GRIEGER

Hydraulik

Hydraulics

Zahnradpumpen V = 4 - 22.5 ccm

Gear Pumps V = 4 - 22.5 ccm

Ausgabe 03.09
Version

Bestnr. 101 007 ...
Order codes

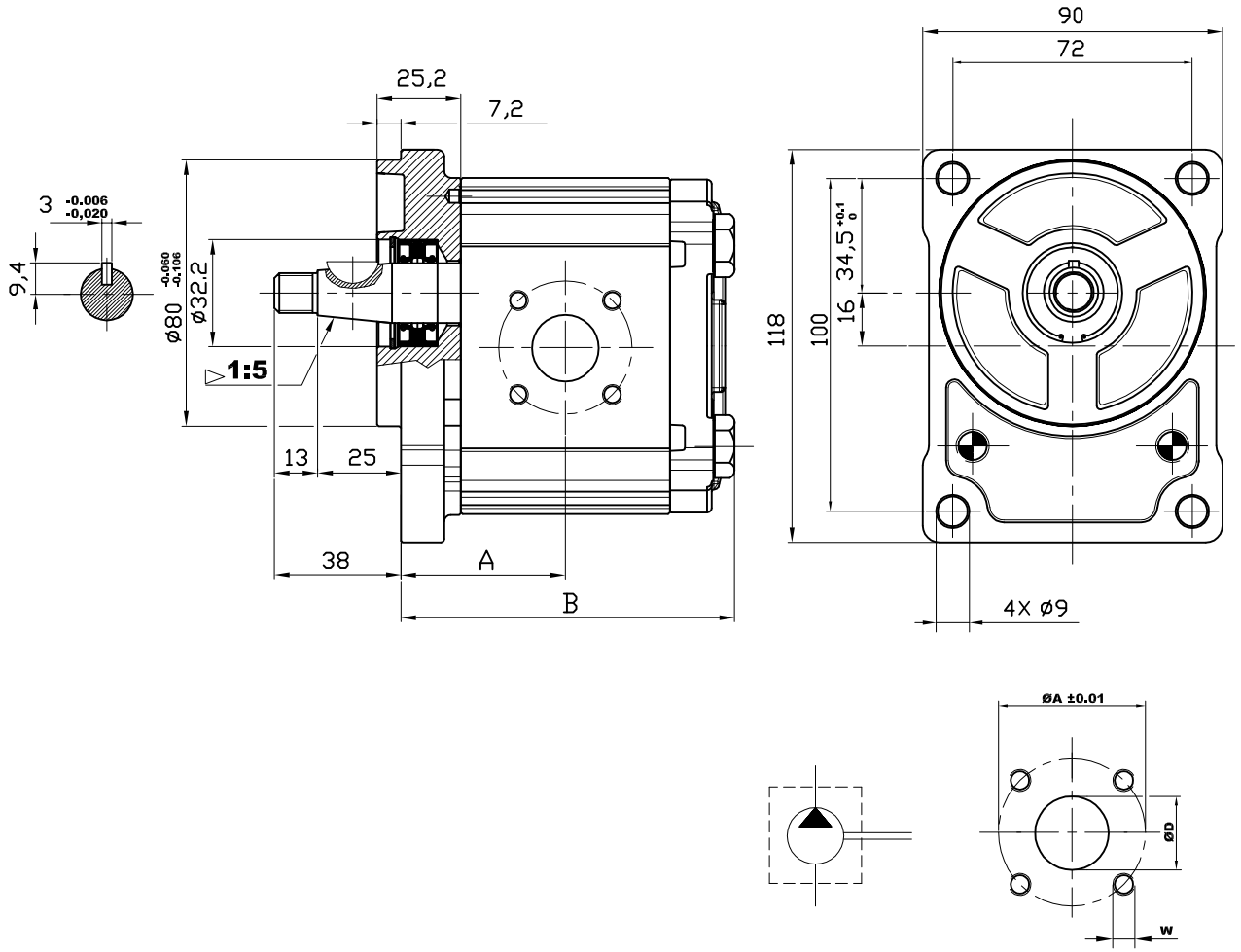
1.1.1.2

1. max. 250 bar Dauerdruck
2. Aluminiumgehäuse
3. Pumpendeckel aus Stahlguss
4. verschiedene Flanschausführungen
5. verschiedene Wellenausführungen
6. Mehrfach-Pumpen verfügbar

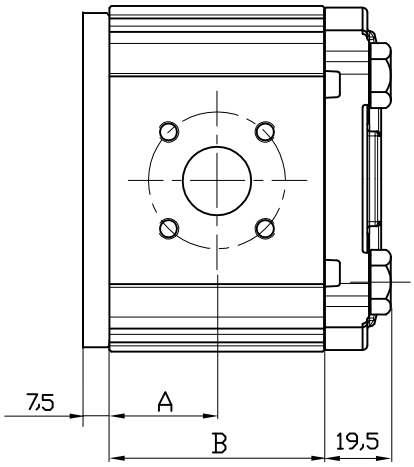
1. max. 250 bar countinuous pressure
2. Aluminium body
3. Cast iron pump covers
4. Multiple flange designs
5. Multiple shaft designs
6. Multiple pumps available

Kenngrößen	Specification	
Allgemein	**General**	
Außenzahnradpumpe	External gear pump	
Einbaulage beliebig	Any mounting position	
Umgebungstemperatur	Ambient temperature	-20 ºC to +50 ºC
Gewinde- o. Flanschanschlüsse	Flanged or threaded ports	
Flanschbefestigung	Flange mounting	
Hydraulisch	**Hydraulic**	
für Hydrauliköle auf Mineralölbasis nach (andere Medien auf Anfrage)	for Mineral oil based hydraulic fluids according to (other fluids on request)	ISO 6743-4
Druckmitteltemperaturbereich	Fluid temperature range	-20 ºC to +80 ºC
Viskositätsbereich	Viscosity range	10-400 cSt
Empfohlene Viskosität	Recommended viscosity	25 cSt
Zulässige Ölverschmutzungsklasse	Permitted oil contamination class	10 (NAS 1638)
NBR-Dichtungen Standart FPM-Dichtungen auf Anfrage	NBR seals standard FPM seals on request	
Durchflussrichtung gemäß Sinnbild	Flow direction as per symbol	
Druck im Sauganschluss	Inlet pressure	0.7 bar to 3 bar (absol.)

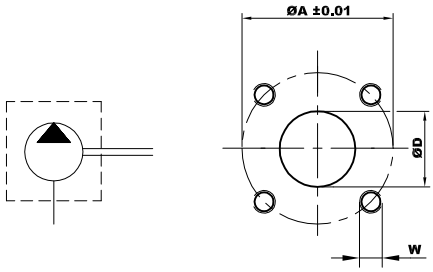
Volumen / Displacement	Max. Working Pressure	Max. Peak Pressure	Max. Speed	Min. Speed
4.1	250	300	4000	On request
6.2	250	300	3500	On request
8.2	250	300	3500	On request
11.2	250	300	3500	On request
14.0	240	300	3000	On request
16.0	240	300	3000	On request
20.0	200	240	3000	On request
22.5	170	210	2500	On request



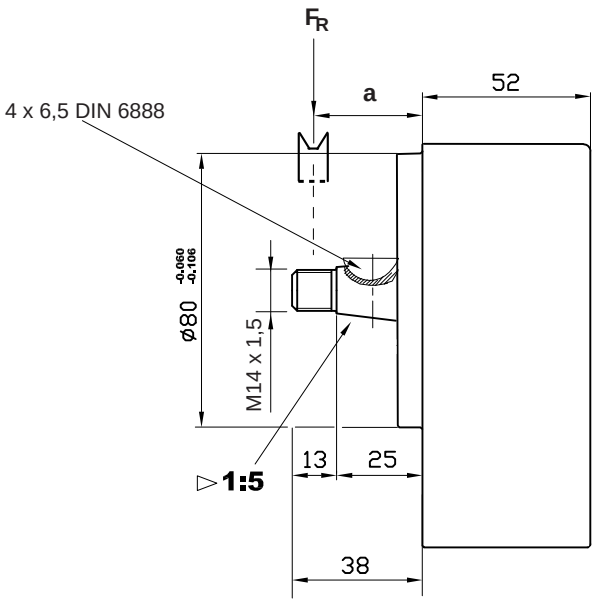
Vol.	Maß		Sauganschluss			Druckanschluss			Gew.	Umdrehung	
Displ.	Dimensions		Inlet Port			Outlet Port			Mass	Rotation	
ccm	mm		mm			mm			Kg	Rechts / Clockw.	Links / Anticl.
	A	B	ØD	ØA	W	ØD	ØA	W		101 007 ...	
4.1	42.0	85.5	20	40	M6	15	35	M6	2.80	025	037
6.2	43.5	88.5							2.85	026	038
8.2	45.0	91.5							2.90	027	039
11.2	47.2	95.8							3.00	028	040
14.0	49.2	99.8							3.40	030	042
16.0	50.6	102.7							3.60	031	043
20.0	53.5	108.5							3.80	032	044
22.5	59.4	120.2							3.95	033	045

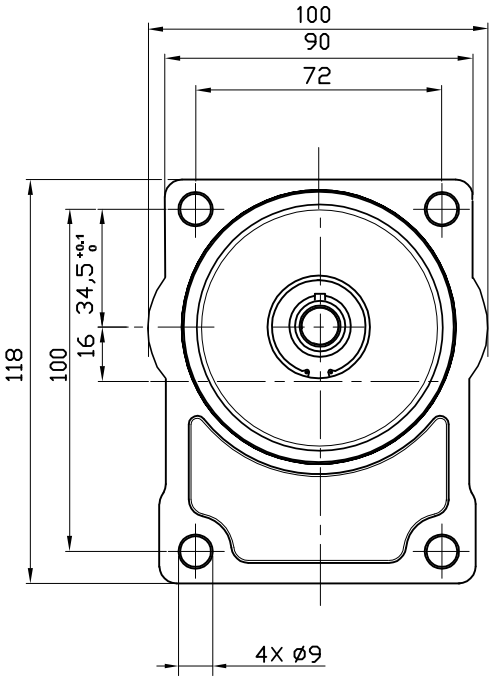


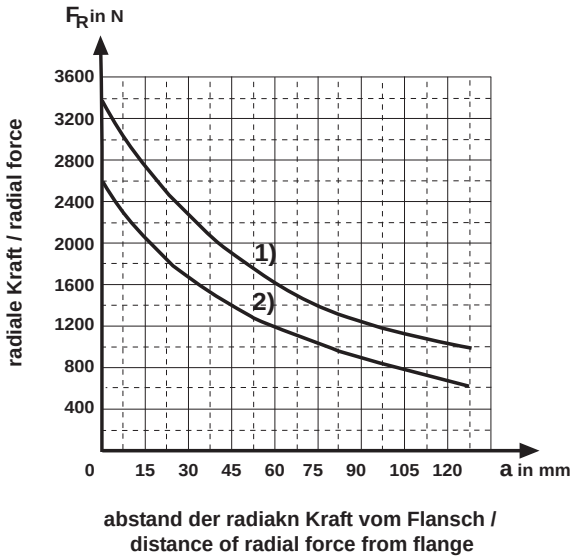
Lieferumfang: Pumpe, Verbindungswelle, Zwischenflansch Nicht im Lieferumfang: 4 Montageschrauben
Scope of delivery: Pump, connecting shaft, intermediate flange Not included: 4 mounting srews



Vol.	Maß		Sauganschluss			Druckanschluss			Gew.	Umdrehung	
Displ.	Dimensions		Inlet Port			Outlet Port			Mass	Rotation	
ccm	mm		mm			mm			Kg	Rechts / Clockw.	Links / Anticl.
	A	B	ØD	ØA	W	ØD	ØA	W		101 007 ...	
4.1	24.0	48.0	20	40	M6	15	35	M6	2.40	142	150
6.2	25.5	51.0							2.45	143	151
8.2	27.0	54.0							2.50	144	152
11.2	29.2	58.3							2.60	145	153
14.0	31.2	62.3							2.80	146	154
16.0	32.6	65.2							3.00	147	155
20.0	35.5	71.0							3.20	148	156
22.5	41.4	82.7							3.40	149	157





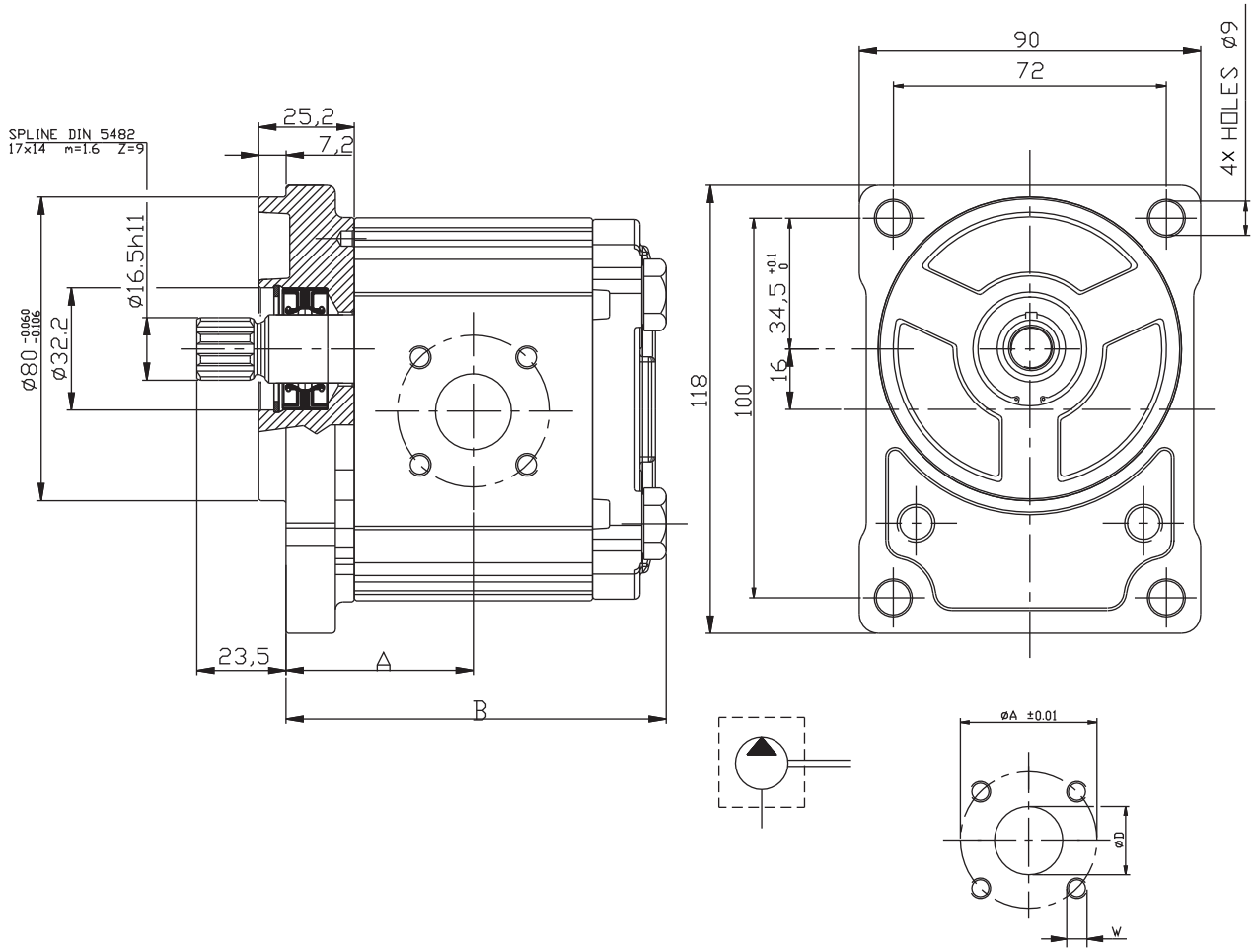


abstand der radiakn Kraft vom Flansch /
distance of radial force from flange

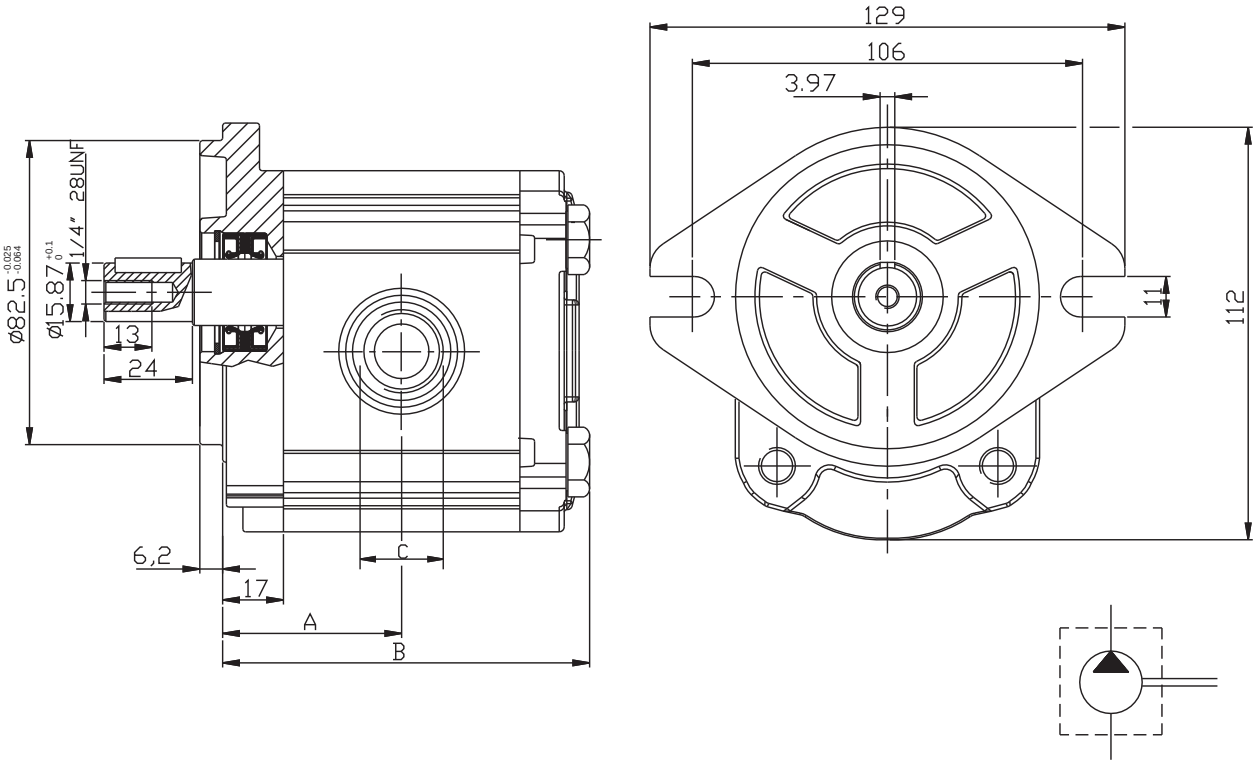
1) No axial force / Keine axiale Kraft
2) Axial force 1200 N / axiale Kraft 1200 N

Bestellnr. / Order Code

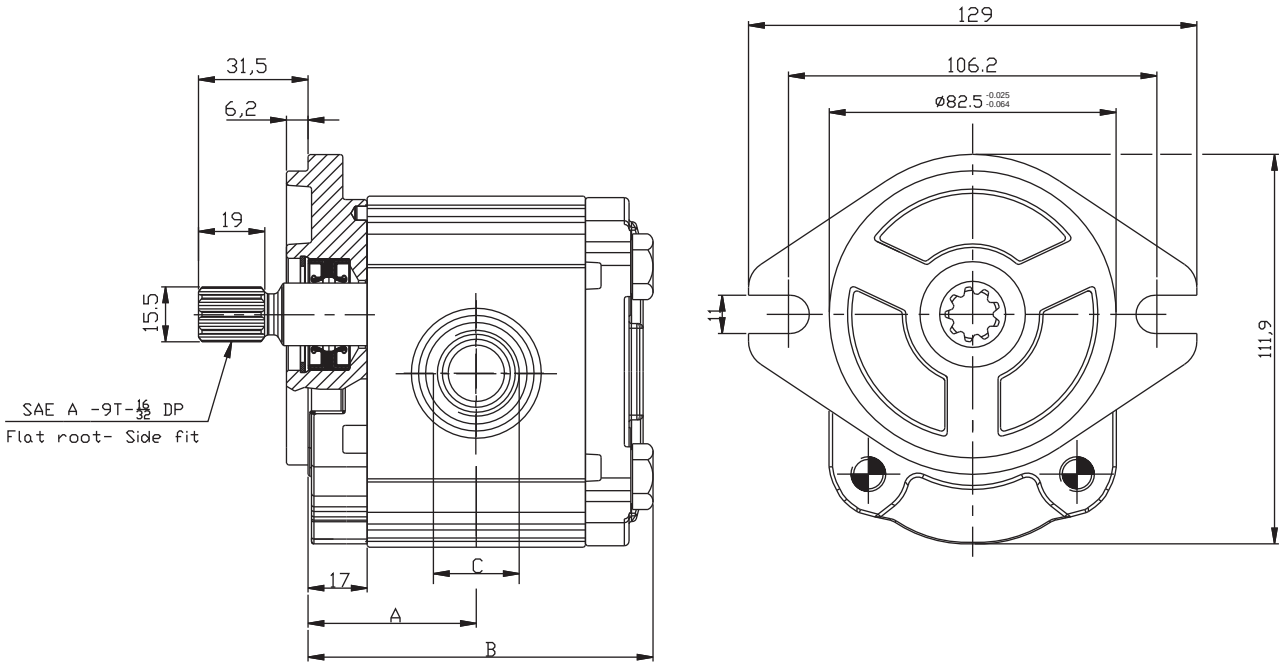
Kompletter Bausatz, inkl. Wellenadapter zur Standardwelle 1:5	101 023 037
Complete set, including shaft adaptor to standard shaft 1:5	



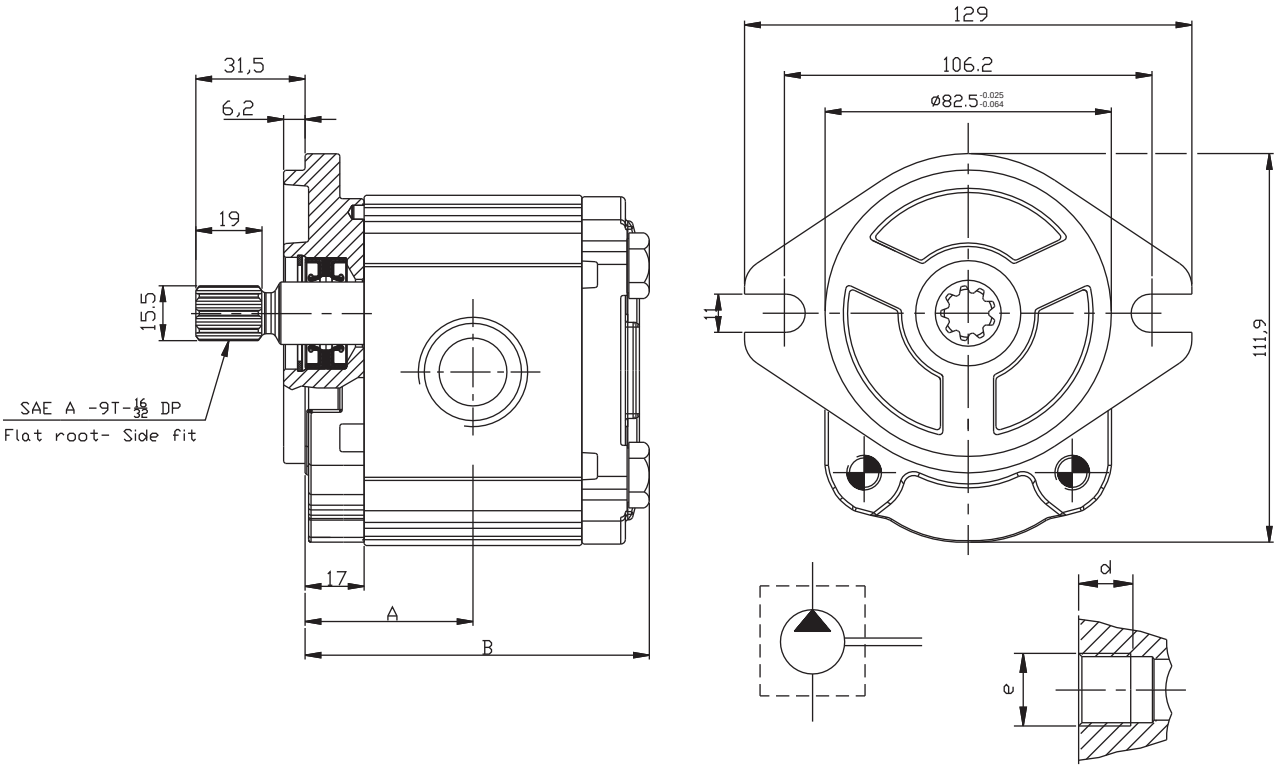
Vol.	Maß		Sauganschl.			Druckanschl.			Gew.	Umdrehung	
Displ.	Dimensions		Inlet Port			Outlet Port			Mass	Rotation	
ccm	mm		mm			mm			Kg	Rechts / Clockw.	Links / Anticl.
	A	B	ØD	ØA	W	ØD	ØA	W		101 007 ...	
4.1	42.0	85.5	20	40	M6	15	35	M6	2.80	049	061
6.2	43.5	88.5							2.85	050	062
8.2	45.0	91.5							2.90	051	063
11.2	47.2	95.8							3.00	052	064
14.0	49.2	99.8							3.40	054	066
16.0	50.6	102.7							3.60	055	067
20.0	53.5	108.5							3.80	056	068
22.5	59.4	120.2							3.95	057	069



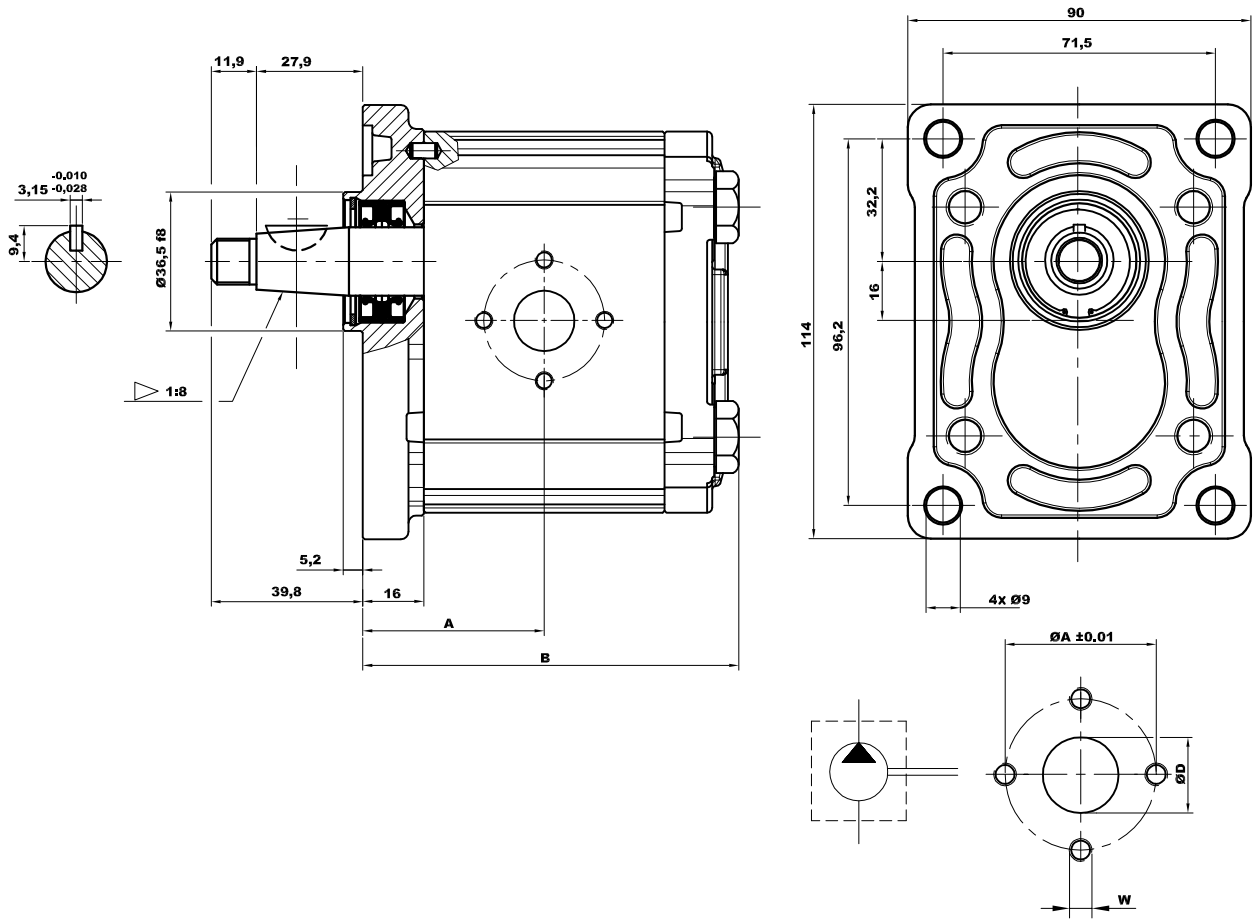
Vol.	Maß		Sauganschluss	Druckanschluss	Gew.	Umdrehung	
Displ.	Dimensions		Inlet Port	Outlet Port	Mass	Rotation	
ccm	mm				Kg	Rechts / Clockw.	Links / Anticl.
	A	B	C	C		101 007 ...	
4.1	41.0	84.5	7/8-14 UNF-2B	7/8-14 UNF-2B	2.80	073	084
6.2	42.5	87.5			2.85	074	085
8.2	44.0	90.5			2.90	075	086
11.2	46.2	94.8			3.00	076	087
14.0	48.2	98.8	1-1/16-12UNF-2B		3.40	077	088
16.0	49.6	101.7			3.60	078	089
20.0	52.5	107.5			3.80	079	090
22.5	58.4	119.2			3.95	080	091



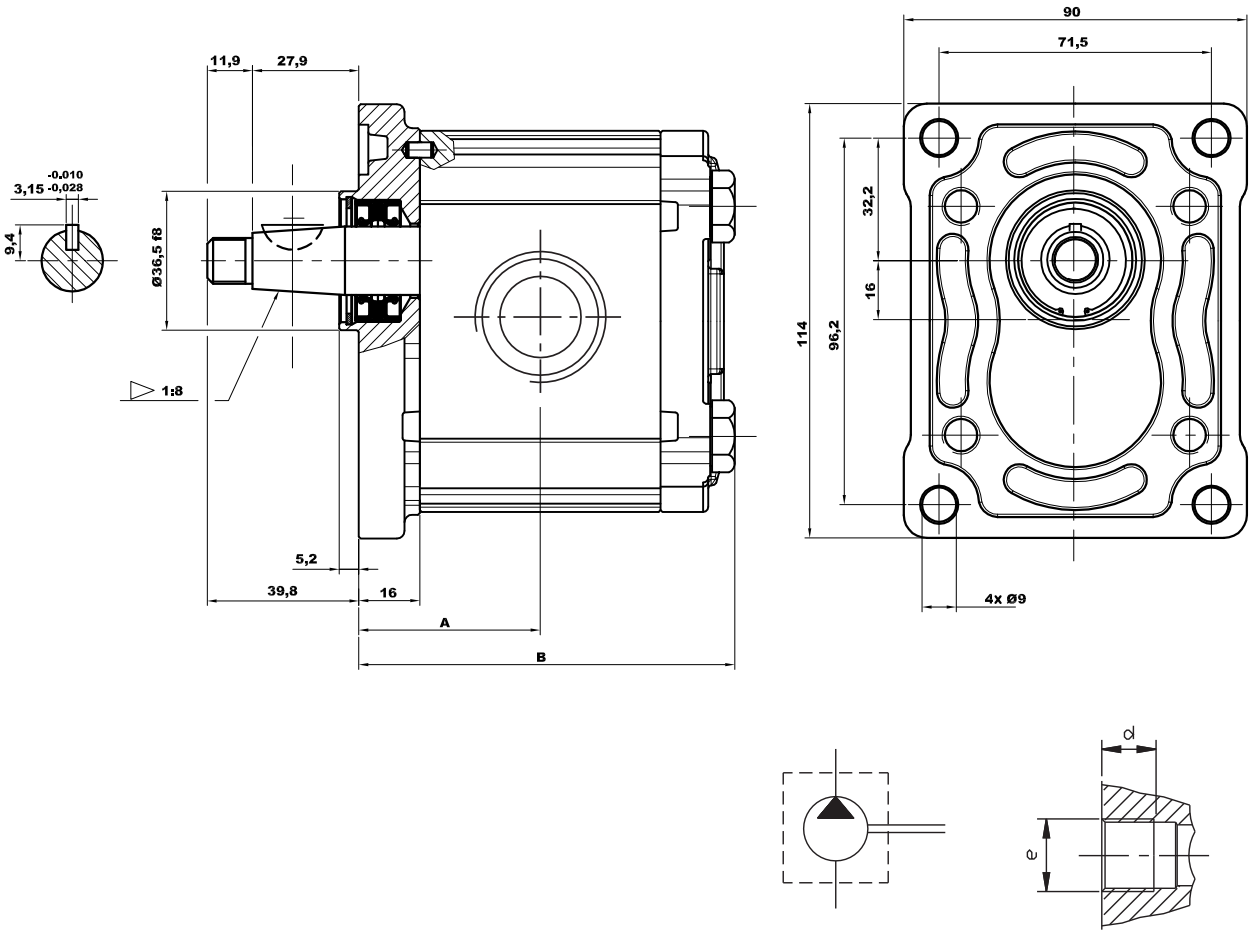
Vol.	Maß		Sauganschluss	Druckanschluss	Gew.	Umdrehung	
Displ.	Dimensions		Inlet Port	Outlet Port	Mass	Rotation	
ccm	mm				Kg	Rechts / Clockw.	Links / Anticl.
	A	B	C	C		101 007 ...	
4.1	41.0	84.5	7/8-14 UNF-2B	7/8-14 UNF-2B	2.80	095	106
6.2	42.5	87.5			2.85	096	107
8.2	44.0	90.5			2.90	097	108
11.2	46.2	94.8			3.00	098	109
14.0	48.2	98.8	1-1/16-12UNF-2B		3.40	099	110
16.0	49.6	101.7			3.60	100	111
20.0	52.5	107.5			3.80	101	112
22.5	58.4	119.2			3.95	102	113



Vol.	Maß		Sauganschl.		Druckanschl.		Gew.	Umdrehung	
Displ.	Dimensions		Inlet Port		Outlet Port		Mass	Rotation	
ccm	mm			mm		mm	Kg	Rechts / Clockw.	Links / Anticl.
	A	B	e	d	e	d		101 007 ...	
4.1	41.0	84.5	G1/2	14	G1/2	14	2.80	117	129
6.2	42.5	87.5					2.85	118	130
8.2	44.0	90.5					2.90	119	131
11.2	46.2	94.8					3.00	120	132
14.0	48.2	98.8	G3/4	16			3.40	122	134
16.0	49.6	101.7					3.60	123	135
20.0	52.5	107.5					3.80	124	136
22.5	58.4	119.2					3.95	125	137



Vol.	Maß		Sauganschl.			Druckanschl.			Gew.	Umdrehung	
Displ.	Dimensions		Inlet Port			Outlet Port			Mass	Rotation	
ccm	mm		mm			mm			Kg	Rechts / Clockw.	Links / Anticl.
	A	B	ØD	ØA	W	ØD	ØA	W		101 007 ...	
4.1	40.0	83.5	13	30	M6	13	30	M6	2.80	001	013
6.2	41.5	86.5							2.85	002	014
8.2	43.0	89.5							2.90	003	015
11.2	45.2	93.8							3.00	004	016
14.0	47.2	97.8	20	40	M8				3.40	006	018
16.0	48.6	100.7							3.60	007	019
20.0	51.5	106.5							3.80	008	020
22.5	57.4	118.2							3.95	009	021



Vol.	Maß		Sauganschl.		Druckanschl.		Gew.	Umdrehung	
Displ.	Dimensions		Inlet Port		Outlet Port		Mass	Rotation	
ccm	mm			mm		mm	Kg	Rechts / Clockw.	Links / Anticl.
	A	B	e	d	e	d		101 007 ...	
4.1	40.0	83.5	G1/2	14	G1/2	14	2.80	196	204
6.2	41.5	86.5					2.85	197	205
8.2	43.0	98.5					2.90	198	206
11.2	45.2	93.8					3.00	199	207
14.0	47.2	97.8	G3/4	16			3.40	200	208
16.0	48.6	100.7					3.60	201	209
20.0	51.5	106.5					3.80	202	210
22.5	57.4	118.2					3.95	203	211

Notizen
Notes

Notizen
Notes

Notizen
Notes

GRIEGER

Hydraulik
Hydraulics

www.grieger-automation.com

Grieger
Saarstr. 41
71282 Hemmingen
Germany

Tel: +49 7150 916 59-0
Fax: +49 7150 916 59-10

Hydraulik Produktpalette

- Wegeventile NG 6, 10, 16, 25, 32
- Proportionalventil NG 6, 10, 16, 25
- Verstärker für Proportionalventile
- Modularventile NG 6, 10, 16
- Druckventile NG 6, 10, 16, 25 und Rohrleitungseinbau
- DIN-Einbauventile NG 10, 16, 25,32, 40, 50, 63
- Anschlussplatten NG 6, 10, 16, 25, 32
- Axialkolbenpumpen 29-88 cm^3/U
- Zahnradpumpen Größe 2, 4-22.5 cm^3/U
- Kugelhähne
- Drosselventile
- Rückschlagventile
- Filter
- Steuerblöcke, Standard und kundenspezifisch

Grieger Asia Pte Ltd
2 Jurong East Street 21
#03-152, IMM Building
Singapore 609601

Tel: +65 6425 6562
Fax: +65 6425 6755

Hydraulic product range

- Directional control valves NG 6, 10, 16, 25, 32
- Proportional valves NG 6, 10, 16, 25
- Amplifiers for proportional valves
- Modular valves NG 6, 10, 16
- Pressure valves NG 6, 10, 16, 25 and inline mounting
- DIN cartridge valves NG 10, 16, 25, 32, 40, 50, 63
- Subplates NG 6, 10, 16, 25, 32
- Axial piston pumps 29-88 ccm/rev
- Gear pumps size 2, 4-22.5 ccm/rev
- Ball valves
- Needle valves
- Check valves
- Filters
- Manifolds, standard and customized

Ihr Vertragspartner
Your authorized distributor