

SB 1000-109**Parts List and Technical Data for Hand Pump (Art.-No. 4000474)**

2018-04-25

Rev. B

1 Scope and Target Group

 WARNING

- ✓ Always refer to the user manual for additional information and safety warnings.
- ✓ Only perform this task if you are qualified to carry out the steps described below.
- ✓ Always make sure that the tasks described in this bulletin are intended for the equipment you are working on.
- ✓ If you are unsure about the workflow, steps or qualification, contact your TTS aftersales service contact.

Your aftersales service contact:

TTS Marine GmbH
An der Reeperbahn 6
D-28217 Bremen
Germany

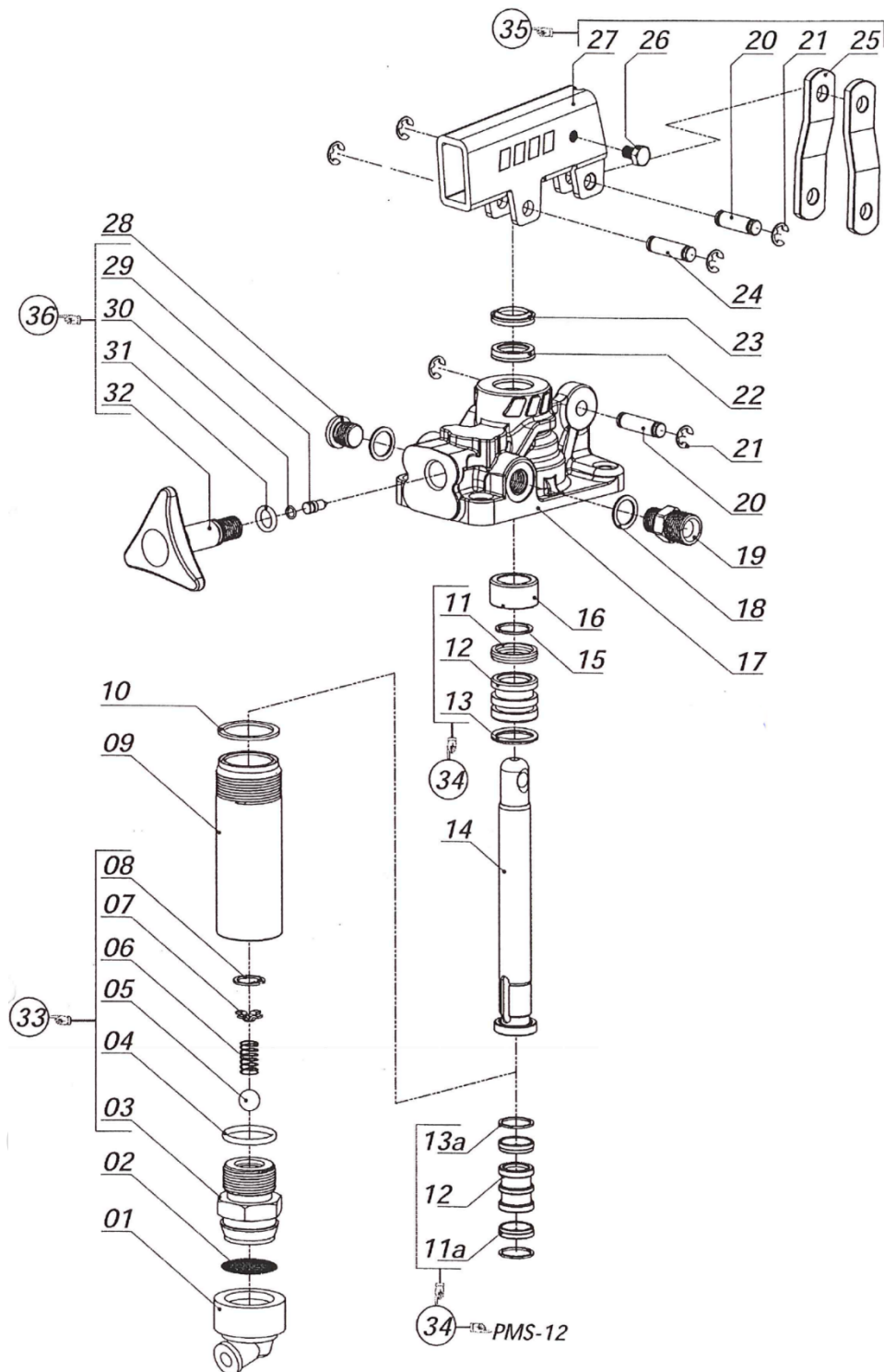
Telephone: +49(421) 520 08-0
Telefax : +49(421) 52008-749
E-Mail: service@ttsgroup.com

Spare Parts

Item	Description	Art.-No.	Picture
A	Seal kit	4025524	No picture available
B	Mounting plate for tank PMS/PMI	Upon request	
C	Lever for PMS/PMI, length 600 mm, 35x15	4037242	
D	Return spring for PMS	Upon request	
E	Mounting kit for pumps PMS/PMI	4048202	
F	Dipstick	4027673	No picture available
G	Oil tank	4036815	No picture available
H	Oil level gauge	4039180	No picture available
33	Suction valve kit	4027672	
34	Piston assembly	4032094	
35	Hand lever holder kit	4026878	
36	Lowering valve kit	4026879	

Item	Description	Art.-No.
1	Suction cap	Upon request
2	Steel strainer	Upon request
3	Suction valve casing	Upon request
4	O-ring	4049133
5	Ball	Upon request
6	Spring for suction valve	Upon request
7	Spring guide	Upon request
8	Circlip	Upon request
9	Steel stem	4039496
10	Washer	4056214
11	Special gasket	4039071
12	Piston	4049474
13	O-ring	4039072
14	Piston rod	4028370
15	Circlip	4037693
16	Spacer	4037696
17	Hand pump housing	4028371
18	Washer	4049277
19	Pressure nipple	4056215
20/21	Gudgeon pin 26 mm with circlip	4045772
22	Lip seal	4032096
23	Wiper seal	4032095
24	Gudgeon pin	5003765
25	Brackets	Upon request
26	Locking lever screw	Upon request
27	Lever holder	Upon request
28	Pressure port plug	4048205
29	Pin	Upon request
30	O-ring	Upon request
31	O-ring	Upon request
32	Lowering wheel	Upon request

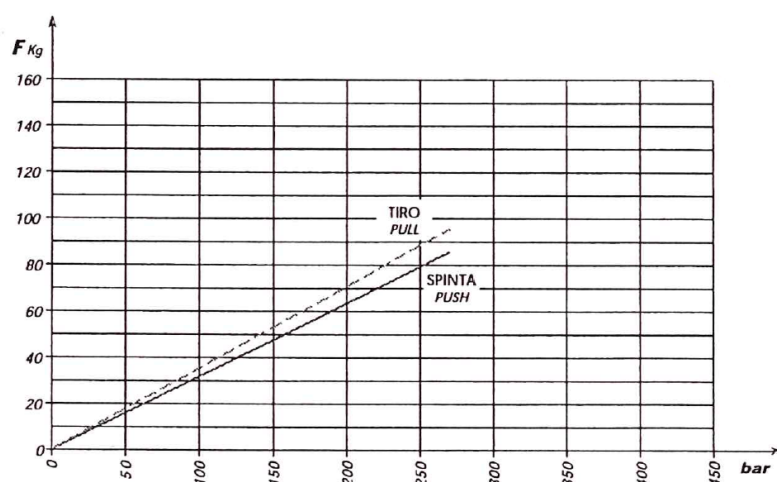
2 Technical Drawing



3 Technical Data

Technical data					
Pump type	Max. pressure setting	Displacement (cm ³)			Weight kg
		Full	Pull	Push	
45	270	45	23.7	21.3	3.2

Load chart while pumping with standard lever



Hydraulic fluid	Mineral or synthetic compatible with the following seals: NBR, FKM, FPM, Nylon				
Suggested kinematic viscosity	Average ambient temperature (°C)	<-10	-10÷10	10÷35	>35
	VG (cSt = mm ² /s)	22	32	46	68
Inlet pressure			-32 ÷ 2 bar		