Spare parts list

RotaCut®

3000 geared motor

ENGINEERED TO WORK

Spare parts list applies to orders from 2012-08-06 onwards (calendar week 32)

Issuer

Hugo Vogelsang Maschinenbau GmbH
Holthöge 10-14
49632 Essen/Oldb.

Phone: +49 54 34 83 0
Fax: +49 54 34 83 10

vogelsang-gmbh.com
info@vogelsang-gmbh.com

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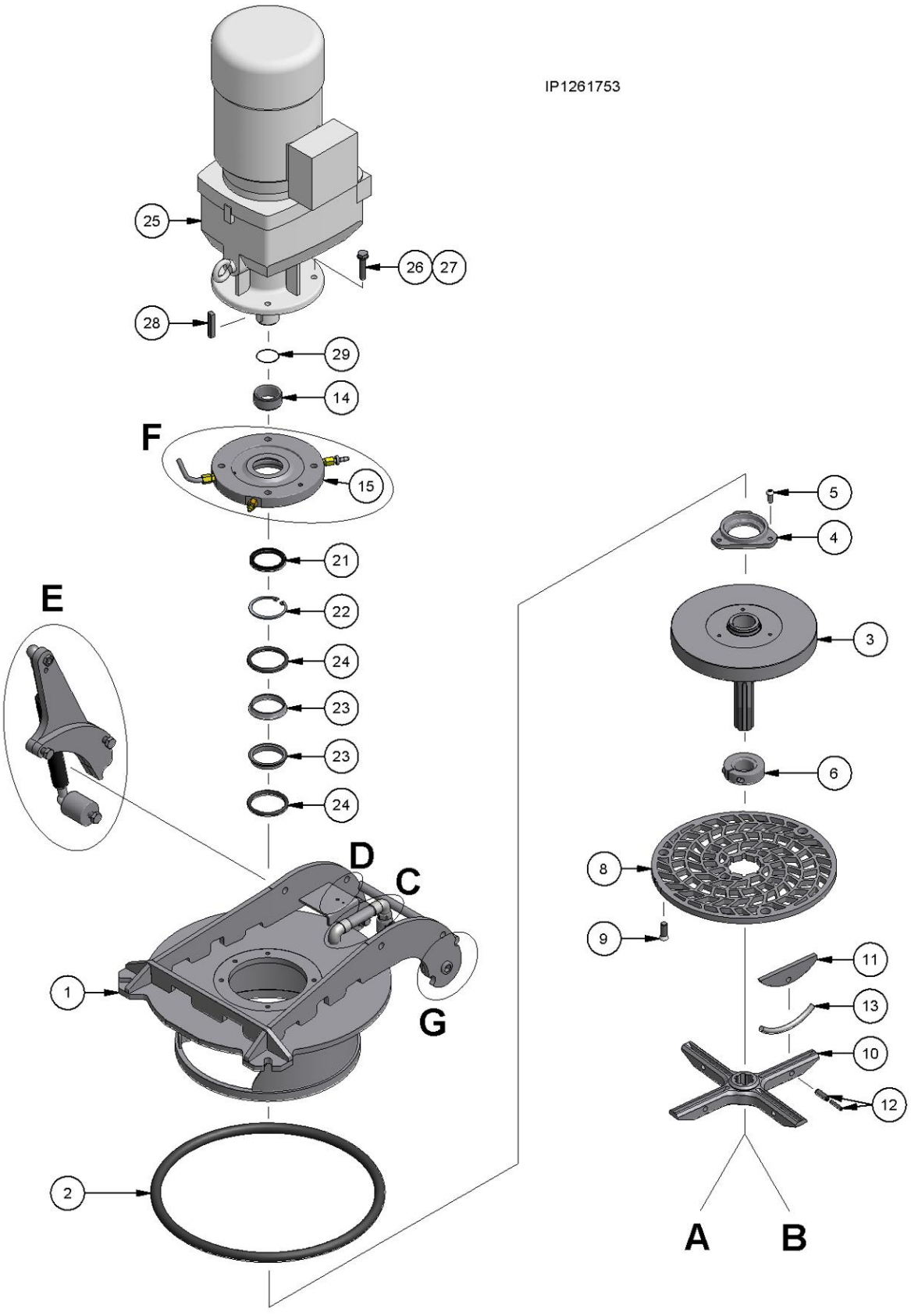
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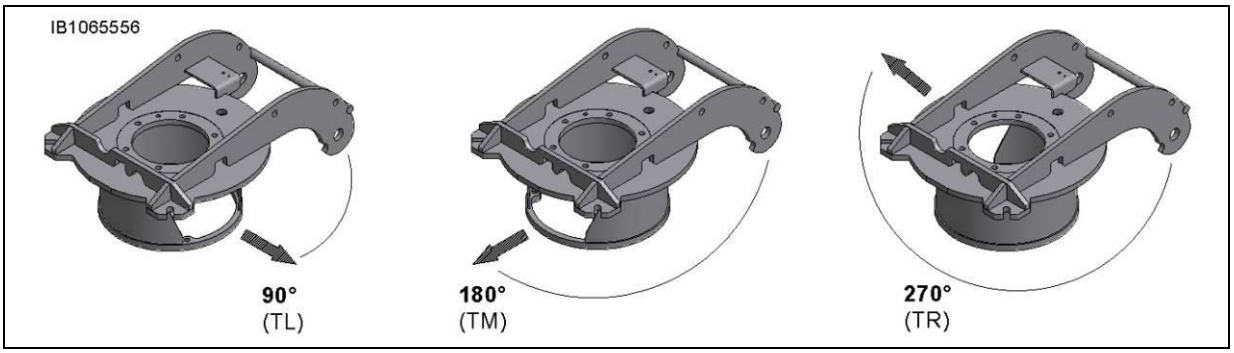
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Figure: Cutter head





Cutter head

Position 1

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
1.0038 galvanized								
1	GSK0155	Cutter head	180° (TM)			1	-	-
	GSK0158	Cutter head	90° (TL)					
	GSK0159	Cutter head	270° (TR)					
1.0038 painted								
1	GSK0156	Cutter head	180° (TM)			-	-	1
1.4571								
1	GSK0157	Cutter head	180° (TM)			-	1	-

O-ring cutter head

Position 2

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
2	DOR0021	O-ring	311 x 18	NBR		1	1	1
	DOR.073.SI	O-ring	320 x 18	MVQ				

Flywheel and accessories

Position 3-6

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
3	GSW.016	Flywheel		Includes pos. 4 + 5		1	1	1
4	PRS.113	Seal support				1	1	1
5	NSI.134.E	Pan head screw	M 8 x 20	ISO 7380		3	3	3
Steel								
6	GAS.019	Internal gap seal		1.0038		1	-	1
	NSI.006	Hexagon socket head cap screw	M 10 x 30	Contained in GAS.019		1	-	1
Stainless steel								
6	GAS.019.E	Internal gap seal		1.4571		-	1	-
	NSI.034	Hexagon socket head cap screw	M 10 x 30	Contained in GAS.019.E		-	1	-

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Cutting screen

Position 8-9

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
Steel								
8	GFL.427.N3.M9	Cutting screen	Max. ø 20 mm	Medium; t = 12 mm		1	-	1
	GFL0035	Cutting screen	Max. ø 28 mm	Coarse				
	GFL.546.M9	Cutting screen	Max. ø 4 mm	Honey comb				
	GFL.570.M9	Cutting screen	Max. ø 8 mm	Honey comb				
	GFL.480.M9	Cutting screen	Max. ø 12 mm	Honey comb				
	GFL.449.M9	Cutting screen	Max. ø 15 mm	Honey comb				
Steel								
8	GFL0316	Cutting screen	Max. ø 20 mm	Medium; t = 15 mm		1	-	-
Stainless steel								
8	GFL.427.N3.E3	Cutting screen	Max. ø 20 mm	Standard		(1)	1	(1)
	GFL.495.N1.E3	Cutting screen	Max. ø 28 mm	Coarse				
	GFL.546.E3	Cutting screen	Max. ø 4 mm	Honey comb				
	GFL.570.E3	Cutting screen	Max. ø 8 mm	Honey comb				
	GFL.480.E3	Cutting screen	Max. ø 12 mm	Honey comb				
	GFL.449.E3	Cutting screen	Max. ø 15 mm	Honey comb				
		Max. ø = max. ball diameter						
9	GRS.203.EE	Tensioning screw				3	3	3
	GRS.202	Spring pin				3	-	3
	GRS.202.EE	Spring pin				-	3	-

Blade rotor

Position 10

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
10	GFM.019.N2	Blade rotor		4 wings; groove 8 mm		1	1	1
	GFM.004.N2	Blade rotor		3 wings; groove 8 mm				
	GFM.008.N2.T2	Blade rotor		6 wings; groove 5 mm				

Blade and accessories

Position 11-13

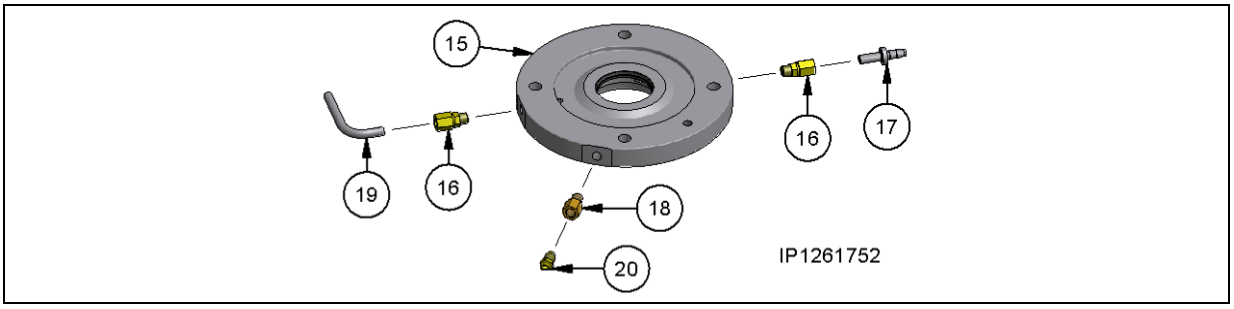
Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
11	GSM.006	Cutting blade	8 mm	+ NSP.006		4 / 3*		
	GSM.006.E4	Cutting blade	8 mm	Stainless steel				
	GSM.006.T1.E4	Cutting blade	8 mm	Stainless steel high version; only for ACC!				
	GSM.006.T2.E4	Cutting blade	5 mm	Stainless steel		6**		
12	NSP.006	Spring pin	10 x 30	→ GSM.006		4 / 3* / 6**		
12	NSP.030.E	Spring pin	10 x 30	→ GSM.006.E4 → GSM.006.T1.E4 → GSM.006.T2.E4		4 / 3* / 6**		
	NSP.031.E	Spring pin	6 x 30			4 / 3* / 6**		
13	ZDFD.390.0110	Polyethylene cord				4 / 3* / 6**		

* Quantities or parts in case of rotor with 3 wings
** Quantities or parts in case of rotor with 6 wings

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Adapter geared motor

Detail F



Position 14-22

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
14	NIR.022	Inner ring	JR 40 x 50 x 22			1	1	1
15-21	GRT0013	Adaptor; pre-installed		1.0038 galvanized		x	-	x
	GRT0014	Adaptor; pre-installed		1.4574		-	x	-
15	GRS0043	Adaptor		1.0038 galvanised		1	-	1
	GRS0044	Adaptor		1.4571		-	1	-
16	NGE.058	Screw connection				2	2	2
17	NGE.120	Barbed fitting	BEL; DN6			1	1	1
18	GRS.207	Screw connection	8 x 1			1	1	1
19	PRS.116	Inspection pipe				1	1	1
20	NLV.001	Breather valve				1	1	1
21	DWD.054	Radial shaft seal ring	50 x 65 x 7	NBR		1	1	1
22	NSR.015	Retaining ring	I 65 x 2.5			2	2	2

Mechanical seal

Position 23-24

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
23	DGL.D003.N1	Mechanical seal	76.97-H3200	Duronit		2	2	2
	DGL.D003.SC	Mechanical seal	76.97-H3200	SiSiC (silicon carbide)				
24	DOR.024.HNB	O-ring	58 x 73 x 7.5	HNBR		2	2	2
	DOR.024.VI	O-ring	58 x 73 x 7.5	FPM				

Geared motor and accessories

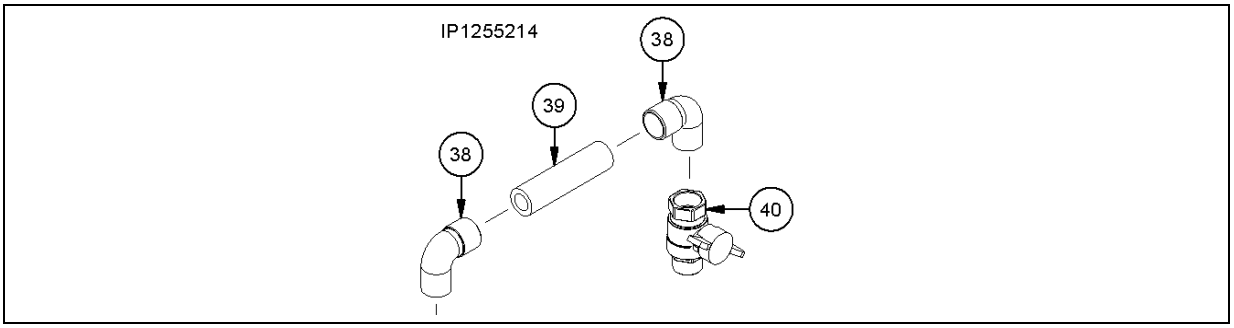
Position 25-29

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
25	AGM1178	Geared motor	SK32F VL90LH/4TF	1.5 kW; 76 min^{-1}		1	1	1
	AGM1179	Geared motor	SK32F VL100LH/4TF	2.2 kW; 183 min^{-1}				
	AGM1180	Geared motor	SK32F VL100LH/4TF	2.2 kW; 274 min^{-1}				
	AGM1181	Geared motor	SK32F VL100LH/4TF	2.2 kW; 326 min^{-1}				
	AGM1182	Geared motor	SK32F VL100AH/4TF	3 kW; 270 min^{-1}				
	AGM1183	Geared motor	SK32F VL100MH/4TF	4 kW; 262 min^{-1}				
	NGE0060	Vent screw for geared motor				x		
25.1	DWD.075	Radial shaft seal ring	50 x 80 x 10	Contained in geared motor		1	1	1
26	NSK.005	Hexagon head screw	M 10 x 50			4	-	4
	NSK.177	Hexagon head screw	M 10 x 50	Stainless steel		-	4	-
27	NUS.004	Washer	10.5 x 20 x 2			4	-	4
	NUS.004.EE	Washer	10.5 x 20 x 2	Stainless steel		-	4	-
28	NPF.060	Fitting key	AB 12 x 8 x 52			1	1	1
29	DOR0011	O-ring	35 x 1	NBR		1	1	1

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Ball valve

Detail C



Position 38-40

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
38	NWE.007	Mounting bracket	½ inch IG-AG 90°			2	-	2
	NWE0018	Mounting bracket	½ inch IG-AG 90°	1.4571		-	2	-
39	HRS0110	Pipe double nipple	½ inch x 80 mm			1	-	1
	HRS0158	Pipe double nipple	½ inch x 80 mm	1.4571		-	1	-
40	GHN0016	Ball valve	½ inch			1	1	1

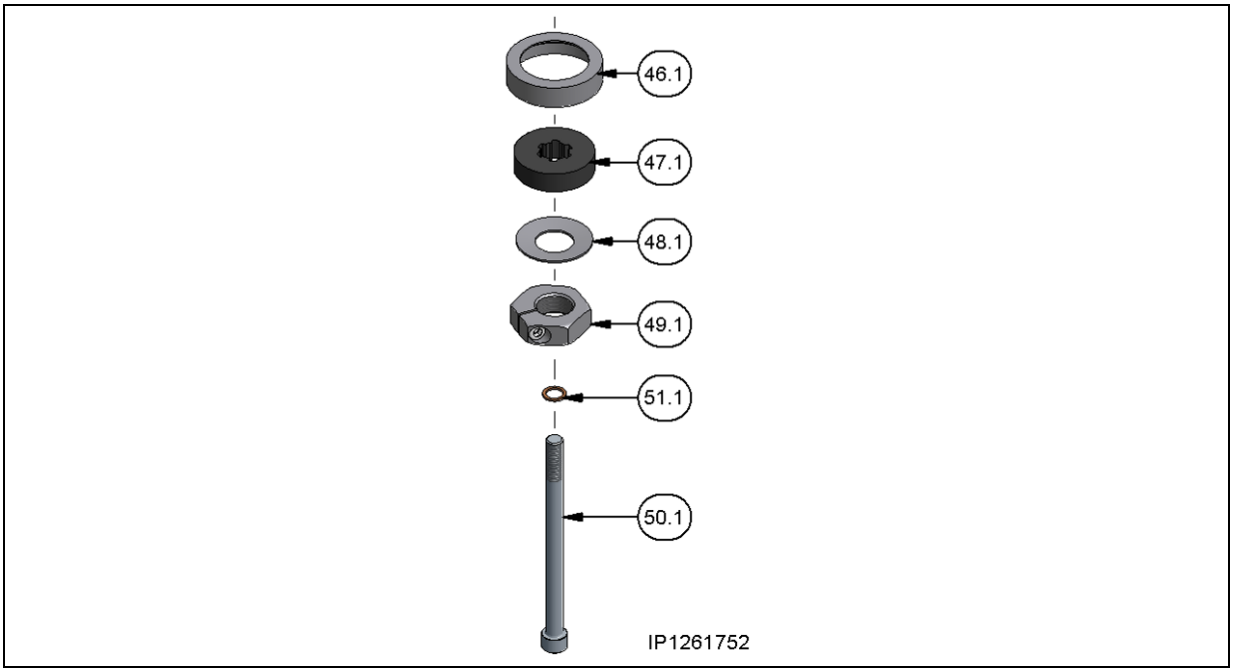
Option: External gap sealing

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
	GAS.013.T1	External gap sealing		Steel		1	-	1
	GAS.013.T1.E	External gap sealing		Stainless steel		-	1	

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Manual preload

Detail A



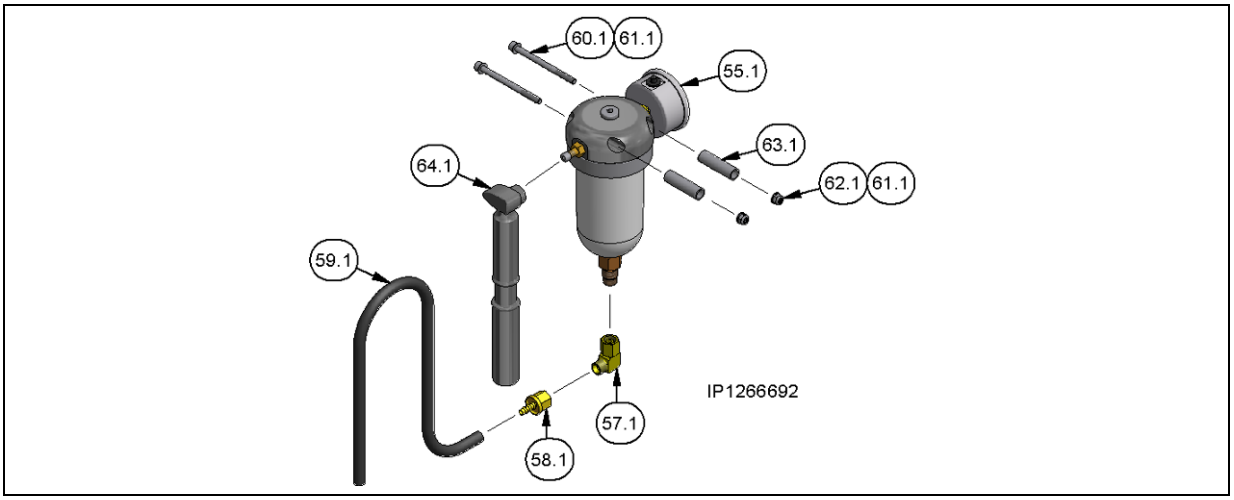
Pos. 46.1-52.1

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
46.1	PRS.100	Protection for rubber discs/ spring washers				1	1	1
47.1	DFD.110	Rubber disc				1	1	1
48.1	NTF.001	Spring washer				1	1	1
49.1	NMS.016	Tensioning nut		With locking screw		1	1	1
50.1	NSI.051	Hexagon socket head cap screw	M 16 x 220			1	-	1
	NSI.051.E	Hexagon socket head cap screw	M 16 x 220	Stainless steel		-	1	-
51.1	DKR.005	Copper ring	C 16 x 22 x 2	DIN 7603		1	1	1

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Manual preload: oil supply for mechanical seal

Pos. 55-63



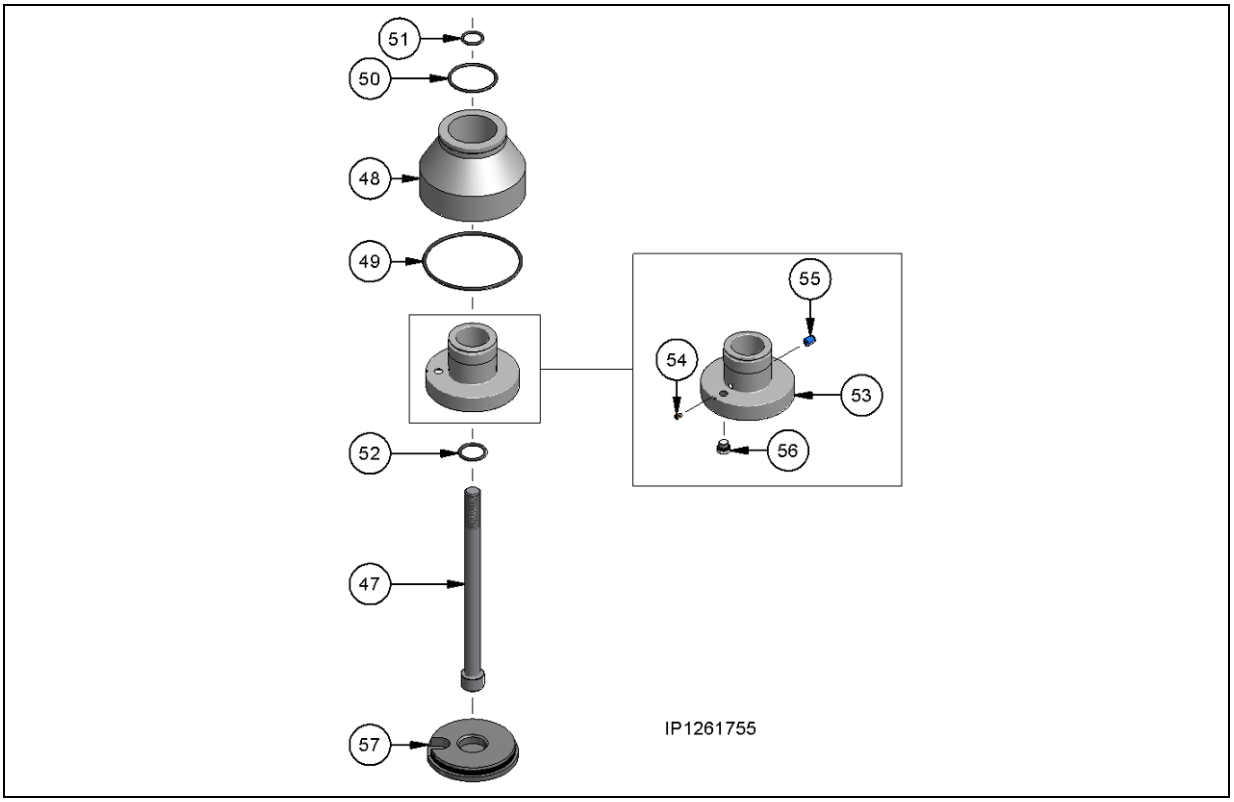
Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
55.1	PSG0004	Oil tank				1	-	1
	DOR.147	O-ring	68 x 3	Included in PSG0004		(1)	-	(1)
57.1	NGE.086	Elbow coupling	EEL 08L	Pre-installed		1	-	1
58.1	NVR.003	Seal bonnet				1	-	1
59.1	HSC.015 (5	Plug-in hose	DN 6			100 mm		
60.1	NSI0048	Hexagon socket head cap screw	M 6 x 85	ISO 4762		2	-	2
61.1	NUS.002	Washer	A 6,4 x 12 x 1,6	DIN 125		4	-	4
62.1	NMK.001	Hexagon nut	M 6	DIN 985		2	-	2
63.1	HRS.104	Pipe cut				2	-	2
	AHP.001	Manual air pump				1		

(5 Please specify length when ordering replacement parts!

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Preload ACC (AutoCutControl)

Detail B

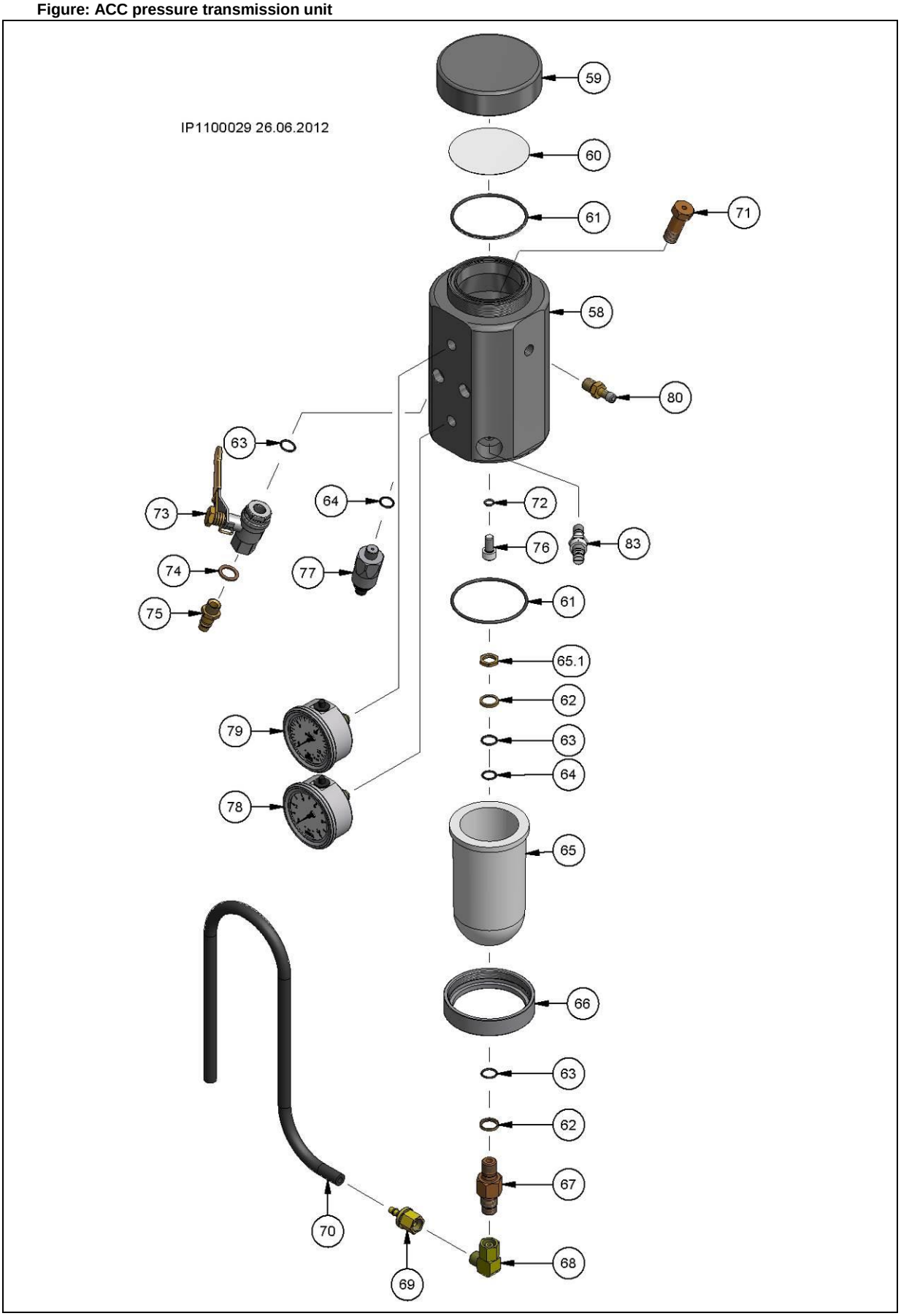


Position 46-57

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
46	NUS.098.E	Shim	75 x 36 x 1	Option		0-4	0-4	0-4
47	NSI.097	Hexagon socket head cap screw	M 16 x 230	ISO 4762		1	-	1
	NSI.097.E	Hexagon socket head cap screw	M 16 x 230	ISO 4762; stainless steel		-	1	-
	GRT.001.N2	**ACC complete**		Contains pos. 48 - 57				
48	GRS.079.E.N2	ACC cylinder		18 mm stroke		1	1	1
NBR								
49	DOR.046	O-ring	96 x 3	NBR		1		
50	DOR.072	O-ring	45 x 3	NBR		1		
51	DOR.021	O-ring	24 x 3	NBR		1		
52	DOR.079	O-ring	18.4 x 2.7	NBR		1		
FPM (Option)								
49	DOR.046.VI	O-ring	96 x 3	FPM		1		
50	DOR.072.VI	O-ring	45 x 3	FPM		1		
51	DOR.021.VI	O-ring	24 x 3	FPM		1		
52	DOR.079.VI	O-ring	18.4 x 2.7	FPM		1		
	GRT.006.N1	**ACC piston pre-installed**		Contains pos. 53-56				
53	GRS.078.E.N2	ACC piston		18 mm stroke		1	1	1
54	GRS.146	Throttle				1	1	1
	GRS.147	Hexagon head screw plug	M 4 x 7	(Option)				
55	PSV.006	Check valve				1	1	1
56	NSK0005	Hexagon head screw plug				1	1	1
57	NST0002	Protective cap				1	1	1

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Figure: ACC pressure transmission unit



ACC pressure transmission unit

Pos. 58-83

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
	GRT0060	**Pressure transmission unit**		Includes pos. 58-83				
58	GRS0195	Housing				1		
59	GRS0171	Cover				1		
60	RFL3683	Sealing plate				1		
61	DOR.147	O-ring	68 x 3	NBR		2		
62	NDR.001	Support ring	M12			2		
63	DOR.040	O-ring	12 x 2			2		
64	DOR.104	O-ring	11 x 1.5			3		
65	AHA.027	Oil tank				1		
65.1	-	Flat nut	M14 x 1	Contained in AHA.027		(1)		
66	NGE0076	Threaded ring				1		
67	PRS0033	Screw connection				1		
68	NGE.086	Elbow coupling	EEL 08L			1		
69	NVR.003	Seal bonnet	DKL, DN6			1		
70	HSC.015 (5	Hose	DN6			1.1 m		
71	PRS0397	Hollow screw	¼ inch			1		
72	DOR.128	O-ring	7.5 x 1.5			1		
73	GHN.057	Ball valve	¼“			1		
74	DKR.006	Sealing ring	A 14 x 20 x 1.5	DIN 7603		1		
75	NGE.088	Pneumatic plug nipple				1		
76	NSI0023	Hexagon socket head cap screw	M8 x 16			1		
77	SDS0003	Normally closed contact for pressure control switch	24 V	1 to 10 bar		1		
	EKT0012	Plug with cable (5 m)	M12			1		
78	SMD.049	Pressure gauge		0 to 10 bar		1		
79	SMD0029	Pressure gauge		0 to 16 bar		1		
80	NGE0109	Screwed valve				1		
83	APV0022	Pressure regulator hollow screw	G1/8,	1-8 bar		1		
	AHP.002	Manual air pump				1		

(5 Please specify length when ordering replacement parts!

Holder pressure transmission unit

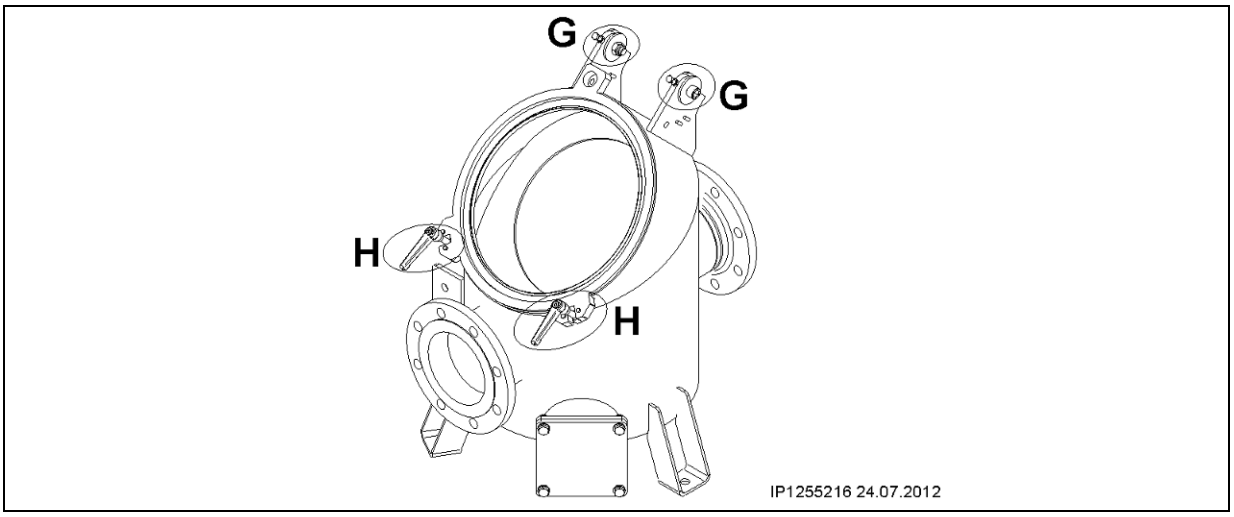
Position 84

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
1.0038 galvanized								
84	RCS0112	Holder		Cyclone 90° / 270°		1	-	-
	RCS0108	Holder		INLINE / cyclone 180°				
	RCS0120	Holder		BioCut right mounting side				
	RCS0115	Holder		BioCut left mounting side				
1.4571								
84	RCS0109	Holder		INLINE		-	1	-
	RCS0122	Holder		BioCut right mounting side				
	RCS0123	Holder		BioCut left mounting side				
1.0038 painted								
84	RCS0140	Holder		INLINE		-	-	1
	RCS0124	Holder		BioCut right mounting side				
	RCS0125	Holder		BioCut left mounting side				

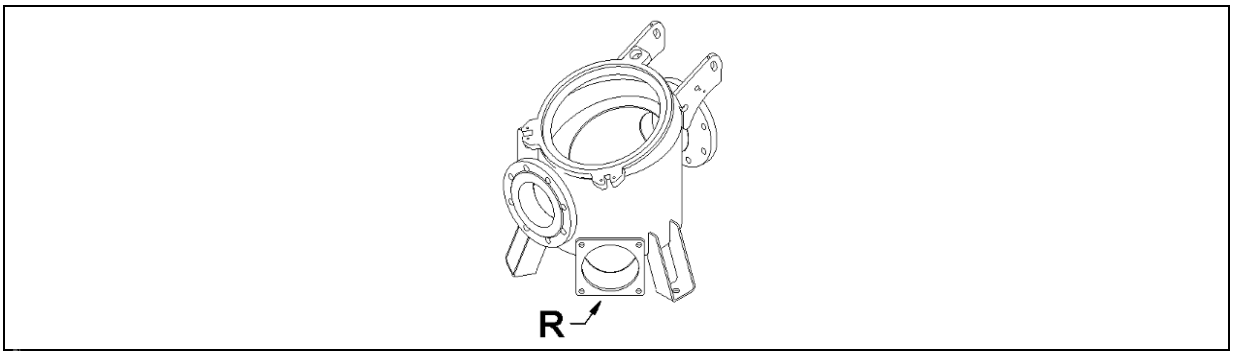
(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Pot

Position 90



INLINE



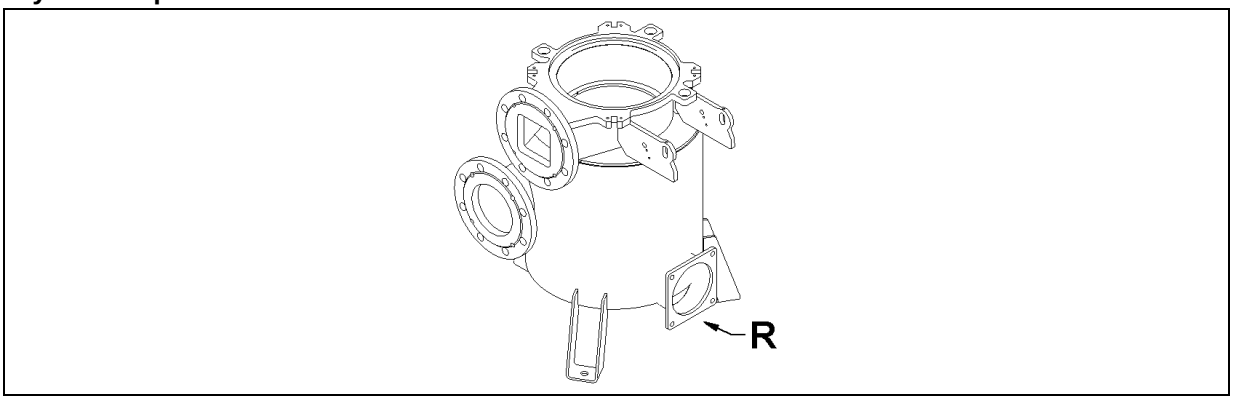
R1: Cleaning port 6 inch + blind flange 6 inch (pos. 91-94)
R2: Cleaning port 6 inch+ adaptor flange DIN/ ANSI (pos. 100-107)

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
1.0038, galvanised								
90	GRC0354	Pot Inline	DN 100/ DN 125	(* Right		1	-	-
	GRC0348	Pot Inline	DN 125/ DN 125	(* Right				
	GRC0353	Pot Inline	DN 150/ DN 150 (combi-flange)	(* Right				
	GRC0357	Pot Inline	4 inch/ 4 inch (ANSI-Flansch)	(* Right				
	GRC0351	Pot Inline	DN 125/ DN 125	(* Left				
1.0038, painted								
90	GRC0356	Pot Inline	DN 100/ DN 100	(* Right		-	-	1
	GRC0350	Pot Inline	DN 125/ DN 125	(* Right				
	GRC0386	Pot Inline	DN 150/ DN 150	(* Right				
	GRC0387	Pot Inline	DN 150/ DN 150	(* Left				
1.4571								
90	GRC0349	Pot Inline	DN 125/ DN 125	(* Right		-	1	-
	GRC0352	Pot Inline	DN 125/ DN 125	(* Left				
	GRC0386	Pot Inline	DN 150/ DN 150	(* Right				
	GRC0387	Pot Inline	DN 150/ DN 150	(* Left				

(* Position of cleaning port

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Cyclone separator

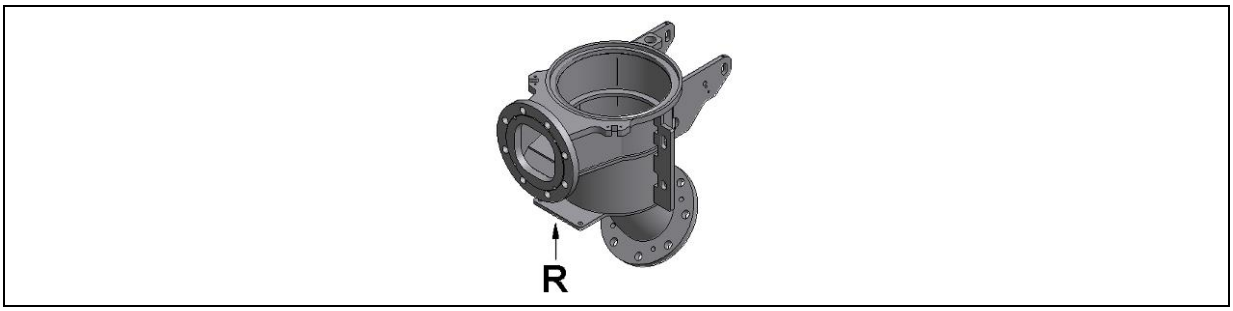


R: Cleaning port 6 inch + blind flange 6 inch (pos. 91-94)

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
1.0038 galvanised								
90	GRC0358	Cyclone separator	DN 150/ DN 150	(**		1	-	-
	GRC0377	Cyclone separator	DN 150/ DN 150	Mounting of three-point base (**				
1.0038 painted								
90	GRC0374	Cyclone separator	DN 150	(**		-	-	1
	GRC0379	Cyclone separator	DN 150	Mounting of three-point base (**				

(** custom welded as per TINF.RC.005.DE.EN

BioCut



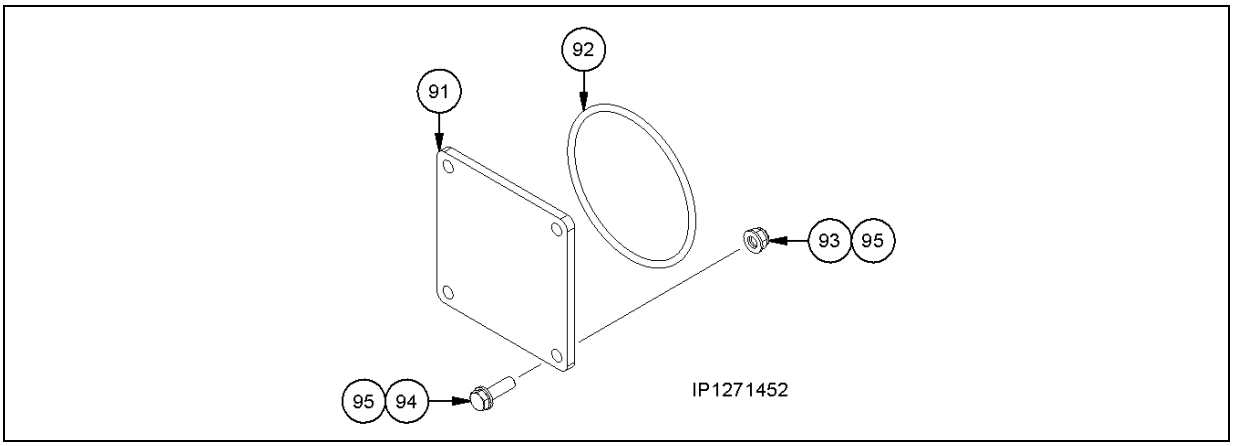
R 1: Cleaning port 6 inch + pipe elbow draining connection BioCut (Pos.108-113) + blind flange 6 inch (Pos.91-94)
R 2: Cleaning port 6 inch + pipe elbow draining connection BioCut (Pos.108-113) + adaptor flange 6 inch auf DIN/ ANSI (Pos.101-107)
R 3: Cleaning port 6 inch + blind flange 6 inch (Pos. 91-94)

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
90	GRC0382	BioCut	DN 150/ DN 150	1.0038 galvanized		1	-	-
	GRC0383	BioCut	DN 150/ DN 150	1.0038 painted		-	-	1
	GRC0384	BioCut	DN 150/ DN 150	1.4571		-	1	-

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Blind flange + accessories

Position 91-95



6 inch

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
91-95	GAS0001	Mounting kit blind flange 1.0038 galvanized	6 inch	NBR		x	-	-
	GAS0002	Mounting kit blind flange 1.4571	6 inch	NBR		-	x	-
	GAS0004	Mounting kit blind flange 1.0038 painted	6 inch	NBR		-	-	x
	GAS0031	Mounting kit blind flange 1.0038 galvanized	6 inch	MVQ; FEP coated		x	-	-
	GAS0032	Mounting kit blind flange 1.4571	6 inch	MVQ; FEP coated		-	x	-
	GAS0033	Mounting kit blind flange 1.0038 painted	6 inch	MVQ; FEP coated		-	-	x

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
91	GFL.459	Blind flange	6 inch	1.0038 galvanized		1	-	-
	GFL.459.E	Blind flange	6 inch	1.4571		-	1	-
	GFL0216	Blind flange	6 inch	1.0038 painted		-	-	1
92	DOR.016	O-ring	160 x 7	NBR		1	1	1
	DOR.016.SI	O-ring	160 x 7	MVQ; FEP coated				
Steel								
93	NMK.002	Hexagon nut	M 12	DIN 985		4	-	4
94	NSK.031	Hexagon head screw	M 12 x 45	DIN 933		4	-	4
95	NUS.005	Washer	A; 13 x 24 x 2,5	DIN 125		4	-	4
Stainless steel								
93	NMK.002.EE	Hexagon nut	M 12	DIN 985		-	4	-
94	NSK.160	Hexagon head screw	M 12 x 45	DIN 933		-	4	-
95	NUS.005.E	Washer	A; 13 x 24 x 2,5	DIN 125		-	4	-

Scraper (Option)

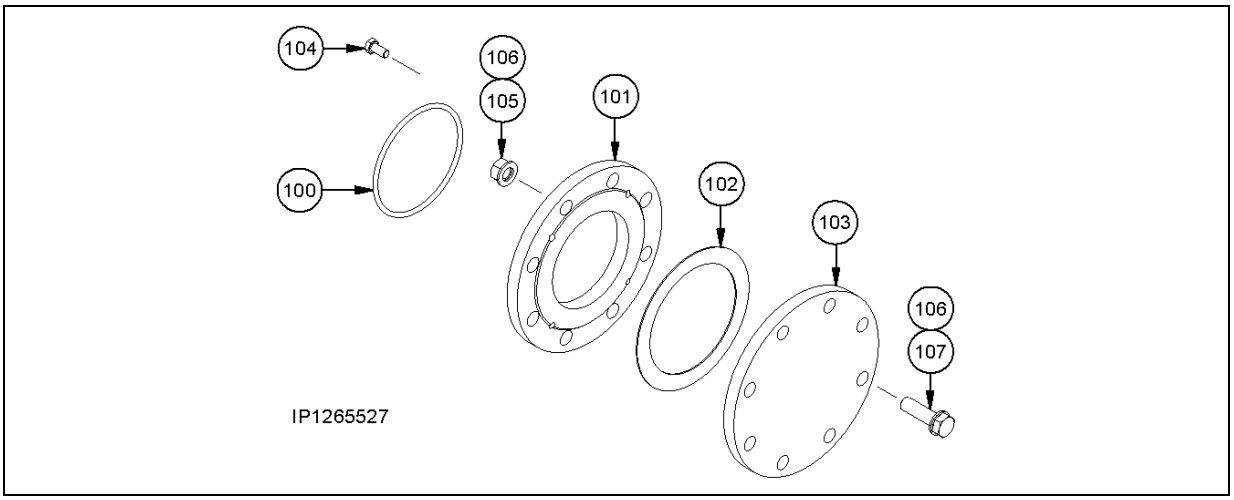
Position 98-99

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
98	RFL.975.T1	Scraper		1.0038 galvanized		1	-	-
	RFL.975.T1.E	Scraper		1.4571		-	1	1
99	NSK.003.EE	Hexagon head screw	M 10 x 40	DIN 933		3		
	NMK.001.EE	Hexagon nut	M 10	DIN 988		3		
	NUS.004.E	Washer	A 10.5 x 20 x 2	DIN 125		3		

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Adaptor flange DIN/ANSI

Position 100-107

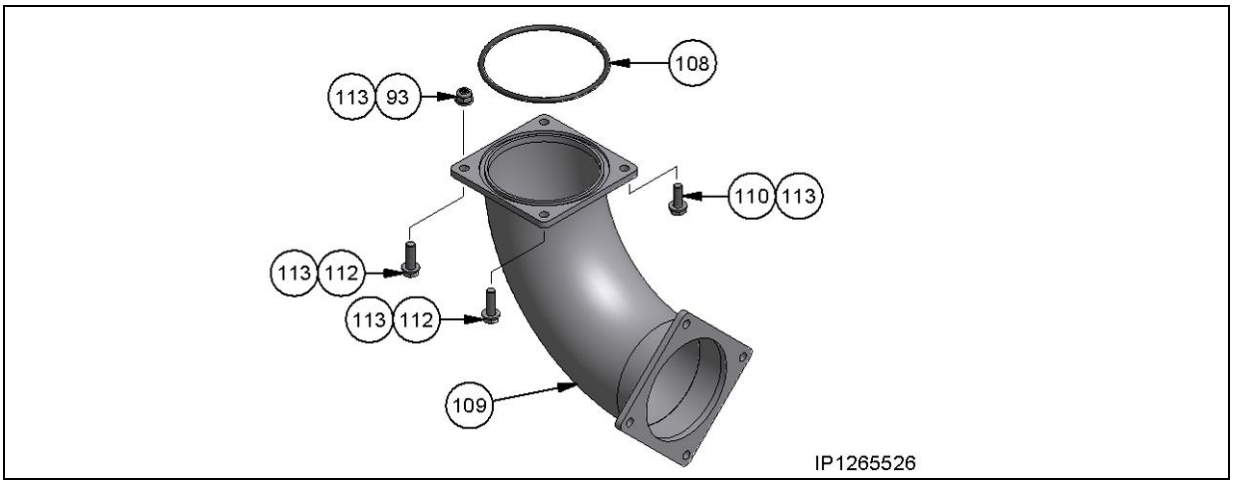


Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
1.0038								
100	DOR.016	O-ring	160 x 7	NBR		1	-	1
101	GFL0165	Adaptor flange	DN 150 – ANSI 6 inch	1.0038 galvanised		1	-	1
	GFL0202	Adaptor flange	DN 150 – ANSI 6 inch	1.0038 painted		1	-	1
102	DFD.054	Flange gasket	DN 150			1	-	1
103	GFL.947	DIN blind flange	DN 150	1.0038 galvanised		1	-	1
	GFL0201	DIN blind flange	DN 150	1.0038 painted		1	-	1
104	NSK.042	Hexagon head screw	M 12 x 25			4	-	4
105	NMS.007	Hexagon nut	M 20			8	-	8
106	NUS.008	Washer	A 21 x 37 x 3			16	-	16
107	NSK.103	Hexagon head screw	M 20 x 70			8	-	8
1.4571								
100	DOR.016	O-ring	160 x 7	NBR		-	1	-
101	GFL0166	Adaptor flange	DN 150 – ANSI 6 inch	1.4571		-	1	-
102	DFD.054	Flange gasket	DN 150			-	1	-
103	GFL.947.E	DIN blind flange	DN 150	1.4571		-	1	-
104	NSK.042.EE	Hexagon head screw	M 12 x 25	Stainless steel		-	4	-
105	NMS.007.EE	Hexagon nut	M 20	Stainless steel		-	8	-
106	NUS.008.EE	Washer	A 21 x 37 x 3	Stainless steel		-	16	-
107	NSK.103.EE	Hexagon head screw	M 20 x 70	Stainless steel		-	8	-

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Pipe elbow BioCut

Positon 108-113

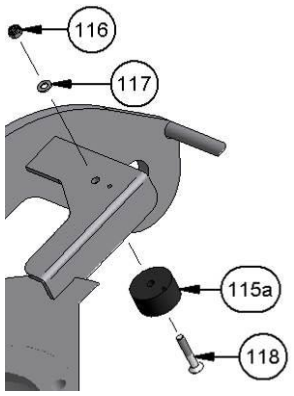


Pos.	Part number	Description	Dimensions	Notes	Rep.	S[a	E[a	L[a
1.0038								
108	DOR.016	O-Ring	160 x 7	NBR		1	-	1
	DOR.016.SI	O-Ring	160 x 7	Silicone				
109	GAD.025.N1	Pipe elbow		1.0038 galvanized		1	-	-
	GAD0101	Pipe elbow		1.0038 painted		-	-	1
110	NSK.029	Hexagon head screw	M 12 x 35			2	-	2
111	NSK.031	Hexagon head screw	M 12 x 45			2	-	2
112	NMK.002	Hexagon nut	M 12	Self-locking		2	-	2
113	NUS.005	Washer	A 13 x 24 x 2.5			6	-	6
1.4571								
108	DOR.016	O-Ring	160 x 7	NBR		-	1	-
	DOR.016.SI	O-Ring	160 x 7	Silicone				
109	GAD.025.N1.E	Pipe elbow		1.4571		-	1	-
110	NSK.029.EE	Hexagon head screw	M 12 x 35			-	2	-
111	NSK.157	Hexagon head screw	M 12 x 45			-	2	-
112	NMK.002.EE	Hexagon nut	M 12	Self-locking		-	2	-
113	NUS.005.E	Washer	A 13 x 24 x 2,5				6	-

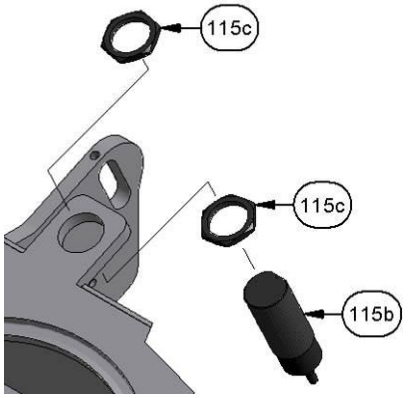
(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Safety switch

Detail D



Cutter head



Pot

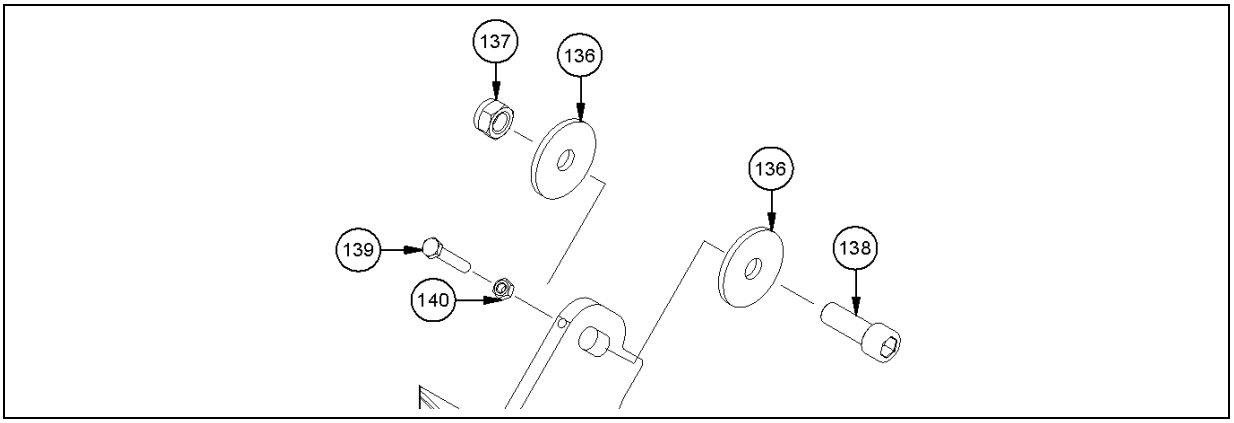
Position 115-118

Pos.	Part number	Description	Dimensions	Notes	Rep.	S[a	E[a	L[a
115	SMD0013	Safety switch		Contains pos.115a-115c		1	1	1
115a	-	Magnetic element				(1)	(1)	(1)
115b	-	Sensor with evaluator				(1)	(1)	(1)
115c	-	Adjusting nut				(2)	(2)	(2)
Steel								
116	NMK.034	Hexagon nut	M 5	DIN 934		1	-	1
117	NUS.120	Washer	5.3 x 10 x 1	DIN 125		1	-	1
118	NSE.020.E	Countersunk head screw	M 5 x 30	ISO 10642		1	-	1
Stainless steel								
116	NMK.034.EE	Hexagon nut	M 5	DIN 934		-	1	-
117	NUS.120.E	Washer	5.3 x 10 x 1	DIN 125		-	1	-
118	NSE.020.E	Countersunk head screw	M 5 x 30	ISO 10642		-	1	-

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Pivot

Detail G



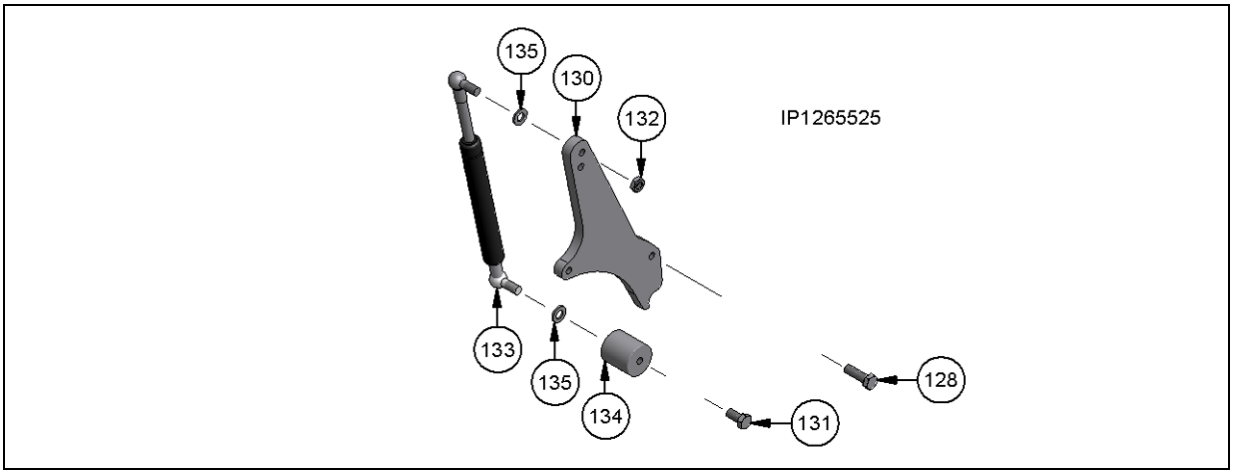
Position 136-140

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
136	NUS.090	Washer	F; 16 x 5 x 60 x 5	DIN 522		4	-	4
	NUS.090.E	Washer	F; 16 x 5 x 60 x 5	DIN 522		-	4	-
137	NMK.007	Hexagon nut	M 16	DIN 985		2	-	2
	NMK.007.EE	Hexagon nut	M 16	DIN 985		-	2	-
138	NSI.045	Hexagon socket head cap screw	M 16 x 45	ISO 4762		2	-	2
	NSI.045.EE	Hexagon socket head cap screw	M 16 x 45	ISO 4762		-	2	-
139	NSK.126	Hexagon head screw	M 8 x 45	DIN 933		2	-	2
	NSK.203	Hexagon head screw	M 8 x 45	DIN 933		-	2	-
140	NMS.002	Hexagon nut	M 8	DIN 934-8		2	-	2
	NMS.002.E	Hexagon nut	M 8	DIN 934-8		-	2	-

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Gas spring

Detail E



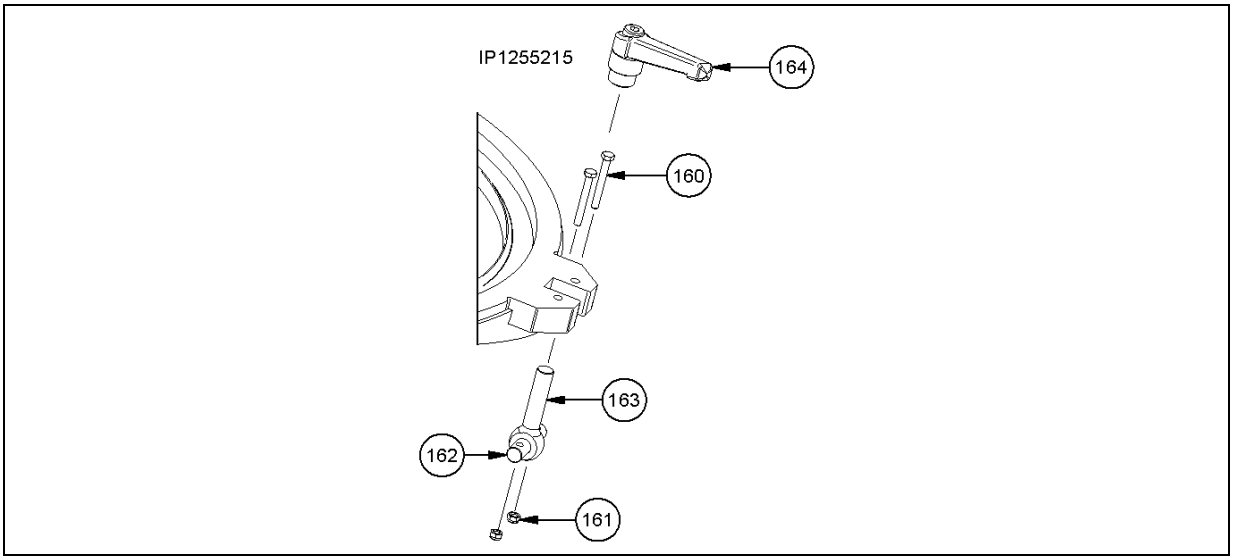
Pos. 128-135

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
128	NSK.042	Hexagon head screw	M 12 x 25	DIN 933		1	-	1
	NSK.042.EE	Hexagon head screw	M 12 x 25	DIN 933		-	1	-
130	RFL.439	Holder		1.0038 galvanized		1	-	-
	RFL.439.E	Holder		1.4571		-	1	-
	RFL2771	Holder		1.0038 painted		-	-	1
131	NSK.041	Hexagon head screw	M 12 x 20	DIN 933		2	-	2
	NSK.041.E	Hexagon head screw	M 12 x 20	DIN 933		-	2	-
132	NMS.004	Hexagon nut	M 12	DIN 934		1	-	1
	NMS.004.EE	Hexagon nut	M 12	DIN 934		-	1	-
133	NFE.030	Gas spring				1	1	1
134	GRS.175	Screw connection for gas spring				1	-	1
	GRS.175.E	Screw connection for gas spring				-	1	-
135	NUS.005	Washer	A 13 x 24 x 2,5	DIN 125		2	-	2
	NUS.005.E	Washer	A 13 x 24 x 2,5	DIN 125		-	2	-

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Clamping fastener

Detail H

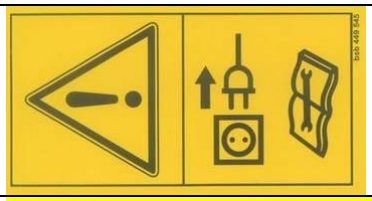
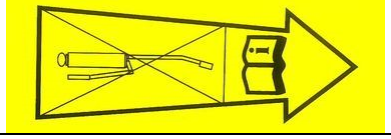
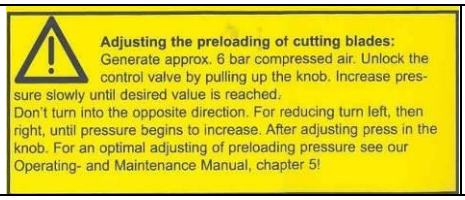


Position 160-164

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
160	NSK0057	Hexagon head screw	M 5 x 40	DIN 933		4	-	4
	NSK0071	Hexagon head screw	M 5 x 40	DIN 933		-	4	-
161	NMK.034	Hexagon nut	M 5	DIN 985		4	-	4
	NMK.034.EE	Hexagon nut	M 5	DIN 985		-	4	-
162	GRS0256	Take-up shaft	M 10			2	-	2
	GRS0484	Take-up shaft	M 10	1.4571		-	2	-
163	NSH0008	Eye bolt	M 10 x 55	DIN 444		2	-	2
	NSH0009	Eye bolt	M 10 x 55	DIN 444		-	2	-
164	BHA0003	Release handle	M 10 x 17			2	-	2
	BHA0027	Release handle	M 10 x 17			-	2	-

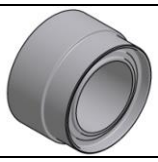
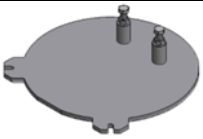
(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Safety sticker

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
	VAU.133	Sticker				1	1	1
	VAU.013.EN	Sticker				1	1	1
	VAU.014	Sticker				1	1	1
	VAU.109	Sticker				1	1	1
	VAU.012	Sticker				1	1	1
	VAU.130	Sticker				1	1	1
ACC:								
	VAU.140.EN	Sticker				1	1	1
Cyclone separator								
	VAU.142.EN	Sticker				1	1	1
INLINE + BioCut								
	VAU.144.EN	Sticker				1	1	1

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Tools

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
1	WKZ.046	Detaching tool for drive shaft						
2	WKZ.047	Fitting tool for drive shaft						
3	WKZ.048	Ring spanner wrench with PTO shaft profile 35/45						
	WKZ.097	Tensioning tool for gas spring NFE.030						
	WKZ.090	Assembly tool		radial shaft seal ringDWD.054				
	PBA.D006.N1.T1	Assembly tool		Mechanical seal				
In the case of manual preload								
	GMS.001	Open-end wrench		For preload locking nut				
Blind flange for RotaCut pot (allows for continued flow of the medium while repairs are made to the cutter head)								
	WKZ0485	-Inline -BioCut		1.0038 galvanized				

Operating material

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
	BSS.016	Hydraulic oil		Plantohyd 40N		x		

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Required spare parts for mechanical seal change

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
14	NIR.022	Inner ring	JR 40 x 50 x 22			1	1	1
21	DWD.054	Radial shaft seal ring	50 x 65 x 7	NBR		1	1	1
23	DGL.D003.N1	Mechanical seal	76.97-H3200	Duronit		2	2	2
	DGL.D003.SC	Mechanical seal	76.97-H3200	SiSiC (silicon carbide)				
24	DOR.024.HNB	O-ring	58 x 73 x 7.5	HNBR		2	2	2
	DOR.024.VI	O-ring	58 x 73 x 7.5	FPM				
25.1	DWD.075	Radial shaft seal ring	50 x 80 x 10	Contained in geared motor		1	1	1
29	DOR0011	O-ring	35 x 1	NBR		1	1	1
With version B preload (ACC) additionally:								
NBR								
49	DOR.046	O-ring	96 x 3	NBR		1		
50	DOR.072	O-ring	45 x 3	NBR		1		
51	DOR.021	O-ring	24 x 3	NBR		1		
52	DOR.079	O-ring	18.4 x 2.7	NBR		1		
FPM (Option)								
49	DOR.046.VI	O-ring	96 x 3	FPM		1		
50	DOR.072.VI	O-ring	45 x 3	FPM		1		
51	DOR.021.VI	O-ring	24 x 3	FPM		1		
52	DOR.079.VI	O-ring	18.4 x 2.7	FPM		1		

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Necessary spare parts for blade change

Pos.	Part number	Description	Dimensions	Notes	Rep.	S(a	E(a	L(a
Steel								
8	GFL.427.N3.M9	Cutting screen	Max. ø 20 mm	Medium; t = 12 mm		1	-	1
	GFL0035	Cutting screen	Max. ø 28 mm	Coarse				
	GFL.546.M9	Cutting screen	Max. ø 4 mm	Honey comb				
	GFL.570.M9	Cutting screen	Max. ø 8 mm	Honey comb				
	GFL.480.M9	Cutting screen	Max. ø 12 mm	Honey comb				
	GFL.449.M9	Cutting screen	Max. ø 15 mm	Honey comb				
Steel								
8	GFL0316	Cutting screen	Max. ø 20 mm	Medium; t = 15 mm		1	-	-
Stainless steel								
8	GFL.427.N3.E3	Cutting screen	Max. ø 20 mm	Standard		(1)	1	(1)
	GFL.495.N1.E3	Cutting screen	Max. ø 28 mm	Coarse				
	GFL.546.E3	Cutting screen	Max. ø 4 mm	Honey comb				
	GFL.570.E3	Cutting screen	Max. ø 8 mm	Honey comb				
	GFL.480.E3	Cutting screen	Max. ø 12 mm	Honey comb				
	GFL.449.E3	Cutting screen	Max. ø 15 mm	Honey comb				
		Max. ø = max. ball diameter						
The cutting screen **pos. 8** can be turned **once** so it doesn´t have to be replaced until the next cutting blade change!								
9	GRS.203.EE	Tensioning screw				3	3	3
	GRS.202	Spring pin				3	-	3
	GRS.202.EE	Spring pin				-	3	-
11	GSM.006	Cutting blade	8 mm	+ NSP.006		4 / 3*		
	GSM.006.E4	Cutting blade	8 mm	Stainless steel				
	GSM.006.T1.E4	Cutting blade	8 mm	Stainless steel high version; only for ACC!				
	GSM.006.T2.E4	Cutting blade	5 mm	Stainless steel		6**		
12	NSP.006	Spring pin	10 x 30	→ GSM.006		4 / 3* / 6**		
12	NSP.030.E	Spring pin	10 x 30	→ GSM.006.E4 → GSM.006.T1.E4 → GSM.006.T2.E4		4 / 3* / 6**		
	NSP.031.E	Spring pin	6 x 30			4 / 3* / 6**		
13	ZDFD.390.0110	Polyethylene cord				4 / 3* / 6**		
With version B preload (ACC) additionally:								
NBR								
49	DOR.046	O-ring	96 x 3	NBR		1		
50	DOR.072	O-ring	45 x 3	NBR		1		
51	DOR.021	O-ring	24 x 3	NBR		1		
52	DOR.079	O-ring	18.4 x 2.7	NBR		1		
FPM (Option)								
49	DOR.046.VI	O-ring	96 x 3	FPM		1		
50	DOR.072.VI	O-ring	45 x 3	FPM		1		
51	DOR.021.VI	O-ring	24 x 3	FPM		1		
52	DOR.079.VI	O-ring	18.4 x 2.7	FPM		1		

* Quantities or parts in case of rotor with 3 wings
** Quantities or parts in case of rotor with 6 wings

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Required spare parts for wear part replacement

Pos.	Part number	Description	Dimensions	Notes	Rep.	S[a]	E[a]	L[a]
2	DOR0021	O-ring	311 x 18	NBR		1	1	1
	DOR.073.SI	O-ring	320 x 18	MVQ				
3	GSW.016	Flywheel		Includes pos. 4 + 5		1	1	1
4	PRS.113	Seal support				1	1	1
5	NSI.134.E	Pan head screw	M 8 x 20	ISO 7380		3	3	3
Steel								
6	GAS.019	Internal gap seal		1.0038		1	-	1
	NSI.006	Hexagon socket head cap screw	M 10 x 30	Contained in GAS.019		1	-	1
Stainless steel								
6	GAS.019.E	Internal gap seal		1.4571		-	1	-
	NSI.034	Hexagon socket head cap screw	M 10 x 30	Contained in GAS.019.E		-	1	-
Steel								
8	GFL.427.N3.M9	Cutting screen	Max. ø 20 mm	Medium; t = 12 mm		1	-	1
	GFL0035	Cutting screen	Max. ø 28 mm	Coarse				
	GFL.546.M9	Cutting screen	Max. ø 4 mm	Honey comb				
	GFL.570.M9	Cutting screen	Max. ø 8 mm	Honey comb				
	GFL.480.M9	Cutting screen	Max. ø 12 mm	Honey comb				
	GFL.449.M9	Cutting screen	Max. ø 15 mm	Honey comb				
Steel								
8	GFL0316	Cutting screen	Max. ø 20 mm	Medium; t = 15 mm		1	-	-
Stainless steel								
8	GFL.427.N3.E3	Cutting screen	Max. ø 20 mm	Standard		(1)	1	(1)
	GFL.495.N1.E3	Cutting screen	Max. ø 28 mm	Coarse				
	GFL.546.E3	Cutting screen	Max. ø 4 mm	Honey comb				
	GFL.570.E3	Cutting screen	Max. ø 8 mm	Honey comb				
	GFL.480.E3	Cutting screen	Max. ø 12 mm	Honey comb				
	GFL.449.E3	Cutting screen	Max. ø 15 mm	Honey comb				
		Max. ø = max. ball diameter						
The cutting screen **pos. 8** can be turned **once** so it doesn´t have to be replaced until the next cutting blade change!								
9	GRS.203.EE	Tensioning screw				3	3	3
	GRS.202	Spring pin				3	-	3
	GRS.202.EE	Spring pin				-	3	-
10	GFM.019.N2	Blade rotor		4 wings; groove 8 mm		1	1	1
	GFM.004.N2	Blade rotor		3 wings; groove 8 mm				
	GFM.008.N2.T2	Blade rotor		6 wings; groove 5 mm				
11	GSM.006	Cutting blade	8 mm	+ NSP.006		4 / 3*		
	GSM.006.E4	Cutting blade	8 mm	Stainless steel				
	GSM.006.T1.E4	Cutting blade	8 mm	Stainless steel high version; only for ACC!				
	GSM.006.T2.E4	Cutting blade	5 mm	Stainless steel		6**		
12	NSP.006	Spring pin	10 x 30	→ GSM.006		4 / 3* / 6**		
12	NSP.030.E	Spring pin	10 x 30	→ GSM.006.E4 → GSM.006.T1.E4 → GSM.006.T2.E4		4 / 3* / 6**		
	NSP.031.E	Spring pin	6 x 30			4 / 3* / 6**		
13	ZDFD.390.0110	Polyethylene cord				4 / 3* / 6**		
14	NIR.022	Inner ring	JR 40 x 50 x 22			1	1	1

* Quantities or parts in case of rotor with 3 wings
** Quantities or parts in case of rotor with 6 wings

Continuation see next page

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Pos.	Part number	Description	Dimensions	Notes	Rep.	S[a]	E[a]	L[a]
15	GRS0043	Adaptor		1.0038 galvanised		1	-	1
	GRS0044	Adaptor		1.4571		-	1	-
21	DWD.054	Radial shaft seal ring	50 x 65 x 7	NBR		1	1	1
23	DGL.D003.N1	Mechanical seal	76.97-H3200	Duronit		2	2	2
	DGL.D003.SC	Mechanical seal	76.97-H3200	SiSiC (silicon carbide)				
24	DOR.024.HNB	O-ring	58 x 73 x 7.5	HNBR		2	2	2
	DOR.024.VI	O-ring	58 x 73 x 7.5	FPM				
25.1	DWD.075	Radial shaft seal ring	50 x 80 x 10	Contained in geared motor		1	1	1
29	DOR0011	O-ring	35 x 1	NBR		1	1	1
With version B preload (ACC) additionally:								
NBR								
49	DOR.046	O-ring	96 x 3	NBR		1		
50	DOR.072	O-ring	45 x 3	NBR		1		
51	DOR.021	O-ring	24 x 3	NBR		1		
52	DOR.079	O-ring	18.4 x 2.7	NBR		1		
FPM (Option)								
49	DOR.046.VI	O-ring	96 x 3	FPM		1		
50	DOR.072.VI	O-ring	45 x 3	FPM		1		
51	DOR.021.VI	O-ring	24 x 3	FPM		1		
52	DOR.079.VI	O-ring	18.4 x 2.7	FPM		1		

(a Design: S = steel, galvanised; E = stainless steel; L = steel, painted

Hugo Vogelsang Maschinenbau GmbH
Holthöge 10-14
49632 Essen/Oldb.

Phone: +49 (0) 54 34 83 0
Fax: +49 (0) 54 34 83 10

vogelsang-gmbh.com
info@vogelsang-gmbh.com

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