

## Swing Check Valves - Series 41

The swing check valves are typically installed after a pump unit in order to prevent the water from flowing back through the pump, when it stops.

**In contrary to ball check valves, swing check valves with lever and weight can be:**

- adjusted
- forced open or closed
- recognized open or closed at a distance

Because of the hexagon connection of the shaft and lever the swing check valve can be installed in any position.

- GGG-50
- With or without lever/weight
- DN 80 - 200
- Resilient seated (alternatively metal seated)
- Face to face to DIN 3202, F6



Front Page

Products

- [Water Works](#)

## Description of series 41/65 Swing check valve for water

Resilient seated swing check valve without lever and weight.

Body, bonnet and hinge of GGG-50.

DN 80-200. PN 10 and 16.

Disc fully vulcanized with EDPM rubber.

Flanges to ISO 7005-2, face to face dim. to DIN 3202, F6.

Full bore. Disc and hinge assembled on a stainless steel shaft fitted in the bonnet.

Bonnet gasket of EPDM rubber in groove between body and bonnet.

Epoxy coating to DIN 30677 - internally and externally.

Like AVK series 41/65 or approved equivalent.



**Front Page**



**Products**

- **Water Works**



## Description of series 41/66 Swing check valve for water

Resilient seated swing check valve with lever and weight.

Body, bonnet, hinge and weight of GGG-50.

DN 80-200. PN 10 and 16.

Disc fully vulcanized with EDPM rubber.

Flanges to ISO 7005-2, face to face dim. to DIN 3202, F6.

Full bore. Disc and hinge assembled on a stainless steel shaft fitted in the bonnet.

Bonnet gasket of EPDM rubber in groove between body and bonnet.

Epoxy coating to DIN 30677 - internally and externally.

Like AVK series 41/66 or approved equivalent.



**Front Page**



**Products**

- **Water Works**





## Description of series 41/70 Swing check valve for water

Metal seated swing check valve without lever and weight.

Body, bonnet and hinge of GGG-50.

DN 80-200. PN 10 and 16.

Disc fully vulcanized with EDPM rubber and incorporated sealing ring.

Flanges to ISO 7005-2, face to face dim. to DIN 3202, F6.

Full bore. Disc and hinge assembled on a stainless steel shaft fitted in the bonnet.

Bonnet gasket of EPDM rubber in groove between body and bonnet.

Epoxy coating to DIN 30677 - internally and externally.

Like AVK series 41/70 or approved equivalent.



**Front Page**



**Products**

- **Water Works**





## Description of series 41/71 Swing check valve for water

Metal seated swing check valve with lever and weight.

Body, bonnet, hinge and weight of GGG-50.

DN 80-200. PN 10 and 16.

Disc fully vulcanized with EDPM rubber and incorporated sealing ring.

Flanges to ISO 7005-2, face to face dim. to DIN 3202, F6.

Full bore. Disc and hinge assembled on a stainless steel shaft fitted in the bonnet.

Bonnet gasket of EPDM rubber in groove between body and bonnet.

Epoxy coating to DIN 30677 - internally and externally.

Like AVK series 41/71 or approved equivalent.



**Front Page**



**Products**

- **Water Works**



To BS 5153: 1974 (1991)  
 Resilient seated  
 Face to face dimension to BS 5153: 1974 (1991) short  
 Flanges and drilling to ISO 7005-2 (EN 1092-2: 1997, DIN 2501)

**Use:**

For potable water and sewage to max. 70°C

**Tests:**

Hydraulic test to BS 5153 : 1974 (1991)  
 Seat: 1.1 x PN  
 Body: 1.5 x PN

**Optional extras:**

Lever and weight:  
 Mounted RHS as standard - can be mounted LHS on request  
 Tapping plug

**Additional information:**

See technical data sheet for series 41

**Materials:**

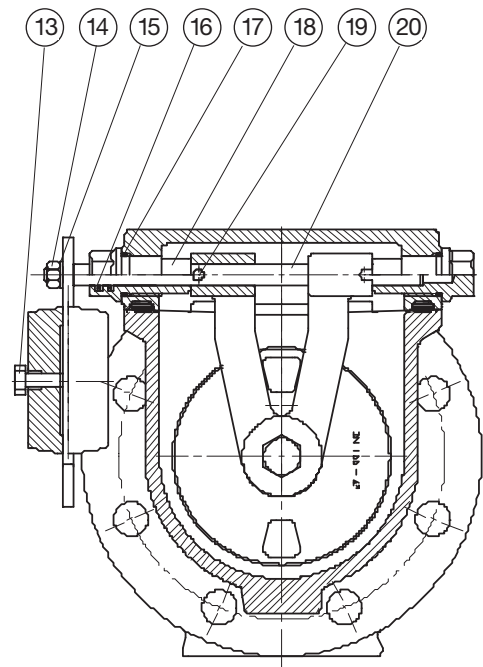
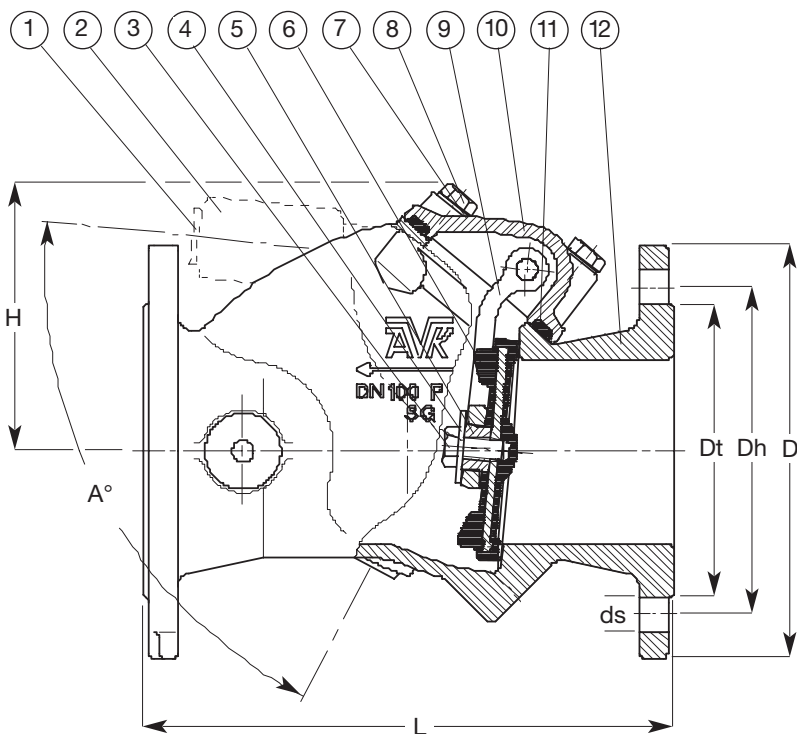
Body, bonnet, weight and hinge	Ductile iron, GGG-50, to DIN 1693 (BS 2789 grade 500-7)
Coating	Electrostatically applied epoxy resin to DIN 30677 - Internally and externally
Shaft	Stainless steel to BS 431S29
Bonnet gasket	EPDM rubber
Bushing	Brass, CZ 132 to BS 2874
Hexagon bolt, washer and pin	Stainless steel AISI 304
Resilient seated disc	EPDM rubber with a steel insert to BS 4360 : 1979 43B
Lever	Steel 43B to BS 4360:1979



To BS 5153: 1974 (1991)  
 Resilient seated  
 Face to face dimension to BS 5153: 1974 (1991) short  
 Flanges and drilling to ISO 7005-2 (EN 1092-2: 1997, DIN 2501)

**Component list**

- |                 |                   |
|-----------------|-------------------|
| 1. Lever        | 11. Bonnet gasket |
| 2. Weight       | 12. Body          |
| 3. Hexagon bolt | 13. Hexagon bolt  |
| 4. Washer       | 14. Hexagon nut   |
| 5. Bushing      | 15. Washer        |
| 6. Disc         | 16. O-ring        |
| 7. Washer       | 17. O-ring        |
| 8. Hexagon bolt | 18. Bushing       |
| 9. Hinge        | 19. Pin           |
| 10. Bonnet      | 20. Shaft         |



Ref. nos. a)	DN	L mm	H mm	Dt mm	D mm	Dh mm		ds mm		Holes		A°	Weight kilos
						PN 10	PN 16	PN 10	PN 16	PN 10	PN 16		
41-050-25014	50	203	110	102	165	125		19		4		60°	13
41-065-25014	65	216	120	122	185	145		19		4		63°	17
41-080-25014	80	241	140	138	200	160		19		8		66°	20
41-100-25014	100	292	150	158	220	180		19		8		68°	26
41-125-25014	125	330	180	188	254	210		19		8		68°	40
41-150-25014	150	356	195	212	285	240		23		8		70°	51
41-200-250X4	200	495	230	268	340	295	295	23	23	8	12	73°	83

X  
 0 = PN 10  
 1 = PN 16

a) Without lever and weight



To BS 5153 : 1974 (1991)  
 Metal seated  
 Face to face dimension BS 5153 : 1974 (1991) short  
 Flanges and drilling to ISO 7005-2 (EN 1092-2: 1997, DIN 2501)

**Use:**  
 For potable water and sewage to max. 70°C

**Tests:**  
 Hydraulic test to BS 5153 : 1974 (1991)  
 Seat: 1.1 x PN  
 Body: 1.5 x PN

**Optional extras:**  
 Lever and weight:  
 Mounted RHS as standard - can be mounted LHS on request  
 Tapping plug

**Additional information:**  
 See technical data sheet for series 41

**Materials:**

Body, bonnet, weight and hinge	Ductile iron, GGG-50, to DIN 1693 (BS 2789 grade 500-7)
Coating	Electrostatically applied epoxy resin to DIN 30677 - Internally and externally
Shaft	Stainless steel to BS 431S29
Bonnet gasket	EPDM rubber
Bushing	Dezincification resistant brass CZ 132 to BS 2874
Washer and pin	Stainless steel AISI 304
Seat ring	Gunmetal, BS 1400 LG2
Metal seated disc	EPDM rubber with a steel insert to BS 4360 : 1979 43B and a disc seat ring of Gunmetal, BS 1400 LG2
Lever	Steel to BS 4360:1979 43B
Hexagon bolt	Stainless steel A2

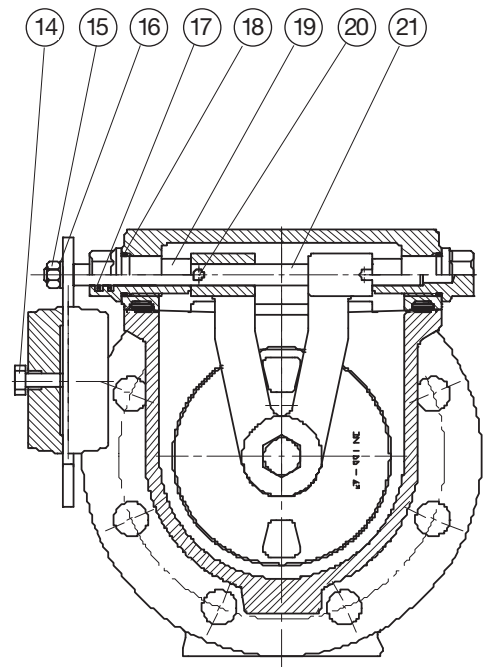
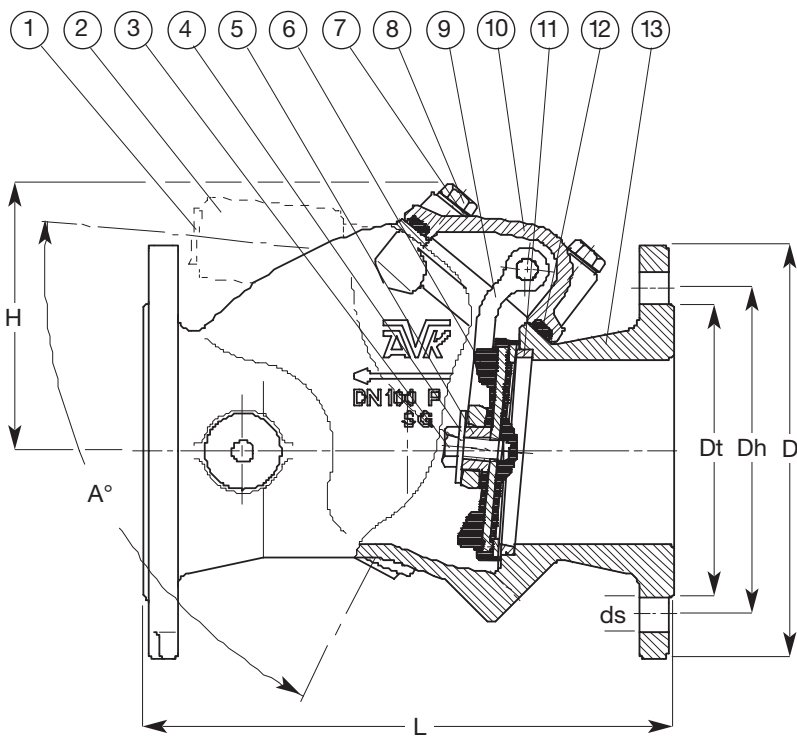




To BS 5153 : 1974 (1991)  
 Metal seated  
 Face to face dimension BS 5153 : 1974 (1991) short  
 Flanges and drilling to ISO 7005-2 (EN 1092-2: 1997, DIN 2501)

**Component list**

- |                                  |                   |
|----------------------------------|-------------------|
| 1. Lever                         | 12. Bonnet gasket |
| 2. Weight                        | 13. Body          |
| 3. Hexagon bolt                  | 14. Hexagon bolt  |
| 4. Washer                        | 15. Hexagon nut   |
| 5. Bushing                       | 16. Washer        |
| 6. Disc                          | 17. O-ring        |
| 7. Washer                        | 18. O-ring        |
| 8. Hexagon bolt                  | 19. Bushing       |
| 9. Hinge                         | 20. Pin           |
| 10. Bonnet                       | 21. Shaft         |
| 11. Seat ring and disc seat ring |                   |



Ref. nos. a)	DN	L mm	H mm	Dt mm	D mm	Dh mm		ds mm		Holes		A°	Weight kilos
						PN 10	PN 16	PN 10	PN 16	PN 10	PN 16		
41-050-30014	50	203	110	102	165	125		19		4		60°	13
41-065-30014	65	216	120	122	185	145		19		4		63°	17
41-080-30014	80	241	140	138	200	160		19		8		66°	20
41-100-30014	100	292	150	158	220	180		19		8		68°	26
41-125-30014	125	330	180	188	254	210		19		8		68°	40
41-150-30014	150	356	195	212	285	240		23		8		70°	51
41-200-300X4	200	495	230	268	340	295 295		23 23		8 12		73°	83

X  
 0 = PN 10  
 1 = PN 16

a) Without lever and weight



**Resilient seated**  
**Face to face dimension to DIN 3202-F6**  
**Flanges and drilling to ISO 7005-2 (EN 1092-2: 1997, DIN 2501)**

**Use:**

For potable water and sewage to max. 70°C

**Tests:**

Hydraulic test to BS 5153 : 1974 (1991)  
 Seat: PN  
 Body: 1.5 x PN

**Optional extras:**

Lever and counterweight  
 Limit-switch  
 Tapping plug

**Additional information:**

See technical data sheet for series 41

**Materials:**

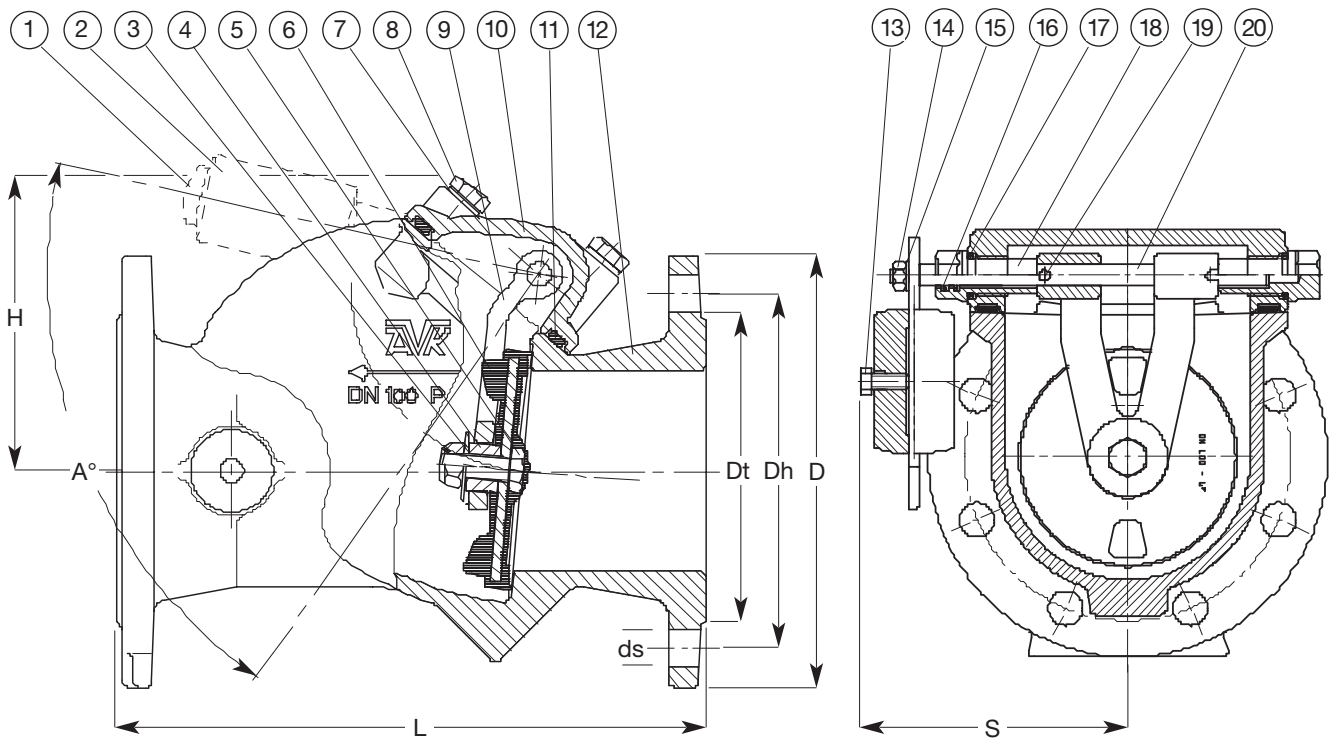
Body, bonnet, weight and hinge	Ductile iron, GGG-50, to DIN 1693 (BS 2789 grade 500-7)
Coating	Electrostatically applied epoxy resin to DIN 30677 - Internally and externally
Shaft	Stainless steel to Werkstnr. 1.40S7 (BS 431S29)
Bonnet gasket	EPDM rubber
Bushing	Brass, CZ 132 to BS 2874
Hexagon bolt, washer and pin	Stainless steel A2
Resilient seated disc	EPDM rubber with a steel insert to EN 10113:1990 (BS 4360:1990)
Lever	Steel, EN 10113:1990 (BS 4360:1990)



**Resilient seated**  
**Face to face dimension to DIN 3202-F6**  
**Flanges and drilling to ISO 7005-2 (EN 1092-2: 1997, DIN 2501)**

**Component list**

- |                 |                   |
|-----------------|-------------------|
| 1. Lever        | 11. Bonnet gasket |
| 2. Weight       | 12. Body          |
| 3. Washer       | 13. Hexagon bolt  |
| 4. Bushing      | 14. Hexagon nut   |
| 5. Bolt         | 15. Washer        |
| 6. Disc         | 16. O-ring        |
| 7. Washer       | 17. O-ring        |
| 8. Hexagon bolt | 18. Bushing       |
| 9. Hinge        | 19. Pin           |
| 10. Bonnet      | 20. Shaft         |



Ref.nos. a)	DN	L mm	H mm	Dt mm	D mm	Dh mm		ds		A°	S mm	Weight kilos
						PN 10	PN 16	PN 10	PN 16			
41-050-65018	50	200	110	102	165	125	19	4	60°	160	13	
41-065-65018	65	240	140	122	185	145	19	4	63°	160	17	
41-080-65018	80	260	140	138	200	160	19	8	66°	160	20	
41-100-65018	100	300	150	158	220	180	19	8	68°	175	26	
41-125-65018	125	350	195	188	254	210	19	8	68°	220	40	
41-150-65018	150	400	195	212	285	240	23	8	70°	220	51	
41-200-650X8	200	500	230	268	340	295 295	23 23	8 12	73°	240	83	

X  
 0 = PN 10  
 1 = PN 16

a) Without lever and weight



**Metal seated**  
 Face to face dimension to DIN 3202-F6  
 Flanges and drilling to ISO 7005-2 (EN 1092-2: 1997, DIN 2501)

**Use:**  
 For potable water and sewage to max. 70°C

**Tests:**  
 Hydraulic test to BS 5153 : 1974 (1991)  
 Seat: 1.1 x PN  
 Body: 1.5 x PN

**Optional extras:**  
 Lever and counterweight  
 Limit-switch  
 Tapping plug

**Additional information:**  
 See technical data sheet for series 41

**Materials:**

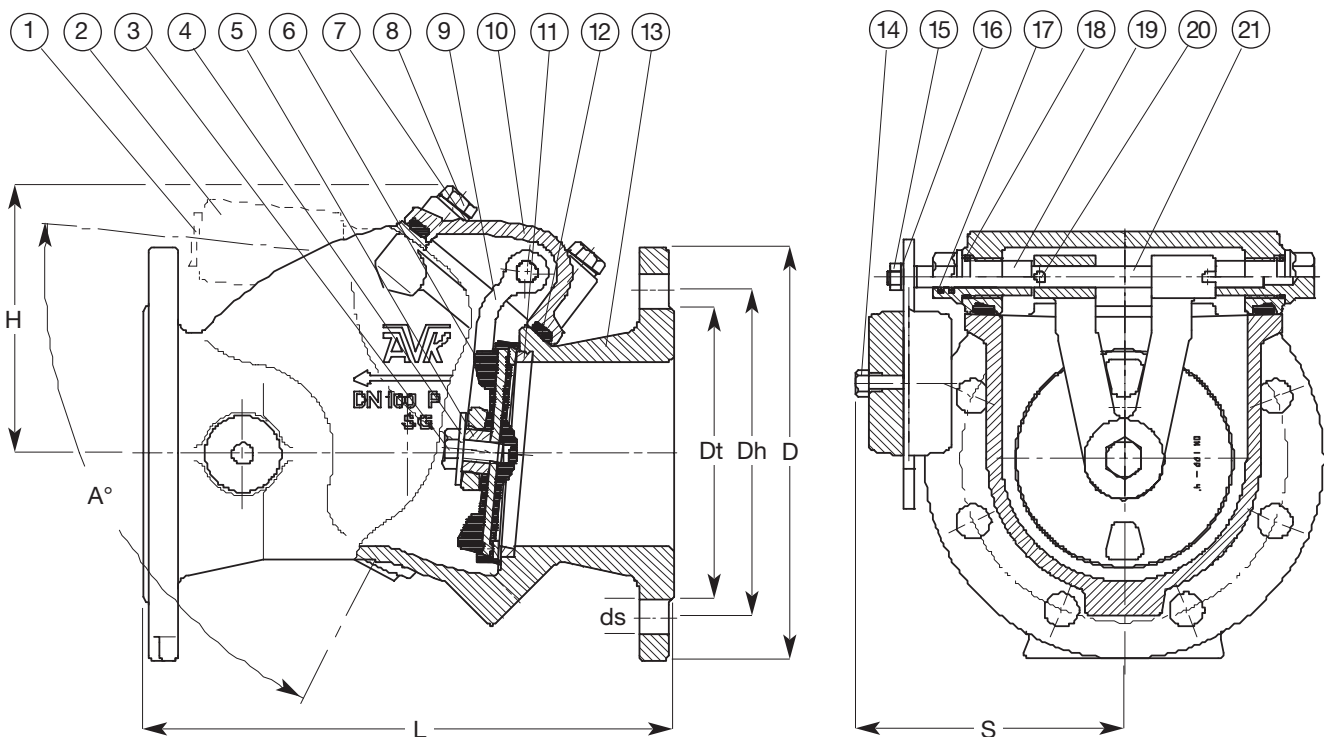
Body, bonnet, weight and hinge	Ductile iron, GGG-50, to DIN 1693 (BS 2789 grade 500-7)
Coating	Electrostatically applied epoxy resin to DIN 30677 - Internally and externally
Shaft	Stainless steel to Werkst. No. 1.4057 (BS 431S29)
Bonnet gasket	EPDM rubber
Bushing	Brass, CZ 132 to BS 2874
Hexagon bolt, washer and pin	Stainless steel A2
Metal seated disc	EPDM rubber with a steel insert to BS 4360:1979 43B and a seat ring of dezincification resistant brass CZ 132 to BS 2874
2874	
Seat ring	Dezincification resistant brass CZ 132 to BS 2874
Lever	Steel, EN 10113:1990 (BS 4360:1990)



**Metal seated**  
**Face to face dimension to DIN 3202-F6**  
**Flanges and drilling to ISO 7005-2 (EN 1092-2: 1997, DIN 2501)**

**Component list**

- |                 |                   |
|-----------------|-------------------|
| 1. Lever        | 12. Bonnet gasket |
| 2. Weight       | 13. Body          |
| 3. Washer       | 14. Hexagon bolt  |
| 4. Bushing      | 15. Hexagon nut   |
| 5. Hexagon bolt | 16. Washer        |
| 6. Disc         | 17. O-ring        |
| 7. Washer       | 18. O-ring        |
| 8. Hexagon bolt | 19. Bushing       |
| 9. Hinge        | 20. Pin           |
| 10. Bonnet      | 21. Shaft         |
| 11. Seat ring   |                   |



Ref.nos. a)	DN	L mm	H mm	Dt mm	D mm	Dh mm		ds mm		Holes		A°	S mm	Weight kilos
						PN 10	PN 16	PN 10	PN 16	PN 10	PN 16			
41-050-70018	50	200	110	102	165	125	19	19	4	4	60°	-	13	
41-065-70018*)	65	240	120	122	185	145	19	19	4	4	63°	-	17	
41-080-70018	80	260	140	138	200	160	19	19	8	8	66°	160	20	
41-100-70018	100	300	150	158	220	180	19	19	8	8	68°	175	26	
41-125-70018*)	125	350	180	188	254	210	19	19	8	8	68°	-	40	
41-150-70018	150	400	195	212	285	240	23	23	8	8	70°	220	51	
41-200-700X8	200	500	230	268	340	295 295	23 23	23 23	8 12	8 12	73°	240	83	

X  
0 = PN 10  
1 = PN 16  
\*) in preparation  
a) Without lever and weight

