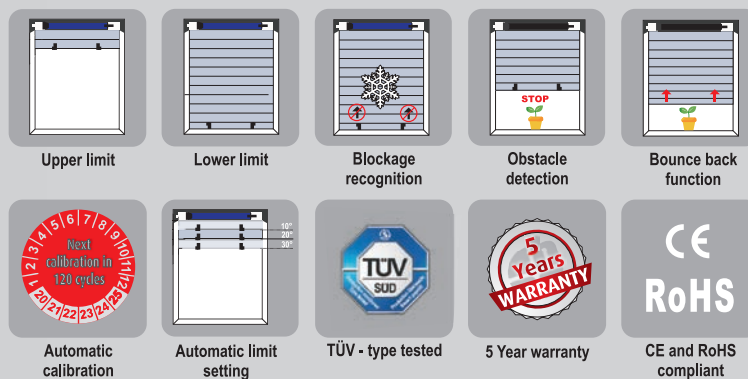
PREMIUM S

electronic limit setting

< Click >

HREPP-SERIES

- ✓ Easy, automatic setting of the limit positions
- ✓ Including blockage recognition & obstacle detection
- ✓ Automatic calibration after 120 cycles
- ✓ Permanent preservation of the limits in case of power failure
- ✓ Simple and speedy assembly due to clippable motor head
- ✓ Maintenance-free with a long life span
- ✓ Thermal overload protection
- ✓ 5 year warranty on faultless performance
- ✓ A retrofitting with various different radio controls from heico is also possible



HREPP - PREMIUM S -

Item no.		HREPP4013-14	HREPP6010-15 -ST* / -FP* / -FS*	HREPP6020-15 -ST* / -FP* / -FS*	HREPP6030-15 -ST* / -FP* / -FS*	HREPP6040-15 -ST*
Length without bracket	[mm]	595	620	620	665	665
Motor diameter	[mm]	35	45	45	45	45
Input voltage	[V]/[Hz]	230/50	230/50	230/50	230/50	230/50
Power	[W]	121	112	145	191	218
Rated torque	[Nm]	13	10	20	30	40
Maximum load	[kg]	29	23	45	68	90
Rated RPM	[rpm]	14	15	15	15	12
Current consumption	[A]	0,53	0,49	0,64	0,83	0,95
Power on duration	[min]	4	4	4	4	4
Number of wires		4	4	4	4	4
Wire cross-section	[mm ²]	0,75	0,75	0,75	0,75	0,75
Motor protection, Iso-class		H	H	H	H	H
Protection class		I	I	I	I	I
Protection type VDE 700		IP44	IP44	IP44	IP44	IP44
Cable length	[m]	2*	2*	2*	2*	2*
Max. turns / cycles	[U]	~	~	~	~	~
Octagonal shaft 40 mm		✓				
Octagonal shaft 60 mm			✓*except FP & FS	✓*except FP & FS	✓*except FP & FS	✓
Round shaft 54 mm			✓*only FP & FS	✓*only FP & FS	✓*only FP & FS	
Sound pressure	[db(A)]	< 70	< 70	< 70	< 70	< 70



Manual



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PREMIUM SF

electronic limit setting

< Click >

HREPPF-SERIES

- ✓ Easy, automatic setting of the limit positions
- ✓ Including blockage recognition & obstacle detection
- ✓ Automatic calibration after 120 cycles
- ✓ Permanent preservation of the limits in case of power failure
- ✓ Simple and speedy assembly due to clippable motor head
- ✓ Maintenance-free with a long life span
- ✓ Thermal overload protection
- ✓ 5 year warranty on faultless performance
- ✓ Radio code BI



Radio control



Radio code



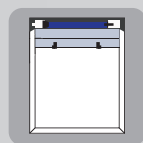
Smart Home*

*Compatible with the heicko Smart Stick item

no. HD-SMART

and the heicko Smart Box item no.

HD-SMART-BOX



Upper limit



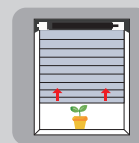
Lower limit



Blockage recognition



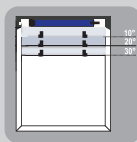
Obstacle detection



Bounce back function



Automatic calibration



Automatic limit setting



TÜV - type tested



5 Year warranty



CE and RoHS compliant

HREPPF - PREMIUM SF -

Item no.		HREPPF4013-14-BI	HREPPF6010-15-BI -ST / -FP / -FS	HREPPF6020-15-BI -ST / -FP / -FS	HREPPF6030-15-BI -ST / -FP / -FS
Length without bracket	[mm]	558	635	635	685
Motor diameter	[mm]	35	45	45	45
Input voltage	[V]/[Hz]	230 / 50	230 / 50	230 / 50	230 / 50
Power	[W]	145	112	161	200
Rated torque	[Nm]	13	10	20	30
Maximum load	[kg]	29	23	45	68
Rated RPM	[rpm]	14	15	15	15
Current consumption	[A]	0,64	0,49	0,69	0,87
Power on duration	[min]	4	4	4	4
Number of wires		3	3	3	3
Wire cross-section	[mm ²]	0,75	0,75	0,75	0,75
Motor protection, Iso-class		H	H	H	H
Protection class		I	I	I	I
Protection type VDE 700		IP44	IP44	IP44	IP44
Cable length	[m]	2	2*	2*	2*
Max. turns / cycles	[U]	~	~	~	~
Octagonal shaft 40 mm		✓			
Octagonal shaft 60 mm			✓*except FP & FS	✓*except FP & FS	✓*except FP & FS
Round shaft 54 mm			✓*only FP & FS	✓*only FP & FS	✓*only FP & FS
Radio frequency	[MHz]	433,92	433,92	433,92	433,92
Radio code		BI	BI	BI	BI
Sound pressure	[db(A)]	< 70	< 70	< 70	< 70



Manual



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THE CLASSICS

mechanical limit switch

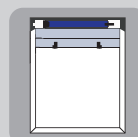
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HR-SERIES

- ✓ Easy mechanical setting of the limits on the motor head with setting screws
- ✓ Permanent preservation of the limits in case of power failure
- ✓ Simple and speedy assembly due to clippable motor head
- ✓ Maintenance-free with a long life span
- ✓ Thermal overload protection
- ✓ 5 year warranty on faultless performance
- ✓ Silent running
- ✓ Retrofitting with various different external receivers is possible



Limit setting tool



Upper limit



Lower limit



TÜV - type tested



5 Year warranty



CE and RoHS compliant

HR - THE CLASSICS -

Item no.		HR4013-14	HRK6010-13 (Kurzmotor)	HR6020-17 -FP / -FS	HR6030-17 -FP / -FS	HR6040-17
Length without bracket	[mm]	485	360	485	555	555
Motor diameter	[mm]	35	45	45	45	45
Input voltage	[V]/[Hz]	230/50	230/50	230/50	230/50	230/50
Power	[W]	121	112	145	191	198
Rated torque	[Nm]	13	10	20	30	40
Maximum load	[kg]	29	23	45	68	90
Rated RPM	[rpm]	14	15	15	15	15
Current consumption	[A]	0,53	0,49	0,64	0,83	0,86
Power on duration	[min]	4	4	4	4	4
Number of wires		4	4	4	4	4
Wire cross-section	[mm ²]	0,75	0,75	0,75	0,75	0,75
Motor protection, Iso-class		H	H	H	H	H
Protection class		I	I	I	I	I
Protection type VDE 700		IP44	IP44	IP44	IP44	IP44
Cable length	[m]	2	2	2	2	2
Max. turns / cycles	[U]	36	16	45	45	45
Octagonal shaft 40 mm		✓				
Octagonal shaft 60 mm			✓	✓ *except FP & FS	✓ *except FP & FS	✓
Round shaft 54 mm				✓ *only FP & FS	✓ *only FP & FS	
Sound pressure	[db(A)]	< 70	< 70	< 70	< 70	< 70



Manual



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THE CLASSICS WITH BUILT-IN RECEIVER

mechanical limit switch

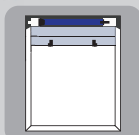
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HRF-SERIES

- ✓ Built-in receiver, radio code G2
- ✓ Easy control with our emitters with radio code G2 as well as the smart home systems by Broadlink and everhome and the heicko SMART BOX
- ✓ Easy mechanical setting of the limits on the motor head with setting screws
- ✓ Permanent preservation of the limits in case of power failure
- ✓ Simple and speedy assembly due to clippable motor head
- ✓ Maintenance-free with a long life span
- ✓ Thermal overload protection
- ✓ 5 year warranty on faultless performance
- ✓ Silent running



Limit setting tool



Upper limit



Lower limit



Radio control



Radio code



TÜV - type tested



5 Year warranty



CE and RoHS compliant



Smart Home*

*Compatible with the heicko Smart Box item no. HD-SMART-BOX and the smart home systems of Broadlink and everHome

HRF - THE CLASSICS WITH BUILT-IN RECEIVER -

Item no.		HRF4013-14	HRF6020-17	HRF6040-17
Length without bracket	[mm]	605	625	655
Motor diameter	[mm]	35	45	45
Input voltage	[V]/[Hz]	230 / 50	230 / 50	230 / 50
Power	[W]	121	145	198
Rated torque	[Nm]	13	20	40
Maximum load	[kg]	29	45	90
Rated RPM	[rpm]	14	15	15
Current consumption	[A]	0,53	0,64	0,86
Power on duration	[min]	4	4	4
Number of wires		3	3	3
Wire cross-section	[mm ²]	0,75	0,75	0,75
Motor protection, Iso-class		H	H	H
Protection class		I	I	I
Protection type VDE 700		IP44	IP44	IP44
Cable length	[m]	2	2	2
Max. turns / cycles	[U]	36	45	45
Octagonal shaft 40 mm		✓		
Octagonal shaft 60 mm			✓	✓
Radio frequency	[MHz]	433,92	433,92	433,92
Radio code		G2	G2	G2
Sound pressure	[db(A)]	< 70	< 70	< 70



Manual



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THE RELIABLE

mechanical limit switch

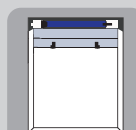


ER-SERIES

- ✓ Easy mechanical setting of the limits on the motor head with setting screws
- ✓ Permanent preservation of the limits in case of power failure
- ✓ Simple and speedy assembly
- ✓ Maintenance-free with a long life span
- ✓ Thermal overload protection
- ✓ 5 year warranty on faultless performance
- ✓ Silent running
- ✓ Retrofitting with various different external receivers is possible



Limit setting tool



Upper limit



Lower limit



5 Year warranty



CE and RoHS compliant

ER - THE RELIABLE -

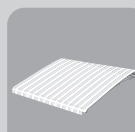
Item no.		ER1040-13	ER1060-10	ER1060-20	ER1060-30	ER1060-40	ER1060-50
Length without bracket	[mm]	465	469	469	539	539	539
Motor diameter	[mm]	35	45	45	45	45	45
Input voltage	[V]/[Hz]	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50
Power	[W]	121	112	145	191	198	205
Rated torque	[Nm]	13	10	20	30	40	50
Maximum load	[kg]	29	23	45	68	90	113
Rated RPM	[rpm]	14	15	15	15	15	12
Current consumption	[A]	0,61	0,52	0,69	0,92	0,90	0,98
Power on duration	[min]	4	4	4	4	4	4
Number of wires		4	4	4	4	4	4
Wire cross-section	[mm ²]	0,75	0,75	0,75	0,75	0,75	0,75
Motor protection, Iso-class		H	H	H	H	H	H
Protection class		I	I	I	I	I	I
Protection type VDE 700		IP44	IP44	IP44	IP44	IP44	IP44
Cable length	[m]	2	2	2	2	2	2
Max. turns / cycles	[U]	27	27	27	27	27	27
Octagonal shaft 40 mm	[mm]	✓					
Octagonal shaft 60 mm	[MHz]		✓	✓	✓	✓	✓
Sound pressure	[db(A)]	< 70	< 70	< 70	< 70	< 70	< 70



Manual



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THE RELIABLE WITH BUILT-IN RECEIVER

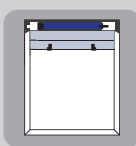
mechanical limit switch

ERF-SERIES

- ✓ Easy mechanical setting of the limits on the motor head with setting screws
- ✓ Permanent preservation of the limits in case of power failure
- ✓ Built-in receiver, radio code G2
- ✓ Easy control with our emitters with radio code G2 as well as the smart home systems by Broadlink and everhome and the heicko SMART BOX
- ✓ Simple and speedy assembly
- ✓ Maintenance-free with a long life span
- ✓ Thermal overload protection
- ✓ 5 year warranty on faultless performance



Limit setting tool



Upper limit



Lower limit



Radio control



Radio code



5 Year warranty



CE and RoHS compliant



Smart Home*

*Compatible with the heicko Smart Box item

no. HD-SMART-BOX and the smart home

systems of Broadlink and everHome

ERF - THE RELIABLE WITH BUILT-IN RECEIVER -

Item no.		ERF1040-13	ERF1060-20	ERF1060-30
Length without bracket	[mm]	583	602	632
Motor diameter	[mm]	35	45	45
Input voltage	[V]/[Hz]	230 / 50	230 / 50	230 / 50
Power	[W]	121	145	191
Rated torque	[Nm]	13	20	30
Maximum load	[kg]	29	45	68
Rated RPM	[rpm]	14	15	15
Current consumption	[A]	0,53	0,64	0,83
Power on duration	[min]	4	4	4
Number of wires		3	3	3
Wire cross-section	[mm ²]	0,75	0,75	0,75
Motor protection, Iso-class		H	H	H
Protection class		I	I	I
Protection type VDE 700		IP44	IP44	IP44
Cable length	[m]	2	2	2
Max. turns / cycles	[U]	36	45	45
Octagonal shaft 40 mm		✓		
Octagonal shaft 60 mm			✓	✓
Radio frequency	[MHz]	433,92	433,92	433,92
Radio code		G2	G2	G2
Sound pressure	[db(A)]	< 70	< 70	< 70

Electronic blind motor EREFL1040-06-BI

570
35
230 / 50
121
6
14
28
0,67
4
3
0,75
H
I
IP44
2
-
433,92
BI
< 70



Manual



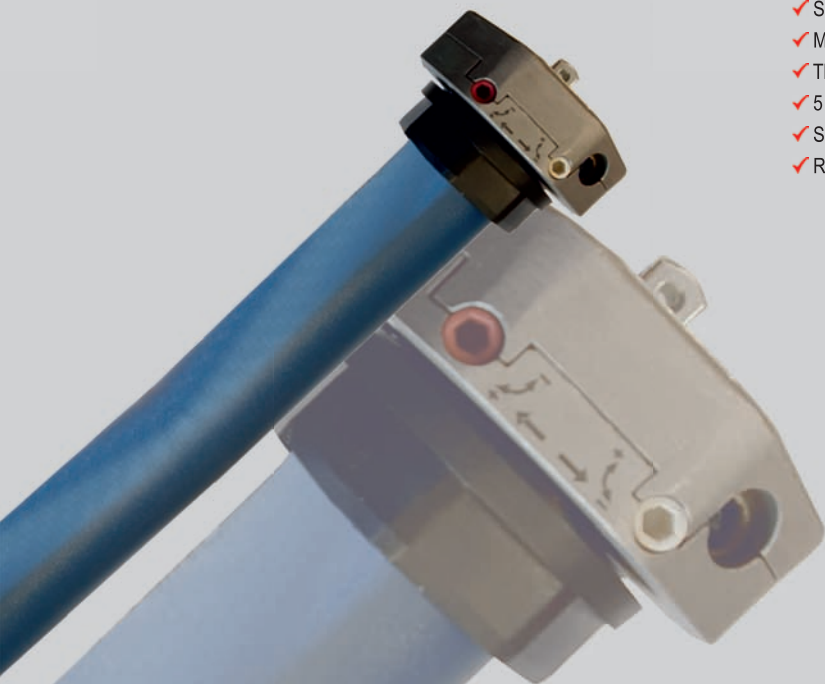
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THE POWERFUL

mechanical limit switch
emergency crank function

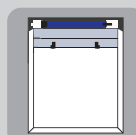


ERN-SERIES

- ✓ Easy mechanical setting of the limits on the motor head with setting screws
- ✓ Permanent preservation of the limits in case of power failure
- ✓ Manual override function
- ✓ Simple and speedy assembly
- ✓ Maintenance-free with a long life span
- ✓ Thermal overload protection
- ✓ 5 year warranty on faultless performance
- ✓ Silent running
- ✓ Retrofitting with various different external receivers is possible



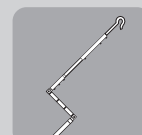
Limit setting tool



Upper limit



Lower limit



Manual use



5 Year warranty



CE and RoHS compliant

ERN - THE POWERFUL -

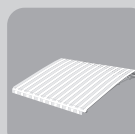
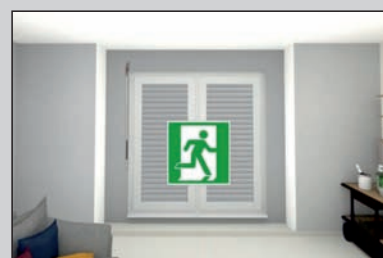
Item no.		ERN1060-20	ERN1060-50	ERN1070-140
Length without bracket	[mm]	542	614	639
Motor diameter	[mm]	45	45	59
Input voltage	[V]/[Hz]	230 / 50	230 / 50	230 / 50
Power	[W]	145	205	405
Rated torque	[Nm]	20	50	140
Maximum load	[kg]	45	113	316
Rated RPM	[rpm]	15	12	7
Current consumption	[A]	0,64	0,89	1,77
Power on duration	[min]	4	4	4
Number of wires		4	4	4
Wire cross-section	[mm ²]	0,75	0,75	0,75
Motor protection, Iso-class		H	H	H
Protection class		I	I	I
Protection type VDE 700		IP44	IP44	IP44
Cable length	[m]	2	2	2
Max. turns / cycles	[U]	22	22	22
Octagonal shaft 60 mm		✓	✓	
Octagonal shaft 70 mm				✓
Sound pressure	[db(A)]	< 70	< 70	< 70



Manual

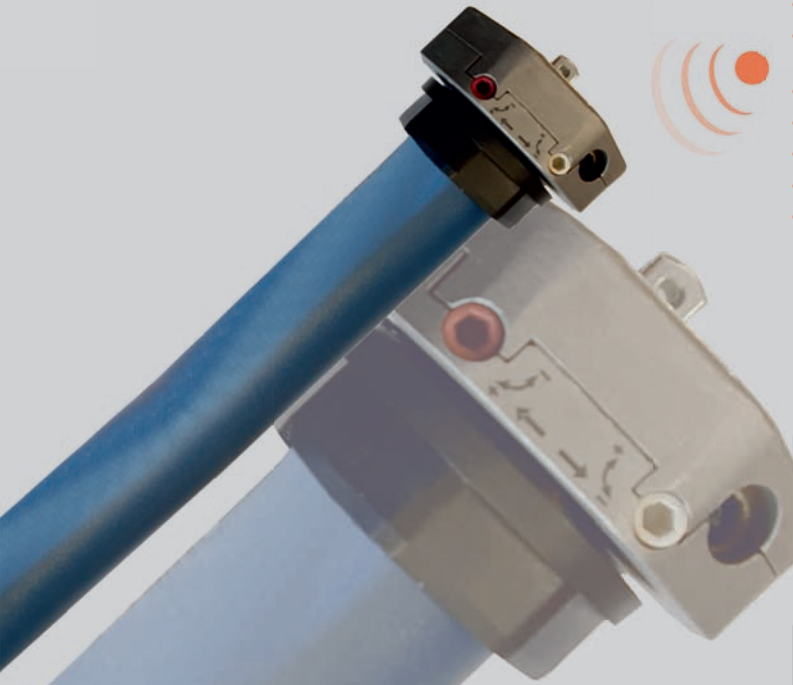


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THE HEAVY DUTY MASTER

mechanical limit switch
emergency crank function



- ERFN-SERIES**
- ✓ Easy mechanical setting of the limits on the motor head with setting screws
 - ✓ Permanent preservation of the limits in case of power failure
 - ✓ Manual override function
 - ✓ Built-in receiver, radio code G2
 - ✓ Easy control with our emitters with radio code G2 as well as the smart home systems by Broadlink and everhome and the heicko SMART BOX
 - ✓ Simple and speedy assembly
 - ✓ Maintenance-free with a long life span
 - ✓ Thermal overload protection
 - ✓ 5 year warranty on faultless performance
 - ✓ Silent running



Radio control



Radio code



Limit setting tool



Upper limit



Lower limit



Manual use



5 Year warranty



CE and RoHS compliant



Smart Home*

*Compatible with the heicko Smart Box item no. HD-SMART-BOX and the smart home systems of Broadlink and everHome

ERFN - THE HEAVY DUTY MASTER -

Item no.		ERFN1060-50	ERFN1070-80	ERFN1070-120
Length without bracket	[mm]	740	800	813
Motor diameter	[mm]	45	59	59
Input voltage	[V]/[Hz]	230 / 50	230 / 50	230 / 50
Power	[W]	205	330	350
Rated torque	[Nm]	50	80	120
Maximum load	[kg]	113	181	271
Rated RPM	[rpm]	12	15	9
Current consumption	[A]	0,89	1,43	1,56
Power on duration	[min]	4	4	4
Number of wires		3	3	3
Wire cross-section	[mm²]	0,75	0,75	0,75
Motor protection, Iso-class		H	H	H
Protection class		I	I	I
Protection type VDE 700		IP44	IP44	IP44
Cable length	[m]	2	2	2
Max. turns / cycles	[U]	22	22	22
Octagonal shaft 60 mm		✓		
Round shaft 78 mm			✓	✓
Radio frequency	[MHz]	433,92	433,92	433,92
Radio code		G2	G2	G2
Sound pressure	[db(A)]	< 70	< 70	< 70



Manual



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heicko.de

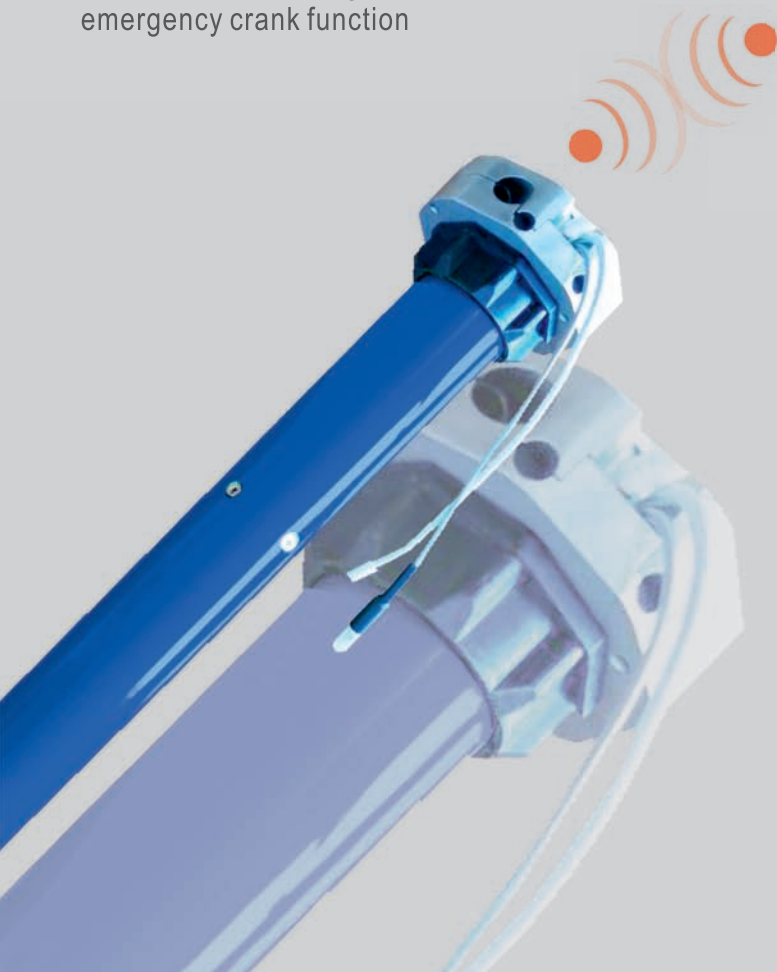






THE SAFE

electronic limit setting
emergency crank function



ERESFN-SERIES

- ✓ Simple electronic limit position adjustment via emitter
- ✓ Permanent preservation of the limits in case of power failure
- ✓ Manual override function
- ✓ Built-in receiver, radio code BI
- ✓ Easy control with our emitters with radio code BI) and via heiko smart stick or heiko smart Box (Opening status can be queried and adjusted by the app)
- ✓ Voice control via Google Home, Alexa, Bixby and Siri (heiko smart stick or smart box required)
- ✓ Suitable for awnings, rescue windows and escape doors



Radio control

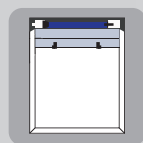


Radio code



Smart Home*

*Compatible with the heiko Smart Stick
item no. HD-SMART
and the heiko Smart Box item no.
HD-SMART-BOX



Upper limit



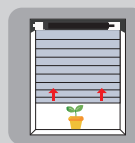
Lower limit



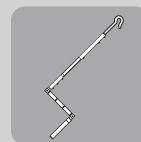
Blockage
recognition



Obstacle
detection



Bounce back
function



Manual use



5 Year warranty



CE and RoHS
compliant

ERESFN - THE SAFE -

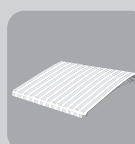
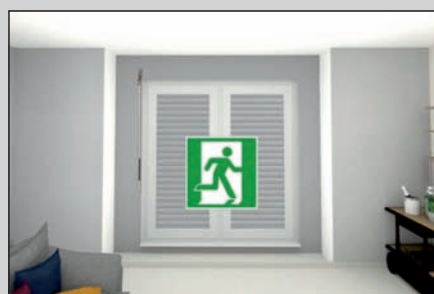
Item no.		ERESFN1060-20-BI	ERESFN1060-50-BI
Length without bracket	[mm]	740	840
Motor diameter	[mm]	45	45
Input voltage	[V]/[Hz]	230 / 50	230 / 50
Power	[W]	160	205
Rated torque	[Nm]	20	50
Maximum load	[kg]	45	113
Rated RPM	[rpm]	15	12
Current consumption	[A]	0,69	0,89
Power on duration	[min]	4	4
Number of wires		3	3
Wire cross-section	[mm ²]	0,75	0,75
Motor protection, Iso-class		H	H
Protection class		I	I
Protection type VDE 700		IP44	IP44
Cable length	[m]	2	2
Max. turns / cycles	[U]	~	~
Octagonal shaft 60 mm		✓	✓
Radio frequency	[MHz]	433,92	433,92
Radio code		BI	BI
Sound pressure	[db(A)]	< 70	< 70



Manual



heiko.de



THE RECHARGABLE

electronic limit setting

< Click >

HRSDC-SERIES

- ✓ No power connection required! - No electrician is required for the installation!
- ✓ Easy and inexpensive assembly, ideal for renovation
- ✓ Easy control with our emitters with radio code BI) and via heicko smart stick or heicko smart Box (Opening status can be queried and adjusted by the app)
- ✓ Charging via charger with jack plug or solar panel possible (not included in scope of supply)
- ✓ Voice control via Google Home, Alexa, Bixby and Siri (heicko smart stick or smart box required)
- ✓ Incl. soft stop function (motor stops gently at the set limit position)



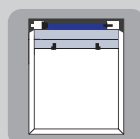
Radio control



Radio code



Quiet Motor



Upper limit



Lower limit



Battery



Suitable for solar charging



CE and RoHS compliant

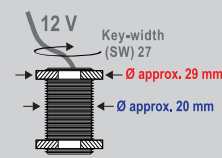


Smart Home*

*Compatible with the heicko Smart Stick item no. HD-SMART and the heicko Smart Box item no. HD-SMART-BOX

HRSDC - BI - THE RECHARGEABLE -

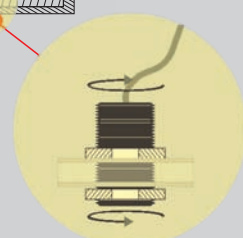
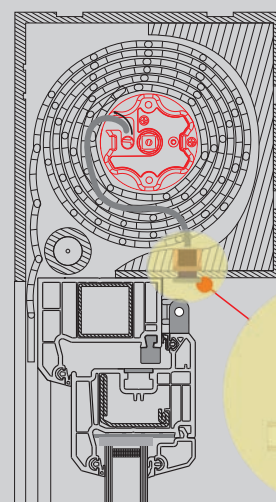
Item no.		HRSDC4013-14-40-BI HRSDC4013-14-60-BI -FP* / -FS*	HRSDC6020-10-60-BI -FP* / -FS*
Length without bracket	[mm]	655	740
Motor diameter	[mm]	35	45
Nominal voltage	[V] DC	12	12
Power	[W]	38,8	50
Rated torque	[Nm]	13	20
Maximum load	[kg]	29	45
Rated RPM	[rpm]	14	10
Rated current	[A]	3,23	4,1
Battery, fixed inside		Li-Io	Li-Io
Max. charging voltage	[V] DC	12,6	12,6
Battery capacity	[mAh]	3200	4000
Protection class		III	III
Protection type VDE 700		IP44	IP44
Cable length charging socket	[cm]	40	40
Octagonal shaft 40 / 60 mm		✓*	✓*
Ambient temperature, operation	[°C]	-20 to 65	-20 to 65
Ambient temperature, charging	[°C]	0 to 65	0 to 65
Radio frequency	[MHz]	433,92	433,92
Radio code		BI	BI
Sound pressure	[db(A)]	< 70	< 70



Manual



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THE RETROFIT

electronic limit setting

ERSDC2803-35-BI

- ✓ No power connection required! - No electrician is required for the installation!
- ✓ Ideal for retrofitting in existing sun protection systems with a shaft diameter of 18 mm or 25 mm
- ✓ Easy control with our emitters with radio code BI and via heiko smart stick or heiko smart Box (Opening status can be queried and adjusted by the app)
- ✓ Voice control via Google Home, Alexa, Bixby and Siri (heiko smart stick or smart box required)
- ✓ Charging via charger with Micro-USB plug (e.g. Smartphone charger) or solar panel possible (not included in scope of supply)
- ✓ Incl. soft stop function (motor stops gently at the set limit position)



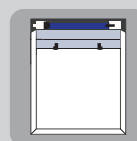
Radio control



Radio code



Quiet Motor



Upper limit



Lower limit



Smart Home*



Battery



Suitable for solar charging

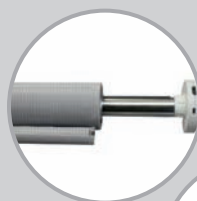


CE and RoHS compliant

*Compatible with the heiko Smart Stick item no. HD-SMART and the heiko Smart Box item no. HD-SMART-BOX

ERSDC2803-35-BI - THE RETROFIT -

Item no.		ERSDC2803-35-BI
Length without bracket	[mm]	356
Motor diameter	[mm]	16
Nominal voltage	[V] DC	8
Power	[W]	4,8
Rated torque	[Nm]	0,3
Maximum load	[kg]	1,5
Rated RPM	[rpm]	30
Rated current	[A]	0,6
Battery, fixed inside		Li-Io
Max. charging voltage	[V] DC	5
Battery capacity	[mAh]	750
Protection class		III
Protection type VDE 700		IP40
Round shaft 18 mm		✓
Ambient temperature, operation	[°C]	-20 to 65
Ambient temperature, charging	[°C]	0 to 65
Radio frequency	[MHz]	433,92
Radio code		BI
Sound pressure	[db(A)]	< 70



Manual



heiko.de



THE RETROFIT

electronic limit setting



ERSDC1038-02-BI

- ✓ No power connection required! - No electrician is required for the installation!
- ✓ Ideal for your DIY roller blinds / sunshade system with a shaft diameter of 50 mm
- ✓ Easy control with our emitters with radio code BI and via heicko smart stick or heicko smart Box (Opening status can be queried and adjusted by the app)
- ✓ Voice control via Google Home, Alexa, Bixby and Siri (heicko smart stick or smart box required)
- ✓ Charging via charger with Micro-USB plug (e.g. Smartphone charger) or solar panel possible (not included in scope of supply)



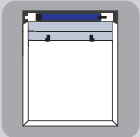
Radio control



Radio code



Quiet Motor



Upper limit



Lower limit



Smart Home*



Battery



Suitable for solar charging

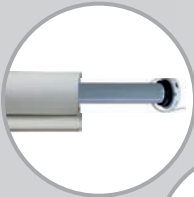
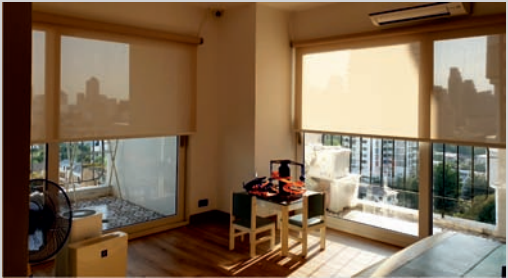


CE and RoHS compliant

*Compatible with the heicko Smart Stick item no. HD-SMART and the heicko Smart Box item no. HD-SMART-BOX

ERSDC1038-02-BI - THE RETROFIT -

Item no.		ERSDC1038-02-BI
Length without bracket	[mm]	642
Motor diameter	[mm]	28
Nominal voltage	[V] DC	12
Power	[W]	15
Rated torque	[Nm]	2
Maximum load	[kg]	3,5
Rated RPM	[rpm]	28
Rated current	[A]	1,25
Battery, fixed inside		Li-Io
Max. charging voltage	[V] DC	5
Battery capacity	[mAh]	2600
Protection class		III
Protection type VDE 700		IP20
Round shaft 50 mm		✓
Ambient temperature, operation	[°C]	-20 to 65
Ambient temperature, charging	[°C]	0 to 65
Radio frequency	[MHz]	433,92
Radio code		BI
Sound pressure	[db(A)]	< 70



Manual



heicko.de



Emitter

Item no. HIP01W



1-channel emitter, including battery, 433.92 MHz, white

- Compatible with our tubular motors and receivers with radio code G2
- Radio frequency 433.92 Mhz
- Range approx. 100 m (outdoors)
- Including battery and manuals

Item no. HIP05W



5-channel emitter, including battery, 433.92 MHz, white

- Compatible with our tubular motors and receivers with radio code G2
- Radio frequency 433.92 Mhz
- Range approx. 100 m (outdoors)
- Including battery and manuals

Item no. HD05BT



5-channel emitter with display, including battery, 433.92 MHz, timer, black

- Compatible with our tubular motors as well as receivers with radio code G2
- Single as well group channel control possible
- Channel and group display through Display
- Also equipped with a timer function
- The devices can be controlled at completely different time levels apart from each other
- Radio frequency 433.92 MHz
- Range approx. 100 m (in open areas)
- Including battery, magnetic wall bracket and manual

Item no. HD15B



15-channel emitter with display, including battery, 433.92 MHz, black

- Compatible with our radio tubular motors as well as receivers with radio code G2
- Single as well group channel control possible
- Channel and group display through Display
- Unused channels can be hidden
- Radio frequency 433.92 Mhz
- Range approx. 100 m (in open areas)
- Including battery, magnetic wall bracket and manual

Item no. HR120033WA



1-channel wall / hand-held emitter, incl. battery, 433.92 MHz, white

- Wall mounting frame with removable emitter
- Compatible with our bi-directional tubular motors and receivers (radio code G2)
- With "up and down" function
- Range approx. 100 m (outdoors)
- Including battery and manual

Item no. HR120038G2



1-channel mini key emitter, battery included, 433.92 MHz

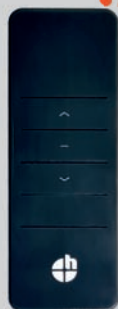
- Convenient format
- Radio frequency 433.92 Mhz
- Range approx. 100 m (in open areas)
- Ideal for controlling garage doors
- Including battery and manual

Emitter

BI

Item no. HIP01B-BI

1-channel emitter, including battery, 433.92 MHz, dark grey



- Compatible with our tubular motors as well receivers with radio code BI
- Radio frequency 433.92 MHz
- Range approx. 100 m (outdoors)
- Including battery and manual

Item no. HIP05BT-BI

5-channel emitter, including battery, 433.92 MHz, dark grey



- Compatible with our tubular motors as well receivers with radio code BI
- Single as well group channel control possible
- Also equipped with a timer function
- Radio frequency 433.92 Mhz
- Range approx. 100 m (outdoors)
- Including battery and manual

Item no. HD15BB

15-channel emitter with display, including battery, 433,92 MHz, black



- Compatible with our radio tubular motors as well as receivers with radio code BI
- Single as well group channel control possible
- Channel and group display through Display
- Radio frequency 433.92 Mhz
- Range approx. 100 m (in open areas)
- Including battery, magnetic wall bracket and manual

Item no. HR120033WA-BI

1-channel wall / hand-held emitter, incl. battery, 433.92 MHz, white



- Wall mounting frame with removable emitter
- Compatible with our bi-directional tubular motors and receivers (radio code BI)
- With "up and down" function
- Range approx. 100 m (outdoors)
- Including battery and manual

Item no. HR1200-SUN-BI

1-channel sun sensor, including transparent suction cup and button cell, bi-directional



- Compatible with our tubular motors and receivers with radio code BI
- Current consumption: 10 mA
- Protection class: IP65
- Radio frequency: 433,92 MHz
- Including battery and manual

Item no. HR1300-WIND-BI

1-channel wind and sun sensor for awnings and external shading systems, bi-directional



- Wind and sun sensor
- Compatible with our tubular motors and receivers with radio code BI
- Protection class: IP44
- Radio frequency 433.92 MHz
- Automatic opening of the awning as soon as the sun intensity exceeds the set value
- Automatic closing of the awning when the sun level is below the set value or if the wind speed exceeds the set value
- Manual



Smart Home

Voice control via Siri, Google Home and Alexa and Bixby is now possible. In addition, the smart stick can be used to integrate your roller blinds with the BI radio code into an existing smart home system. A simple voice command like "Ok Google, close the blinds in the bedroom" is enough. Enjoy the highest level of automation convenience.

With our motors with bi-directional communication, the opening status of your curtain can also be queried via the app. This allows you to check on the go whether your roller blind is currently open, closed or only 20% closed. You receive a current status display of your roller blinds at any time, whether you are on vacation or at work, and you can conveniently change the blinds status via smartphone.

Program processes according to your individual needs, have everyday processes in your home automatically controlled by self-defined timer functions, e.g. that your blinds should be opened every morning at 8:00 a.m. (up to 20 different schedules are possible) and increase burglary security .



Item no. HD-SMART



USB smart home stick, bi-directional

Control your interior roller blind and/or your exterior blind smartly - with your smartphone or tablet! Using the "Connector" app (available on Google Play and the Apple App Store), your roller blind/shutter and external receiver with BI radio code can be conveniently controlled with this smart stick (up to 30 motors/receivers).

Our smart stick has a flexible USB plug. Connect the smart stick to a place where there is a permanent power supply (e.g. to a socket with a USB port or a PC).

- Operate heicko radio motors with radio code BI as well as our external receivers with radio code BI quickly and easily via smartphone / tablet
- Now with bi-directional communication (e.g. you can use your smartphone to open 30% of your roller shutter and you can easily see the opening status of your blinds on your smartphone when you're on the go)
- Control via voice assistant possible (Google Home, Alexa, Bixby and Siri)
- Manages up to 30 motors simultaneously
- Various time settings possible

BI

Item no. HD-SMART-BOX



Smart Home Box, bi-directional and G2

Control your interior roller blind and/or your exterior blind smartly - with your smartphone or tablet!

Using the "Connector" app (available from Google Play and the Apple App Store), your roller blind/shutter and external receiver with radio code G2 and radio code BI can be conveniently controlled with this smart box (up to 30 motors/receivers).

- Operate heicko radio motors with radio code BI and G2 as well as our external receivers with radio code BI and G2 quickly and easily via smartphone / tablet
- Now with bi-directional communication (e.g. you can use your smartphone to open 30% of your roller shutter and you can easily see the opening status of your blinds on your smartphone when you're on the go)
- Control via voice assistant possible (Google Home, Alexa, Bixby and Siri)
- Manages up to 30 motors simultaneously
- Various time settings possible

G2

BI

Receiver

G2

Item no. HR120036D



Radio receiver, external for tubular motor 230 V/AC; 433.92 MHz, grey

- External radio receiver, can be housed in a flush-mounted box or mounted on a surface
- Connected to the tubular motor, the receiver can be operated with a compatible emitter and button switch conveniently
- Convenient operation with various heicko emitters with radio code G2 and via e-Smart Home Gateway (Broadlink), the everHome CloudBox and the heicko SMART BOX
- Radio frequency 433.92 MHz, radio code G2
- Including manual
- Suitable for all common flush-mounted sockets

The universal external radio receiver is suitable for controlling roller shutter motors, awnings, blinds and other electrical consumers such as lighting, pond pumps, etc. One or more radio receivers can be controlled with our emitters. With the emitter HD05BT and its timer function, time-controlled automatic operation of the connected consumers is possible. In addition, a button switch can also be integrated. To do this, the receiver is first installed in a deep flush-mounted box and then the switch range from any manufacturer is surface-mounted (see video and installation instructions). All functions can be implemented with a smartphone or tablet and the everHome Cloudbox (at least the Plus package, not included in the scope of delivery).

Permissible connected load max. 200 W.

Item no. HR120033G2



Radio receiver, external for tubular motor 230 V/AC; 433.92MHz, grey

- Convenient operation with various heicko emitters with radio code G2 and via e-Smart Home Gateway (Broadlink), the everHome CloudBox and the heicko SMART BOX
- Mounted in the roller shutter box or in a junction box next to or in the window reveal
- Connected to the tubular motor, it can be conveniently operated with the emitters mentioned above
- Highlight: In the case of renovation, no separate cable needs to be laid from the roller shutter box to the switch!
- Radio frequency: 433.92 MHz, G2 radio code
- Protection class: IP44

The universal, external radio receiver HR120033G2 is suitable for controlling roller shutter, awning and blind motors as well as other electrical consumers such as lighting, pond pumps, etc. One or more radio receivers can be controlled simultaneously with our emitters. In combination with the emitter HD05BT and its timer function, time-controlled automatic operation of the connected consumers is possible.

Permissible connected load max. 400 W.

Item no. HR120032G2



Button switch with integrated radio receiver, flush-mounted, 230 V/AC, white RAL 9003

- Modern, external 1-channel radio receiver switch, radio code G2
- Up, down and stop button
- Integrated radio receiver
- Tubular motor can be controlled by radio
- Convenient operation with various heicko emitters with radio code G2 and via e-Smart Home Gateway (Broadlink), the everHome CloudBox and the heicko SMART BOX
- Radio frequency 433.92 MHz, radio code G2
- Including operating instructions
- For retrofitting all commercially available tubular motors without radio
- Suitable for all common flush-mounted sockets

Receiver

Item no. HR120036BI



Radio receiver, external for tubular motor 230 V/AC; 433.92 MHz, grey

- External radio receiver, can be housed in a flush-mounted box or mounted on a surface
- Connected to the tubular motor, this can be operated with a compatible emitter and button switch conveniently
- Compatible with our emitters with radio code BI as well as with the heicko Smart-Stick and the Smart-Box
- Connected motor receives blockage recognition function
- Radio frequency: 433.92 MHz, radio code BI
- Including manual
- Suitable for all common flush-mounted sockets

The universal external radio receiver is suitable for controlling tubular motors, awnings, blinds and other electrical consumers such as lighting, pond pumps, etc. One or more radio receivers can be controlled with our emitters. In addition, a button switch can also be integrated. To do this, the receiver is first installed in a deep flush-mounted box and then the switch range from any manufacturer is surface-mounted. All functions can be implemented in combination with the heicko Smart-Stick and the heicko SMART-BOX with a smartphone or tablet and the free APP for Android and IOS. Thanks to the latest technology, our receivers can be voice-controlled in combination with our smart stick or smart box. Schedules can also be entered via the app. The receiver can be voice controlled with Alexa, Google Home, Bixby and Siri as well as IFTTT. The blinds can be individually adjusted using bi-directional communication (e.g. 35% opening with motors). This opening state is reflected in the app and can be regulated using a slider (except for the HREPP series).

Permissible connected load max. 200 W.

Item no. HR120033BI



Radio receiver, external for tubular motor 230 V/AC; 433.92MHz, grey

- Compatible with our emitters with radio code BI as well as with the heicko Smart-Stick and the heicko Smart-Box
- Mounted in the roller shutter box or in a junction box next to or in the window reveal
- Connected to the tubular motor, it can be conveniently operated with the emitters mentioned above
- Highlight: In the case of renovation, no separate cable needs to be laid from the roller shutter box to the switch!
- Radio frequency: 433.92 MHz, radio code BI
- Protection class: IP44

The universal, external radio receiver HR120033BI is suitable for controlling roller shutter, awning and blind motors as well as other electrical consumers such as lighting, pond pumps, etc. One or more radio receivers can be controlled simultaneously with our emitters. All functions can be implemented in combination with the heicko Smart-Stick and the heicko SMART-BOX with a smartphone or tablet and the free APP for Android and IOS. Thanks to the latest technology, our receivers can be voice-controlled in combination with our smart stick or smart box. Schedules can also be entered via the app. The receiver can be voice controlled with Alexa, Google Home, Bixby and Siri as well as IFTTT. The blinds can be individually adjusted using bi-directional communication (e.g. 35% opening with motors). This opening state is reflected in the app and can be regulated using a slider (except for the HREPP series). **Permissible connected load max. 400 W.**

Item no. HR120032BI

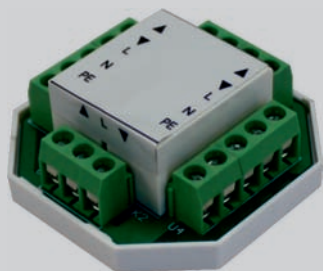


Button switch with integrated radio receiver, flush-mounted, 230 V/AC, white RAL 9003

- Modern, external 1-channel radio receiver switch, radio code BI
- Up, down and stop button
- Integrated radio receiver
- Tubular motor can be controlled by radio
- Compatible with our emitters with radio code BI as well as with the heicko Smart-Stick and the heicko Smart-Box
- Radio frequency: 433.92 MHz, radio code BI
- Including operating instructions
- For retrofitting all commercially available tubular motors without radio
- Suitable for all common flush-mounted sockets

Relay

Item no. HR120039



Relay for tubular motors, grey/green

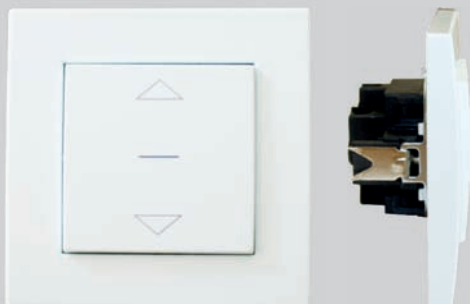
- Relay for tubular motors
- 230V/AC
- Allows tubular and awning motors to be connected in a parallel arrangement
- Depending on the application, individual and group switching possible (application examples at www.heicko.de)
- Suitable for all common flush-mounted sockets

Absolutely necessary to operate several motors with one switch

The heicko isolating relay is required for the operation/actuation of tubular motors connected in a parallel arrangement (with mechanical and electronic limit positions). Depending on the purpose, it can be operated with our switch HR120035A or timer switch HR120034G2. In addition, individual and group switching is possible with the relay.

Timer and switches

Item no. HR120035A



Flush-mounted roller shutter switch for roller shutters and blinds with up/down button, flush-mounted, 230 V/AC, white, RAL 9003

- Modern rocker switch with "up and down" function
- Directional arrows on the seesaw
- Suitable for all common flush-mounted sockets

Item no. HR120035AP



Surface-mounted roller shutter switch for roller shutters and blinds with up/down button, 230 V/AC, white, RAL 9003

- Rocker switch with "up and down" function
- Directional arrows on the seesaw
- For wall surface mounting
- Suitable for roller shutters and blinds
- Length approx. 8.5 cm; width approx. 4.2 cm; height about 4 cm

Item no. HR120034G2

Button switch with timer, flush-mounted, 230 V/AC, white, RAL 9003



- "Up and down" flush-mounted switch for tubular motors
- With display and timer function
- There must be a direct power connection to the tubular motor
- The switch can be assigned different times for "opening and closing" a tubular motor
- Clock without outer frame: 50 x 50 mm
- Suitable for all common flush-mounted sockets

Item no. HR120032B

Surface-mounted box for various flush-mounted switches and controls



- Surface-mounted box for e.g rocker switches
- Simple attachment of the box to the wall for convenient installation of the flush-mounted switch

Brackets for motors with square shaft reception

Item no. HR120001



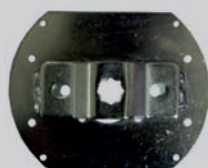
- Universal bracket for tubular motors with 10 mm square shaft
- Adjustable height, with backup clip
- 55 x 123 mm

Item no. HRF1200080



- Bracket for roller shutter boxes from Kömmerling and Veka
- For tubular motors with 10 mm square shaft
- 100 x 100 mm

Item no. HRF1200060



- Bracket for roller shutter boxes from Inoutic
- For tubular motors with 10 mm square shaft
- 85 x 107 mm

Item no. HRF1200160



- Bracket for roller shutter boxes from SKS
- For tubular motors with 10 mm square shaft
- 95 x 112 mm

Item no. HRL120010



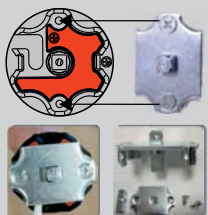
- Bracket for new construction and old buildings
- For tubular motors with 10 mm square shaft

Item no. HR120005



- Wing bracket
- Including splints
- For tubular motors of the series ER and ERF with wing head (Ø 45 mm)

Item no. HRV1300C10



- Adapter for tubular motors of the series HR60*, HRK*, HRF60* with clippable motor head
- Conversion of the motor head for use brackets with 10 mm square shaft reception
- Including 2 fastening screws

Brackets for motors with clippable motor head

Item no. HR120001C



- Universal bracket for tubular motors with clippable motor head
- Adjustable height
- 55 x 123 mm

Item no. HR120002C



Universal bracket with emergency function for an easy unwinding of the roller shutter in case of failure, for tubular motors with clippable motor head.

- Emergency function
- Adjustable height
- 55 x 123 mm

Two-pieced bracket for an easy disassembly of tubular motors. Due to releasing the splint, the motor head and the bracket crown are not fixed. The roller shutter can therefore be unwinded easily for a subsequent disassembly of the roller shutter shaft.

Item no. HR120006C



- Universal bracket
- Including spring washer
- For tubular motors with clippable motor head
- 108 x 83mm

Item no. HRF1200080C



- Bracket for roller shutter boxes from Kömmerling and Veka
- For tubular motors with clippable motor head
- 100 x 100 mm

Item no. HRF1200060C



- Bracket for roller shutter boxes from Inoutic
- For tubular motors with clippable motor head
- 85 x 107 mm

Item no. HRF1200160C



- Bracket for roller shutter boxes from SKS
- For tubular motors with clippable motor head
- 95 x 112 mm

Item no. HRV120020C



- Bracket for roller shutter stem elements
- For tubular motors with clippable motor head

Item no. HR120003C



- Cap Bracket
- For tubular motors with clippable motor head

Setting cable

Item no. HR130020



- Motor setting cable, 4-wired
- Length approx. 2.8 m
- Suitable for series HREPP
- Programming button for manual saving of the limit positions as well as other functions
- Up / Stop / Down switch for controlling the motor

Item no. HR130030



- Switch cable for starting the motor, 4-wired
- Length approx. 2.8 m
- Suitable for series HR, HRF, HREPPF, ER, ERF, ERN, ERFN
- Programming button without function to protect the motor
- Up / Stop / Down switch for controlling the motor

Plug connection motor head



A four-pole plug (with screwcap and sealing gasket, cable length 15 cm) is located on the motor's head for the power supply. Corresponding to the four-pole plug we deliver a supply cable with the length of approx. 185 cm and four-pole coupling. Total length of the plug connection: 200 cm. This plug connection corresponds to the protection class IP44. Additionally we offer cables at any desired length to be ordered separately.

Advantages:

1. More flexible installation (particularly in high elements, in which a cable of 2 meters is not sufficient)
2. Simple removal or exchange of the tubular motor without disconnecting the supply cable from the line.
3. No electrician is required for the connection / disconnection of the plug connection.

Item no. HR1200C-3-KABEL



- Tubular motor cable for plug connection (FP / FS / ST- series only)
- Total length: 3 m

Item no. HR1200C-5-KABEL



- Tubular motor cable for plug connection (FP / FS / ST- series only)
- Total length: 5 m

Charger

Item no. HR1200LA-12,6



- 12,6 V charger, suitable for heiko DC tubular motor series HRSDC4013*
- Charging is controlled by integrated charging electronics
- LED Ladezustandsanzeige
- Max. output: 1 A charging current, 12,6 V
- Euro plug, 100 V-240 V 50/60 Hz
- Cable length: 4 m

Item no. HR1200LA-5-USB



- 5 V charging adapter particularly suitable for heiko battery motors of the ERSDC* series
- Extra long cable (3 m) with micro USB plug for easy connection even in hard-to-reach places

Solar panel

Item no. HR1200-LA-SOLAR3



- 12,6 V solar panel charger, 5,6 W
- Dimensions: 556 x 64 x 3 mm
- Convenient charging of our battery motors by solar radiation
- Connection cable (2000 mm) with jack plug
- Suitable for indoor and outdoor use
- Compatible with our battery motors HRSDC4013-14-*
- Incl. stainless steel brackets and screws as well as 3M tape for attachment outdoors or on the inside of the window

Item no. HR1200LA-SOLAR-USB



- 5V solar panel charger, 3W
- Dimensions: 400 x 50 x 2,5 mm
- Convenient charging of our battery motors by solar radiation
- Connection cable (1500 mm) with micro USB plug
- Suitable for indoor use
- Compatible with our ERSDC* battery motors with micro USB socket
- Incl. 3M tape for attachment to the inner window pane

Fixing spring

Item no. HR144160



- Backup / fixing spring 160 mm
- For 8 mm roller shutter profiles
- White

Item no. HR144200

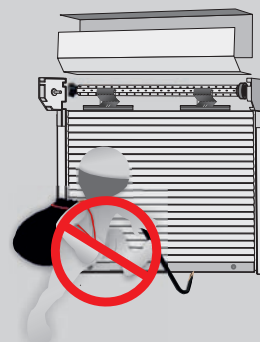
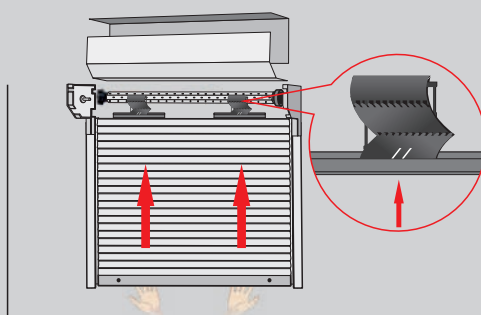
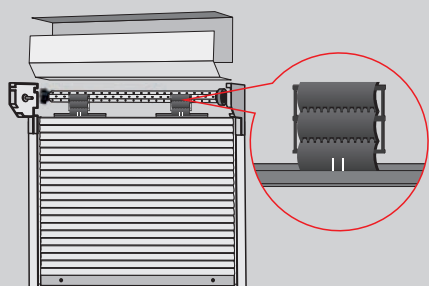


- Backup / fixing spring 200 mm
- For 8 mm roller shutter profiles
- White

Rigid shaft connector

Mandatory for electronic tubular motors

Safety and precision



Advantages:

The rigid shaft connectors in motorised roller shutters are used instead of standard suspension springs. They get clipped or fastened on the shaft. By this the pushing up of the shutter becomes very difficult.

1.) The rigid shaft connectors are **mandatory** for motors with obstacle detection.

2.) Lifting up the shutter from outside the house becomes almost impossible. The protection against burglary is appreciable higher. „Securing windows with conventional roller shutter systems is insufficient! Usual roller shutter systems do not have an anti-burglary effect and are mainly used for privacy and for shade matters. Nevertheless there should be a protection with additional, mechanical rigid shaft connectors, to prevent any push-up of the roller shutter from the outside.”

(Source: <http://www.einbruchschutz.polizei-beratung.de/rolllaeden>)

Item no. HR130002



- Rigid shaft connector
- 2 segments
- Can be clipped on the shaft
- Change adapter for size 8 mm and 14 mm shutter sheets
- Required for motors with obstacle detection

Item no. HR130005



- Rigid shaft connector, 3 segments, for 8 mm shutter sheets
- Required for tubular motors with obstacle detection
- Quick and easy assembly without special tools
- Reduced radial space is required, up to 30 cm more height of the roller shutter in the roller shutter box
- The rigid shaft connector is safely attached to the shaft

Item no. HR130006



- Rigid shaft connector, 4 segments, for 8 mm shutter sheets
- Required for tubular motors with obstacle detection
- Quick and easy assembly without special tools
- Reduced radial space is required, up to 30 cm more height of the roller shutter in the roller shutter box
- The rigid shaft connector is safely attached to the shaft

Item no. HR130007



- Rigid shaft connector, 5 segments, for 8 mm shutter sheets
- Required for tubular motors with obstacle detection
- Quick and easy assembly without special tools
- Reduced radial space is required, up to 30 cm more height of the roller shutter in the roller shutter box
- The rigid shaft connector is safely attached to the shaft

Item no. HR130009

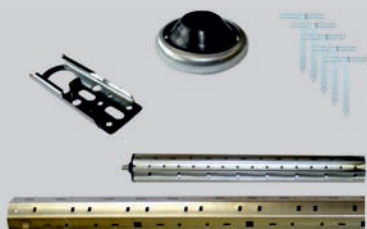


Adapter rail suitable for rigid shaft connectors

- Adapter rail suitable for rigid shaft connectors HR130005, HR130006, HR130007
- For 8 mm shutter sheets to attach to 14 mm shutter sheets
- For the connection of the pre-assembled rigid shaft connector with the roller shutter

Shutter accessories

Item no. HR1460P1-1500

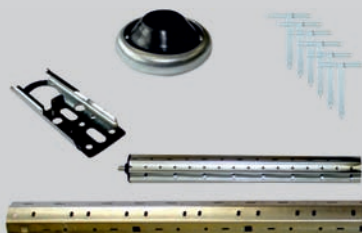


Set of accessories, 60 mm, up to a length of 1500 mm. For renovation and new construction

Scope of supply:

- 1 x steel shaft, 60 x 0,6 mm octagonal, cut to size 1250 mm
- 1 x telescopic shaft, SW60, 480 mm with pre-mounted idler
- 1 x bearing, adjustable in height with safety catch
- 1 x ball bearing with bore 12.5 mm
- 5 x fixing springs, 200 mm

Item no. HR1460P1-2000

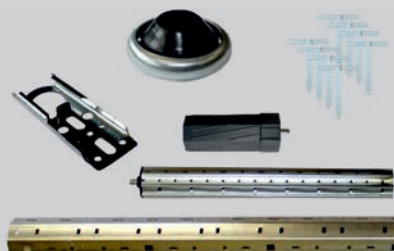


Set of accessories, 60 mm, up to a length of 2000 mm. For renovation and new construction

Scope of supply:

- 1 x steel shaft, 60 x 0,6 mm octagonal, cut to size 1750 mm
- 1 x telescopic shaft, SW60, 480 mm with pre-mounted idler
- 1 x bearing, adjustable in height with safety catch
- 1 x ball bearing with bore 12.5 mm
- 6 x fixing springs, 200 mm

Item no. HR1460P1-3000



Set of accessories, 60 mm, up to a length of 3000 mm. For renovation and new construction

Scope of supply:

- 1 x steel shaft, 60 x 0,6 mm octagonal, cut to size 1750 mm
- 1 x telescopic shaft, SW60, 480 mm with pre-mounted idler
- 1 x bearing, adjustable in height with safety catch
- 1 x ball bearing with bore 12.5 mm
- 8 x fixing springs, 200 mm

Accessories

Item no. HR140014



- Pre-fabricated housing bearing with 35 mm radius, for usage with HR140010 and HR140012

Item no. HR140015



- Screw-on bearing shell made of plastic for bearing HR140010 and HR140012

Item no. HR140010



- Ball bearing (40 x 10 mm) with collar and 10 mm inner diameter

Item no. HR140012



- Ball bearing (40 x 12 mm) with collar and 12 mm inner diameter

Item no. HR146012



- Idler for 60 mm octagonal shaft
- With intake of blind gaskets or limiter disks
- Total length: 145 mm
- Ø 12 mm axial pin

Item no. HR144010



- Idler for 40 mm octagonal shaft
- With intake of blind gaskets or limiter disks
- Total length: 112 mm
- Ø 10 mm axial pin

Item no. HR146010



- Idler for 60 mm octagonal shaft
- With intake of blind gaskets or limiter disks
- Total length 135 mm
- Ø 10 mm axial pin

Item no. HR144401



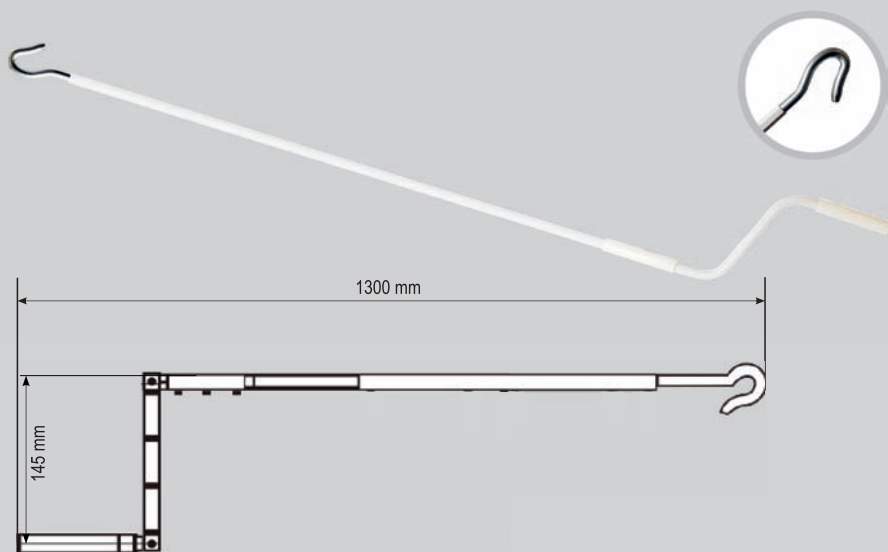
- End stop stopper for maxi roller shutters
- Length: 40 mm
- White

Item no. HR144404



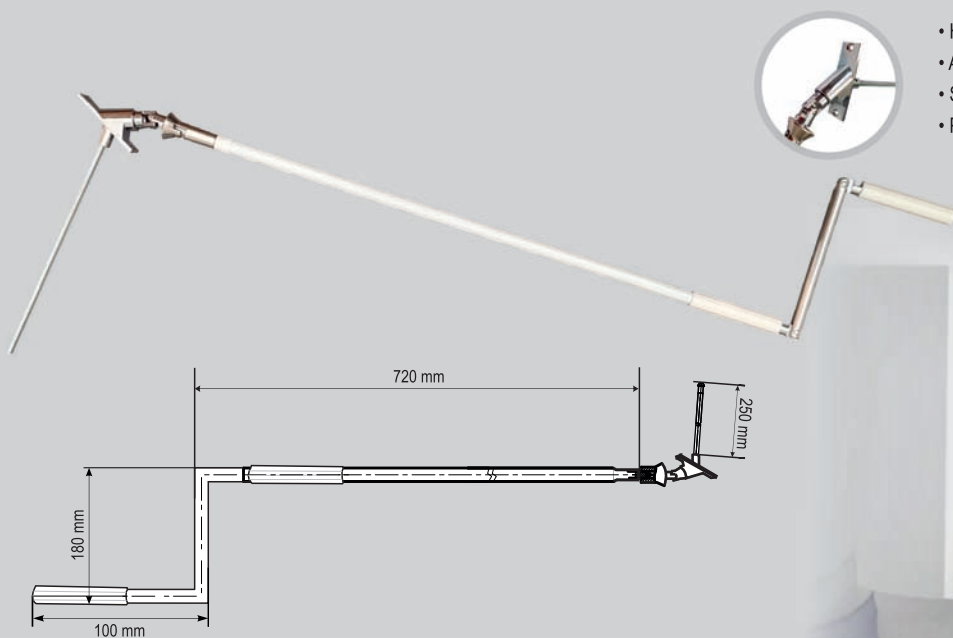
- End stop stopper for maxi roller shutters
- Length: 40 mm
- Grey

Item no. ERNK1450



- Hand crank in case of power failure
- Suitable for series ERN, ERFN and ERESFN
- Removable
- Length: 1300 mm

Item no. ERNK1000



- Hand crank in case of power failure
- Attachment on the motor's head, not removable after installation
- Suitable for series: ERN, ERFN and ERESFN
- Plastic holder for fixing the bar to the masonry is included














If rescue windows or escape doors are closed by electrically operated roller shutters, it must be ensured that even if the electric drive fails, it is possible to manually raise the roller shutter and thus open the escape window or escape door from the inside.

Appropriate technical solutions for windows and doors must meet the requirements of the fire protection officers and approving authorities and can vary from state to state.

The additional hand crank (emergency hand crank) for emergency operation offers a mechanical alternative to opening an electrically operated roller shutter. It is installed on the roller shutter box either on the wall or concealed within the reveal. The latter depends on the respective component and the installation situation and cannot always be implemented.

The crank cannot be removed, but is firmly connected to the roller shutter motor and is fixed to the masonry with a small plastic holder.

Adapter for octagonal shafts

Item no. DCDA3540		Item no. HR120010	
	<ul style="list-style-type: none">• Adapter-kit• Octagonal shaft 40 mm• For tubular motors with Ø 35 mm		
		Dimensions	Dimensions
Item no. DCDA4550		Item no. DCDA4560	
	<ul style="list-style-type: none">• Adapter-kit• Octagonal shaft 50 mm• For tubular motors with Ø 45 mm		
		Dimensions	Dimensions
Item no. HR120011		Item no. DCAT3545	
	<ul style="list-style-type: none">• Adapter-kit• Octagonal shaft 40 mm• For tubular motors with Ø 35 mm		
		Dimensions	Dimensions
Item no. DCDA5970			
	<ul style="list-style-type: none">• Adapter-kit• Octagonal shaft 70 mm• For tubular motors with Ø 59 mm		
		Dimensions	

Adapter for round shafts

Item no. DCA3550



- Adapter-kit
- Round shaft 50 mm
- For tubular motors with Ø 35 mm



Dimensions

Item no. DCDA4561



- Adapter
- Round shaft 54 mm, FS = Soprofen
- For tubular motors with Ø 45 mm



Dimensions

Item no. DCDA4562



- Adapter-kit
- Round shaft 54 mm, FP = Zurflüh-Feller
- For tubular motors with Ø 45 mm



Dimensions

Item no. DCA3563



- Adapter-kit
- Round shaft 63 mm
- For tubular motors with Ø 35 mm and Ø 45 mm



Dimensions

Item no. DCDA4563



- Adapter-kit
- Round shaft 64 mm, FP = Zurflüh-Feller
- For tubular motors with Ø 45 mm



Dimensions

Item no. HR130016M



- Adapter-kit with flat groove
- Round shaft 62 mm
- For tubular motors with Ø 45 mm



Dimensions

Item no. DCDA4570



- Adapter-kit
- Round shaft 70 mm
- For tubular motors with Ø 45 mm



Dimensions

Item no. HR130013M



- Adapter-kit
- Round shaft 78 mm
- For tubular motors with Ø 59 mm



Dimensions

Item no. HR130015M



- Adapter-kit
- Round shaft 78 mm
- For tubular motors with Ø 59 mm



Dimensions

Item no. DCDA4585



- Adapter-kit
- Round shaft 85 mm
- For tubular motors with Ø 45 mm



Dimensions

Item no. DCDA5985



- Adapter-kit
- Round shaft 85 mm
- For tubular motors with Ø 59 mm



Dimensions



heicko
e-ast gmbh

verkauf@heicko.de
www.heicko.de