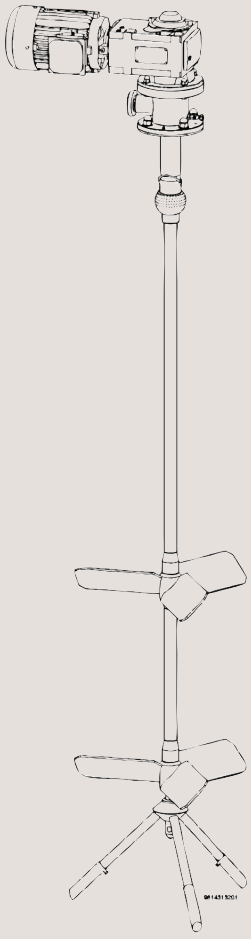
Spare Parts

ALTB-SB-30



ESE03067-EN5 2020-11

Original manual

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The information herein is correct at the time of issue but may be subject to change without prior notice

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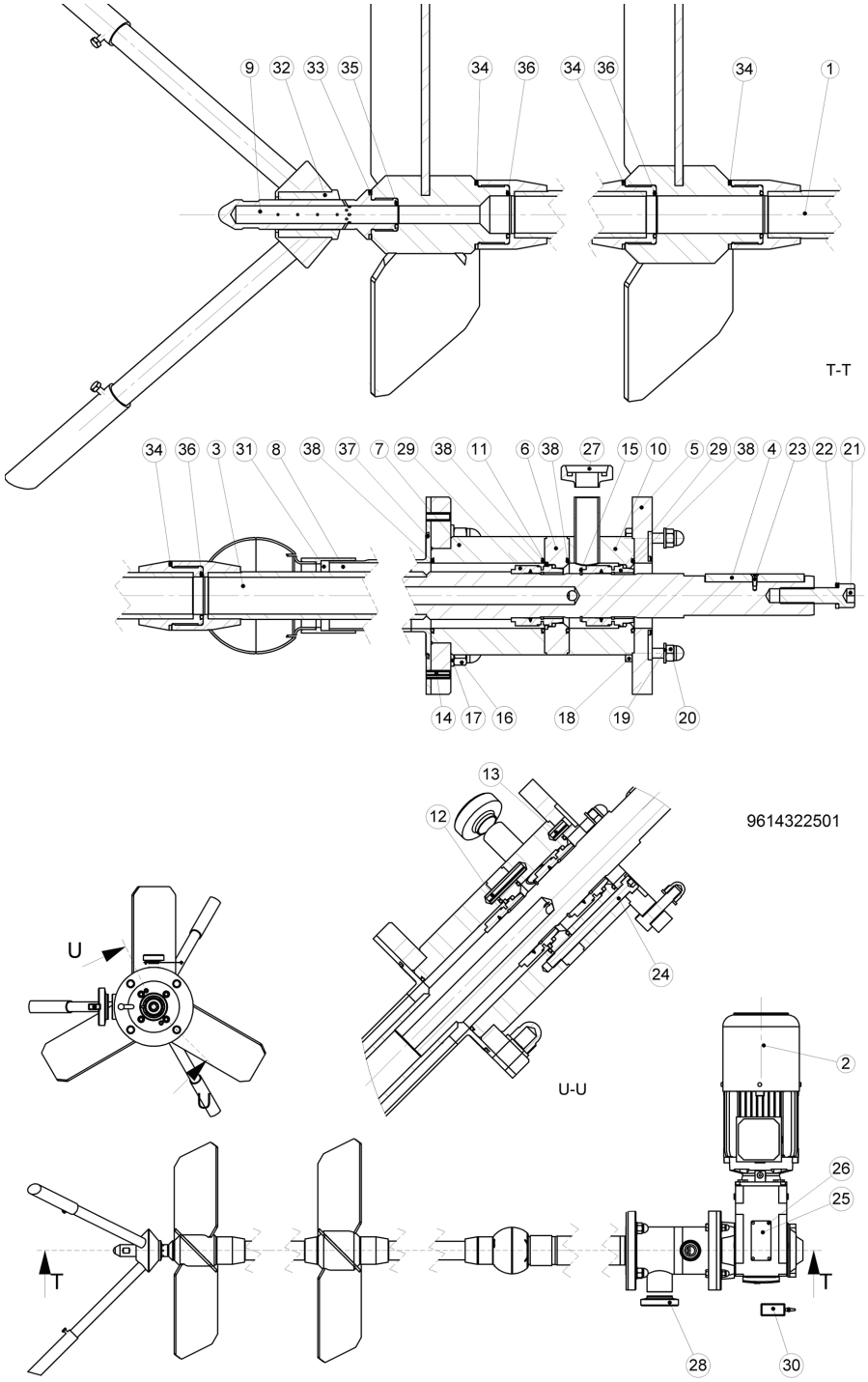
Drawing (item number 9614322101)

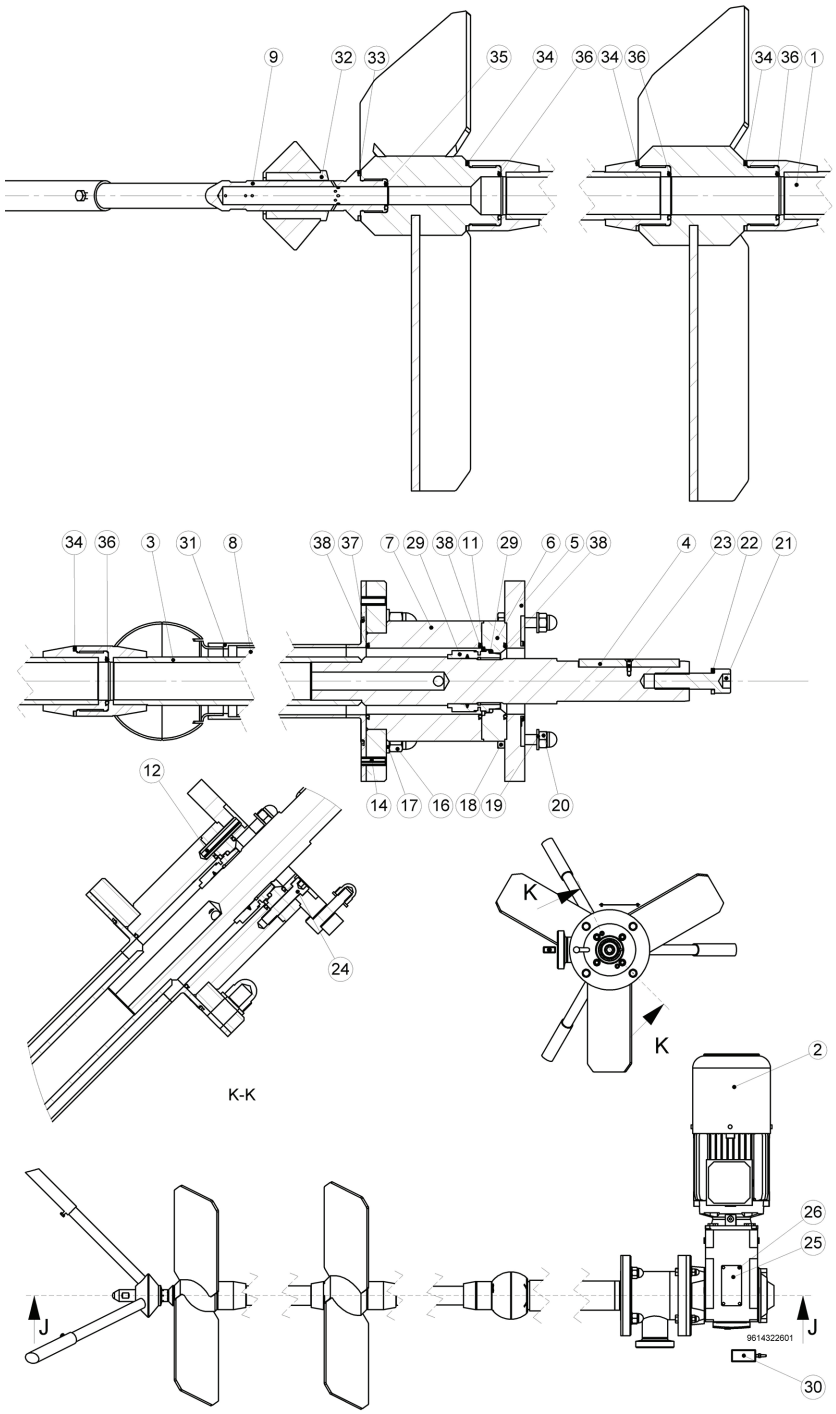


Pos		Qty	Denomination	Item no.	Drawing no.	Materials
Part list (item number 9614322101):						
1		1	Shaft, Propeller and Bottom console, assembly, type 30	See table on drawing*	96143242	See assembly
2		1	Gear motor for type 30	See table on drawing*	96143233	NA
3		1	Gear shaft type 30 with aeration and cleaning ball	9614321001	96143210	134404
4		1	Parallel key	9614313403	96143134	1.4307/1.4301
5		1	Flange, Upper for Agitator	9614318301	96143183	1,4404
6		1	Intermedia coupling welded	9614319701	96143197	1,4404
7		1	Console for Agitator, Welded	9614317901	96143179	1,4404
8		1	Tube, CIP for spray ball	9614318501	96143185	1,4404
9		1	Guide spindle for bearing	9614311101	96143111	1,4404
10		1	Gear console with aeration	9614319301	96143193	1,4404
11		1	Gasket support	9614319201	96143192	1,4404
12		2	Guide Pin	9614313504	96143135	A2
13		2	Guide Pin	9614313503	96143135	A2
14		2	Guide Pin	9614313501	96143135	A2
15		1	Circlip, outer	TE2601000199	None	A2
16		4	Cap nut	TE2601000058	None	A2
17		4	Washer	TE2601000348	None	A2
18		4	Screw	TE2601000630	None	A2
19		4	Washer	TE2601000346	None	A2
20		4	Cap nut	TE2601000355	None	A2
21		1	Screw	TE2601000047	None	A2
22		1	Washer	TE2601000169	None	A4
23		1	Screw	9614171065	None	A2
24		4	Screw	TE2601000631	None	A2
25		1	Name plate	TE2601041560	None	AISI 304L
26		4	Rivet	TE2601000202	None	A2
27		1	NW25	3131800071	None	1,4404
28		1	NW65	3131800111	None	1,4404
29	❑	2	Single Mechanical seal	9614321601	96143216	EN 12756: Y1/Q1/E/G/G
30	❑	1	Loctite® 2701, 10 ml	9614314101	96143141	NA
31	❑	1	Spray ball bearing	9614318901	96143189	PVDF
32	❑	1	Bearing for bottom console	9614311001	96143110	PTFE
33	❑	1	Gasket	9614311802	96143118	PTFE
34	❑	4	Gasket	9614311803	96143118	PTFE
35	❑	1	O-ring	9614312701	96143127	EPDM
36	❑	4	O-ring	9614312702	96143127	EPDM
37	❑	1	O-ring	9614312704	96143127	EPDM
38	❑	4	O-ring	9614312703	96143127	EPDM

* Not part of top level item number - item number must be selected on drawing
Item numbers marked ❑ are included in the Spare part kit

		Item no.
❑	**Spare part kit**	**9614322102**

Drawing (item number 9614322201)

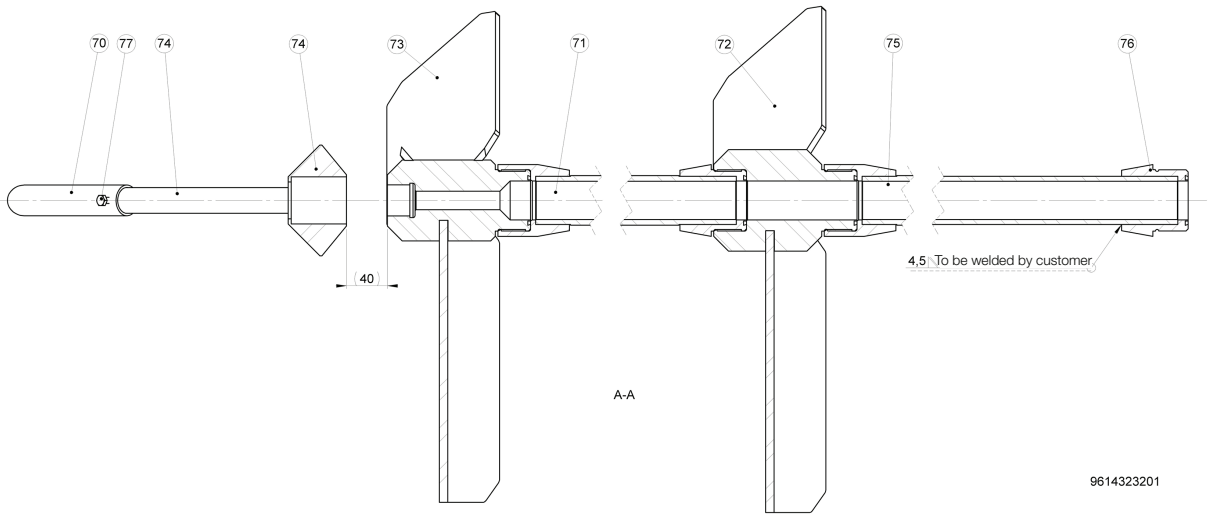


Pos		Qty	Denomination	Item no.	Drawing no.	Materials
Part list (item number 9614322201):						
1		1	Shaft, Propeller and Bottom console, assembly, type 30	See table on drawing*	96143242	See assembly
2		1	Gear motor for type 30	See table on drawing*	96143233	NA
3		1	Gear shaft type 30 without aeration and cleaning ball	9614321401	96143214	14.404
4		1	Parallel key	9614313403	96143134	1.4307/1.4301
5		1	Flange, Upper for Agitator	9614318301	96143183	1,4404
6		1	Intermedia coupling welded	9614319701	96143197	1,4404
7		1	Console for Agitator, Welded	9614317801	96143178	1,4404
8		1	Tube, CIP for spray ball	9614318501	96143185	1,4404
9		1	Guide spindle for bearing	9614311101	96143111	1,4404
11		1	Gasket support	9614319201	96143192	1,4404
12		2	Guide Pin	9614313504	96143135	A2
14		2	Guide Pin	9614313501	96143135	A2
16		4	Cap nut	TE2601000058	None	A2
17		4	Washer	TE2601000348	None	A2
18		4	Screw	TE2601000630	None	A2
19		4	Washer	TE2601000346	None	A2
20		4	Cap nut	TE2601000355	None	A2
21		1	Screw	TE2601000047	None	A2
22		1	Washer	TE2601000169	None	A4
23		1	Screw	9614171065	None	A2
24		4	Screw	9611990352	None	A2
25		1	Name plate	TE2601041560	None	AISI 304L
26		4	Rivet	TE2601000202	None	A2
29	❑	1	Single Mechanical seal	9614321601	96143216	EN 12756: Y1/Q1/E/G/G
30	❑	1	Loctite® 2701, 10 ml	9614314101	96143141	NA
31	❑	1	Spray ball bearing	9614318901	96143189	PVDF
32	❑	1	Bearing for bottom console	9614311001	96143110	PTFE AF 1022 / Acoflour 809
33	❑	1	Gasket	9614311802	96143118	PTFE
34	❑	4	Gasket	9614311803	96143118	PTFE
35	❑	1	O-ring	9614312701	96143127	EPDM
36	❑	4	O-ring	9614312702	96143127	EPDM
37	❑	1	O-ring	9614312704	96143127	EPDM
38	❑	3	O-ring	9614312703	96143127	EPDM

* Not part of top level item number - item number must be selected on drawing
Item numbers marked ❑ are included in the Spare part kit

		Item no.
❑	**Spare part kit**	**9614322202**

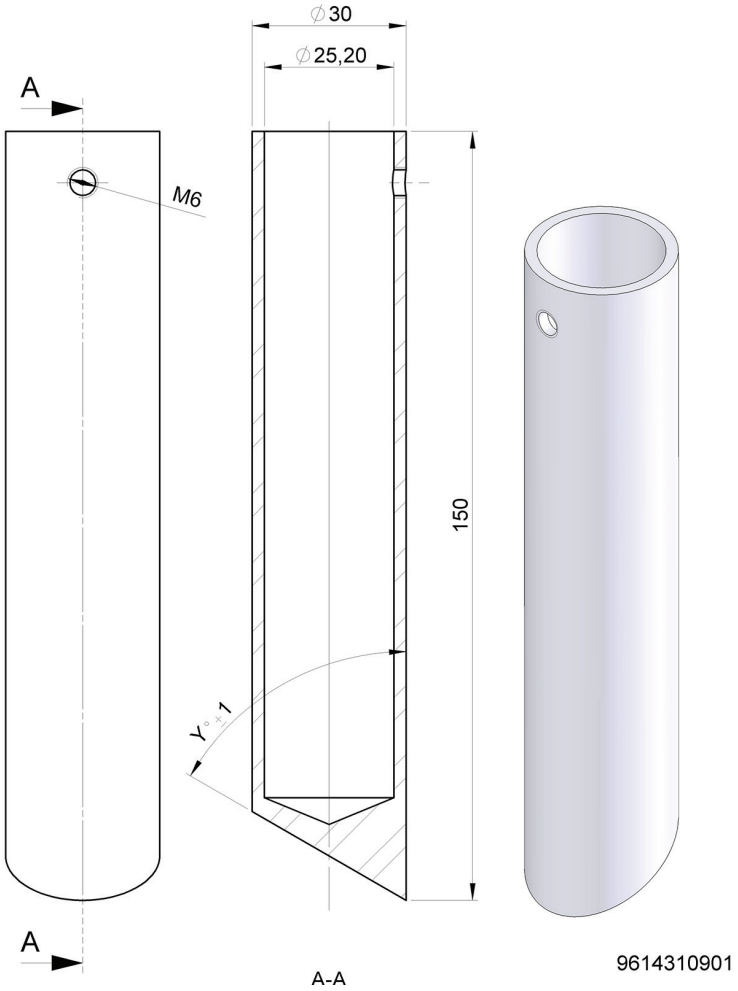
Shaft, Propeller and Bottom console assembly, Drawing (Item number 9614324201):



Pos	Qty	Denomination	Item no.	Drawing no.	Material
Shaft, Propeller and Bottom console assembly, Part List (Item number 9614324201):					
Pos.	Qty.	Denomination	Item No.	Drawing No.	Material
70	3	Adjustable leg for bottom console	See table on drawing*	96143109	1,4404
71	1	Agitator shaft, Welded	See table on drawing*	96143204	See assembly
72	1	Propeller for agitator, Type 30, Upper	See table on drawing*	96143199	See assembly
73	1	Propeller for agitator, Type 30, Bottom	See table on drawing*	96143202	See assembly
74	1	Bottom console for agitator, Type 20 + 30	See table on drawing*	96143106	See assembly
75	1	Agitator shaft, Welded	See table on drawing*	96143208	See assembly
76	1	Shaft male connection	9614320601	96143206	1,4404
77	3	Screw	TE2601000098	None	A2

* Not part of top level item number - item number must be selected on drawing

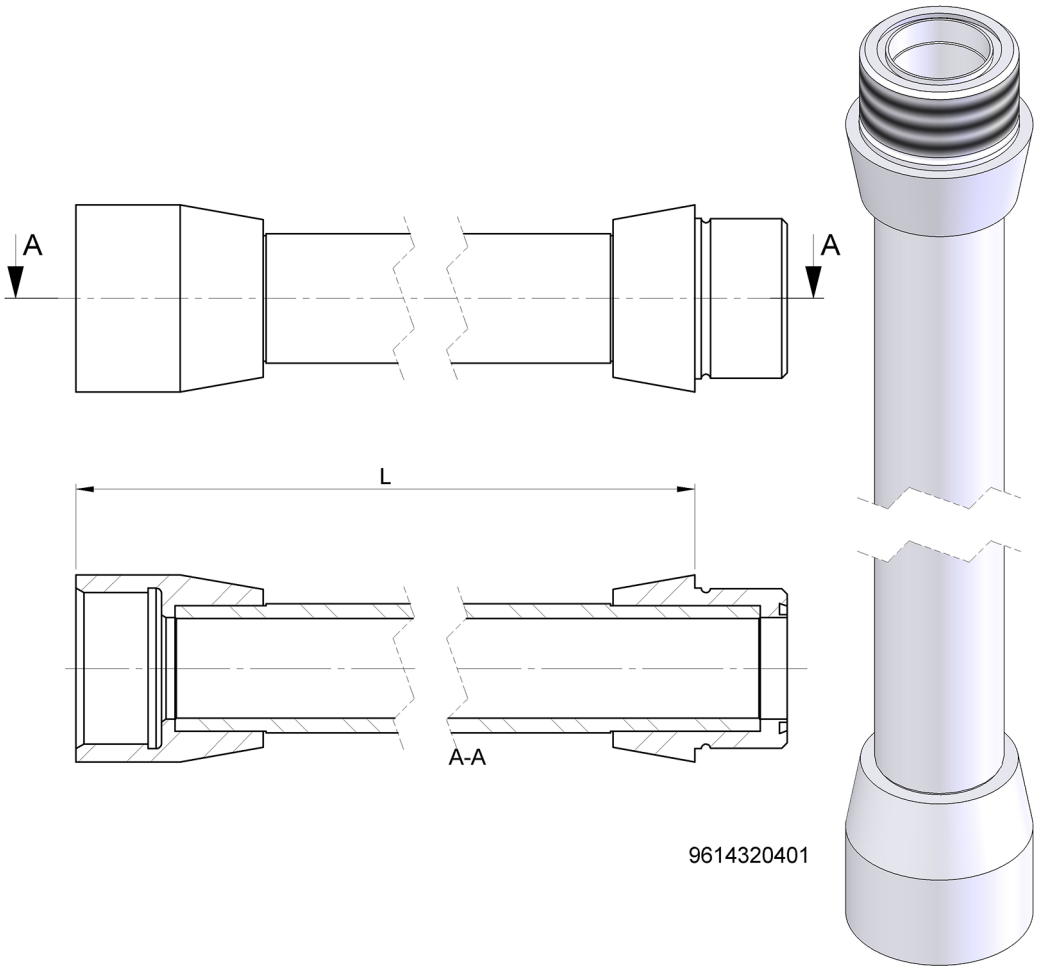
Adjustable leg for bottom console, Drawing (Drawing number 9614324109):



Adjustable leg for bottom console, Variants (Drawing number 9614324109):

Item No.	Drawing No.	Y / [°]
9614310901	96143109	90,0
9614310902	96143109	87,5
9614310903	96143109	85,0
9614310904	96143109	82,5
9614310905	96143109	80,0
9614310906	96143109	77,5
9614310907	96143109	75,0
9614310908	96143109	72,5
9614310909	96143109	70,0
9614310910	96143109	67,5
9614310911	96143109	65,0
9614310912	96143109	62,5
9614310913	96143109	60,0

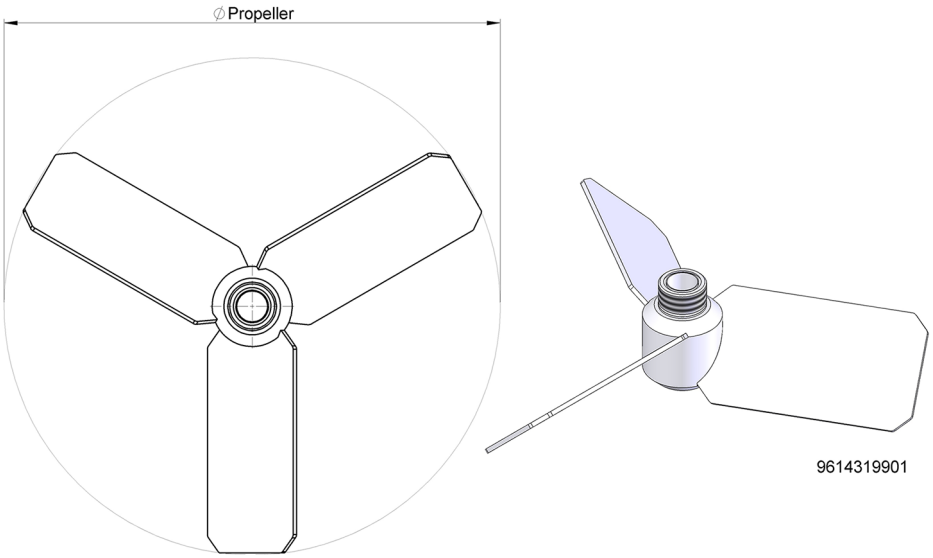
Agitator shaft, welded, Drawing (Drawing number 96143204):



Agitator shaft, welded, Variants (Drawing number 96143204):

Item No.	Drawing No.	L / [mm]
9614320401	96143204	800
9614320402	96143204	900
9614320403	96143204	1000
9614320404	96143204	1100
9614320405	96143204	1200
9614320406	96143204	1300
9614320407	96143204	1400
9614320408	96143204	1500
9614320409	96143204	1600
9614320410	96143204	1700
9614320411	96143204	1800
9614320412	96143204	1900
9614320413	96143204	2000
9614320414	96143204	2100
9614320415	96143204	2200
9614320416	96143204	2300
9614320417	96143204	2400
9614320418	96143204	2500
9614320419	96143204	2600

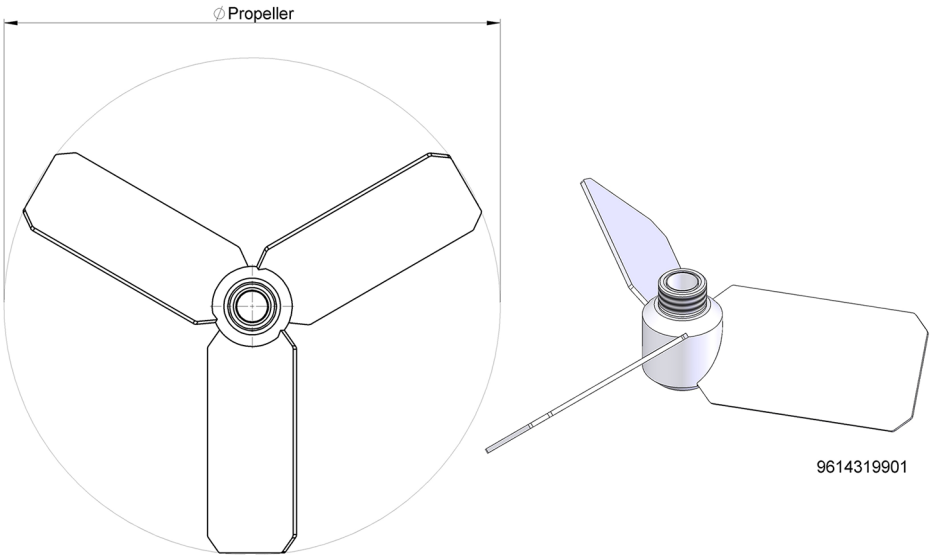
Propeller, Upper, Drawing (Drawing number 96143199):



Propeller, Upper, Variants (Drawing number 96143199):

Item No.	Drawing No.	ØPropeller / [mm]
9614319901	96143199	614
9614319902	96143199	664
9614319903	96143199	713
9614319904	96143199	763
9614319905	96143199	813
9614319906	96143199	863
9614319907	96143199	912
9614319908	96143199	962
9614319909	96143199	1012
9614319910	96143199	1062
9614319911	96143199	1112

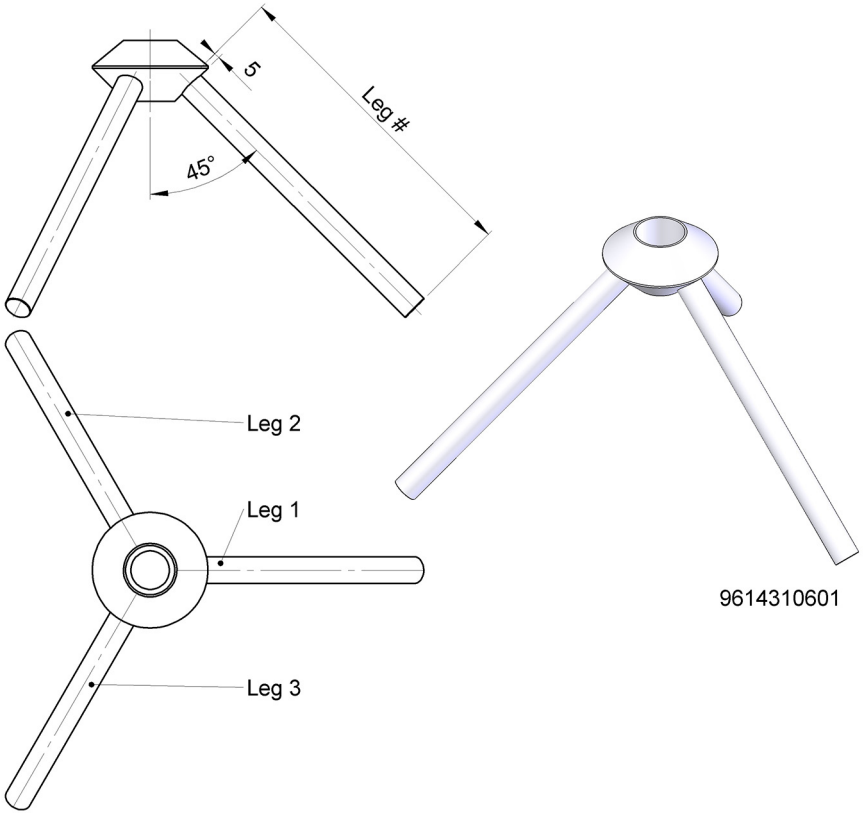
Propeller, Bottom, Drawing (Drawing number 96143202):



Propeller, Bottom, Variants (Drawing number 96143202):

Item No.	Drawing No.	ØPropeller / [mm]
9614320201	96143202	594
9614320202	96143202	644
9614320203	96143202	693
9614320204	96143202	743
9614320205	96143202	793
9614320206	96143202	843
9614320207	96143202	892
9614320208	96143202	942
9614320209	96143202	992
9614320210	96143202	1042
9614320211	96143202	1092

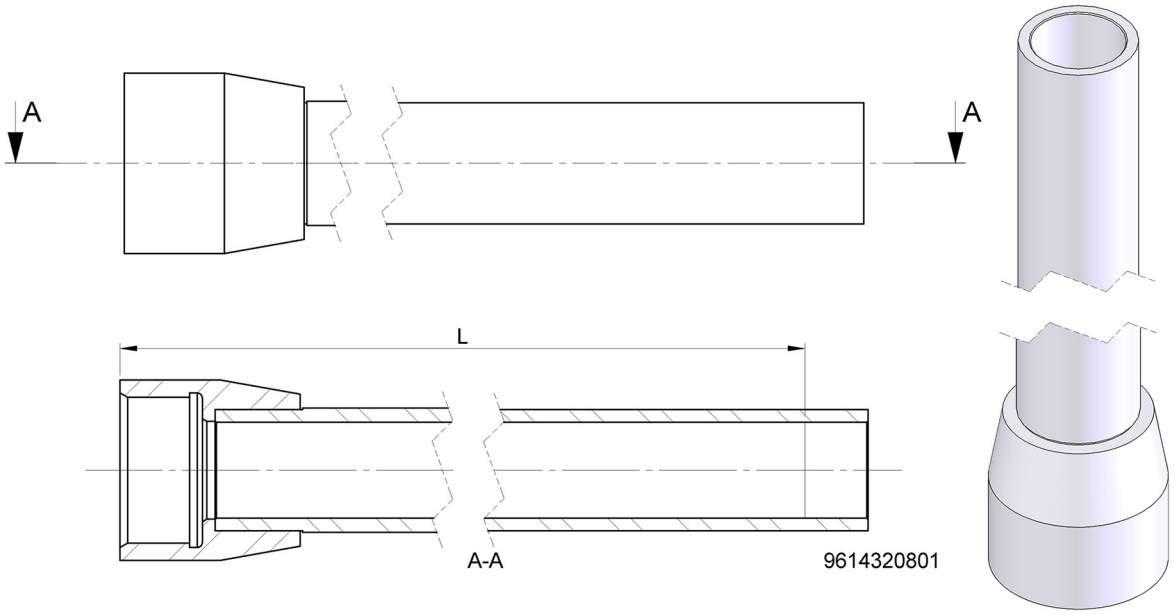
Bottom Console for Agitator, Drawing (Drawing number 96143106):



Bottom Console for Agitator, Variants (Drawing number 96143106):

Item No.	Drawing No.	Leg 1 (mm)	Leg 2 (mm)	Leg 3 (mm)	Item No.	Drawing No.	Leg 1 (mm)	Leg 2 (mm)	Leg 3 (mm)
9614310601	96143106	200	200	200	9614310642	96143106	700	700	600
9614310602	96143106	300	300	200	9614310643	96143106	800	800	600
9614310603	96143106	400	400	200	9614310644	96143106	900	900	600
9614310604	96143106	500	500	200	9614310645	96143106	1000	1000	600
9614310605	96143106	600	600	200	9614310646	96143106	200	200	700
9614310606	96143106	700	700	200	9614310647	96143106	300	300	700
9614310607	96143106	800	800	200	9614310648	96143106	400	400	700
9614310608	96143106	900	900	200	9614310649	96143106	500	500	700
9614310609	96143106	1000	1000	200	9614310650	96143106	600	600	700
9614310610	96143106	200	200	300	9614310651	96143106	700	700	700
9614310611	96143106	300	300	300	9614310652	96143106	800	800	700
9614310612	96143106	400	400	300	9614310653	96143106	900	900	700
9614310613	96143106	500	500	300	9614310654	96143106	1000	1000	700
9614310614	96143106	600	600	300	9614310655	96143106	200	200	800
9614310615	96143106	700	700	300	9614310656	96143106	300	300	800
9614310616	96143106	800	800	300	9614310657	96143106	400	400	800
9614310617	96143106	900	900	300	9614310658	96143106	500	500	800
9614310618	96143106	1000	1000	300	9614310659	96143106	600	600	800
9614310619	96143106	200	200	400	9614310660	96143106	700	700	800
9614310620	96143106	300	300	400	9614310661	96143106	800	800	800
9614310621	96143106	400	400	400	9614310662	96143106	900	900	800
9614310622	96143106	500	500	400	9614310663	96143106	1000	1000	800
9614310623	96143106	600	600	400	9614310664	96143106	200	200	900
9614310624	96143106	700	700	400	9614310665	96143106	300	300	900
9614310625	96143106	800	800	400	9614310666	96143106	400	400	900
9614310626	96143106	900	900	400	9614310667	96143106	500	500	900
9614310627	96143106	1000	1000	400	9614310668	96143106	600	600	900
9614310628	96143106	200	200	500	9614310669	96143106	700	700	900
9614310629	96143106	300	300	500	9614310670	96143106	800	800	900
9614310630	96143106	400	400	500	9614310671	96143106	900	900	900
9614310631	96143106	500	500	500	9614310672	96143106	1000	1000	900
9614310632	96143106	600	600	500	9614310673	96143106	200	200	1000
9614310633	96143106	700	700	500	9614310674	96143106	300	300	1000
9614310634	96143106	800	800	500	9614310675	96143106	400	400	1000
9614310635	96143106	900	900	500	9614310676	96143106	500	500	1000
9614310636	96143106	1000	1000	500	9614310677	96143106	600	600	1000
9614310637	96143106	200	200	600	9614310678	96143106	700	700	1000
9614310638	96143106	300	300	600	9614310679	96143106	800	800	1000
9614310639	96143106	400	400	600	9614310680	96143106	900	900	1000
9614310640	96143106	500	500	600	9614310681	96143106	1000	1000	1000
9614310641	96143106	600	600	600					

Agitator shaft, welded, Drawing (Drawing number 96143208):



Agitator shaft, welded, Variants (Drawing number 96143208):

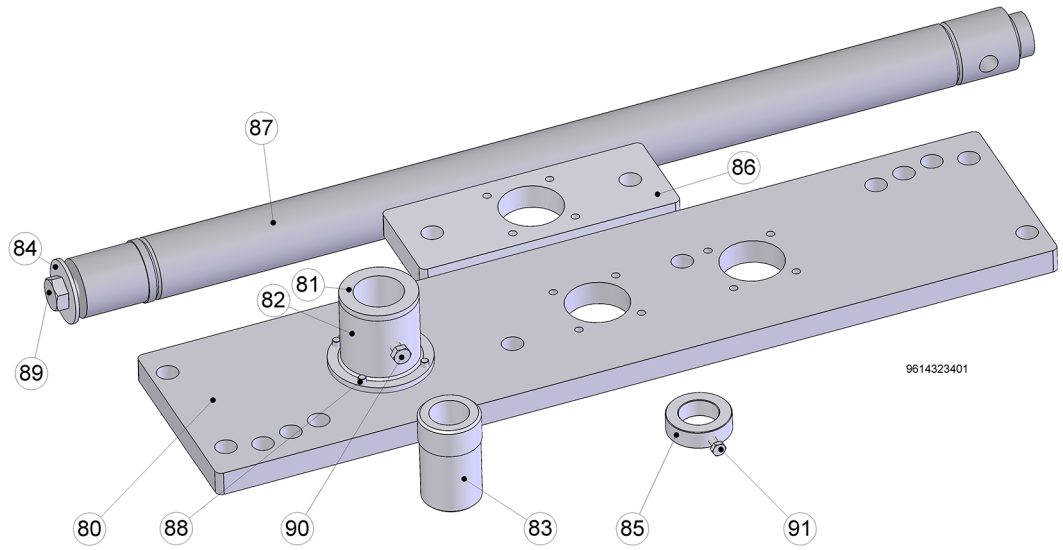
Item No.	Drawing No.	L / [mm]
9614320801	96143208	1200
9614320802	96143208	1400
9614320803	96143208	1600
9614320804	96143208	1800
9614320805	96143208	2000
9614320806	96143208	2200
9614320807	96143208	2400
9614320808	96143208	2600
9614320809	96143208	2800
9614320810	96143208	3000
9614320811	96143208	3200
9614320812	96143208	3400
9614320813	96143208	3600

Gear motor, Variants (Drawing number 96143233):

Gear motor specification:	
Type:	High efficient Helical Bevel
Shaft material:	1,4057
Motor temperature Protection:	PTC resistor, 3x155°C
Motor backstop:	Yes
Lubrication type*:	Food-compatible oil ISI VG 220
Lubrication supplier*:	Klüber
Lubrication classification*:	CLP PG H1 220
Lubrication quantity:	1,2 ltr
Surface color:	RAL 5010
Surface treatment:	Pain coat 3,0, 110-150 µm
Surface corrosion class:	EN 12944, C2
Labelling:	CE and CEL

**For more information and certificate see 8.5 of ALTB-SB-30 Instruction Manual.*
Please contact Alfa Laval if a new gear motor is required. In this way it is ensured that the new gear motor fulfils all local legislation.

Mounting Tool, Drawing (Drawing number 96143115):



The mounting tool must be used for correct installation of ALTB-SB-20 (the same tool can also be used for ALTB-SB-30). The tool is able to be used on top flanges / welding flanges with M16 screws (the holes are Ø17mm) positioned with the following bolt circles:

- 16 holes in: Ø500 mm, Ø550 mm, Ø600 mm
- 20 holes in: Ø600 mm, Ø650 mm, Ø660 mm

Pos	Qty	Denomination	Item no.	Drawing no.	Materials
Mounting Tool, Parts List (Item number 9614311501):					
80	1	Tool - Guide plate	9614312401	96143124	Aluminium 6061 Alloy
81	1	Tool - Top Guide type 20	9614312201	96143122	Aluminium 6061 Alloy
82	1	Tool - Top Guide type 30	9614312301	96143123	Aluminium 6061 Alloy
83	1	Tool - Bushing	9614311601	96143116	Aluminium 6061 Alloy
84	1	Washer	9614310201	96143102	A2
85	1	Tool - Back stop	9614311701	96143117	Aluminium 6061 Alloy
86	1	Tool - Guide plate, small	9614312501	96143125	Aluminium 6061 Alloy
87	1	Tool - Mounting shaft welded	9614313101	96143131	Aluminium 6061 Alloy
88	4	Screw	2601000641	None	A2
89	1	Screw	2601000563	None	A2
90	1	Screw	2601000389	None	A2
91	1	Screw	2601000564	None	A2

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Contact details for all countries are
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