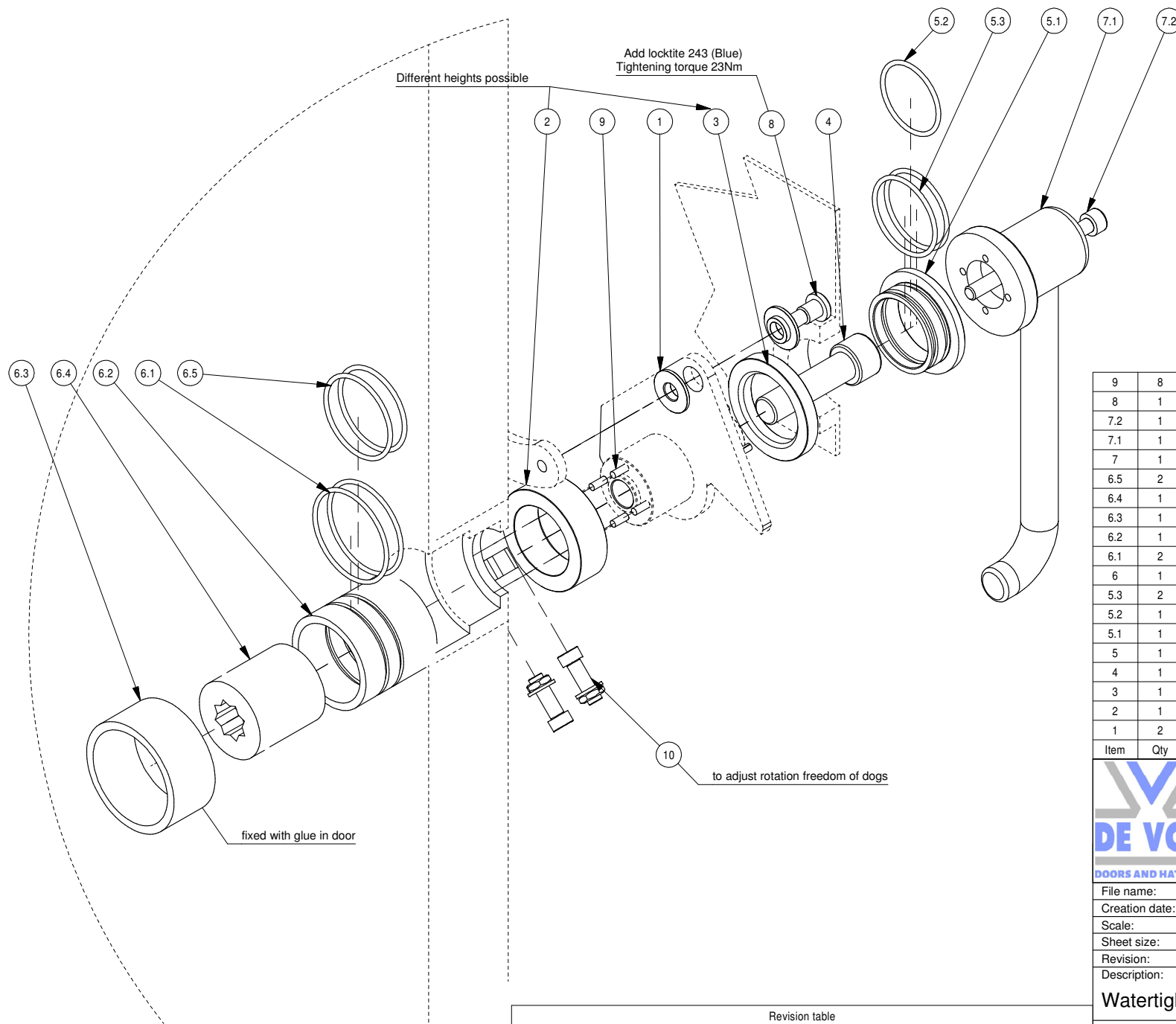
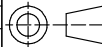


Post installation manual



9	8	DIN 1474 - 4 x 20	Grooved Pin
8	1	DIN 923 - M8 x 10	Slotted Pan Head Screw
7.2	1	DIN 912 - M8 x 90 x 28	Cylinder Head Cap Screw
7.1	1	82-24_200_weld	Handle M8 200 Weld
7	1	82-24_200	Handle M8 200
6.5	2	O-ring_46x2.5	10028717
6.4	1	82-03_00-00_weld	Controle-Shaft 00-00 Weldment H49
6.3	1	82-03_00-00_03	Adjustable Ring 00-00
6.2	1	82-03_00-00_02	Bushing Controle-Shaft 00-00
6.1	2	06_O-ring_51.6x2.4	10029236
6	1	82-03_00-00	Controle-Shaft 00-00
5.3	2	O-ring_43x2.5	O-ring 85004348
5.2	1	O-ring_39.5x2.5	O-ring 85041940
5.1	1	33-001	Flanged Seal Bushing
5	1	81-01	Flanged Seal Bushing with O-ring
4	1	33-024	Custom Bolt DIN 912 M16x60
3	1	33-009	Bushing 8
2	1	33-006	Bushing 20
1	2	27-002	Flanged Bushing Rod

Item	Qty	Part number	Description
		De Vor Metaalbewerking B.V. Handelsweg 5 3481MJ Harmelen Tel: +31 (0)348 40 16 36 info@devorddoorsandhatches.nl www.devorddoorsandhatches.nl	
DOORS AND HATCHES			
File name:		FL_exploded view control shaft.dwg	Sheet: 1/2 
Creation date:		7-10-2020	
Scale:		1 : 3	
Sheet size:		A4	
Revision:		1	

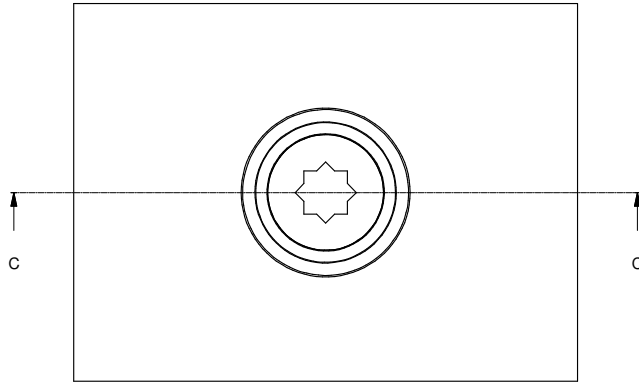
Description:

Watertight Controle-Shaft Operation Assembly

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Revision table		
Rev.	Date	Description
1	31-8-2021	Added shim rings (sheet 2). Removed bolt and changed the method to fix item 6.3

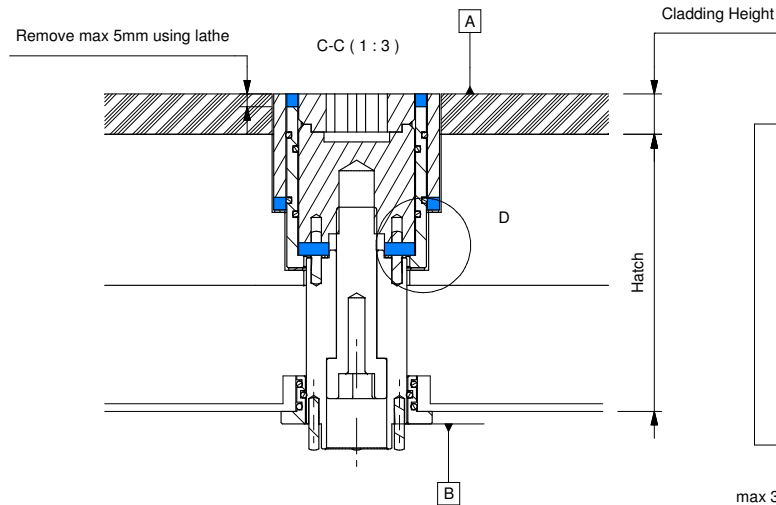
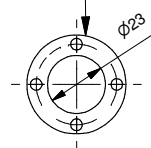
Hardware variations



To decrease contole-shaft heigth,
remove max 5mm using a lathe
(blue hatch in view C-C)

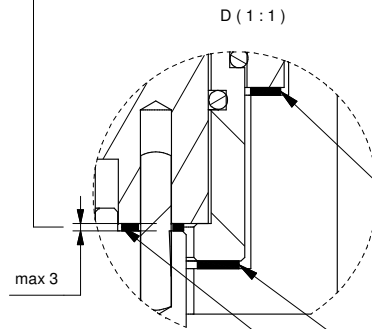
To increase contole-shaft heigth,
add shim rings

33-041
increase heigth A side (max 3)



Cladding Height

Hatch



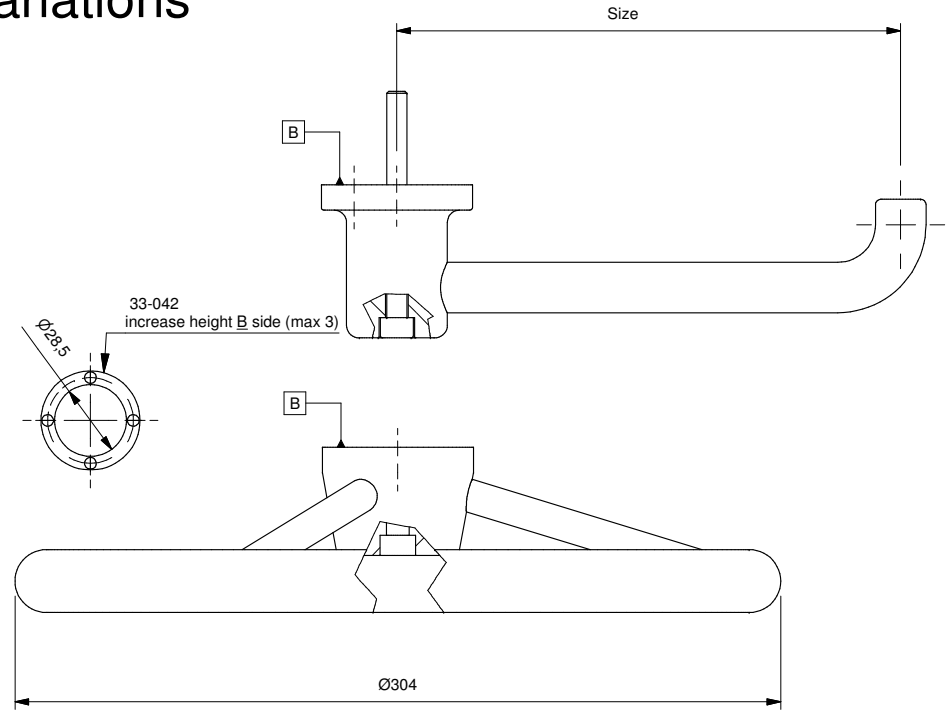
Shim Ring contole-shaft Adjustable Ring
21_82-03_002
oD 65 x iD 57 x t 1

Shim Ring contole-shaft Bushing
21_82-03_001
oD 54 x iD 43 x t 1

Shim Ring
33-041
oD 39,3 x iD 23 x t 1

Control shaft variations (Item 6)

Part number	Description	Heigth
82-03_00-00	Controle-Shaft 00-00	0-3
82-03_00-FL	Controle-Shaft Flange 5	5-8
82-03_10-05	Controle-Shaft 10-05	5-13
82-03_15-10	Controle-Shaft 15-10	10-18
82-03_20-15	control-shaft 20-15	15-23
82-03-25-SH_ass	Safety Handle 18-25	18-28
82-03_25-20	control-shaft 25-20	20-28
82-03_30-25	Controle-Shaft 30-25	25-33
82-03_35-30	Controle-Shaft 35-30	30-38
82-03_85-XL	Controle-Shaft 85-XL	35-88



Size

Handle variations (Item 7)

Part number	Description	Size
82-24_150	Handle M8 150	150
82-24_200	Handle M8 200	200
82-24_250	Handle M8 250	250
82-24_300	Handle M8 300	300
82-24_350	Handle M8 350	350
82-24_400	Handle M8 400	400
82-02	Handwheel 300 M8	Ø304

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DOORS AND HATCHES

File name:	FL_exploded view control shaft.dwg	Sheet: 2/2
Creation date:	7-10-2020	
Scale:	1 : 3	
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Revision:	1	

Description:
Watertight Controle-Shaft Operation Assembly

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