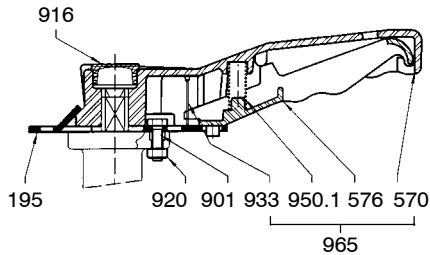
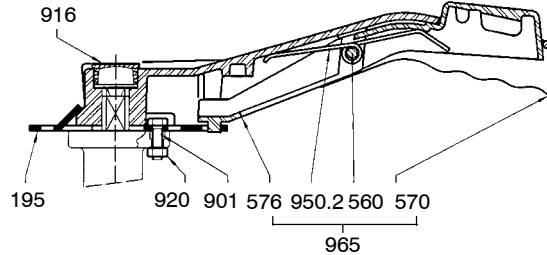


This document defines the 1/4-turn handles suitable for driving KSB-AMRI butterfly valves.

## Production range

Type	S	SF	SR	SFR	SP	SM
Function	On or off		Locking in 9 intermediate positions		Locking in any position	
Construction	Light alloy	Ductile iron	Light alloy	Ductile iron	Light alloy	Ductile iron

**S and SR handles. Length 180, 260 and 330 mm**
**Construction**
**Handle length 180 mm**

**Handle length 260 or 330 mm**


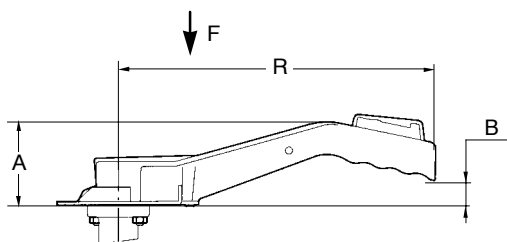
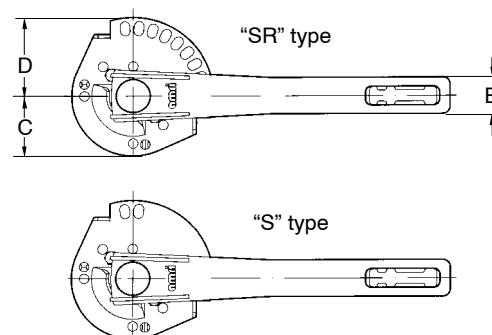
Item	Designation	Materials
195	Flange plate	Cadmium or zinc coated steel
901	Hexagon-head screw	Cadmium or zinc coated steel cl. 8.8
916	Plug	Polyethylene
920	Hexagon nut	Cadmium or zinc coated steel cl. 8.8
965	Wrench length 180 mm, including:	
	570 Lever	Light alloy
	576 Swing lever	Light alloy
	933 Retainer	Stainless steel
	950.1 Spring	Stainless steel
965	Wrench length 260 and 330 mm, including:	
	560 Pin	Steel
	570 Lever	Light alloy
	576 Retainer	Light alloy
	950.2 Spring	Stainless steel

**Characteristics**

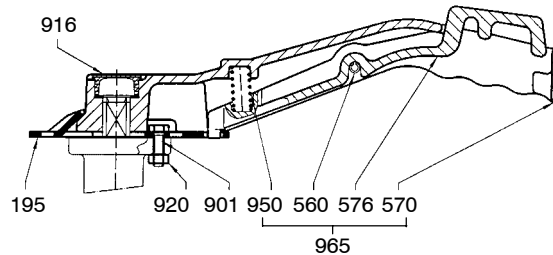
- S handle: locking in the fully open and fully closed positions.
- SR handle: locking in 9 positions (fully open, fully closed and 7 intermediate positions)
- Anti-corrosion protection: polyurethane paint, colour dark grey RAL 7016, thickness 80 µm.

**Operation**

Locking is achieved by gripping of the swing lever (item 576) in the oblong slots of the flange plate (item 195).

**Overall dimensions (mm) and weight (kg)**

**View from F**


Length R mm	A mm	B mm	C mm	D mm	E mm	Weight kg
180	55	30	50	66	25	0.50
260	75	20	50	66	25	0.60
330	85	30	50	66	25	0.70

**SF and SFR handles. Length 260 and 330 mm**
**Construction**
**Handle length 260 or 330 mm**


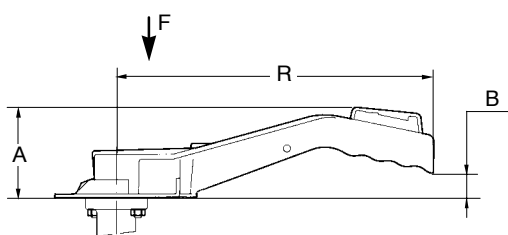
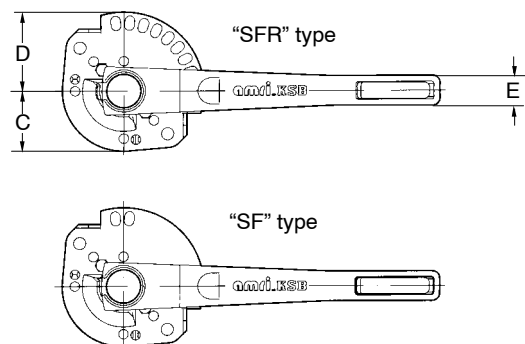
Item	Designation	Materials
195	Flange plate	Stainless steel
901	Hexagon-head screw	Stainless steel cl. A2-80
916	Plug	Polyethylene
920	Hexagon nut	Stainless steel cl. A2-80
965	Wrench including:	
	560 Pin	Stainless steel
	570 Lever	Spheroidal graphite cast iron
	576 Swing lever	Spheroidal graphite cast iron
	950 Spring	Stainless steel

**Characteristics**

- SF handle: locking in the fully open and fully closed positions.
- SFR handle: locking in 9 positions (fully open, fully closed and 7 intermediate positions)
- Anti-corrosion protection: polyurethane paint, colour dark grey RAL 7016, thickness 80 µm.

**Operation**

Locking is achieved by gripping of the swing lever (item 576) in the oblong slots of the flange plate (item 195).

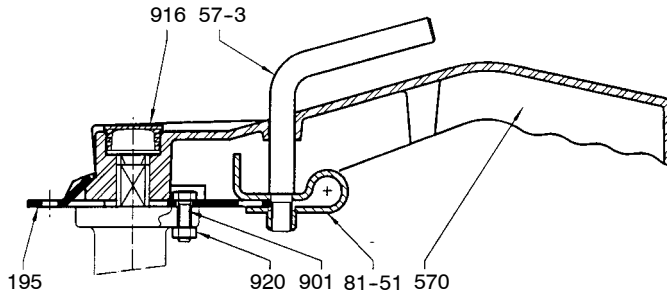
**Overall dimensions (mm) and weight (kg)**

**View from F**


Length R mm	A mm	B mm	C mm	D mm	E mm	Weight kg
260	75	20	50	66	25	1.40
330 Plate ISO F05/F07	85	30	50	66	25	1.75
330 Plate ISO F10	96	41	50	66	25	1.75

**SP handle. Length 260 and 330 mm**

**Construction**

Handle length 260 or 330 mm



Item	Designation	Materials
195	Flange plate	Cadmium or zinc coated steel
570	Lever	Light alloy
57-3	Locking lever	Cadmium or zinc coated steel
81-51	Clamping piece	Cadmium or zinc coated steel
901	Hexagon-head screw	Cadmium or zinc coated steel cl. 8-8
916	Plug	Polyethylene
920	Screw	Cadmium or zinc coated steel cl. 8

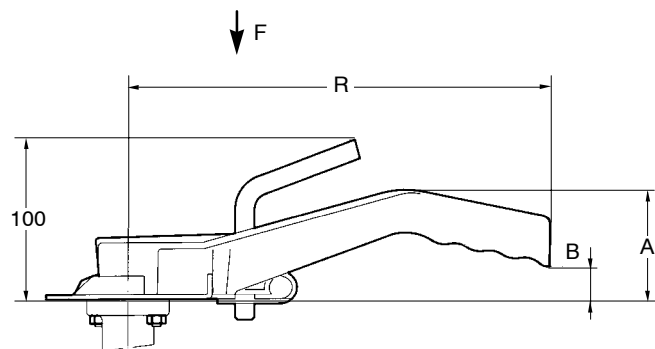
**Characteristics**

- Locking in any position.
- Anti-corrosion protection: polyurethane paint, colour dark grey RAL 7016, thickness 80 µm.

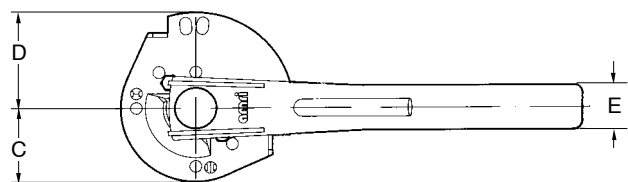
**Operation**

Locking in any position is achieved by tightening the locking lever (item 57-3).

**Overall dimensions (mm) and weight (kg)**



View from F

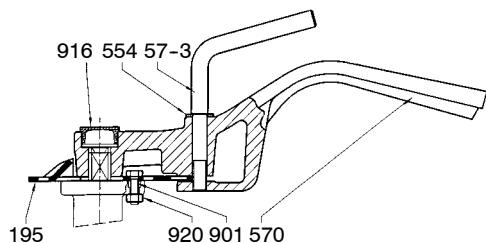


Length R mm	A mm	B mm	C mm	D mm	E mm	Weight kg
260	68	20	50	66	25	0.73
330	82	30	50	66	25	0.80

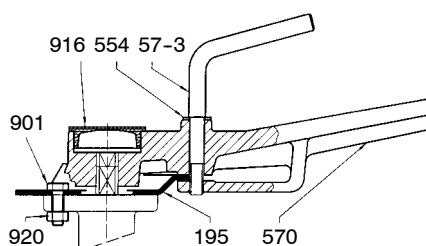
**SM handle. Length 260, 330 and 530 mm**

**Construction**

**Handle length 260 or 330 mm**



**Handle length 530 mm**



Idem	Designation	Materials
195	Flange plate	Stainless steel
554	Washer	Stainless steel
570	Lever	Spheroidal graphite cast iron
57-3	Locking lever	Stainless steel
901	Hexagon-head screw	Stainless steel cl. A2-80
916	Plug	Polyethylene
920	Hexagon nut	Stainless steel

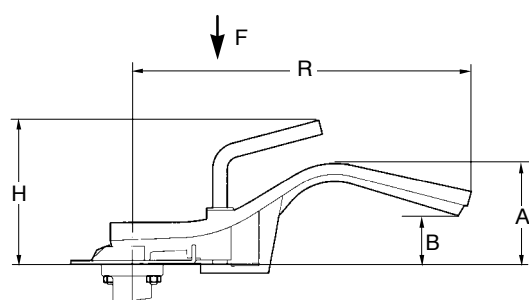
**Characteristics**

- Locking in any position.
- Anti-corrosion protection: polyurethane paint, colour dark grey RAL 7016, thickness 80 µm.

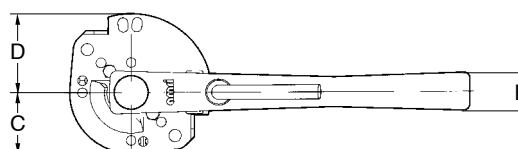
**Operation**

Locking in any position is achieved by tightening the locking lever (item 57-3).

**Overall dimensions (mm) and weight (kg)**



**View from F**



Length R mm	A mm	B mm	C mm	D mm	E mm	H mm	Weight kg
260	82	45	50	66	32	110	1.30
330 Plate F05/F07	82	45	50	66	32	110	1.55
330 Plate F10	93	56	50	66	32	121	1.55
530 Plate F07/F10	100	84	50	59	32	100	3.30
530 Plate F12	106	90	50	59	32	106	3.30

### Adaptabilities

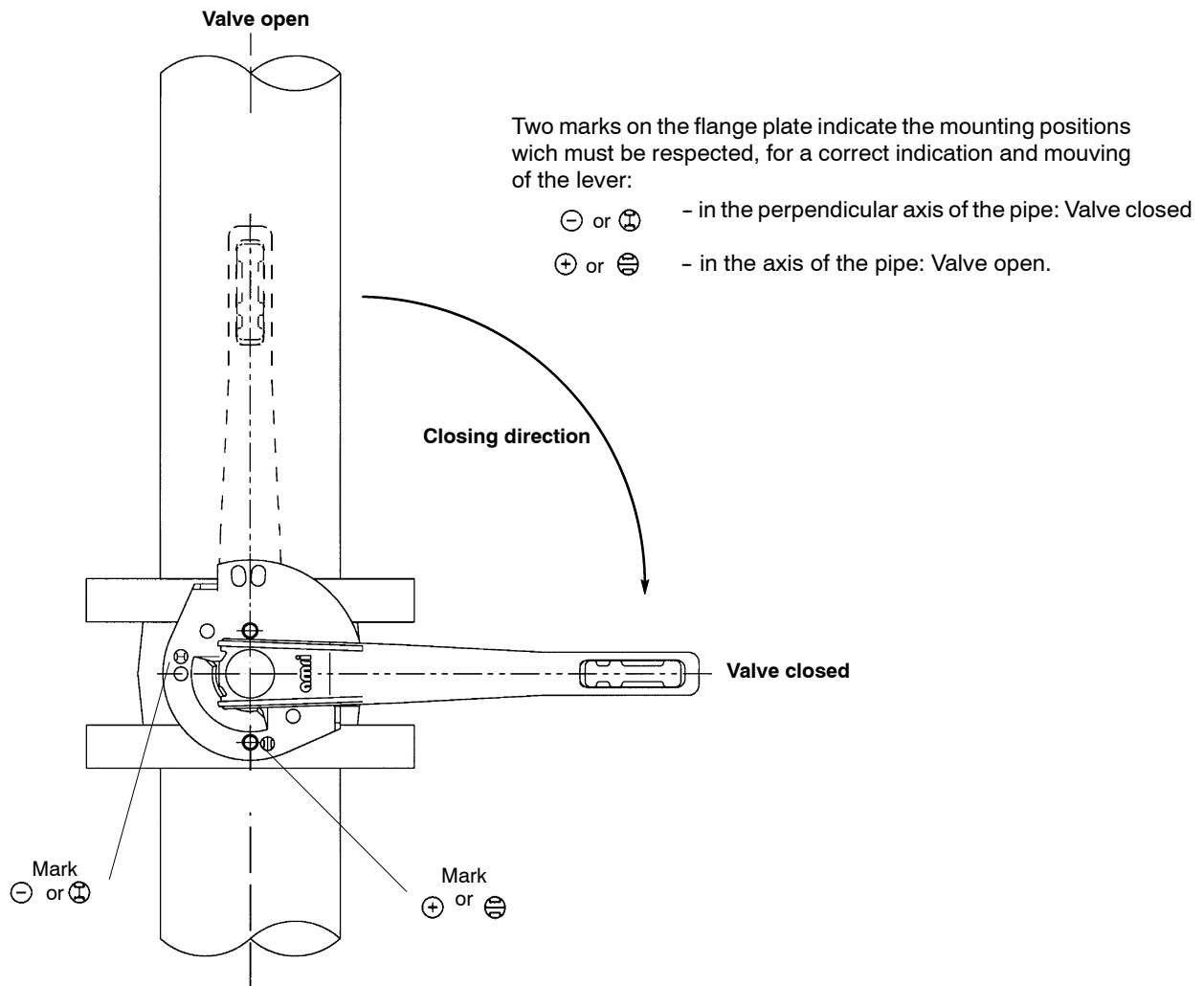
The table below defines adaptabilities in function of plates and shaft end (square or flat).

Length handle is defined by the working torque of each valve.

Handle lengths	180 mm	260 mm	330 mm		530 mm	
Mounting plate ISO	F05 / F07	F05 / F 07	F05 / F07	F10	F07 / F10	F12
Flat shaft end	11	11	11 / 14	14	14 / 17 / 19 / 22	22
Square shaft end	16	16	16	16	16 / 19 / 25	25

### Mounting

The closing of the valve is made by the handle rotation in clockwise.  
The disc position is in accordance with the position of the operating lever.



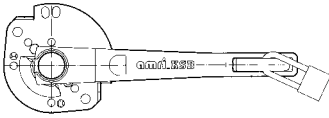
**Options**

• **Padlocking**

**S, SR, SF and SFR handles**

Two types of padlocking may be available.

In any case, the joint of the swing lever is riveted to prevent the dismantling and the mounting screws are lead sealed.



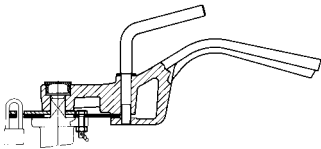
Locking by means of padlock with ring bow  $\varnothing$  6 to 8 mm.  
3 padlocks maximum.

Note: we do not supply the padlocks.

**SM handle**

An intermediate plate, on the valve shaft is fitted between the flange plate and the lever.

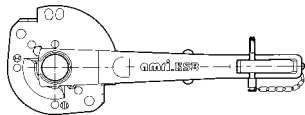
The mounting screws are lead sealed.



Locking of the intermediate plate on the flange plate by means of padlock with ring bow  $\varnothing$  6 to 8 mm.  
Only one padlock can be used.

Note: we do not supply the padlock.

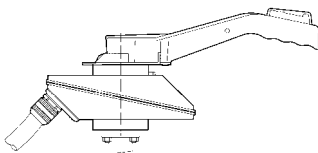
• **"TIR" lead sealing**



Locking by means chain and pin for sealing with wire or foil.

Note: we supply chain and pin.

• **Limit switches box**



The "S" series handles can be equipped with AMTROBOX M limit switches box.

For further information, please consult AMTROBOX M type series booklet no. 8523.1-10



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