

# Cast Steel Swing Check Valve to DIN PN63-F2, DN50~DN500

## Series SCF-PN63-F2

### Features

- Suitable for a wide range of industry and media
- Precision, high quality investment castings
- Suitable for both horizontal and vertical installation
- Bolted cover; robust construction
- EN10204-3.1 Material certificate available

PMA: 63 barg@50°C

TMA: 450°C

Selection:

Material of Body:  
DIN 17245 GS-C25

### Standards

- Basic design to DIN 3840
- Face-to-face acc. to DIN 3202-F2
- End flange dimension acc. to EN 1092-1
- Inspection & test acc. to API 598, EN 12266-1

### Limitation

If installed in a vertical position, the direction of flow must be in an up-flow direction

If installed in a horizontal position, the valve must be installed with the cover oriented

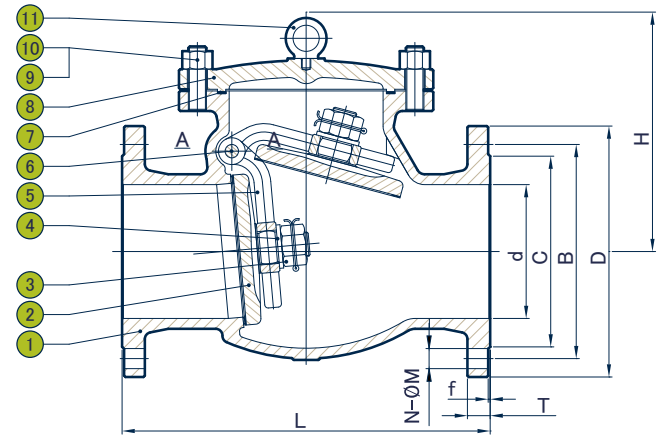
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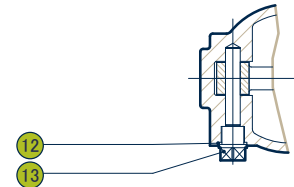
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Materials List		
No.	PARTS NAME	MATERIALS
1	BODY	DIN 17245 GS-C25 + 13Cr
2	DISC	DIN 17245 GS-C25 + 13Cr
3	DISC NUT	ASTM A194 2H
4	DISC WASHER	AISI 1025
5	HINGE	DIN 17245 GS-C25
6	HINGE PIN	ASTM A276 410
7	BONNET GASKET	SS304+FLEXIBLE GRAPHITE
8	BONNET	DIN 17245 GS-C25
9	BONNET NUT	ASTM A194 2H
10	BONNET BOLT	ASTM A193 B7
11	HOOK SCREW	CARBON STEEL
12	GASKET	COOPER ALLOY
13	DRAIN PLUG	CARBON STEEL

\* Enclosed is a condensed table. For complete options, contact DIE ERSTE directly.



A-A



### Dimensions (mm)

Size		d	D	B	C	L	H	T	f	N	M
DN	IN										
50	2"	50	180	135	102	300	155	26	3	4	22
65	2½"	65	205	160	122	340	172	26	3	8	22
80	3"	80	215	170	138	380	185	28	3	8	22
100	4"	100	250	200	162	430	215	30	3	8	28
125	5"	125	295	240	188	500	235	34	3	8	30
150	6"	150	345	280	218	550	285	36	3	8	33

Size		d	D	B	C	L	H	T	f	N	M
DN	IN										
200	8"	200	415	345	285	650	350	42	3	12	36
250	10"	250	470	400	345	775	360	48	3	12	36
300	12"	300	530	460	410	900	425	52	4	16	36
350	14"	350	600	525	465	1025	490	56	4	16	39
400	16"	400	670	585	535	1150	565	60	4	16	42
500	20"	500	800	705	615	1400	680	68	4	20	48