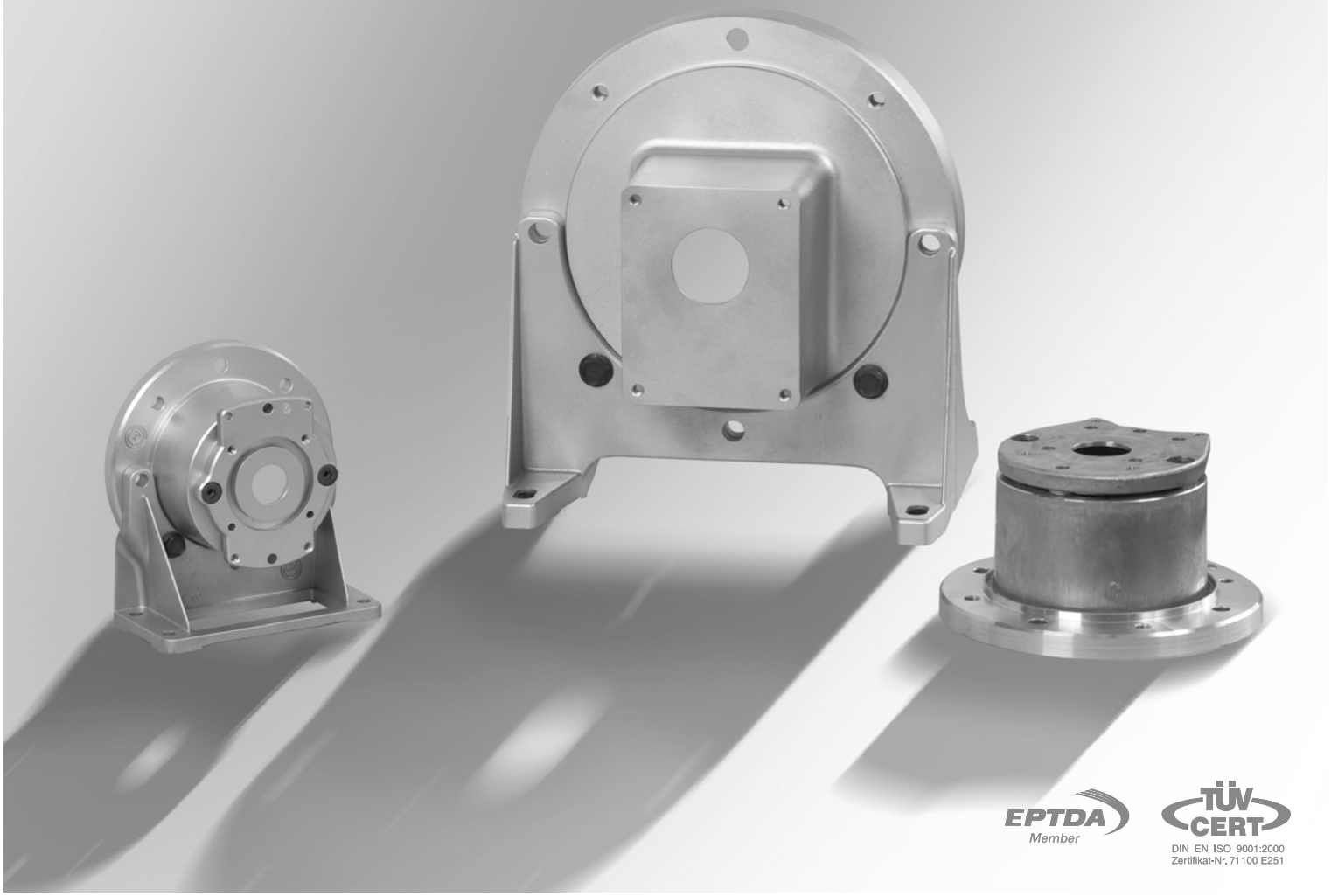
Raja

R+L HYDRAULICS

HYDRAULIC COMPONENTS · POWER TRANSMISSION · OIL COOLERS

Parmab Drivelement AB



EPTDA Member

TÜV CERT
DIN EN ISO 9001:2000
Zertifikat-Nr. 71 100 E251

Mellanstycken för kugghjulspump

Bellhousings for Gear Pumps

- **Höjd på motorfläns enl. VDMA 24 561**
- **Kombination med fot som tillval enl. VDMA 24 561**
- **Motorflänsdiamter 160 - 400 mm**

- *Height of motorflange acc. to VDMA 24 561*
- *Optional combination with footbrackets acc. to VDMA 24 561*
- *Motorflange-diameter from 160 – 400 mm*

Modellbeteckning *Model type*

RV 250 / 110 / 441 / B14 / ZFV

Mellanstycke *Bellhousing*	
Fläns-Ø *Flange-Ø*	160 200 250 300 350 400

Längd på mellanstycke *Length of bellhousing*
Se tabeller *See tables*

Ramstorlek *Frame size*	
–	IM B 35
B 14	IM B 14

Pumpanslutning *Pump connection*	
XXXX	Intern bearbetningskod *Internal machining code*

Intern kod för optioner *Optional internal code*	
ZF	Mellanfläns på pumpsida *Intermediate flange pump side*
MZF	Mellanfläns på motorsida *Intermediate flange motor side*
ZR	Centreringsring *Centerring*
MB	Inspektionshål *Inspection hole*
LB	Dräneringshål *Leakage boring*
E	Pressmutter *Press nut*

Modellbeteckning *Model type*

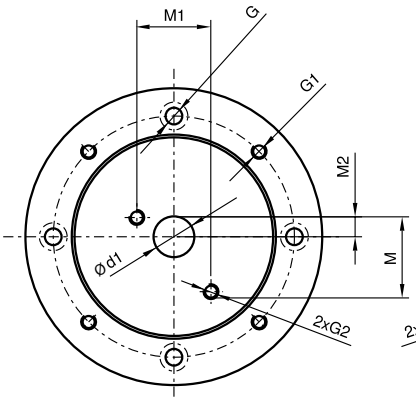


Fig. 1

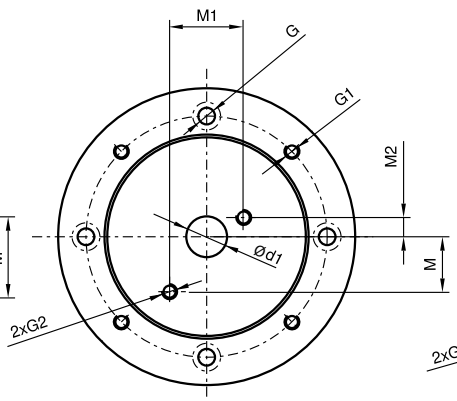


Fig. 2

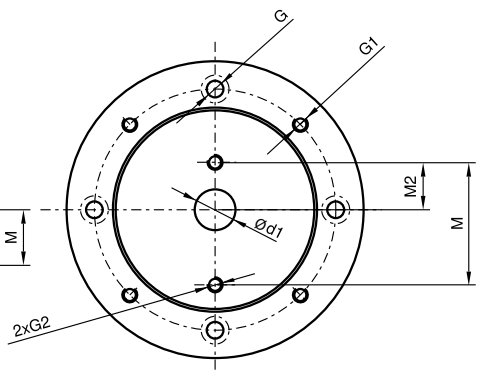


Fig. 3

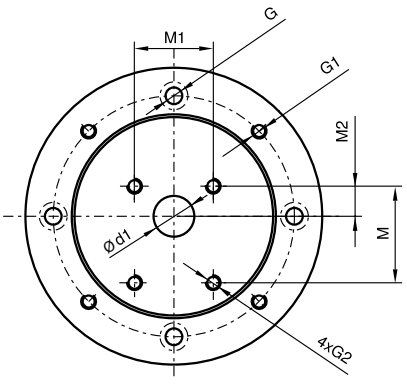
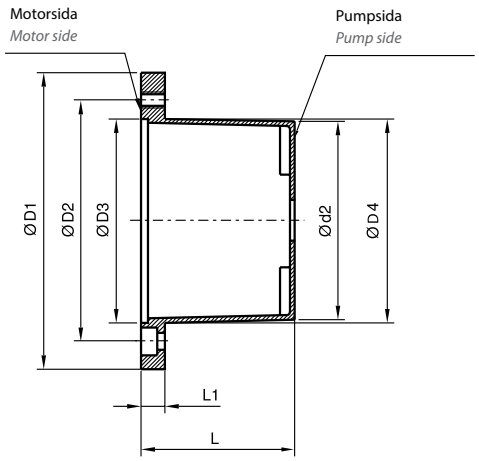


Fig. 4



Motorfläns – Ø 160 mm *Motorflange – Ø 160 mm*

Dimensioner *Dimensions* [mm]

Typ *Type*	Hålbild *Pump con.*	D1	D2	D3	D4	d1	d2	L	L1	F	G	G1	G2	M	M1	M2
RV160/70/401	Fig. 1	160	130	110	110	32	107	70	13	4	9	M8	2 x M8	40	40	10.35
RV160/70/468	Fig. 3					22							2 x M6	66	25.5	33
RV160/80/401	Fig. 1					32	107	80					2 x M8	40	40	10.35
RV160/80/401/B14						32						Ø9				
RV160/80/448/ZFV*	Fig. 4					25.4	–					M8	4 x M6	72	52.4	26.2
RV160/80/448/B14/ZFV*						25.4						Ø9				
RV160/80/453/B14/ZFV*						30								73	56	24.5
RV160/90/401	Fig. 1					32	107	90				M8	2 x M8	40	40	10.35
RV160/90/401/B14						32						Ø9				
RV160/90/448/ZFV*	Fig. 4					25.4	–					M8	4 x M6	72	52.4	26.2
RV160/90/448/B14/ZFV*						25.4						Ø9				24.5
RV160/90/453/B14/ZFV*						30								73	56	
RV160/95/441/B14/ZFV*						80	–	95					4 x M8	100	72	34.5
RV160/95/446/B14/ZFV*						36.5								96.2	71.5	32.7
						80	–	105						100	72	34.5
RV160/105/446/B14/ZFV*						36.5								96.2	71.5	32.7
						25.4								72	52.4	26.2
RV160/110/441/B14/ZFV*						80								100	72	34.5
RV160/110/446/B14/ZFV*						36.5								96.2	71.5	2.7

Motorfläns – Ø 200 mm *Motorflange – Ø 200 mm*

Dimensioner *Dimensions* [mm]

Typ *Type*	Hålbild *Pump con.*	D1	D2	D3	D4	d1	d2	L	L1	F	G	G1	G2	M	M1	M2
RV200/80/401	Fig. 1	200	165	130	145	32	129	80	16	5	11	M10	2 x M8	40	40	10.35
RV200/80/448	Fig. 4					25.4							4 x M6	72	52.4	26.2
RV200/80/453						30								73	56	24.5
RV200/80/468	Fig. 3					22							2 x M6	66	25.5	33
RV200/80/493	Fig. 4					33							4 x M6	72	52.4	26.2
RV200/90/401	Fig. 1					32		90					2 x M8	40	40	10.35
RV200/90/448	Fig. 4					25.4							4 x M6	72	52.4	26.2
RV200/90/453						30								73	56	24.5
RV200/90/468	Fig. 3					22							2 x M6	66	25.5	33
RV200/90/493	Fig. 4					33							4 x M6	72	52.4	26.2
RV200/96/439/ZFV*						50	–	96					2 x M10	60	60	14.5
RV200/96/441/ZFV*						80							4 x M8	100	72	34.5
RV200/96/446/ZFV*						36.5								96.2	71.5	32.7
RV200/96/459/ZFV*						36.5							4 x M6			
RV200/100/404						52	129	100					2 x M8	62	62	23.3
RV200/100/405						63										
RV200/100/474						32								52	52	19.5
RV200/100/476						45.24										
RV200/106/439/ZFV*						50	–	106					2 x M10	60	60	14.5
RV200/106/441/ZFV*						80							4 x M8	100	72	34.5
RV200/106/446/ZFV*						36.5								96.2	71.5	32.7
RV200/106/459/ZFV*						36.5							4 x M6			
RV200/110/404						52	129	110					2 x M8	62	62	23.3
RV200/110/405						63										

*Ej lämplig för dränkmontage ** Don't use for leackage free assembly*

Motorfläns – Ø 250 mm *Motorflange – Ø 250 mm*

Dimensioner *Dimensions* [mm]

Typ *Type*	Hålbild *Pump con.*	D1	D2	D3	D4	d1	d2	L	L1	F	G	G1	G2	M	M1	M2
RV250/110/401	Fig. 1	250	215	180	190	32	179	110	19	5	14	M12	2 x M8	40	40	10.35
RV250/110/402						50								72	72	28.6
RV250/110/439													2 x M10	60	60	14.5
RV250/110/441	Fig. 4					80							4 x M8	100	72	34.5
RV250/110/446						36.5								96.2	71.5	32.7
RV250/110/448						25.4							4 x M6	72	52.4	26.2
RV250/110/453						30								73	56	24.5
RV250/110/459						36.5								96.2	71.5	32.7
RV250/110/462													4 x M8			
RV250/110/493						33							4 x M6	72	52.4	26.2
RV250/110/828						77							4 x M8	96.2	71.5	32.7
RV250/116/401	Fig. 1					32		116					2 x M8	40	40	10.35
RV250/116/402						50								72	72	28.6
RV250/116/439													2 x M10	60	60	14.5
RV250/116/441	Fig. 4					80							4 x M8	100	72	34.5
RV250/116/446						36.5								96.2	71.5	32.7
RV250/116/448						25.4							4 x M6	72	52.4	26.2
RV250/116/453						30								73	56	24.5
RV250/116/459						36.5								96.2	71.5	32.7
RV250/116/462													4 x M8			
RV250/116/493						33							4 x M6	72	52.4	26.2
RV250/116/828						77							4 x M8	96.2	71.5	32.7
RV250/120/404	Fig. 1					52	178	120					2 x M8	62	62	23.3
RV250/120/405						63										
RV250/124/404						52		124								
RV250/124/405						63										

Motorfläns – Ø 300 mm *Motorflange – Ø 300 mm*

Dimensioner *Dimensions* [mm]

Typ *Type*	Hålbild *Pump con.*	D1	D2	D3	D4	d1	d2	L	L1	F	G	G1	G2	M	M1	M2
RV300/130/405	Fig. 1	300	265	230	234	63	223	130	20	5	14	M12	2 x M8	62	62	23.3
RV300/130/439						50							2 x M10	60	60	14.5
RV300/130/441	Fig. 4					80							4 x M8	100	72	34.5
RV300/130/446						36.5								96.2	71.5	32.7
RV300/130/459													4 x M6			
RV300/130/499	Fig. 2					50							2 x M10	60	60	14.5
RV300/144/425	Fig. 4					65		144					4 x M8	110	110	32.5
RV300/144/444						50.8							4 x M10	137	98.4	45
RV300/144/447													4 x M8	128		42.9
RV300/144/465													4 x M10			
RV300/162/403/ZFV*						125	–	162						206	136	103
RV300/162/419/ZFV*						60							4 x M12	154	127	48
RV300/162/423/ZFV*						85							4 x M10	164	124	50
RV300/162/426/ZFV*						80							4 x M12	150	150	43.2
RV300/162/427/ZFV*						63.5								188	143	64.3
RV300/162/442/ZFV*						105							4 x M10	145	102	48
RV300/162/443/ZFV*						60							4 x M12	148	127	
RV300/162/444/ZFV*						50.8							4 x M10	137	98.4	45
RV300/162/449/ZFV*						60.3								149.4	114.3	49.3
RV300/162/451/ZFV*						63.5							4 x M12	196	142.8	65.1
RV300/162/475/ZFV*						160							4 x M16	200	160	70.7

*Ej lämplig för dränkmontage ** Don't use for leackage free assembly*

Motorfläns – Ø 350 mm *Motorflange – Ø 350 mm*

Dimensioner *Dimensions* [mm]

Typ *Type*	Hålbild *Pump con.*	D1	D2	D3	D4	d1	d2	L	L1	F	G	G1	G2	M	M1	M2
RV350/173/404	Fig. 1	350	300	250	260	52	238	173	26	6	18	M16	2 x M8	62	62	23.3
RV350/173/405						63										
RV350/173/417	Fig. 4					80							4 x M10	130	100	41
RV350/173/439	Fig. 1					50							2 x M10	60	60	14.5
RV350/173/441	Fig. 4					80							4 x M8	100	72	34.5
RV350/173/442						105							4 x M10	145	102	48
RV350/173/444						50.8								137	98.4	45
RV350/173/446						36.5							4 x M8	96.2	71.5	32.7
RV350/173/447						50.8								128	98.4	42.9
RV350/173/459						36.5							4 x M6	96.2	71.5	32.7
RV350/173/499	Fig. 2					50							2 x M10	60	60	14.5
RV350/205/403/ZFV*	Fig. 4					125	–	205					4 x M10	206	136	103
RV350/205/419/ZFV*						60							4 x M12	154	127	48
RV350/205/423/ZFV*						85							4 x M10	164	124	50
RV350/205/426/ZFV*						80							4 x M12	150	150	43.2
RV350/205/427/ZFV*						63.5								188	143	64.3
RV350/205/442/ZFV*						105							4 x M10	145	102	48
RV350/205/443/ZFV*						60							4 x M12	148	127	
RV350/205/444/ZFV*						50.8							4 x M10	137	98.4	45
RV350/205/449/ZFV*						60.3								149.4	114.3	49.3

*Ej lämplig för dränkmontage ** Don't use for leackage free assembly*

Motorfläns – Ø 400 mm *Motorflange – Ø 400 mm*

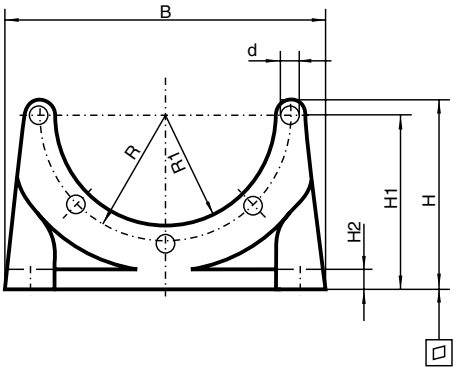
Dimensioner *Dimensions* [mm]

Typ *Type*	Hålbild *Pump con.*	D1	D2	D3	D4	d1	d2	L	L1	F	G	G1	G2	M	M1	M2
RV400/168/441	Fig. 4	400	350	300	300	80	284	168	26	6	18	M16	4 x M8	100	72	34.5
RV400/168/447						50.8								128	98.4	42.9
RV400/168/481						100							4 x M10	132	88.4	44.2
RV400/196/441						80	281	196					4 x M8	100	72	34
RV400/196/442						105							4 x M10	145	102	48
RV400/196/443						60							4 x M12	148	127	
RV400/196/444						50.8							4 x M10	137	98.4	45
RV400/196/447													4 x M8	128		42.9
RV400/196/449						60.3							4 x M10	149.4	114.3	49.3
RV400/196/465						50.8								128	98.4	42.9

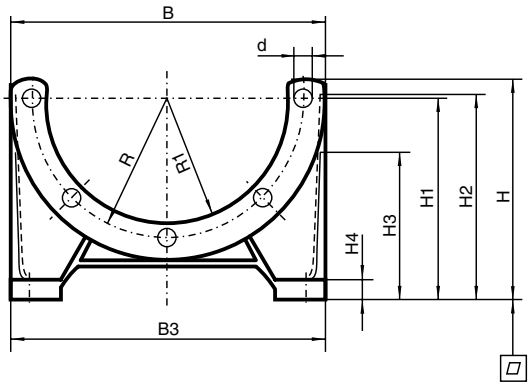
Fot typ PTFL / PTFS
enl. VDMA 24 561 för mellanstycke, motortyp IM B5

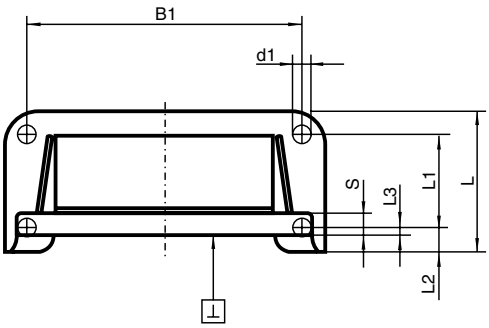
Footbracket Series PTFL / PTFS
acc. to VDMA 24 561 for bellhousings, motor type IM B5

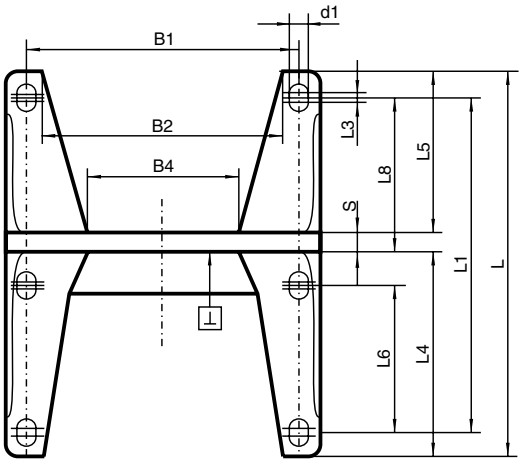
PTFL Låg belastning
PTFL Light version



PTFS Hög belastning
PTFS Heavy duty version

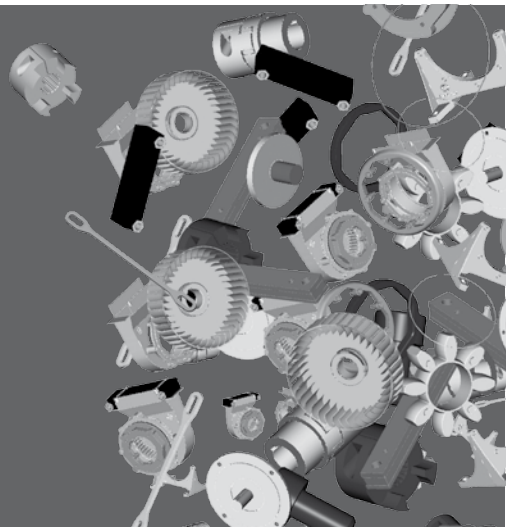






Typ *Type*	B	B1	B2	B3	B4	L	L1	L2	L3	L4	L5	L6	H	H1	H2	H3	H4	R	R1	S	d	d1	L	L8	[mm]	[mm]
PTFL 160	160	140	—	—	—	80	50	15	7	—	—	—	108	100	10	—	—	65	55	12	9	9	—	—	0.2	0.5
PTFL 200	210	180	—	—	—	90	60	15	4	—	—	—	122	112	12	—	—	82.5	72.5	14	11	11	—	—	0.2	0.5
PTFL 250	250	220	—	—	—	110	60	25	21	—	—	—	145	132	15	—	—	107.5	95	19	14	14	—	—	0.2	0.5
PTFL 300	290	260	—	—	—	120	80	24	20	—	—	—	172	160	20	—	—	132.5	117	18	14	14	—	—	0.2	0.75
PTFS 250	250	215	193	250	162	260	185	—	10	147.5	67.5	110	167	155	155	120	15	107.5	95.15	15	14	14	15	60	0.2	0.5
PTFS 300	300	265	243	300	207	270	225	—	10	172	80	130	197	185	185	145	18	132.5	117.25	18	14	14	20	75	0.2	0.75
PTFS 350	350	300	260	350	210	305	265	—	12	195	92	150	255	235	235	184	18	150	130	18	18	18	25	90	0.3	1.0
PTFS 400	400	350	320	400	260	350	300	—	12	225	105	—	277	260	232	220	20	175	151	20	18	18	—	100	0.3	1.0
PTFS 450	450	400	364	450	317	385	335	—	12	250	113	—	312	295	272	238	20	200	176	22	18	18	—	110	0.4	1.0
PTFS 550	550	500	454	550	401	465	415	—	12	300	140	—	365	350	335	285	25	250	226	25	18	18	—	140	0.4	1.0
PTFS 660	660	600	550	660	486	555	495	—	18	360	165	—	400	380	360	308	30	300	276	30	22	22	—	165	0.4	1.0

BORTKASTAD TID
WASTED TIME



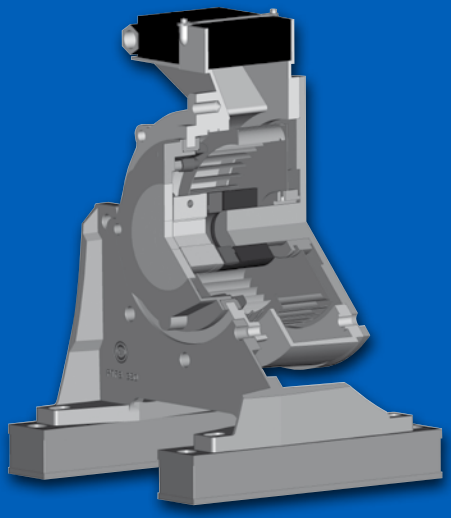
Sök enskilda komponenter
Looking for individual components

SPARAD TID
THE GIFT OF TIME

Konfigurera i 3D online
Configure 3D assembly groups online

FLUIDWARE®3D gör konstruktörens arbete mycket enklare och sparar därmed värdefull tid - varje dag. FLUIDWARE®3D skiljer sig från vanliga konfigurationsverktyg genom att det stödjer konstruktören i sökandet efter rätt komponenter genom några enkla urvalsfrågor och endast utföra de möjliga alternativen.

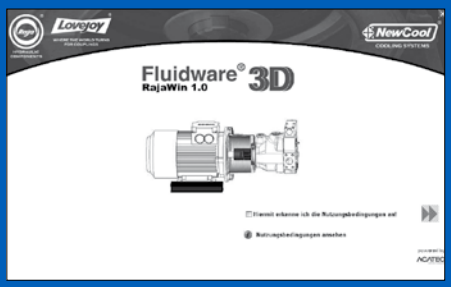
FLUIDWARE®3D makes the design engineer's work much easier and thus saves valuable time – each and every day. FLUIDWARE®3D distinguishes itself from ordinary configuration tools because it supports the design engineer in the search for the correct components by requiring only a few sensible selection steps and performing only the feasible options.



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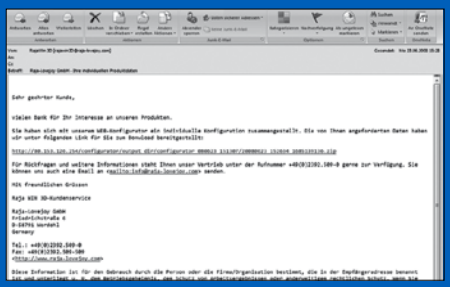
3 steg till 3D-konfiguration
3D Component Groups in three steps



Steg 1: Registreringen
Step 1: Registration



Steg 2: Konfigureringen
Step 2: Configuration



Steg 3: Nedladdning av data
Step 3: File-download

R+L HYDRAULICS

Parmab Drivelement AB

Version 05/12
Rechteck-PT