

SERVICE

HDF2008/10-1S-1AS-2S

Thank you for choosing a Hydrotech filter.

It is a trustworthy machine that will run for a long time with minimum care and service. Indeed, any mechanical equipment requires annual maintenance in order to operate efficiently and with as little down time as possible. This is also the case with your Hydrotech Drumfilter HDF2000, 1F, 2F or 2S.

On the next pages, you will find recommendations for maintenance, parts to change and drawings.

If you don't have the possibility to do the maintenance yourself, Hydrotech will be pleased to send you a service offer or recommend a reliable technician that can assist you.

Apart from the periodic maintenance mentioned in the **Operation & Maintenance manual** we recommend a large service every fifth year where at least all parts in the **5 year service kit** are replaced.

To order spare parts or a service from Hydrotech and also to get the latest updated prices, please contact Hydrotech



Veolia Water Technologies AB

Hydrotech



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HDF2008/10-1S-1AS-2S

5 year service kit

Art. N°	N° on drawing	Description	Qty
1012961	20023-B pos.3	Spacer Ø160/111x15 mm	1
1012955	20023-B pos.4	Slide bearing CC100/130/150	1
1012962	20023-B pos.6	Spacer Ø160/111x5 mm	1
1012963	20023-B pos.7	Spacer Ø160/111x4 mm	1
1013277	20023-B pos.8	Locking shaft HDF2008-10	1
1017074	20023-B pos.11	Key steel 25x14x60 mm	1
1014164	5334-B pos.2	Rubber lip seal HDF2008~10	1
425730	2479-F pos.5	Spacer 90/50x5 mm	6
425510	2479-F pos.9	Slide bearing Ø50	4
1010386	2479-F pos.10	Boogie wheel, type 16 PA6 G	4
352310	2479-F pos.11	Grease nipple, M8x1mm	4
1010384	2479-F pos.18	V-sealing, NBR V-45A	8
1008130	2479-F pos.22	O-sealing 36,17x2,62	8
1012043	5220-A pos.7	Sprocket wheel motor	1
1012044	5220-A pos.13	Sprocket wheel drum	1
1010967	On backwash pipe	Manometer 0-16 bar 1/4" SI	1
1010385	2479-F pos.6	Spacer boogie wheel 100	8
1010608	2479-F pos.19	Boogie shaft , wheel Ø35x96	4

Strategic spare parts:

Art. N°	N° on drawing	Description	Qty
		Nozzles	5/revolution
		Panels	5/revolution
278040		Cartridge for strainer	1
1019015 & 1012956	20023-B pos.1&5	Shaft and bearing house	1
1018563	5220-A pos.8	Chain H78 Narrow Series 44link	1

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Critical spare parts:

Art. N°	N° on drawing	Description	Qty
		Drive unit	1
		Backwash pump	1

Definitions:

5 year service kit:

Parts to be changed after 5 years of operation

Strategic spare parts:

Parts with short lead time (always on Hydrotech stock) which are vital for the operation of the unit.

Critical spare parts:

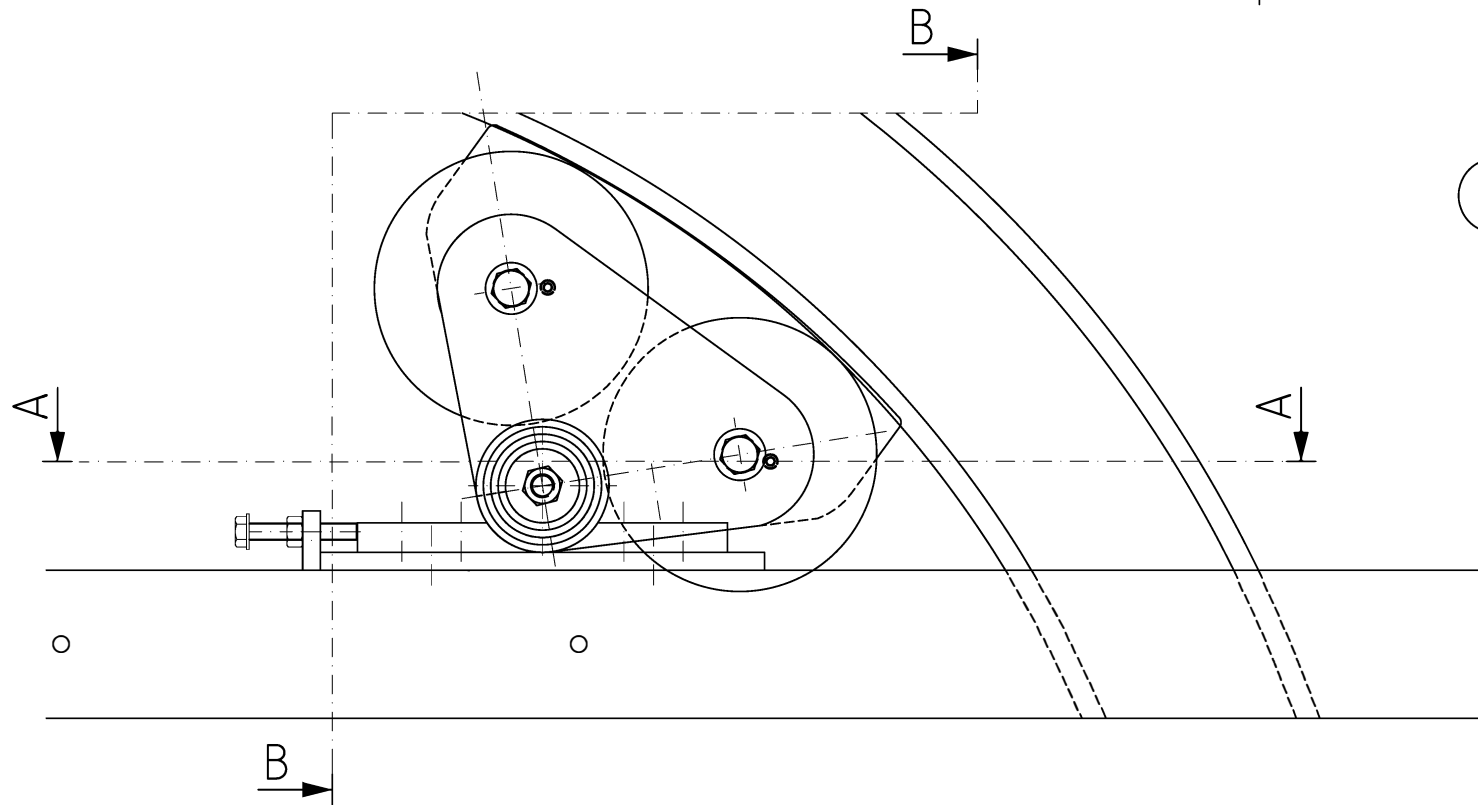
Parts with long lead time which are vital for the operation of the unit, contact Hydrotech for precise delivery time.

Veolia Water Technologies AB

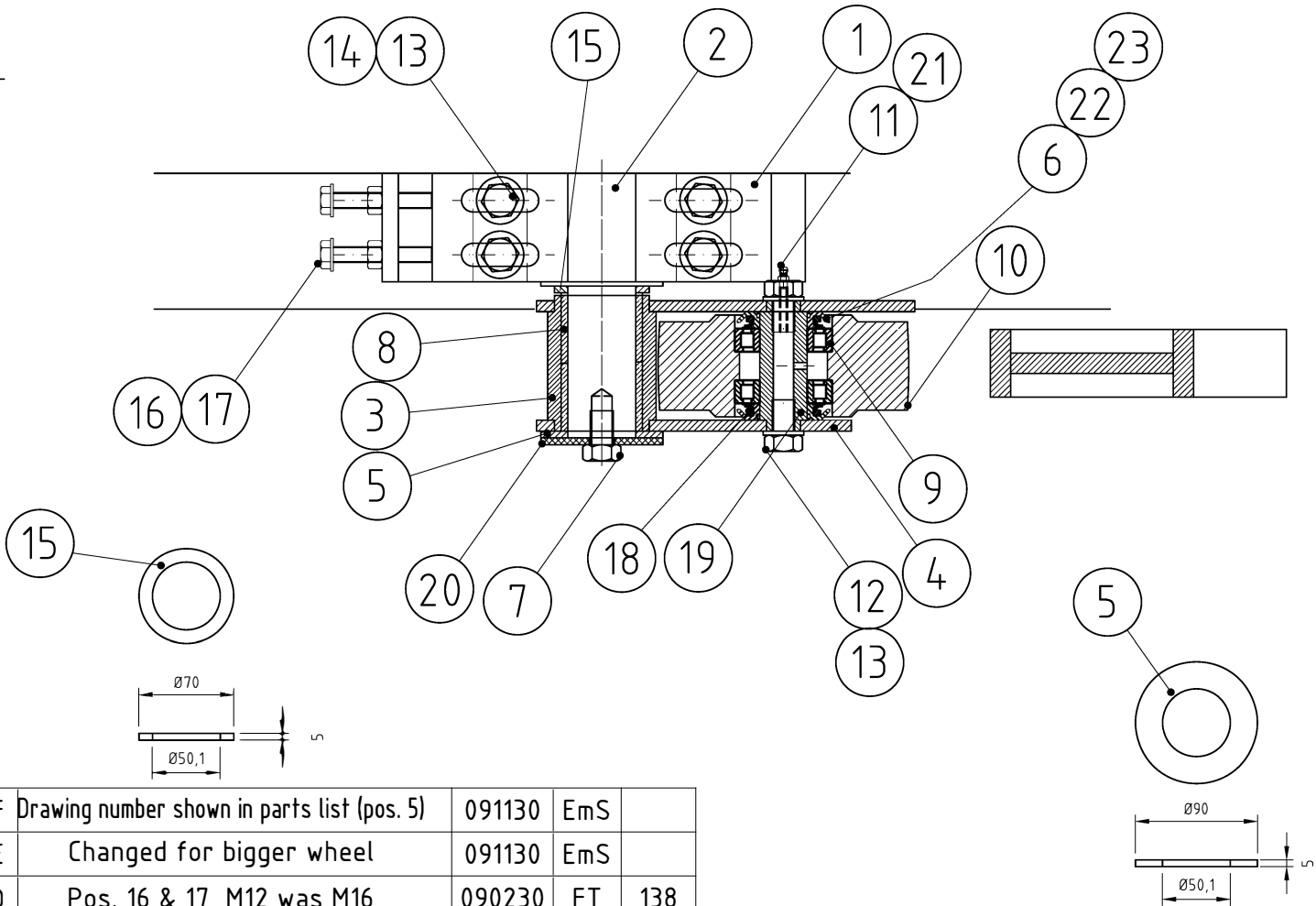
Hydrotech



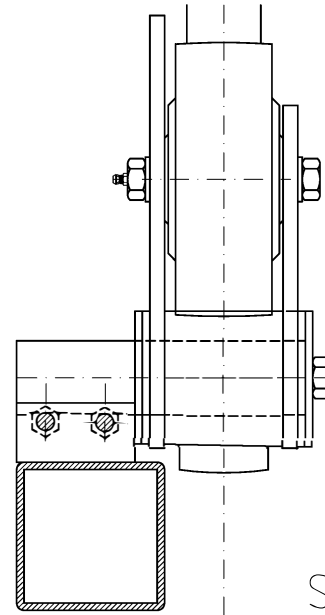
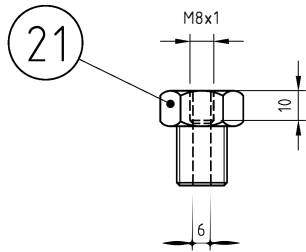
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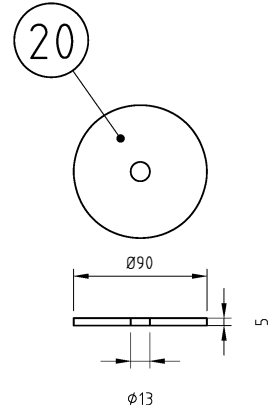
SECTION A-A



F	Drawing number shown in parts list (pos. 5)	091130	EmS	
E	Changed for bigger wheel	091130	EmS	
D	Pos. 16 & 17 M12 was M16	090230	FT	138
C	Pos. 5 & 20 was ϕ 70	050815	EmS	138
B	Changed for wheel ϕ 160	020524	EmS	
Ed.	Change and/or message no.	Date	Made by	c-m no.



SECTION B-B



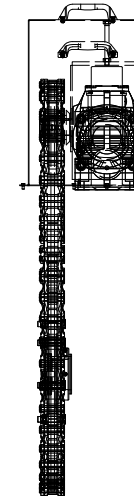
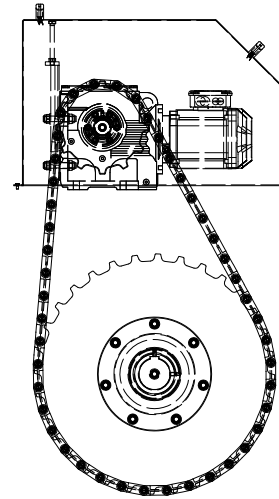
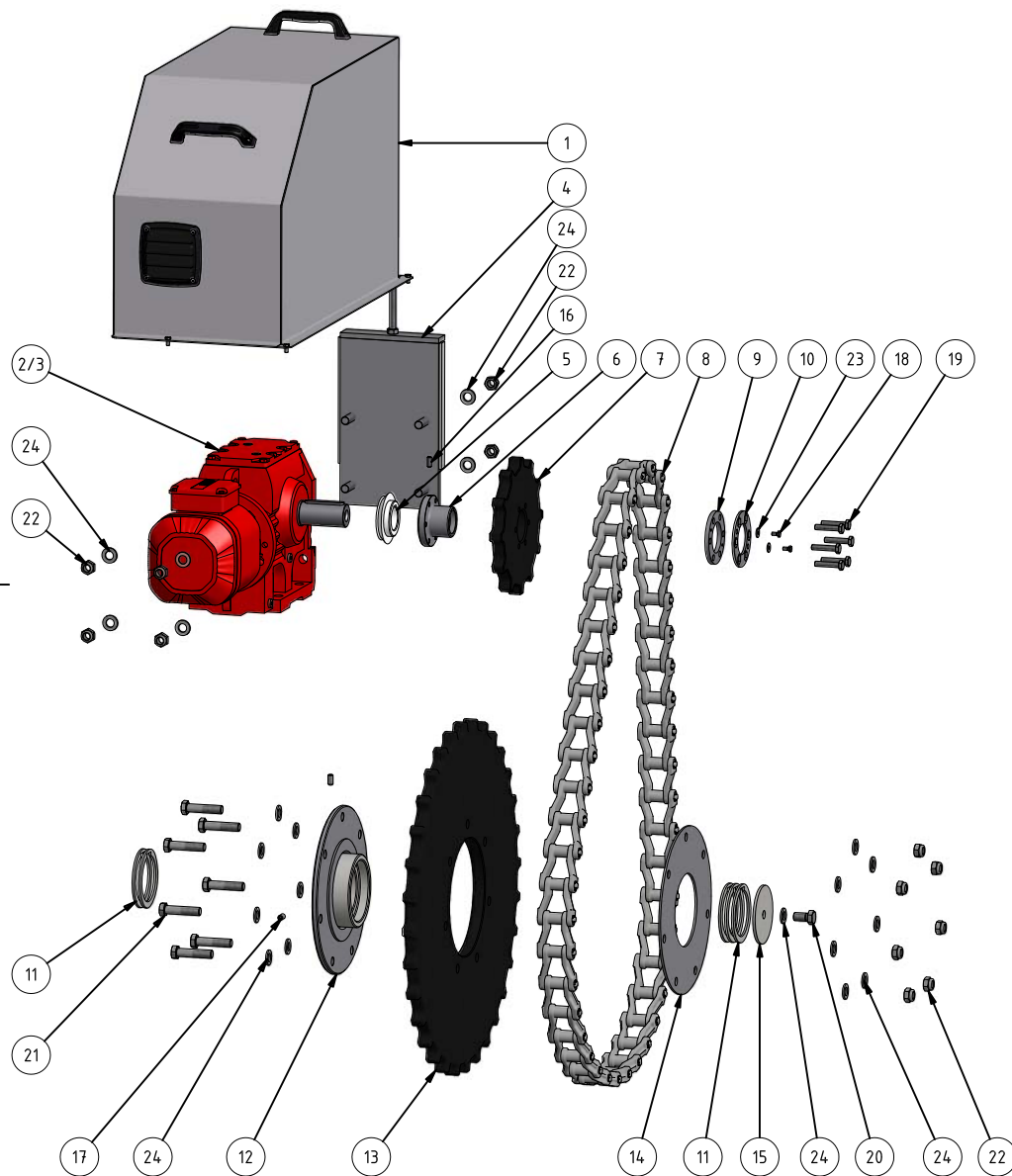
23	4	Seal cage	AISI 316L	ϕ 72x7.5	Dwg. No. 3324
22	4	O-Ring	Nitril	36.17x2.62	
21	2	Bolt	SS2343	M16x20	With M8x1 hole for nipple
20	1	Washer	SS2343	ϕ 90/13-5	
19	2	Shaft	316 L	ϕ 35	Dwg. No. 3325
18	4	V-ring seal	Nitril	V-45A	Forsheda
17	2	Nut	SS2343	M12	
16	2	Bolt		M12x70	
15	1	Thrust washer	plastic	ϕ 70/50-5	
14	4	Bolt	SS2343	M16x40	
13	8	Washer	SS2343	M16	
12	2	Bolt	SS2343	M16x25	
11	2	Lubricant nipple	SS2333		
10	2	Wheel	PA6 G	ϕ 185	Dwg. No. 3320
9	4	Roller bearing	NJ 207 ECP		
8	2	Bushing	WOLF	GT605050	Colly company
7	1	Bolt	SS2333	M12x30	
6	4	Spacer			Dwg. No. 3323
5	1	Bushing	plastic	ϕ 90/50-5	Dwg.no. 2126
4	1	Support plate			Dwg. No. 2480
3	1	Bearinghouse			Dwg. no. 2480
2	1	Mainshaft			Dwg. no. 2481
1	1	Boltplate			Dwg. no. 2445

F

Part no.	Quantity	Name	Material	Mod.-nr Blank Dimension	Remark
Designer	Drawn by	Copy	Controlled by	Stand.	Approved
	AM			ISO 2768-m	
Scale					1:5 (2:1)
Replaces					Replaced by
Date					020107
Draw. no.					2479 Edition F

HYDROTECH

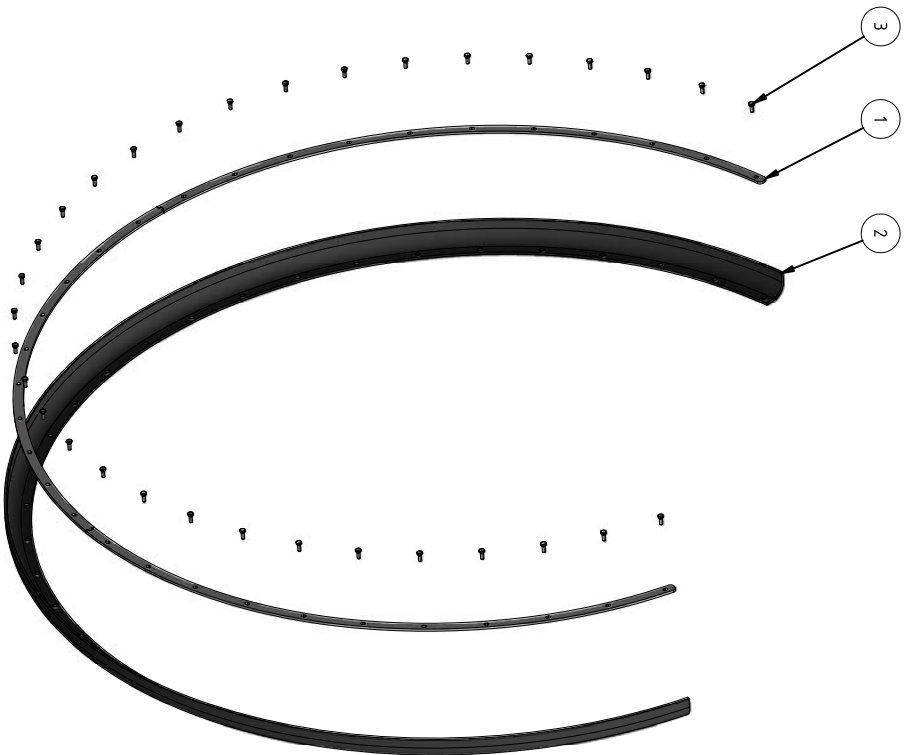
Ass'y Boogie
HDF 2008-10
Discfilter HSF 3100



NOTE! S77DR****4, M1A is used on mirrored filters.

24	23	Washer	A4	17x30x3,0	Art. no. 350570
23	2	Washer	A4	6,4x18x1,6	Art. no. 350532
22	15	Nut locking	A4	M6NM M16	Art. no. 350350
21	7	Screw	A4	M6S M16x70D	Art. no. 1001993
20	1	Screw	A4	M6S M16x30H	Art. no. 351630
19	6	Screw	A4	M6S M10x50H	Art. no. 350990
18	2	Screw	A4	M6S M6x12H	Art. no. 350770
17	2	Screw	A4	MSK6SS M10x20	Art. no. 352160
16	1	Screw	A4	MSK6SS M8x20	Art. no. 352120
15	1	Lock spacer			Drw. no. 5311
14	1	Counter flange for hub			Drw. no. 5304
13	1	Plastic sprocket, Z=32			Drw. no. 3750
12	1	Hub for chain wheel			Drw. no. 4067
11	5	Spacer			Drw. no. 5310
10	1	Locking plate			Drw. no. 5205
9	1	Flange for hub			Drw. no. 5201
8	1	Drive chain, H78 Narrow		n = 45 links	Art. no.
7	1	Plastic sprocket, Z=12			Drw. no. 3722
6	1	Hub Ø45 shaft			Drw. no. 3724
5	1	Reject ring			Drw. no. 3167
4	1	Motor bracket			Drw. no. 4071
3		Helical-worm geared motor	IE3		S77DRN90S4 M1B
2		Helical-worm geared motor	IE2		S77DRE90M4 M1B
1	1	Motor cover			Drw. no. 5219

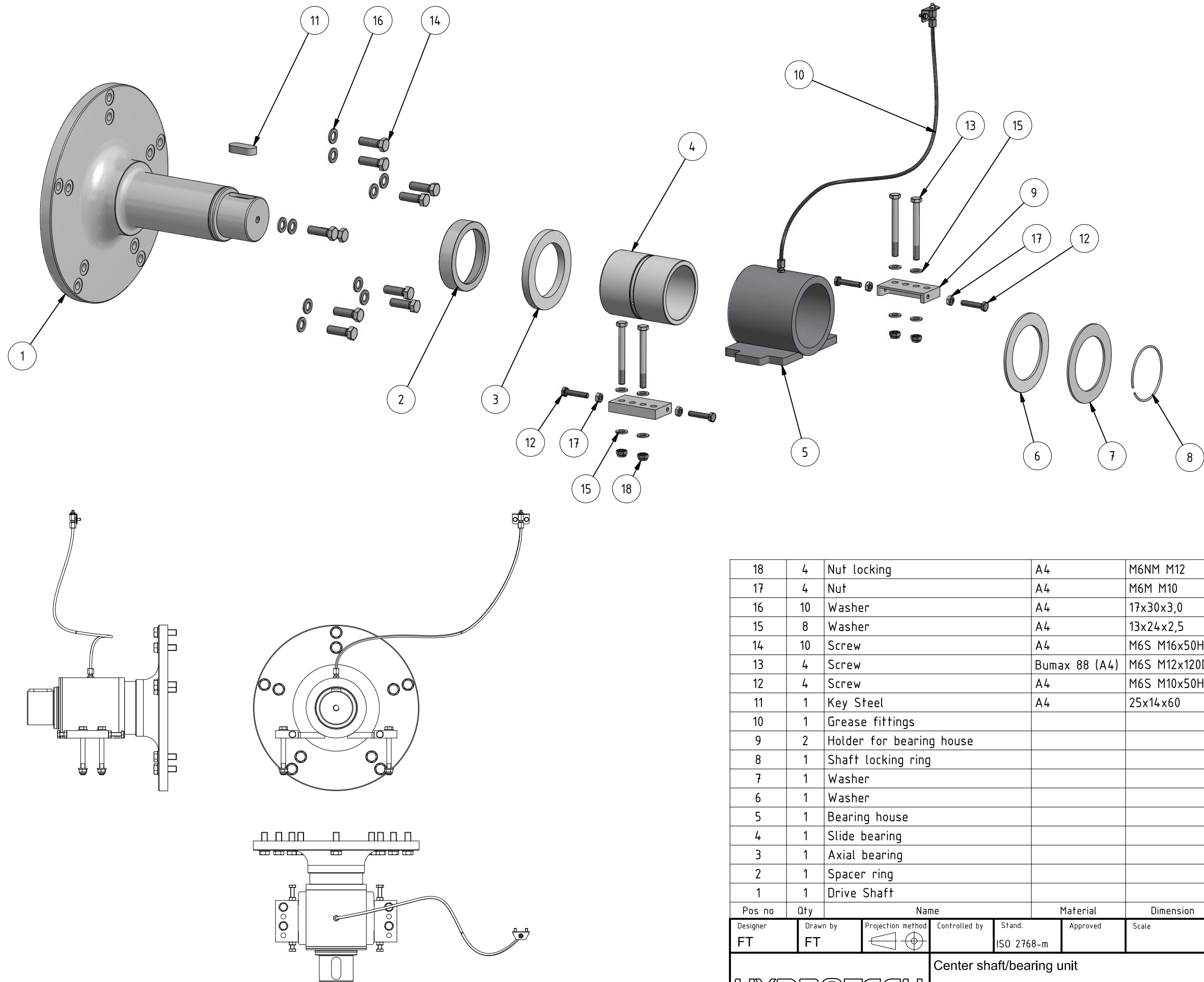
Pos. no	Qty	Name	Material	Dimension	Remark
Designer	Drawn by	Projection method	Controlled by	Stand.	Approved
JJ	JJ			ISO 2768-m	
Drive assembly					Sheet size
HDF2008-10					A3
Drumfilter HDF2000-1S HF					Sheet
					1 / 1
					Date
					2015-09-16
					Draw. no.
					5220
					Edition
					A

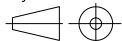


Ed.	Change and/or message no.	Rev date	Made by	C-m no.
B	Pos 1 Drw. no. 20289 was 4,458	2016-12-20	FT	-

3	32	Screw	A4	M6S M6x16H	Art. no. 350780
2	1	Rubber lip for inlet			Drw. no. 2412
1	1	Clamp Bar	AlSi16L/2205		Drw. no. 20289
Pos no	Qty	Name	Material	Dimension	Remark
Designer	Drawn by	Projection method	Controlled by	Stand	Sheet size
Ems	FT			ISO 2768-m	A3
			Approved	Scale	Replaced by
				1 : 10	
Inlet seal assembly					
HDF2008-10 type 1,2,3S					
Sheet					Date
1 / 1					2013-07-04
Draw. no.					Edition
5334					B

HYDROTECH



18	4	Nut locking	A4	M6NM M12	Art. no. 350340										
17	4	Nut	A4	M6M M10	Art. no. 350130										
16	10	Washer	A4	17x30x3,0	Art. no. 350570										
15	8	Washer	A4	13x24x2,5	Art. no. 350560										
14	10	Screw	A4	M6S M16x50H	Art. no. 1010417										
13	4	Screw	Bumax 88 (A4)	M6S M12x120D	Art. no. 1018546										
12	4	Screw	A4	M6S M10x50H	Art. no. 350990										
11	1	Key Steel	A4	25x14x60	Art. no. 1017074										
10	1	Grease fittings			Drw. no. 20115										
9	2	Holder for bearing house			Drw. no. 4101										
8	1	Shaft locking ring			Drw. no. 4214										
7	1	Washer			Drw. no. 5321										
6	1	Washer			Drw. no. 5320										
5	1	Bearing house			Drw. no. 4050										
4	1	Slide bearing			Drw. no. 4035										
3	1	Axial bearing			Drw. no. 4037										
2	1	Spacer ring			Drw. no. 4051										
1	1	Drive Shaft			Drw. no. 5737										
Pos no	Qty	Name		Material	Dimension	Remark									
Designer FT		Drawn by FT		Projection method 		Controlled by	Stand. ISO 2768-m	Approved	Scale	Sheet size A3	Replaced by				
						Center shaft/bearing unit						Sheet 1 / 1		Date 2015-04-17	
												Draw. no. 20023			
						HDF2008-10 1,2,3									

Ed.	Change and/or message no.	Rev date	Made by	c-m no.
B	Grease fittings on new drawing	2015-06-11	KÅS	-

SERVICE

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To be done on every visit

☐

Check backwash pressure

Remarks:

☐

Check panels for damage

Remarks:

☐

Visually inspect the inside of the unit

Remarks:

☐

Check the nozzles for clogging

Remarks:

☐

Lubricate all grease points of the unit

Remarks:

☐

Check drive chain tension

Remarks:

☐

Visually inspect the outside of the unit, clean if needed

Remarks:

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To be done on yearly visit

☐

Check oil condition in drive unit according to separate manual

Remarks:

☐

Check drum bearings for ware

Remarks:

☐

Check shaft gaskets for ware

Remarks:

☐

Check inlet gasket for ware

Remarks:

☐

Check support wheels for ware

Remarks:

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To be done every five years

Replace the parts from service kit

OK

☐	Spacer Ø160/111x15 mm
☐	Slide bearing CC100/130/150
☐	Spacer Ø160/111x5 mm
☐	Spacer Ø160/111x4 mm
☐	Locking shaft HDF2008-10
☐	Key steel 25x14x60 mm
☐	Rubber lip seal HDF2008~10
☐	Spacer 90/50x5 mm
☐	Slide bearing Ø50
☐	Boogie wheel, type 16 PA6 G
☐	Grease nipple, M8x1mm
☐	V-sealing, NBR V-45A
☐	O-sealing 36,17x2,62
☐	Sprocket wheel motor
☐	Sprocket wheel drum
☐	Manometer 0-16 bar 1/4" SI
☐	Spacer boogie wheel 100
☐	Boogie shaft , wheel Ø35x96

Check and if needed replace strategic and critical parts

OK

☐	Nozzles	Qty: _____
☐	Panels	Qty: _____
☐	Shaft and bearing house	
☐	Chain	
☐	Drive unit	
☐	Backwash pump	

Remarks: _____

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