

Dokumentation ICVD

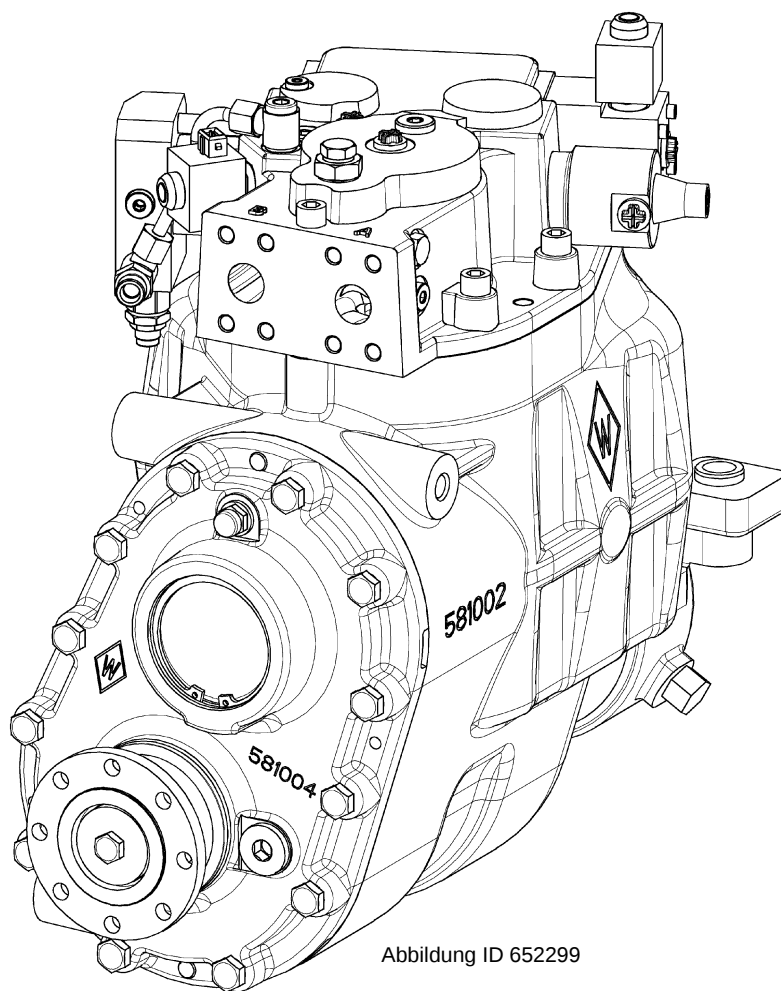


Abbildung ID 652299

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ID 652308

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ID 50.10.0155

ID 50.20.0400

ID 50.20.0545

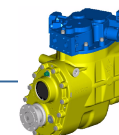
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Dokument-Nr. 50.20.0469 a intern

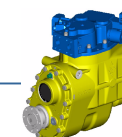
Sauer Bibus GmbH
Lise-Meitner-Ring 13
89231 Neu-Ulm

www.sauerbibus.de

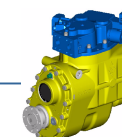


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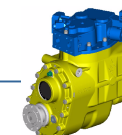
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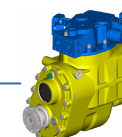
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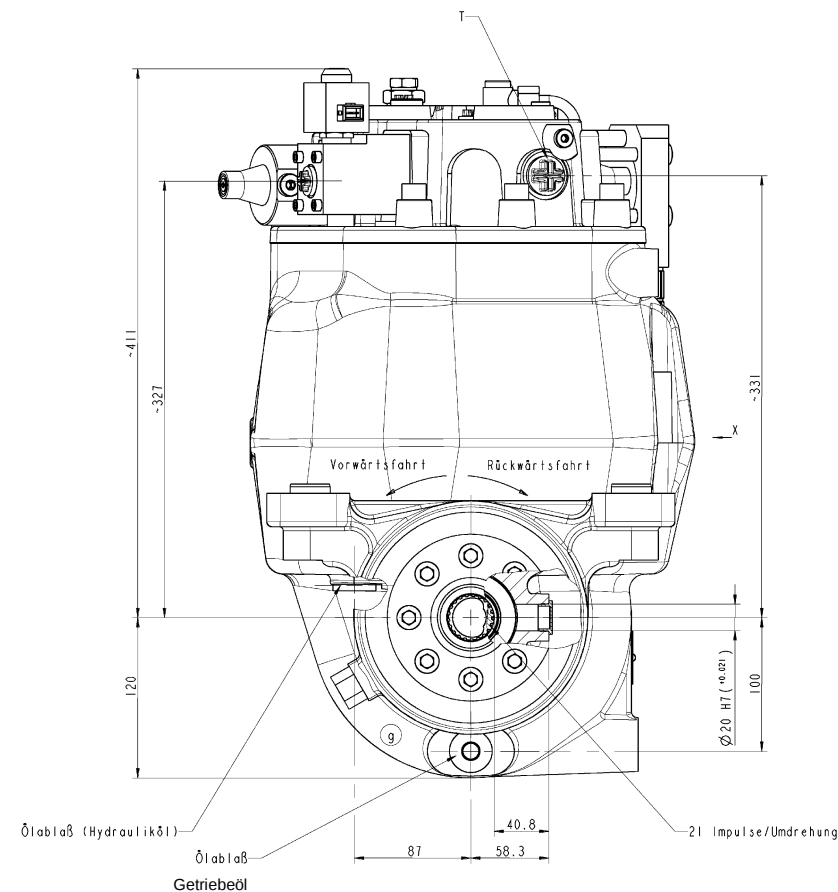
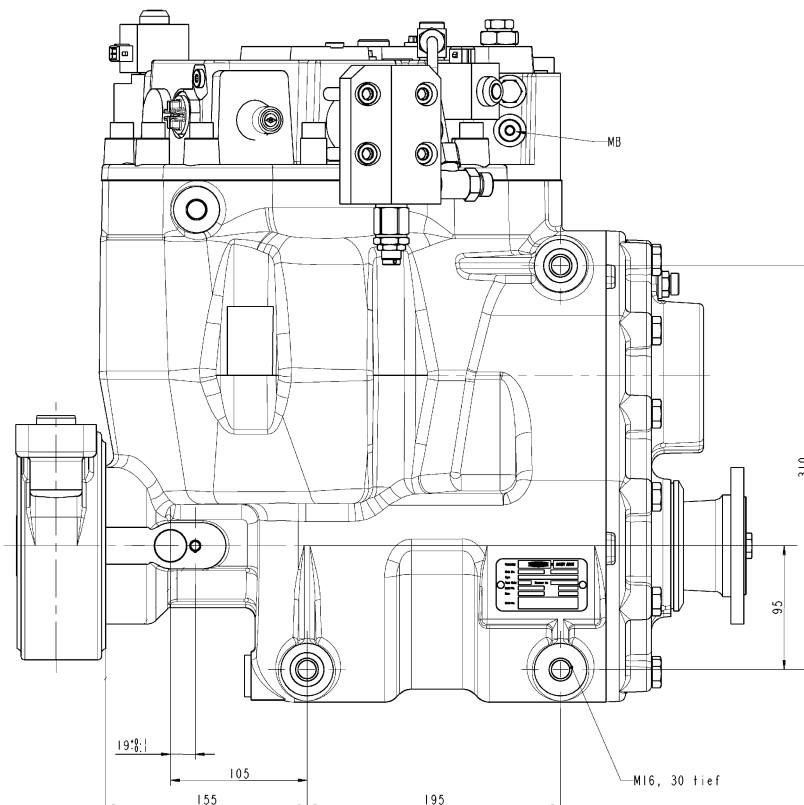


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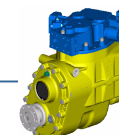
1. Dokumentation ICVD Documentation ICVD

1.1 ICVD-kpl. ICVD-cpl

1.1.1 Gesamtansicht Total view Vue d'ensemble

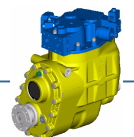
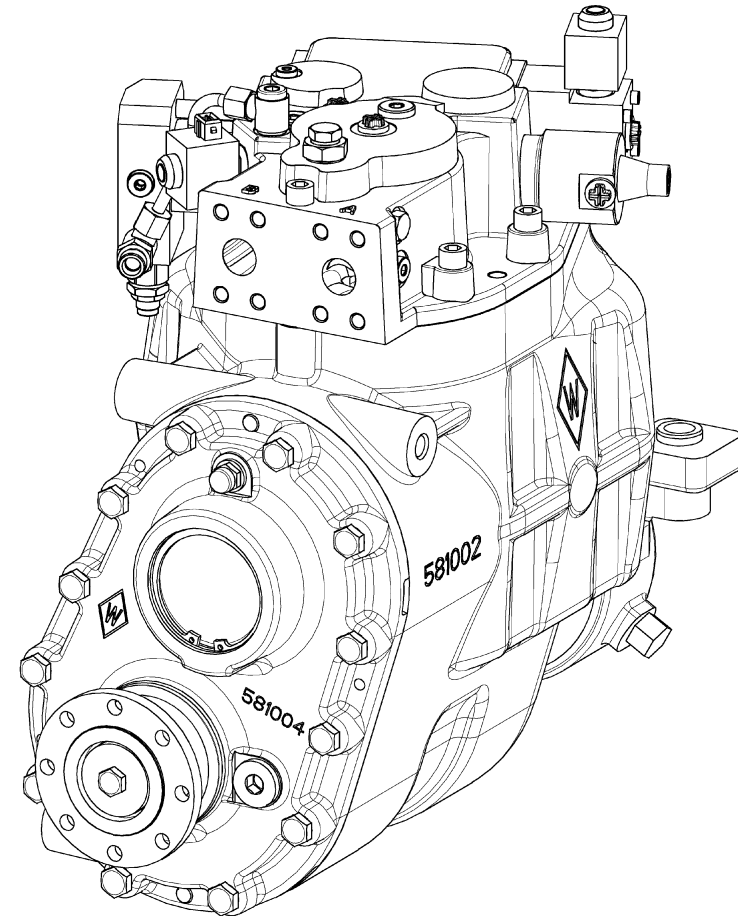
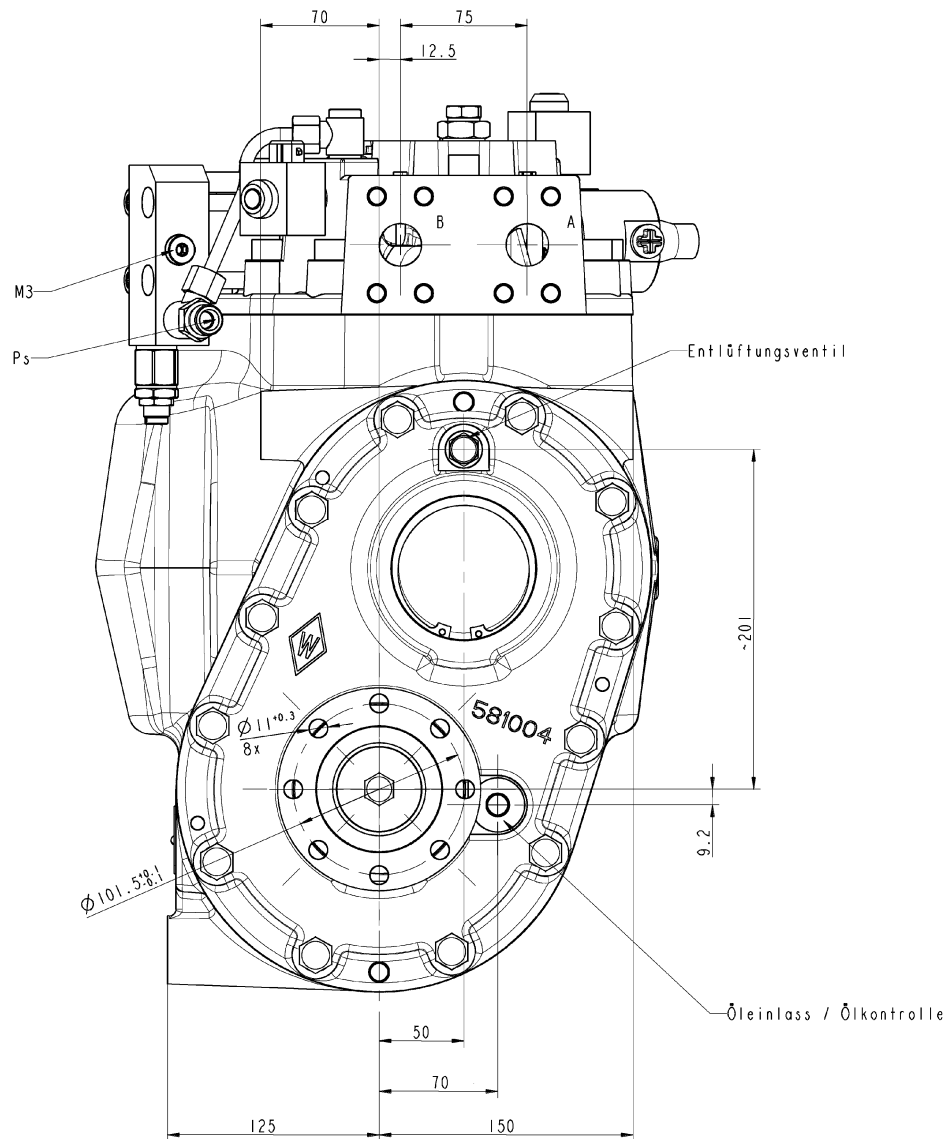


Einbaulage: 90° stehend



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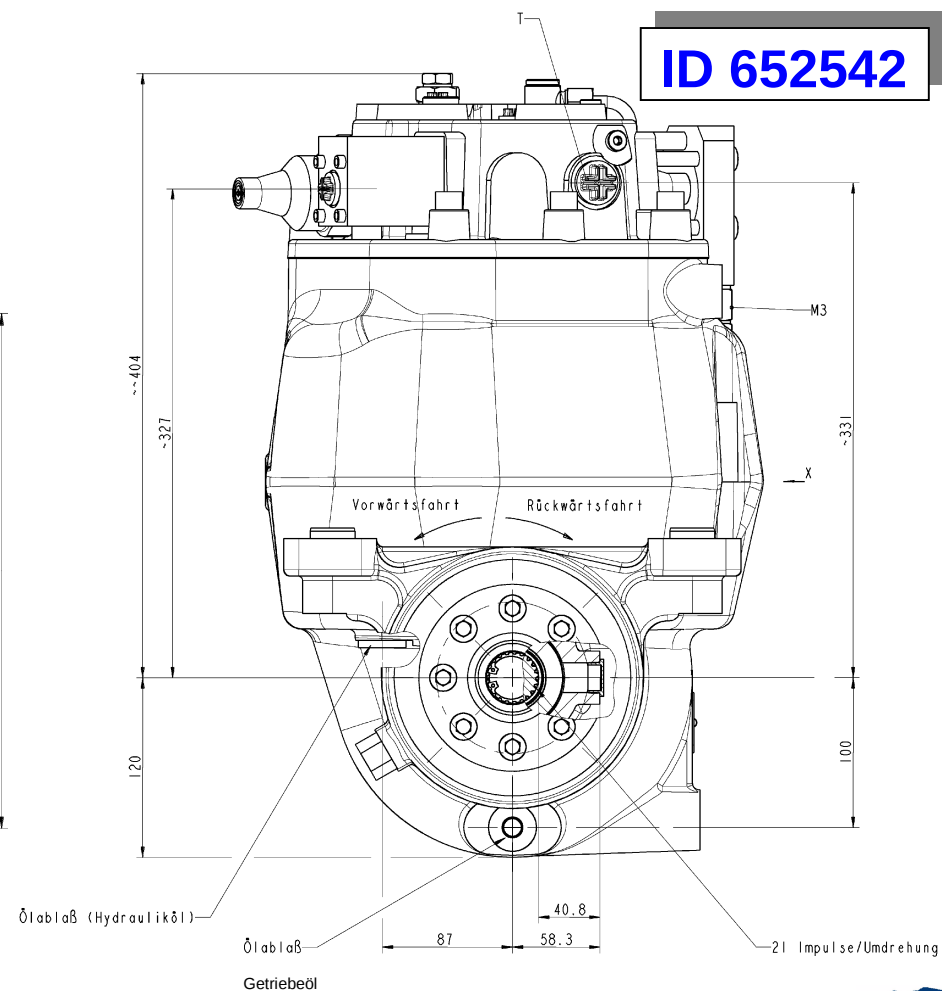
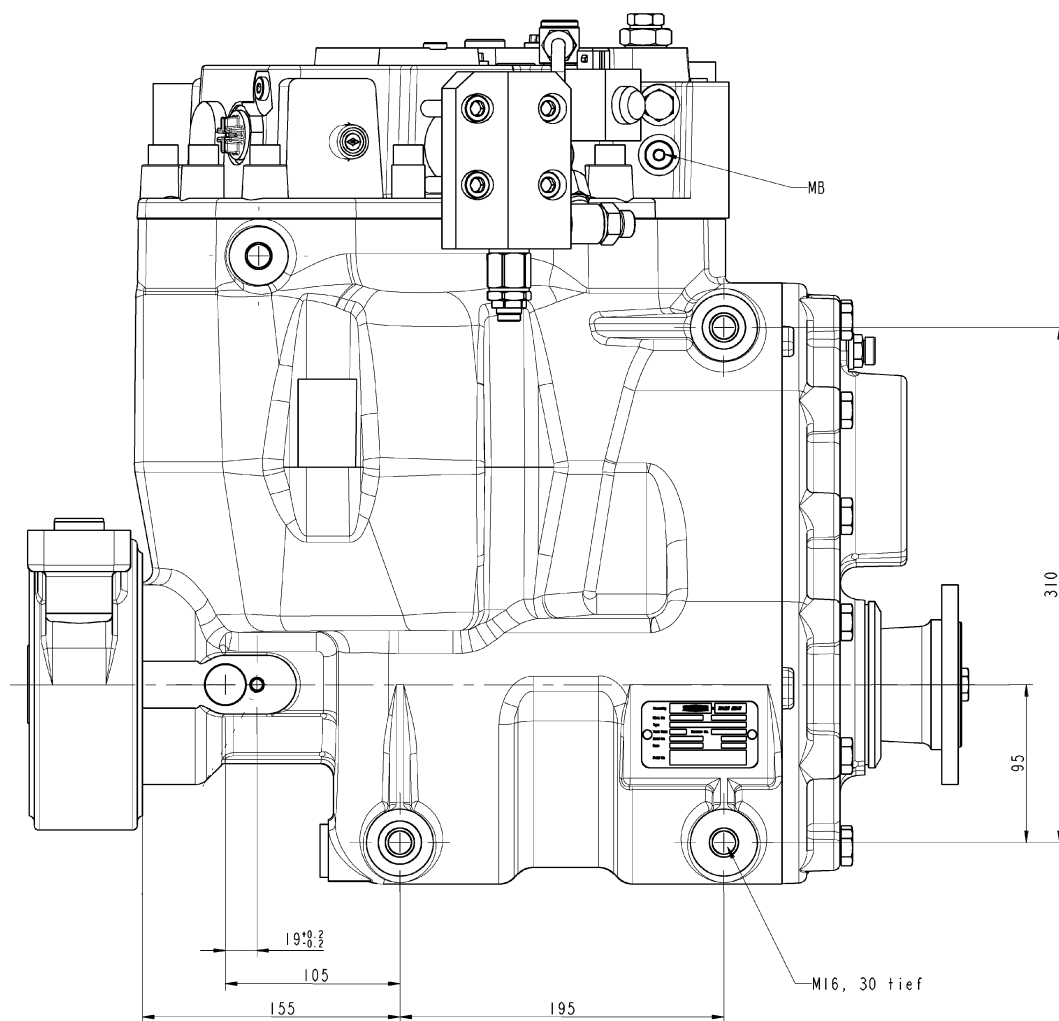


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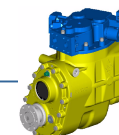
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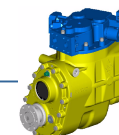
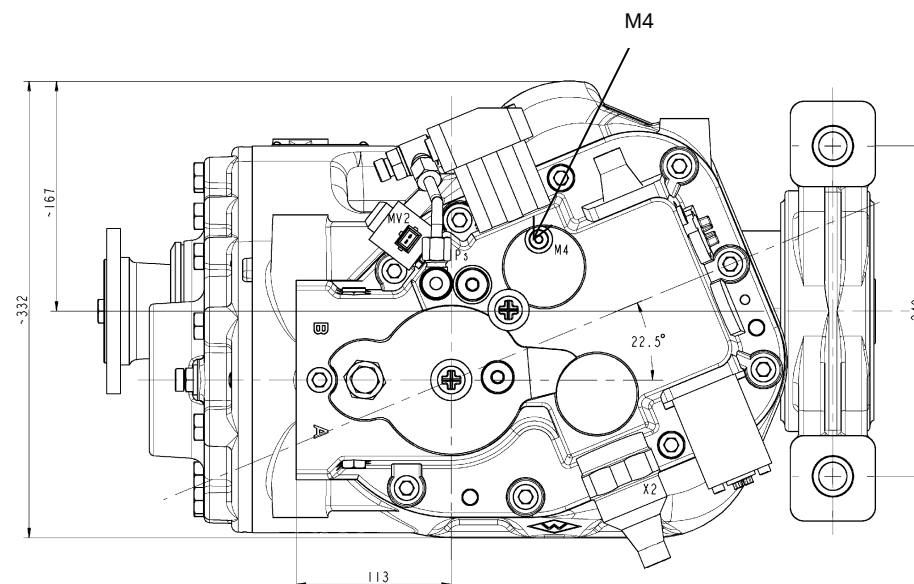
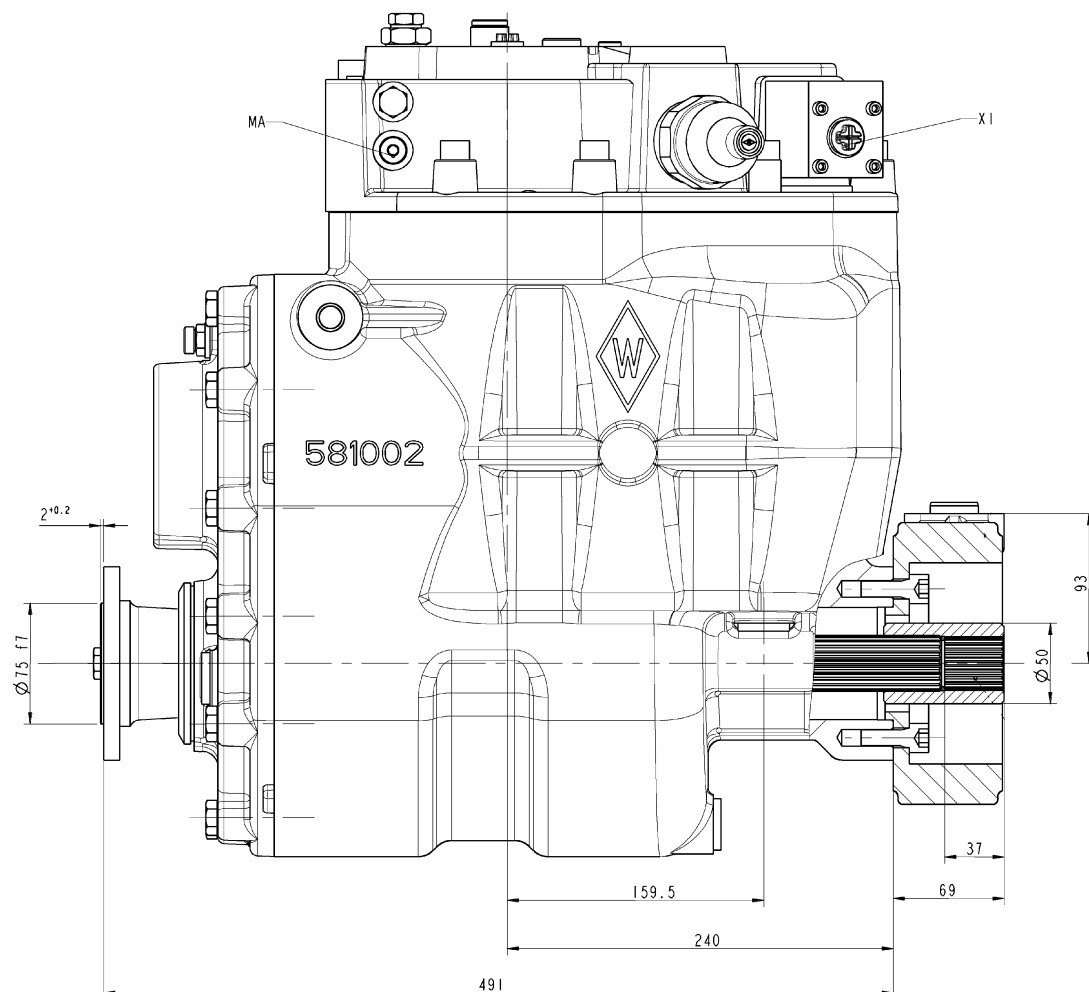


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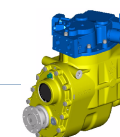
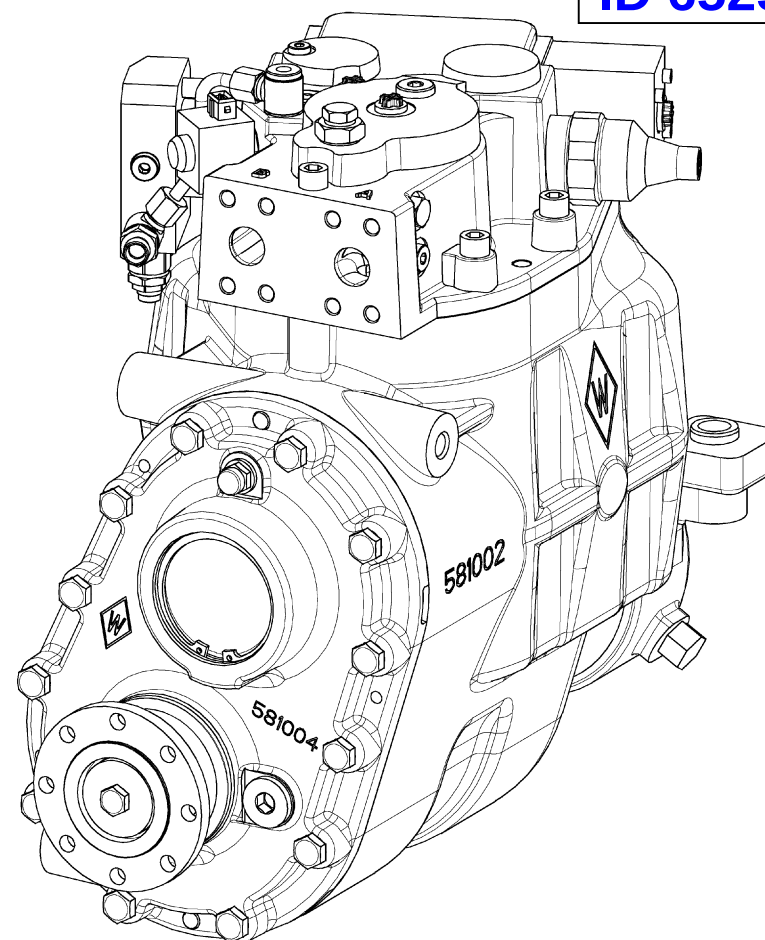
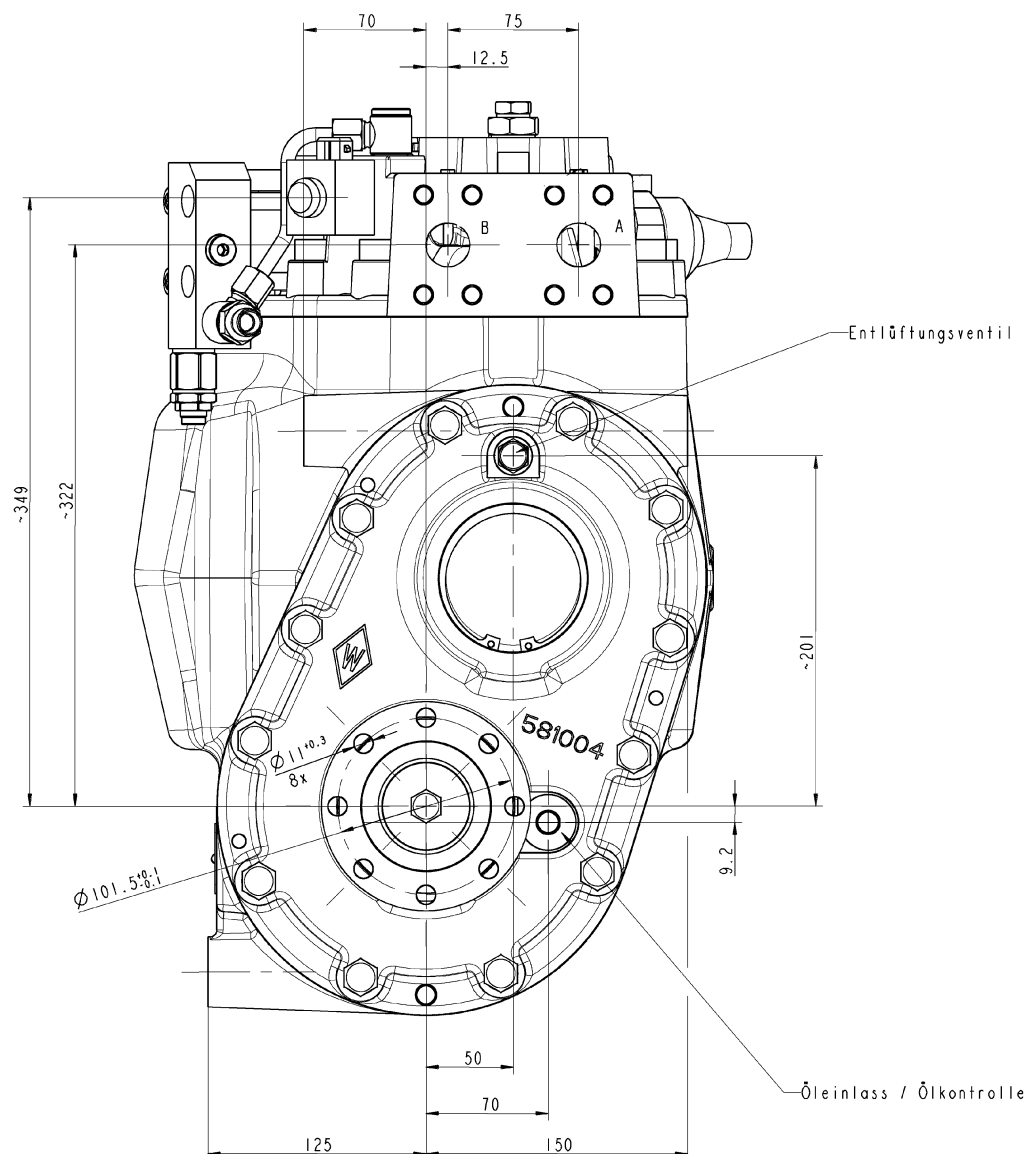


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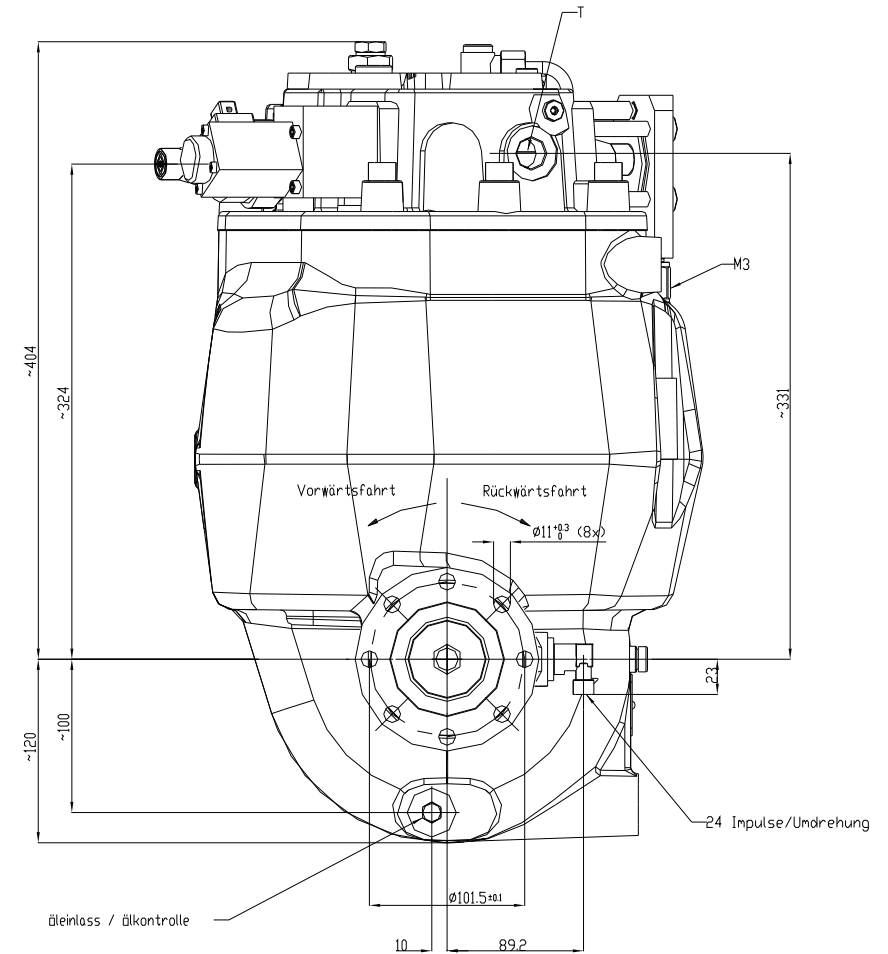
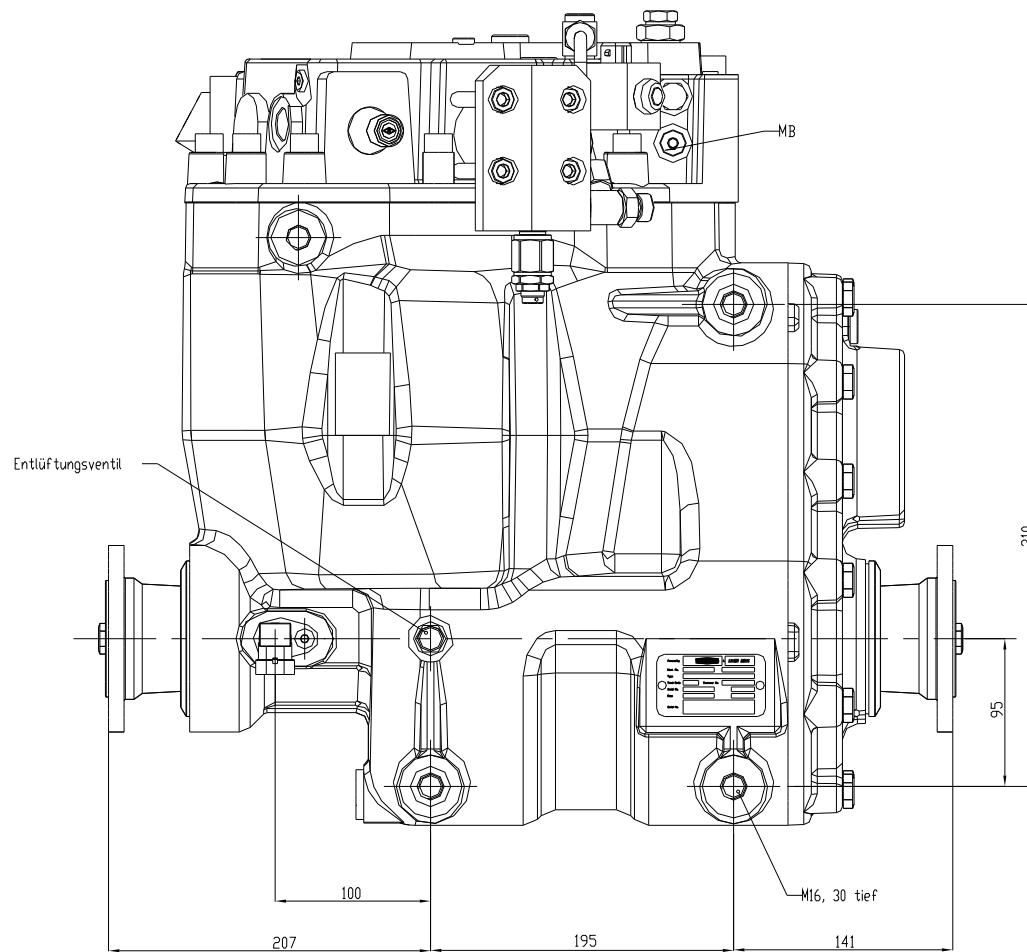
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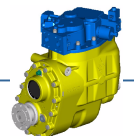


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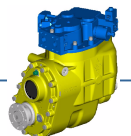
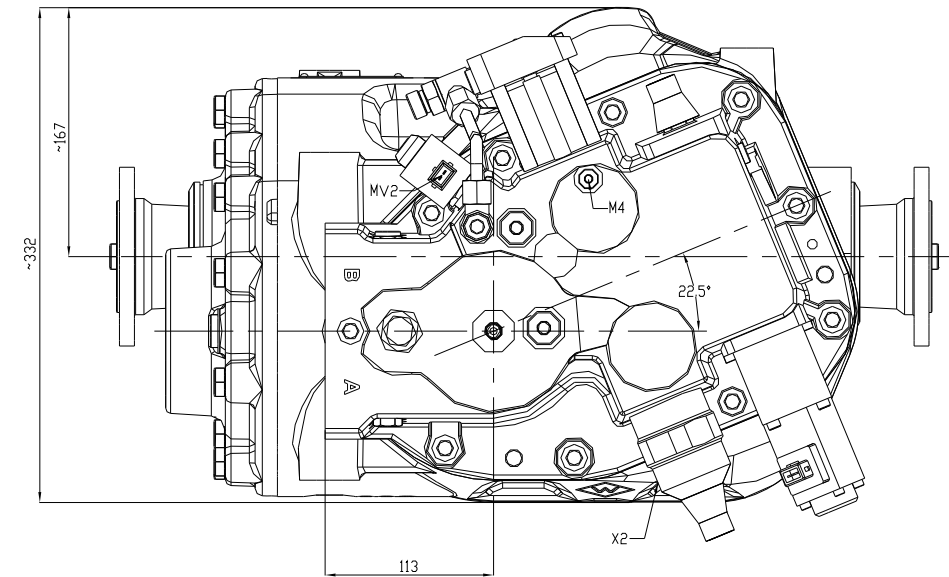
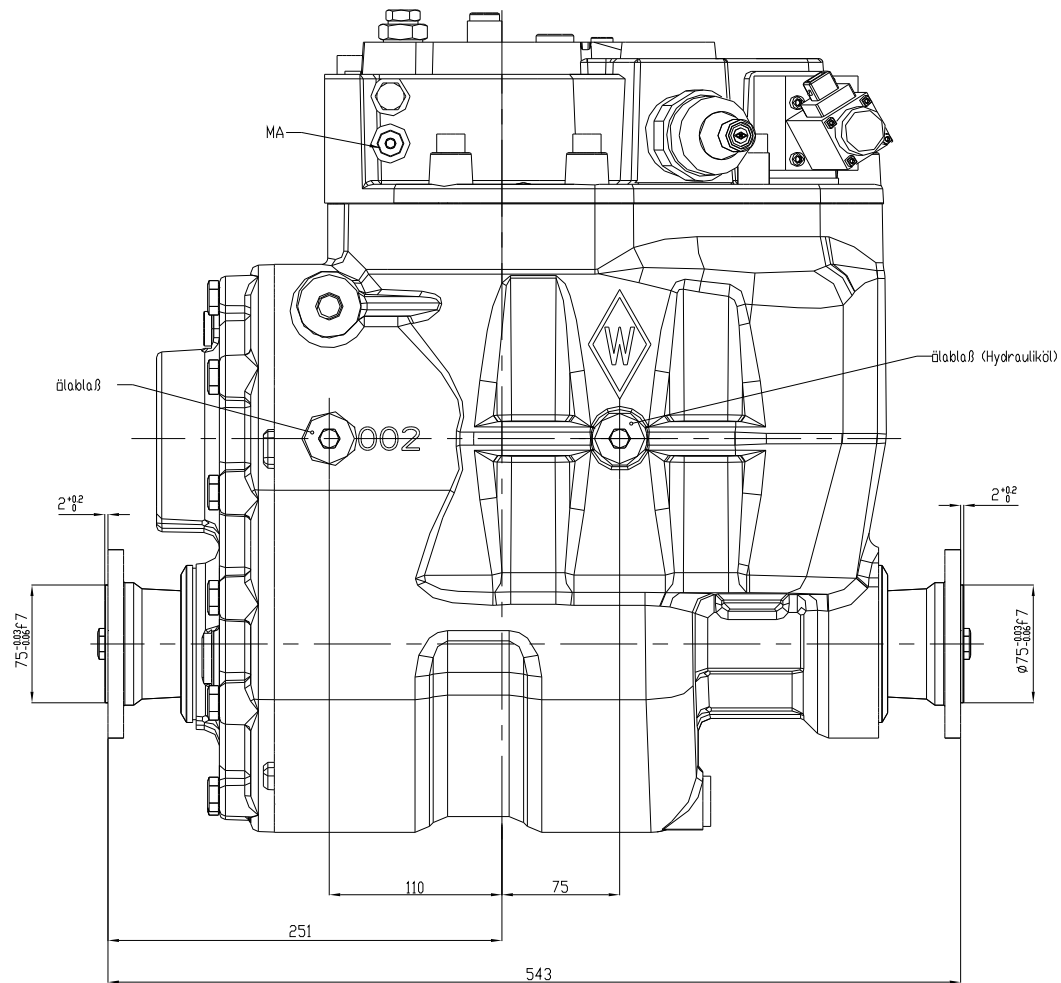


Einbaulage: liegend



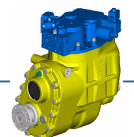
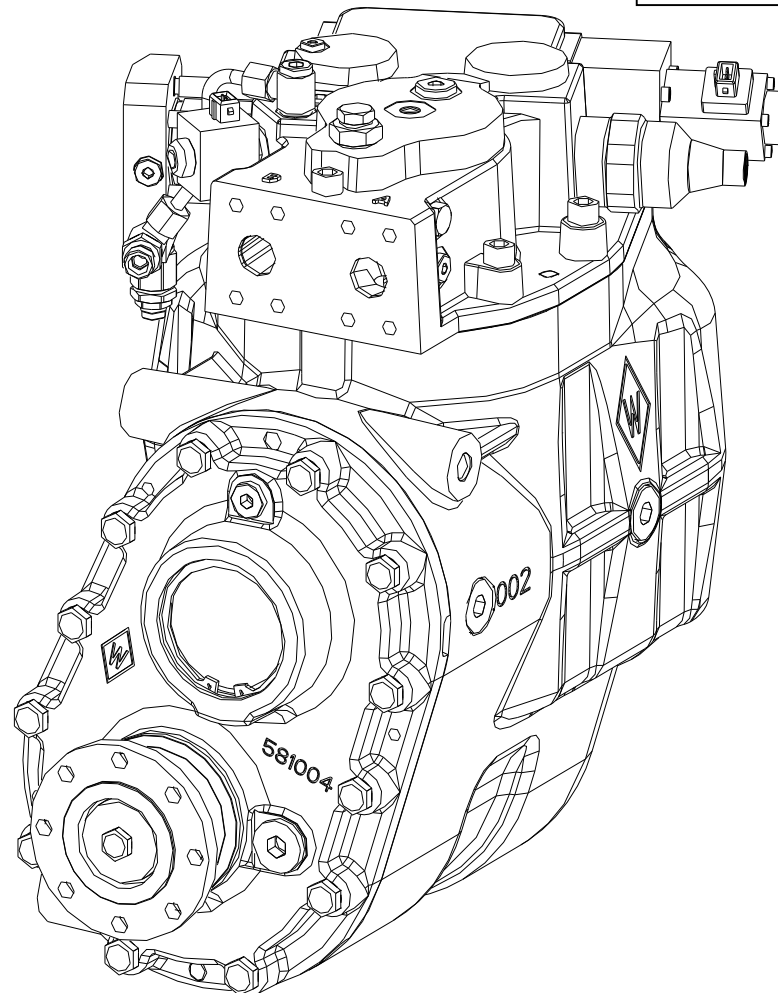
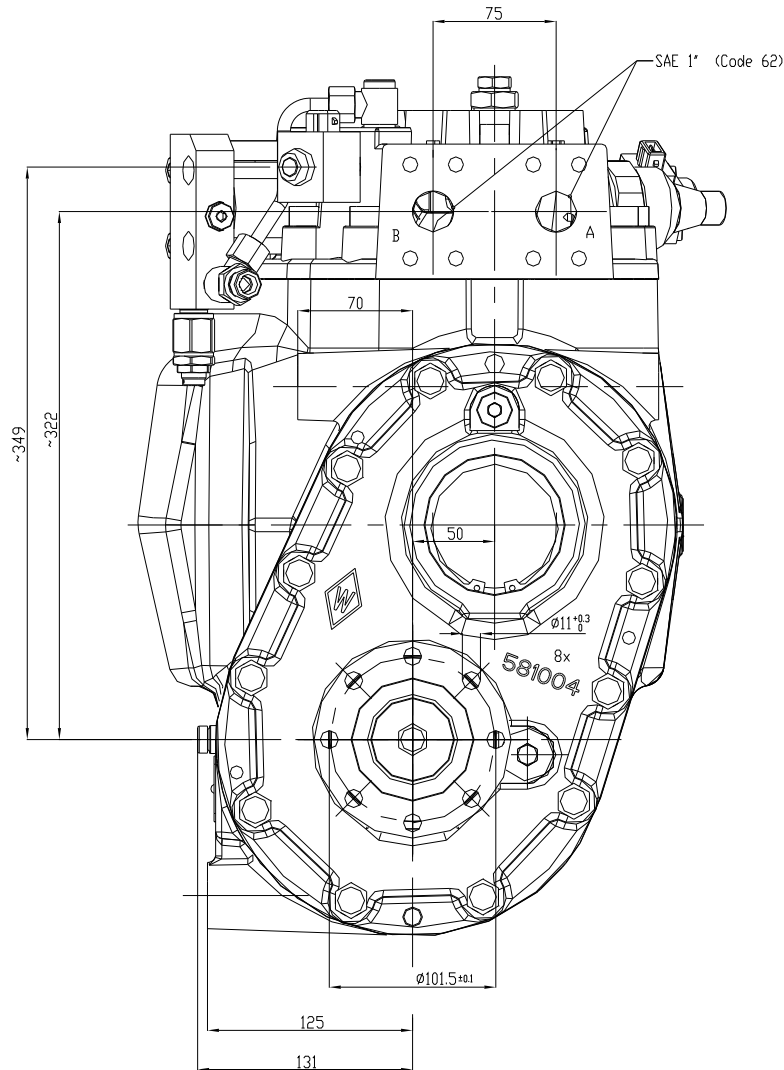
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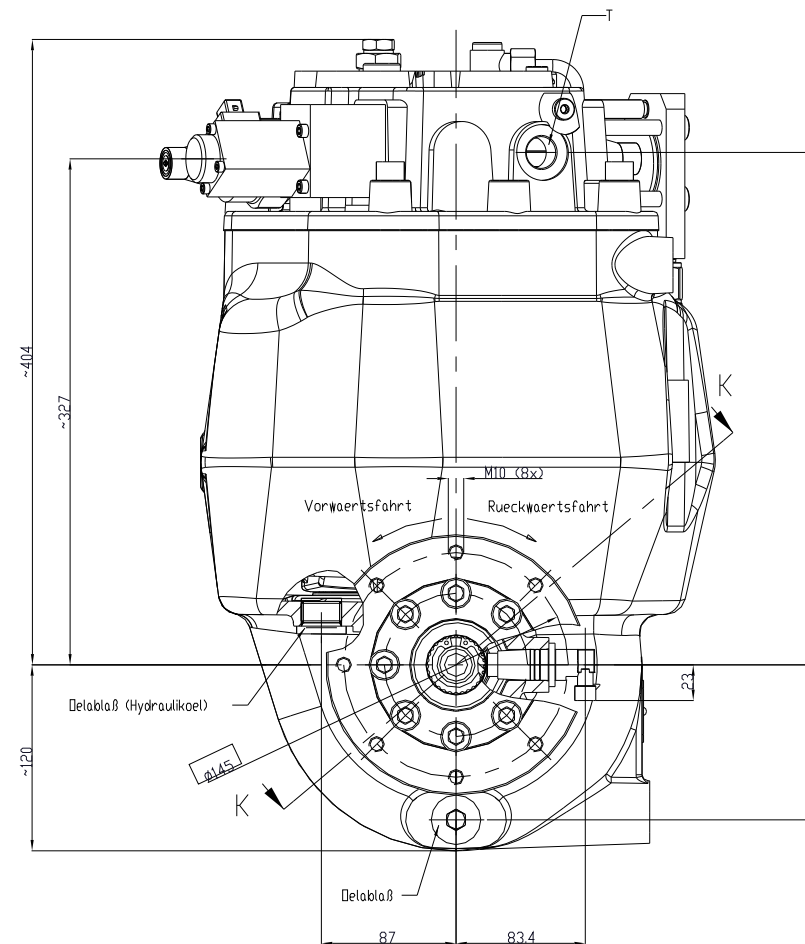
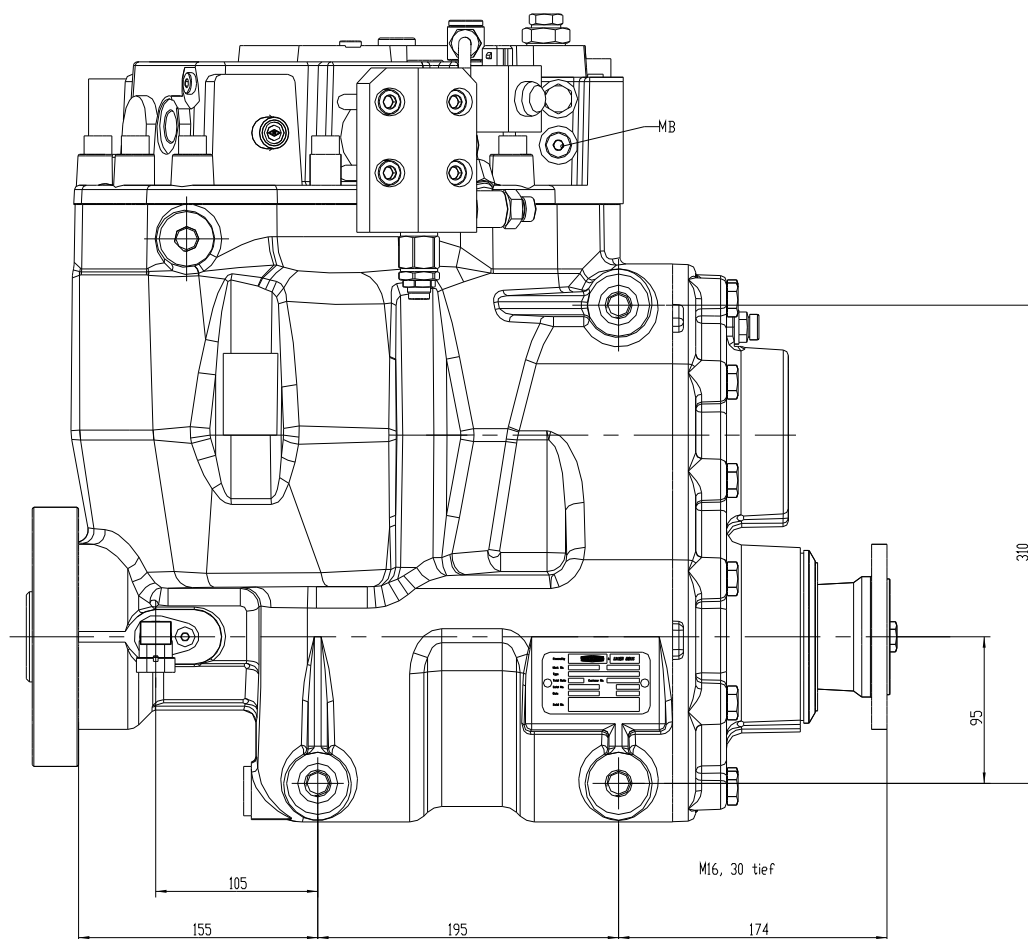


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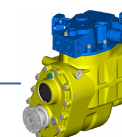
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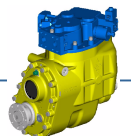
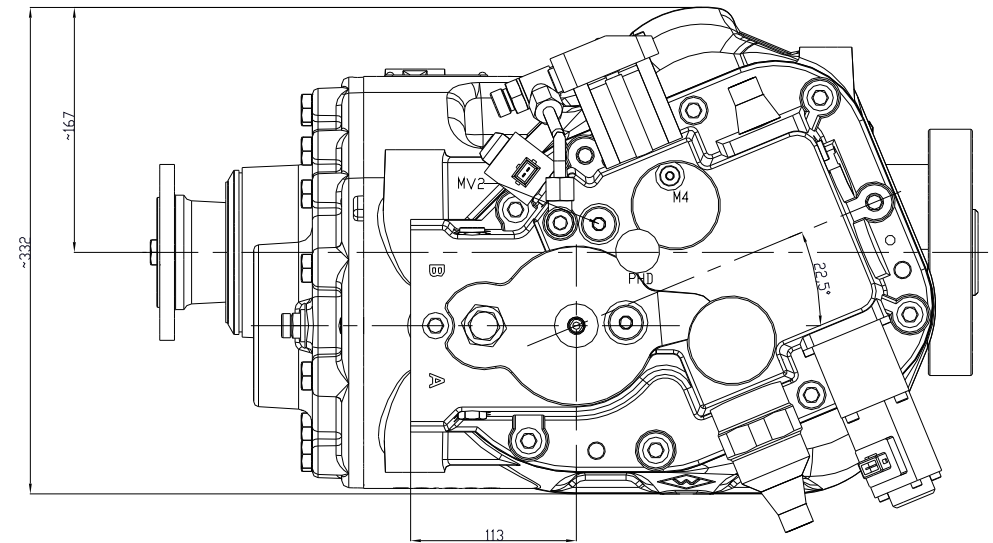
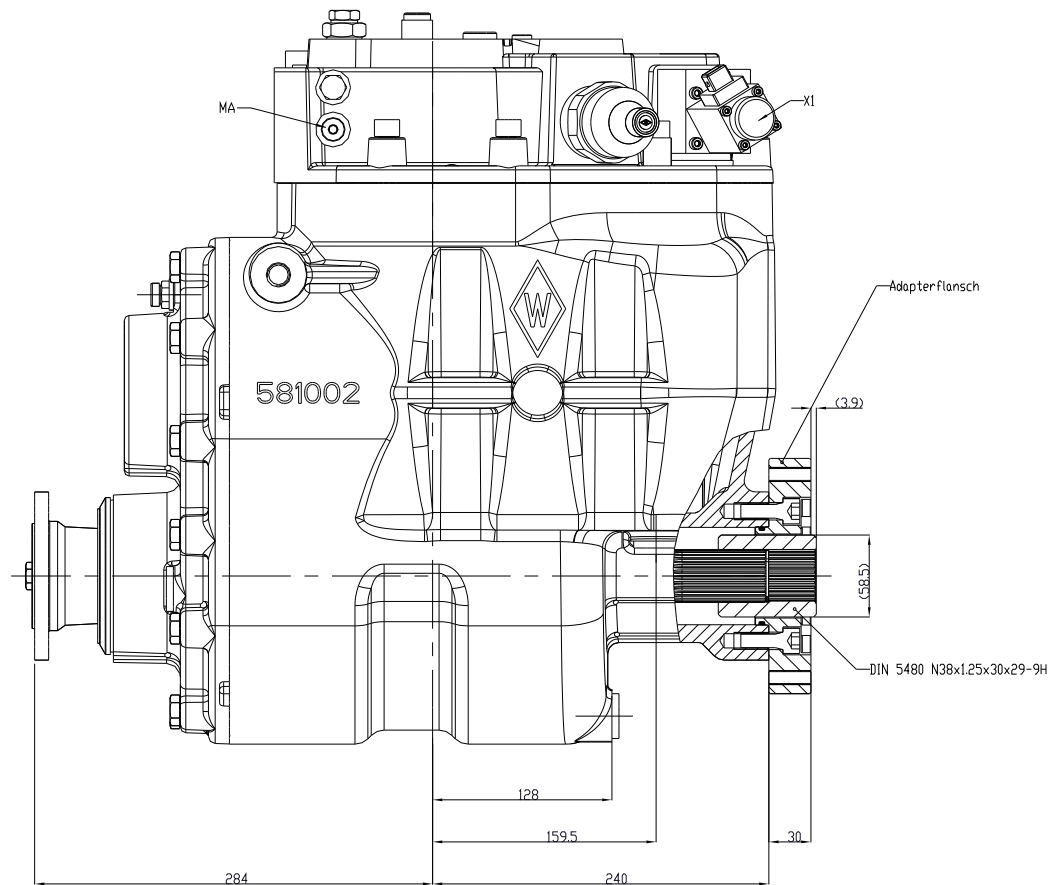
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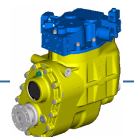
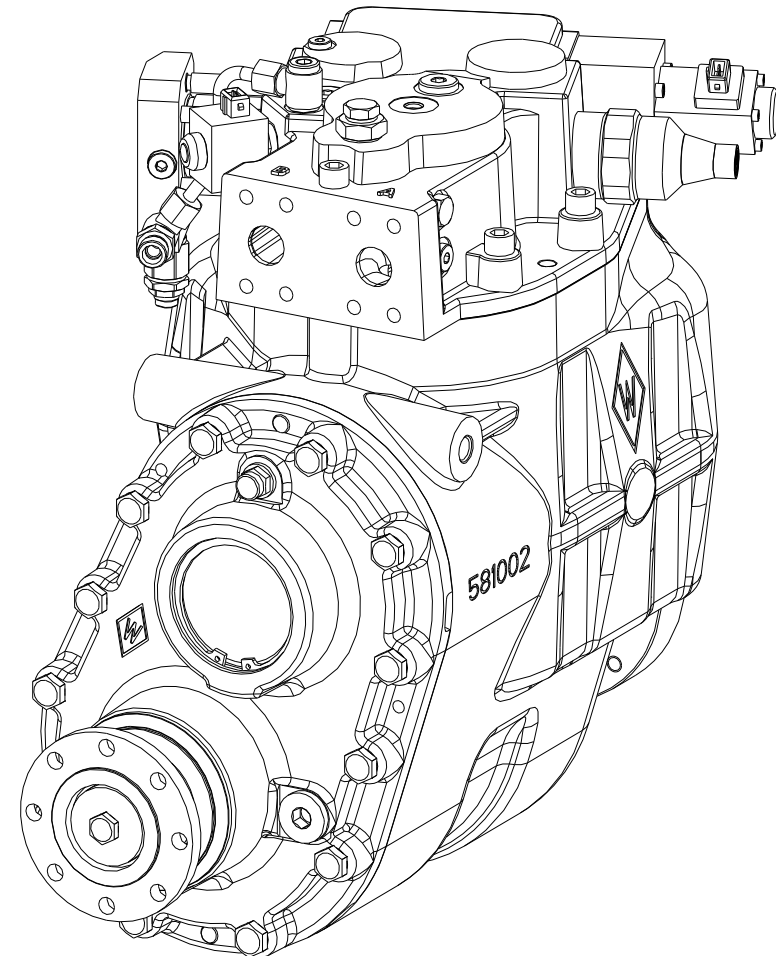
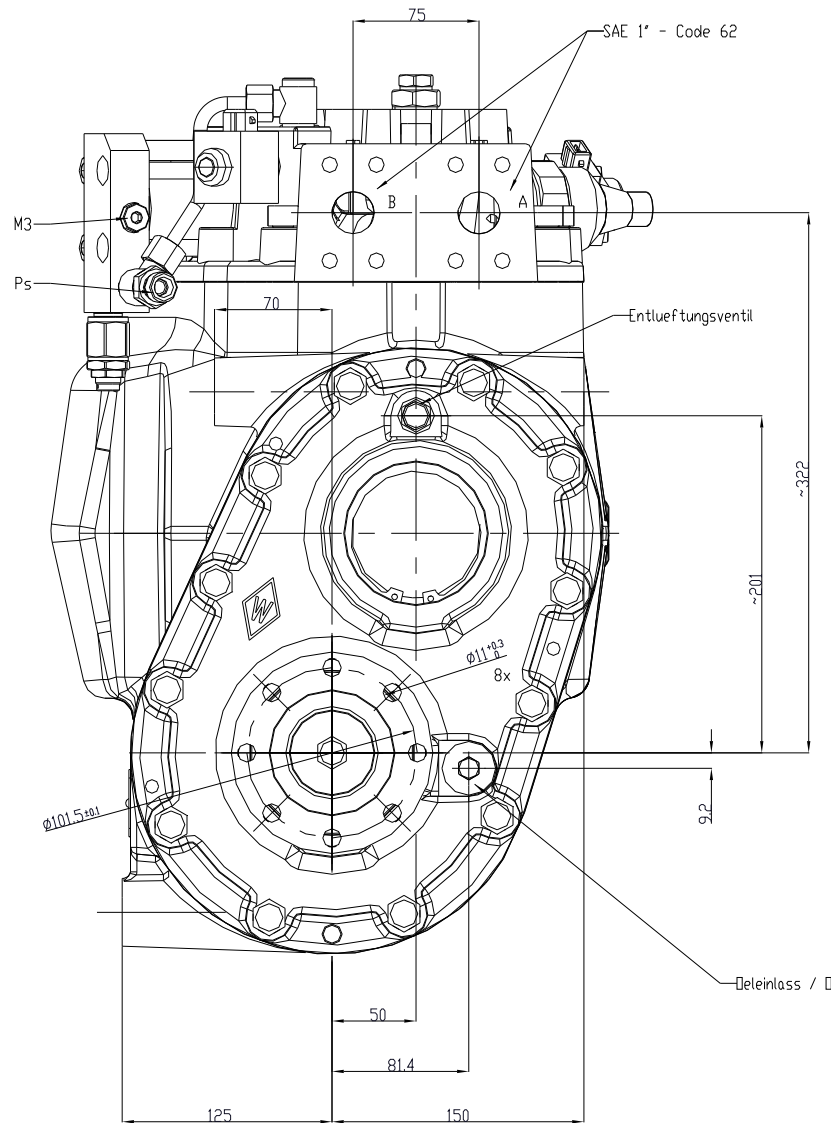
Einbaulage: 90° stehend



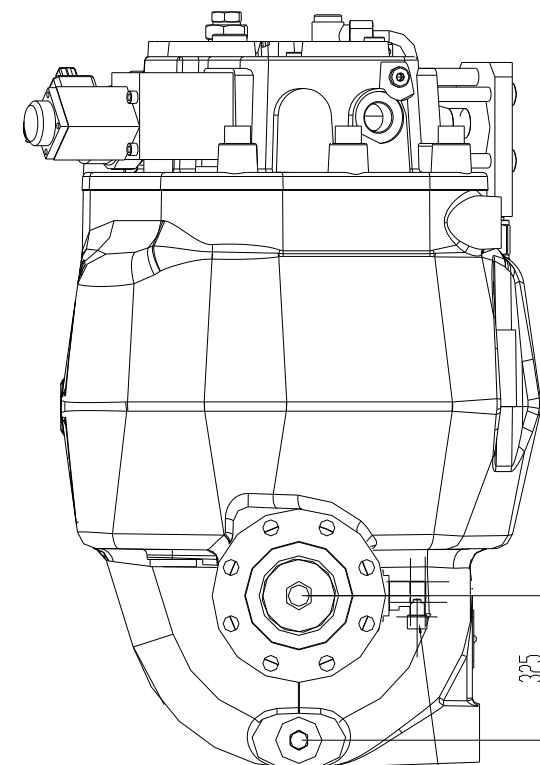
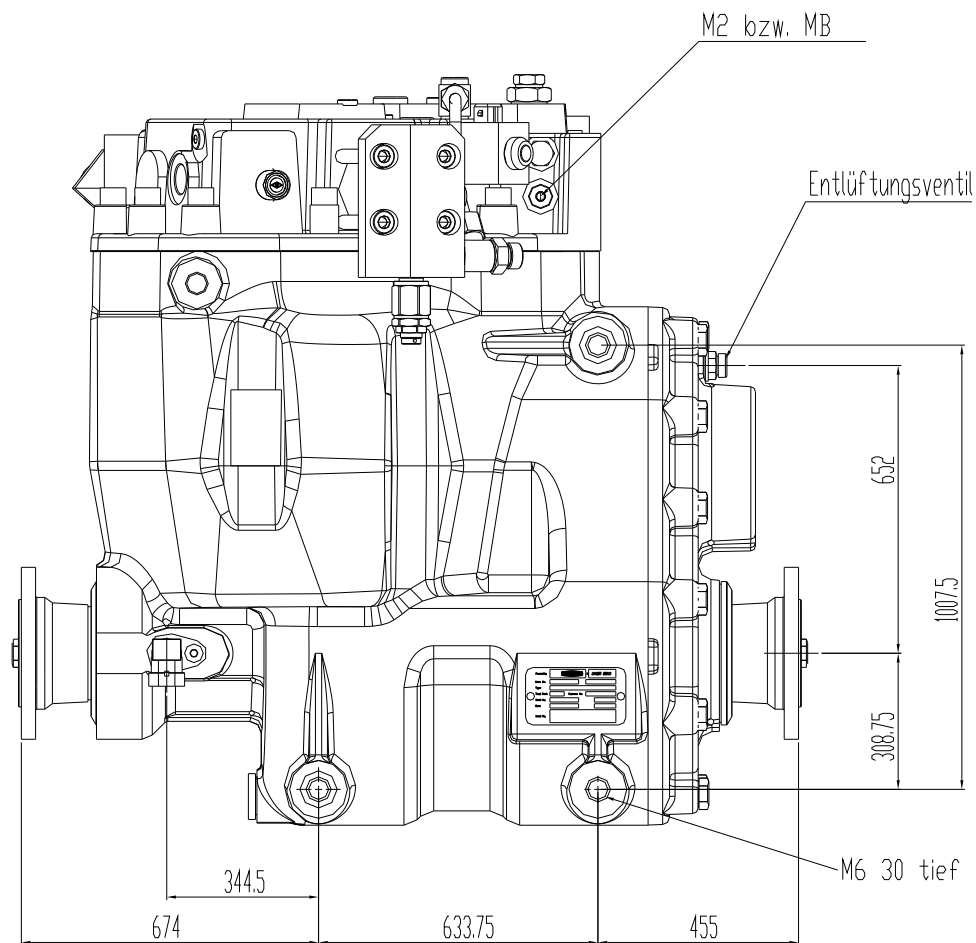
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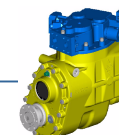


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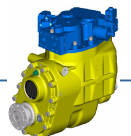
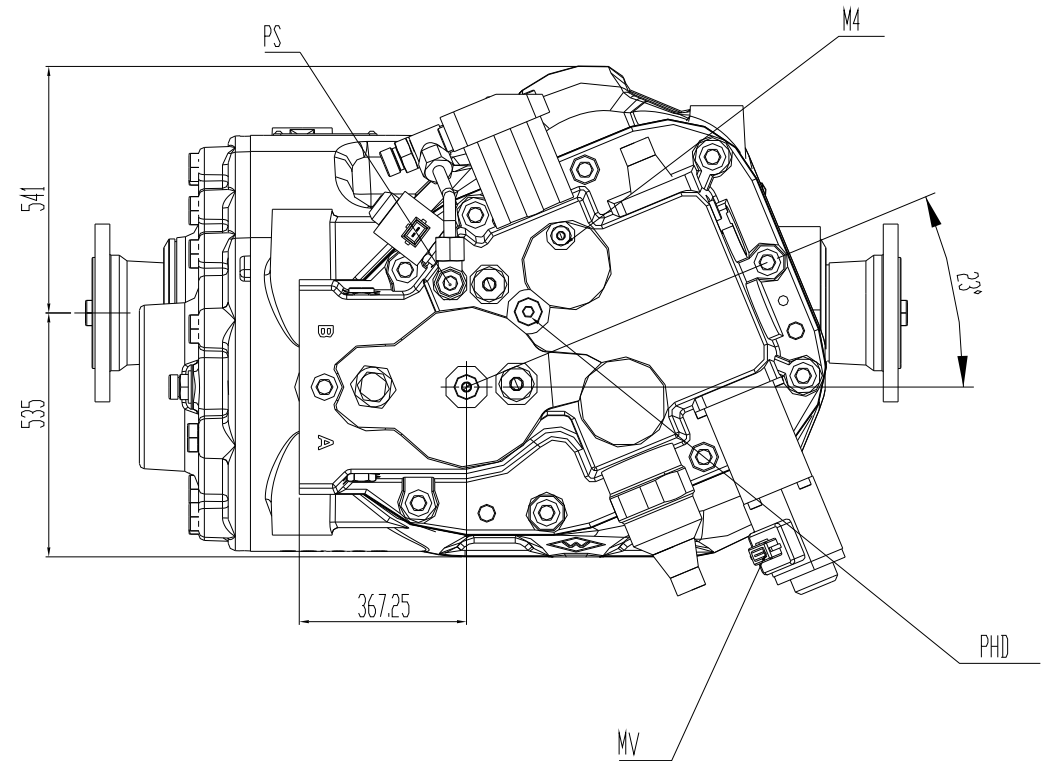
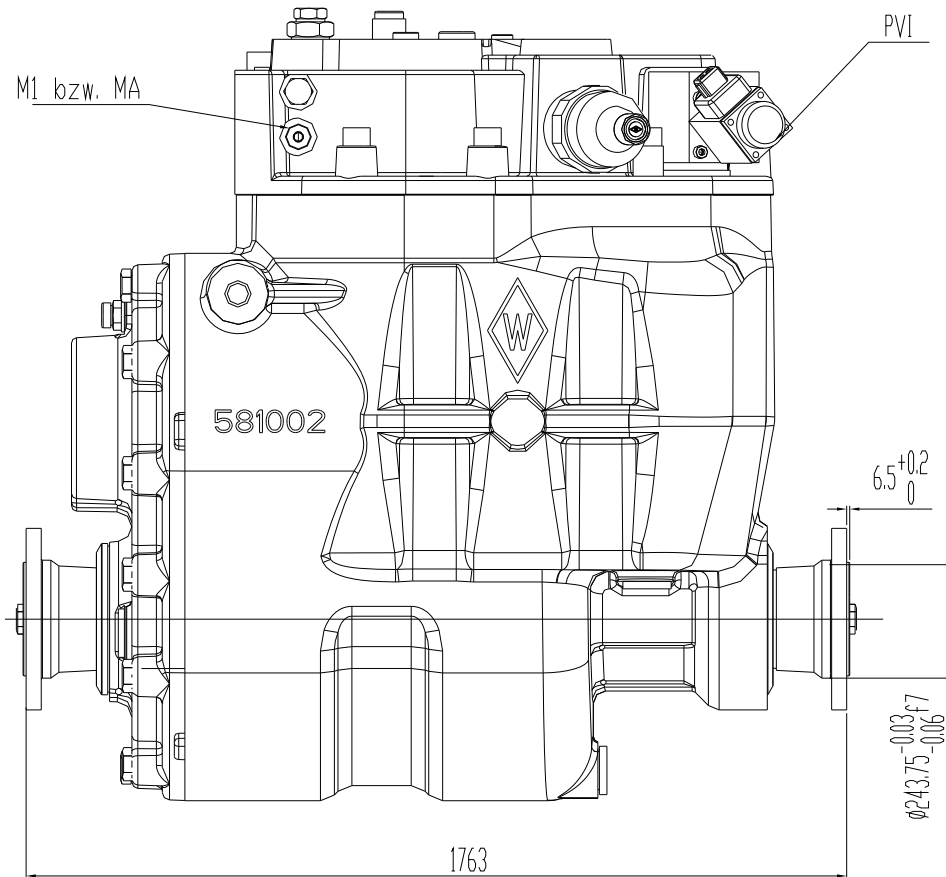


24 Impulse / Umdrehung

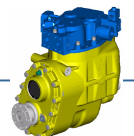
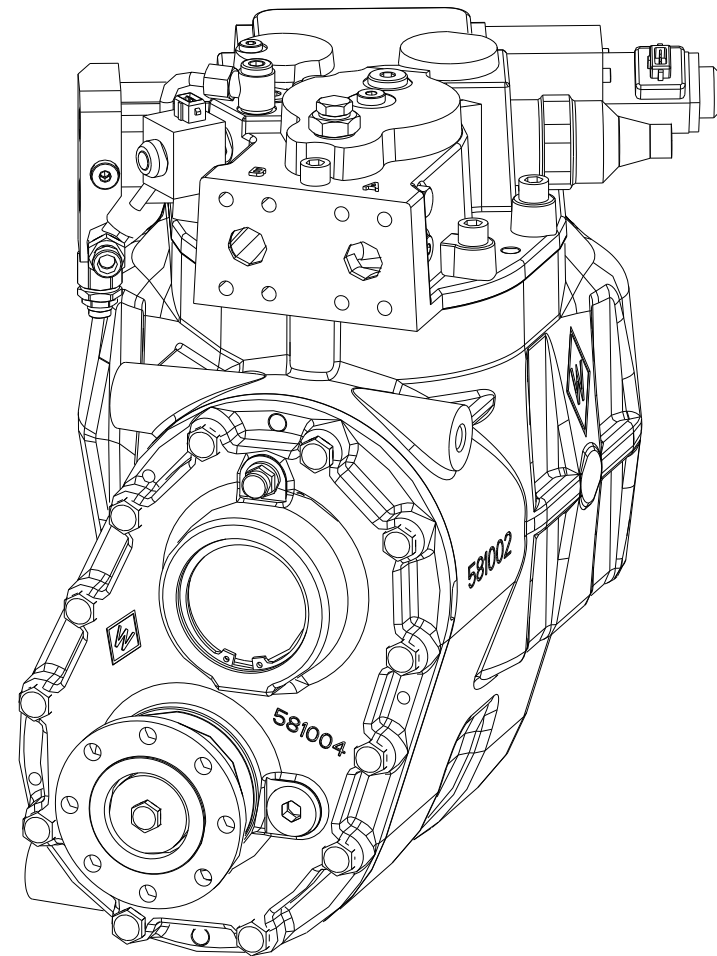
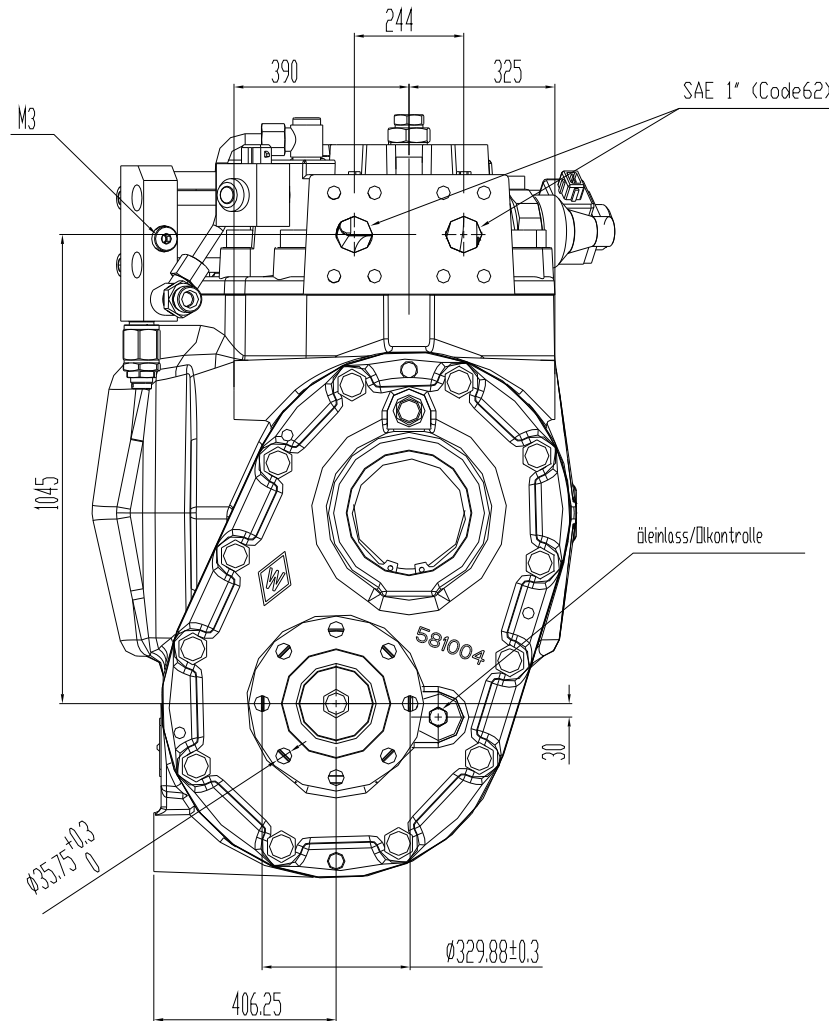
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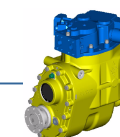


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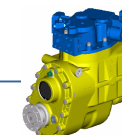


1.1.2 Technische Daten Technical data Données techniques

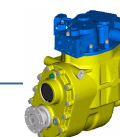
-max.Durchfluss A-B -max. flow A-B -écoulement maximal A-B	200 l/min
-max. Druck , kurzzeitig -maximum pressure, briefly -pression maximale, brièvement	480 bar 510 bar
-Steuerdruck an X1 -control pressure at X1 -pression fiscale à X1	5...21 bar
-Max. Gehäusedruck, kurzzeitig bei Kaltstart -max. housing pressure, briefly by cold starting -répression maximal, brièvement par commencer à froid	2 bar 5 bar
-Umgebungstemperatur, kurzzeitig -Enviroment temperature, briefly -Température ambiante, brièvement	-20°C...+50°C, +100°C
-Betriebsmittel HLP, kurzzeitig -Operational funds, briefly -Fonds d'opération, brièvement	-20°C...+80°C +115°C
-Viskositätsbereich/Viscosity range/Plage de viscosité kurzzeitig / briefly / brièvement empfohlene Betriebsviskosität recommended operating viscosity viscosité industrielle recommandée	$v_{min} = 7 \text{ mm}^2/\text{s}$ $v = 12-80 \text{ mm}^2/\text{s}$



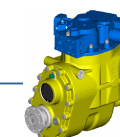
kurzzeitig bei Kaltstart briefly with cold weather starting brèvement avec un départ à froid	vmax = 1600 mm²/s
-Filterfeinheit -Degree of filtration -Degré de filtration	Das zu nutzende Filtersystem muss unter normalen Betriebsbedingungen die Reinheitsklasse 20/17/12 oder besser nach ISO 4406 gewährleisten. The filter system which can be used must ensure the category of purity 20/17/12 under normal operating condition or better according to ISO 4406 Le système de filtre à utiliser doit garantir sous des conditions d'exploitation normales la classe de pureté à 20/17/12 . Ou mieux après ISO 4406
-Spannungsart MV1 -Kind of voltage MV1 -Type de tension MV1	Gleichstrom 12 V 4,5 Ohm Direct current 12 V 4,5 Ohm Courant continu 12 V 4,5 Ohm
-Nennstrom -Rated current -Courant nominal	1,86 A
-Nennleistung -Power output -Puissance nominal	15,5 W
-Einschaltdauer -Duty cycle -Durée de mise en service	100 %



-Geprüft nach VDE 0580, Schutzart IP 65 -Examined according to VDE 0580, Insulation IP 65 -Examiné conformément à VDE 0580 Type de protection	
-Stecker -Plug socket -Raccord enfichable	JET (AMP-Junior)
-Spannungsart MV2 -Kind of voltage MV2 -Type de tension MV2	Gleichstrom 12 V Direct current 12 V Courant continu 12 V
-Nennstrom -Rated current -Courent nominal	1,41 A
-Nennleistung -Power output -Puissance nominal	17 W
-Einschaltdauer -Duty cycle -Durée de mise en service	100 %
-Geprüft nach VDE 0580 - Schutzart IP 65 -Examined according to VDE 0580 - Insulation IP 65 -Examiné conformément à VDE 0580 - Type de protection	



-Stecker -Plug socket -Raccord enfichable	JET (AMP-Junior)
-Anschlüsse -Connections -Raccordements	
A , B	SAE 1" (Code 62) **
T	M22x1,5
X1	M14x1,5
Ps	DIN 3861 (10L)
MA, MB, M3, PHD, X2	M12x1,5
M4	M10x1
** nutzbare Gewindelänge 18mm ** usable length of thread 18mm ** longueur utilisable de fil 18mm	



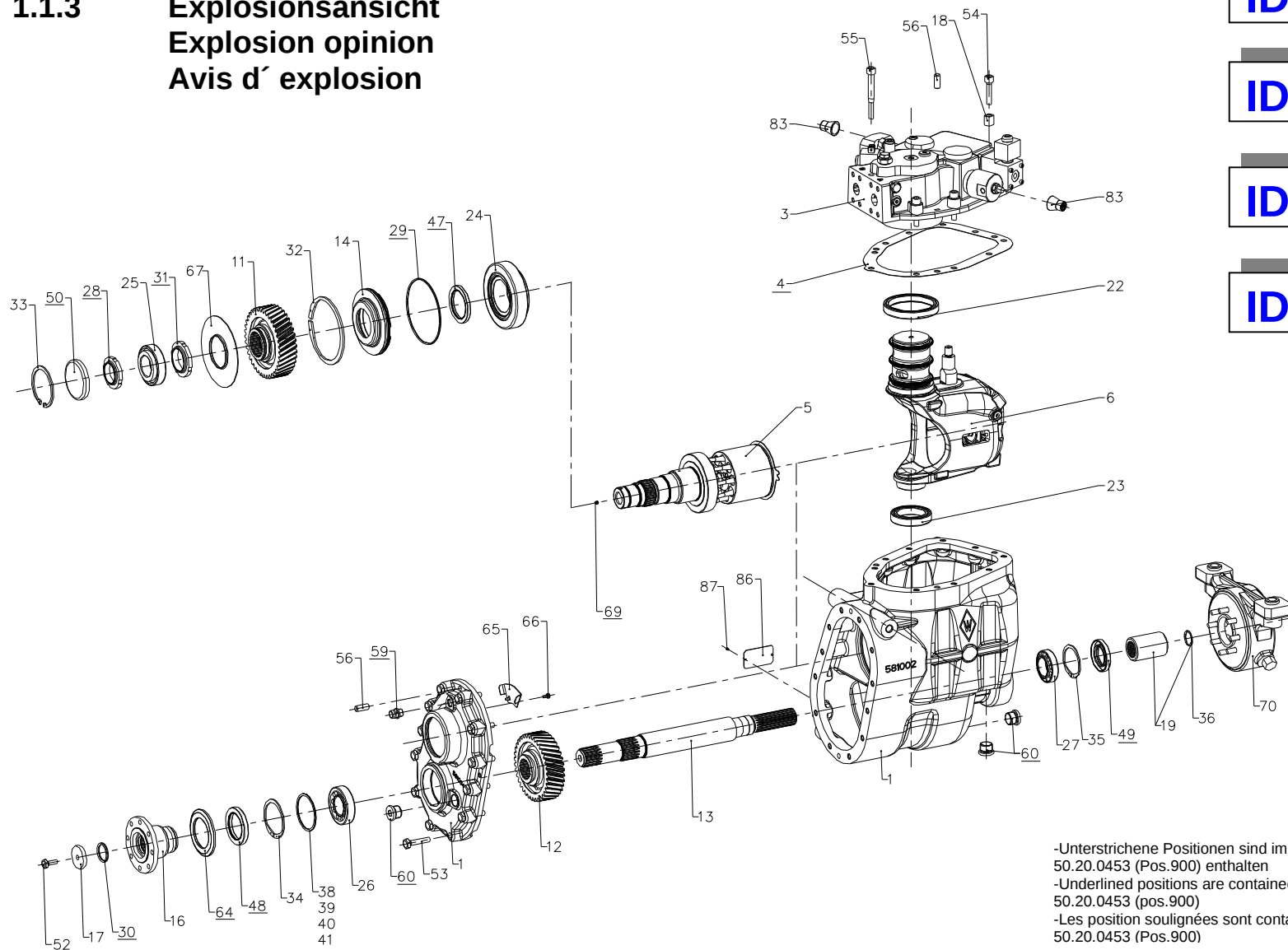
1.1.3 Explosionsansicht Explosion opinion Avis d'explosion

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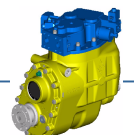
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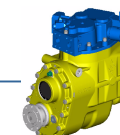
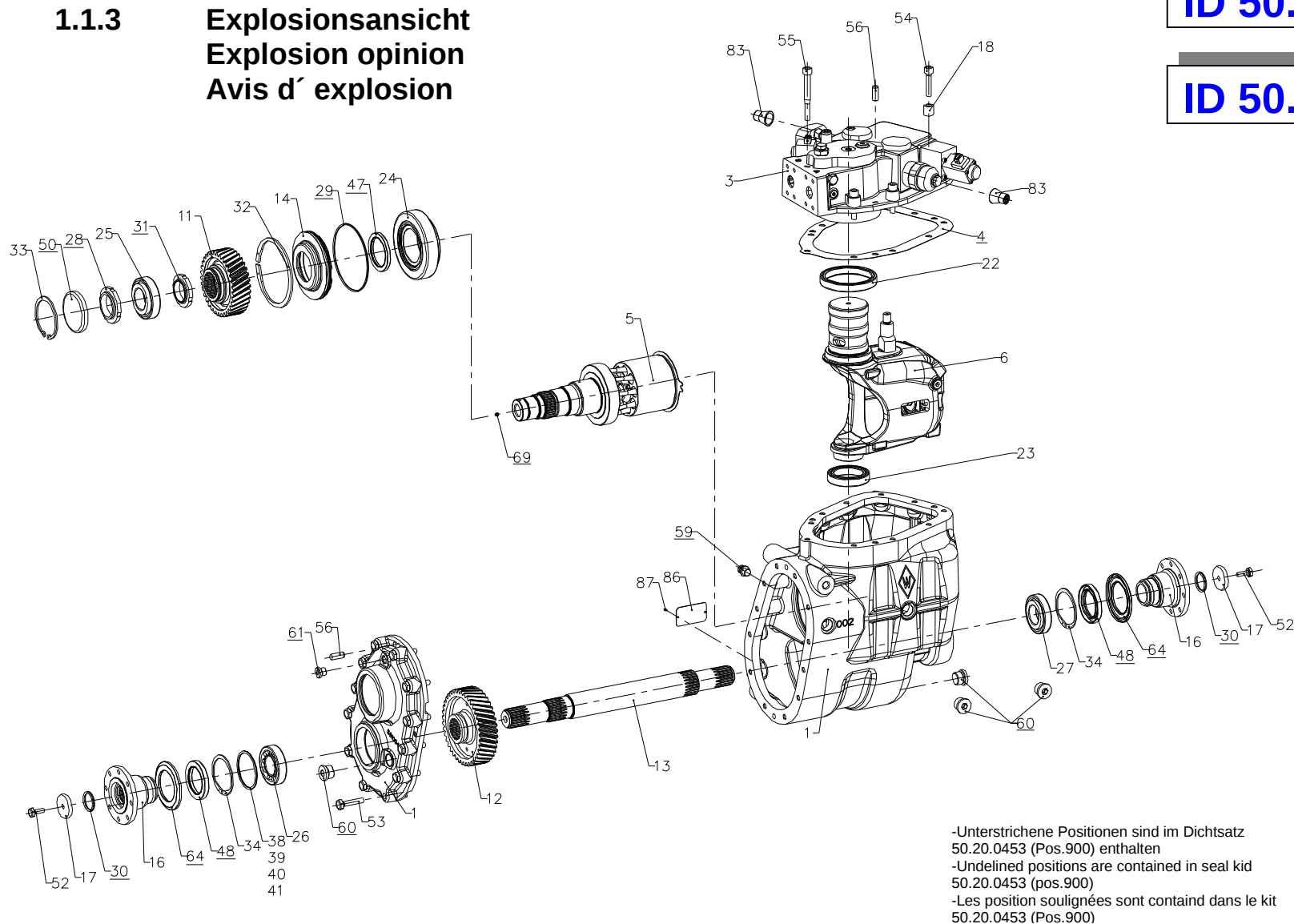
-Unterstrichene Positionen sind im Dichtsatz
50.20.0453 (Pos.900) enthalten
-Underlined positions are contained in seal kid
50.20.0453 (pos.900)
-Les position soulignées sont contaiind dans le kit
50.20.0453 (Pos.900)



1.1.3 Explosionsansicht Explosion opinion Avis d'explosion

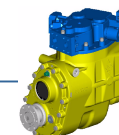
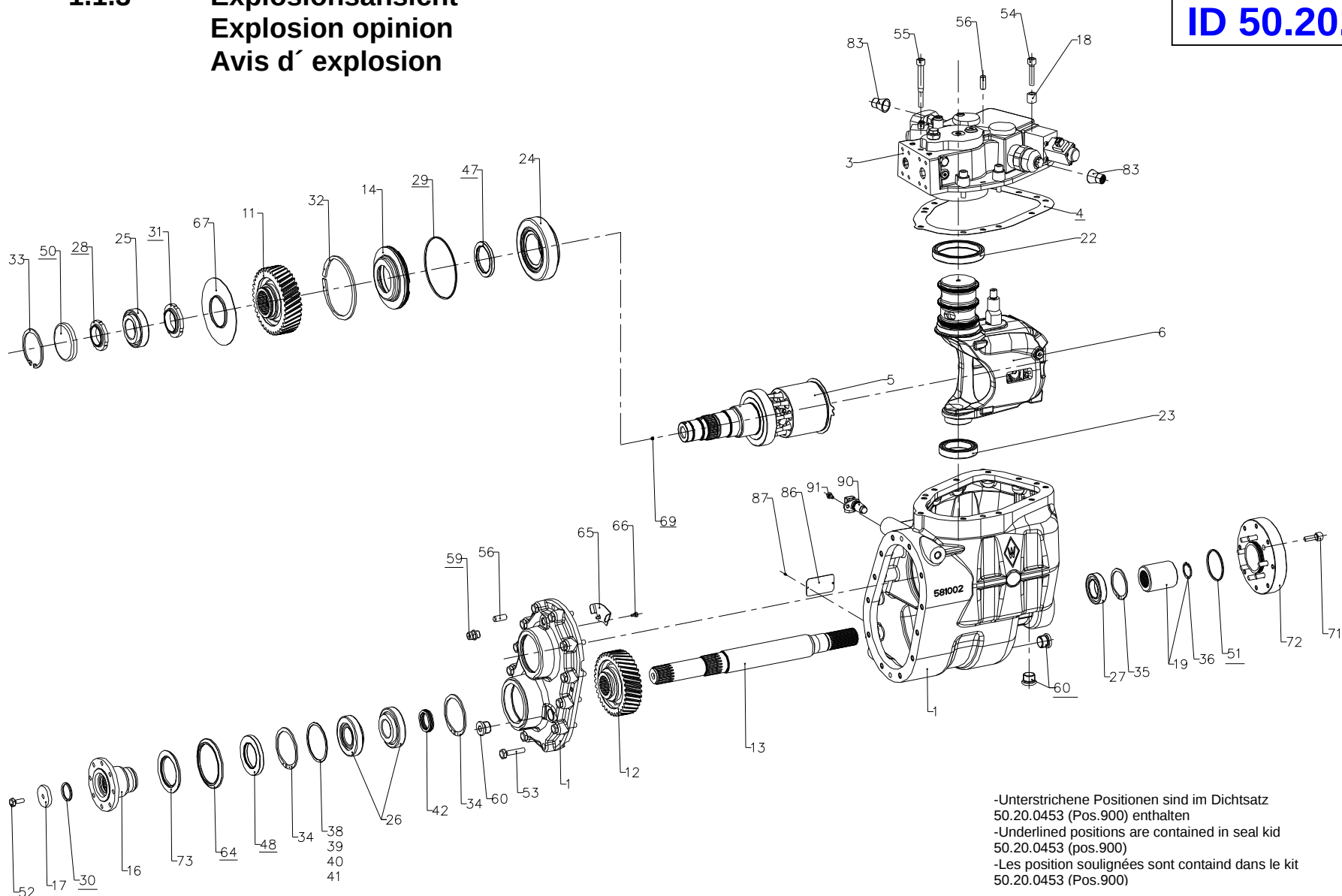
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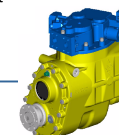
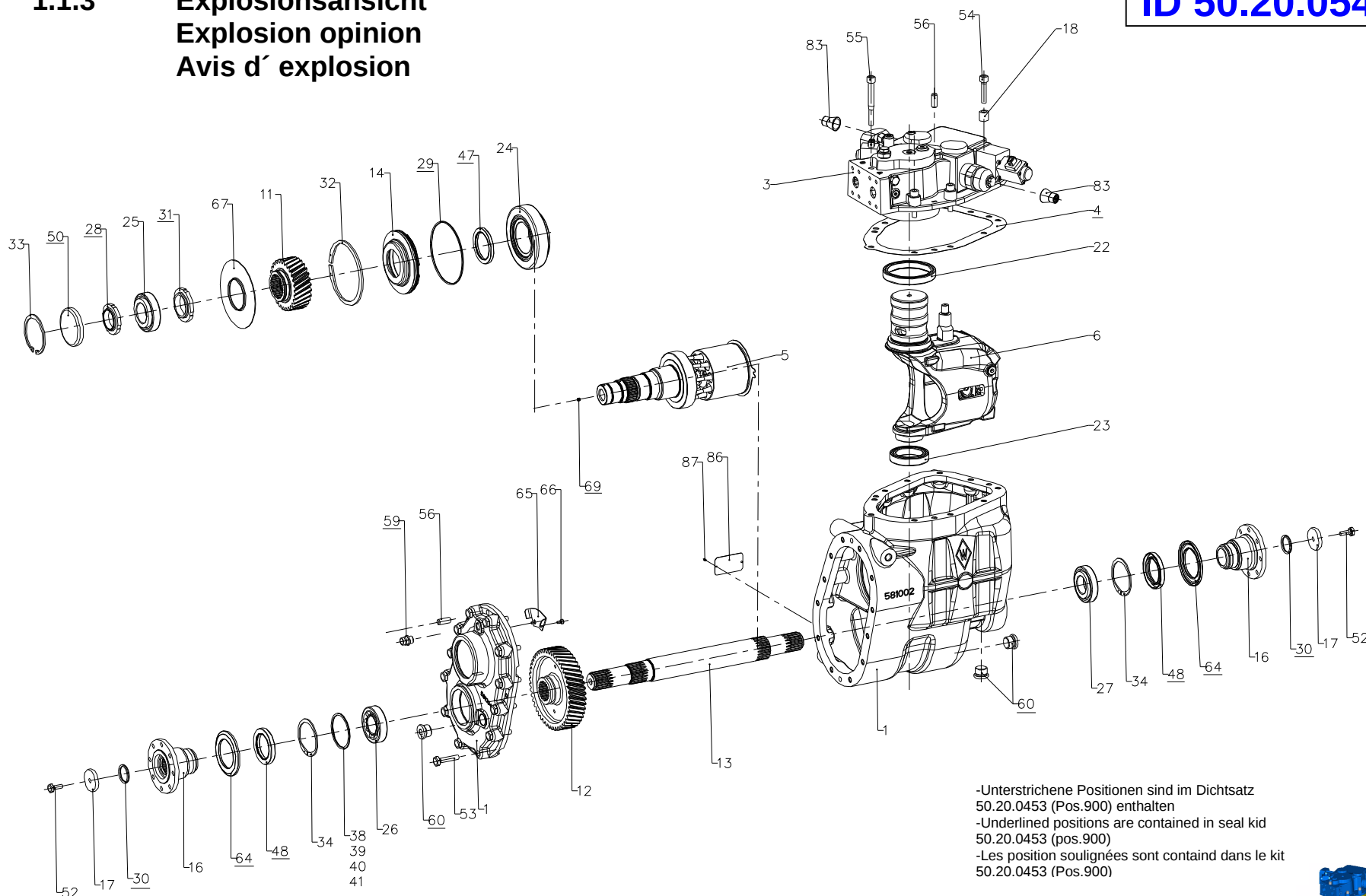
1.1.3 Explosionsansicht Explosion opinion Avis d'explosion

ID 50.20.0400



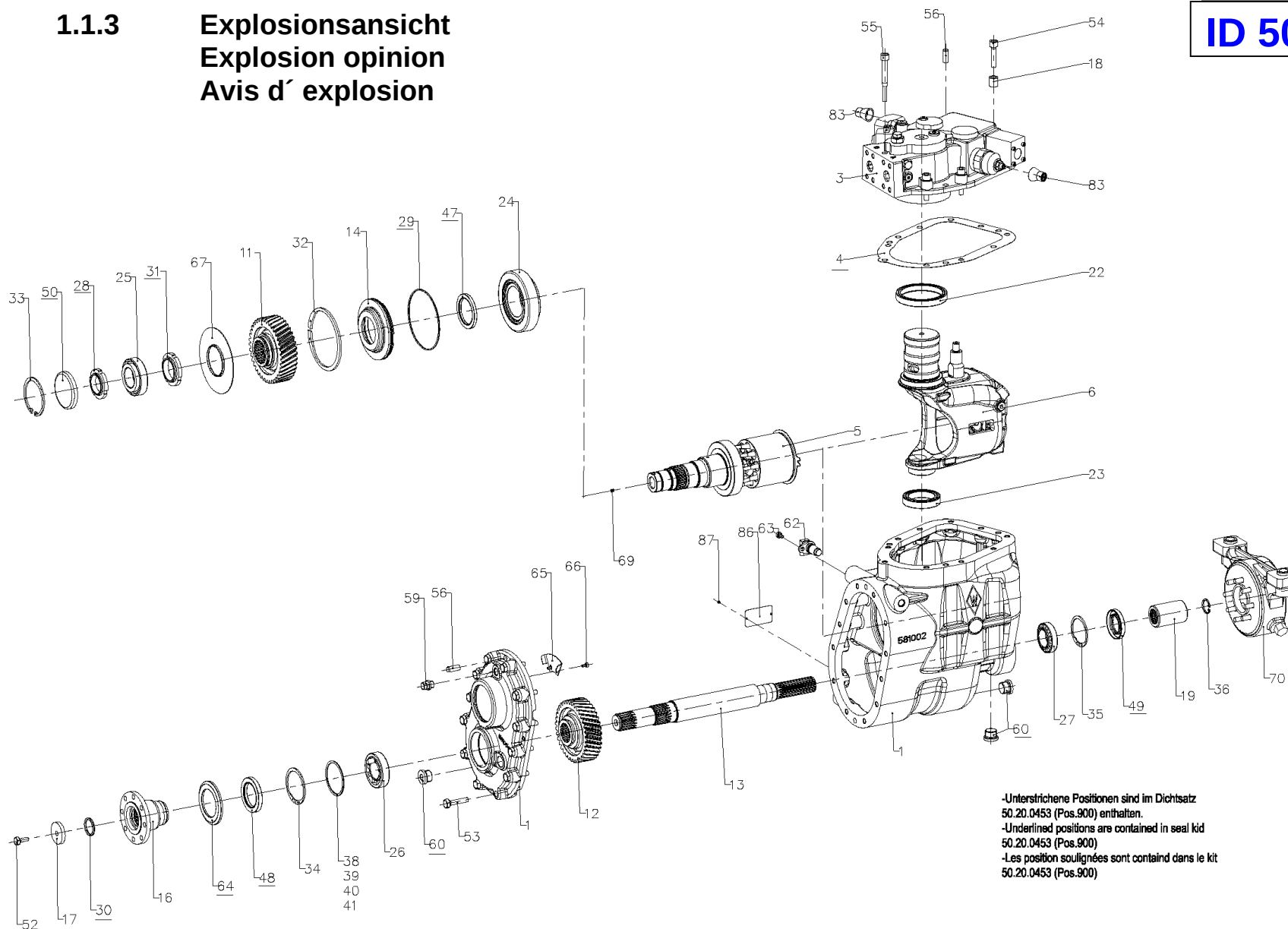
1.1.3 Explosionsansicht Explosion opinion Avis d'explosion

ID 50.20.0545

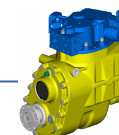


1.1.3 Explosionsansicht Explosion opinion Avis d'explosion

ID 50.20.0212

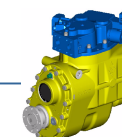


-Unterstrichene Positionen sind im Dichtsatz
50.20.0453 (Pos.900) enthalten.
-Underlined positions are contained in seal kit
50.20.0453 (Pos.900)
-Les position soulignées sont contaid dans le kit
50.20.0453 (Pos.900)

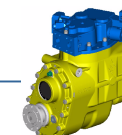


1.1.4 Stückliste Parts list Liste de pièces

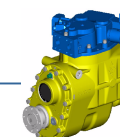
Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
1		1	Gehäuse kpl.	Gear case cpl.	Carter cpl.
	50.20.0533		in 652299, 50.10.0011, 652308, 652542, 50.20.0212		
	50.20.0534		in 50.10.0155, 50.20.0560		
	50.20.0625		in 50.20.0400		
	50.20.0732		in 50.20.0545		
3		1	Steuerdeckel	Adjustment cover	Couverture d'ajustment
	652294		in 652299		
	50.10.0059		in 50.10.0011		
	50.10.0009		in 652308		
	50.10.0066		in 652542		
	50.20.0181		in 50.10.0155, 50.20.0400, 50.20.0560		
	50.20.0452		in 50.20.0545		
	50.20.0501		In 50.20.0212		
4	50.20.0286	1	Dichtung	Gasket	Joint
5	518889	1	Kit Enbausatz Motor III	Hydraulik motor III	Moteur hydraulique
6	50.20.0287	1	Schwenkbügel 233 kpl.	Swivel yoke	Carter de pivotment



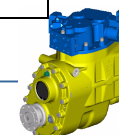
Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
11		1	Stirnrad	Cylindrical gear	Roue cylindrique
	50.20.0288		in 652299, 50.10.0011, z=38		
	50.20.0449		in 652308, z=33		
	50.20.0457		in 652542, 50.20.0545, z=28		
	50.20.0433		in 50.10.0155, z=34		
	50.20.0628		in 50.20.0400, z=38		
	50.20.0727		in 50.20.0560, z=31		
	50.20.0407		In 50.20.0212, z=38		
12		1	Stirnrad	Cylindrical gear	Roue cylindrique
	50.20.0289		in 652299, 50.10.0011, z=36		
	50.20.0455		in 652308, z=41		
	50.20.0458		in 652542, 50.20.0545, z=46		
	50.20.0434		in 50.10.0155, z=40		
	50.20.0629		in 50.20.0400, z=36		
	50.20.0728		in 50.20.0560, z=43		
	50.20.0408		In 50.20.0212, z=36		
13		1	Abtriebswelle	Output shaft	Arbre de sortie
	50.20.0290		in 652299, 50.10.0011, 652308, 652542, 50.20.0212		
	50.20.0409		in 50.10.0155, 50.20.0545. 50.20.0560		
	50.20.0631		in 50.20.0400		
14	50.20.0291	1	Distanzring	Spacer ring	Bague intermédiaire



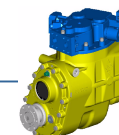
Pos.	Bestellnr. Order nr. No.d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
16	50.20.0293		Gelenkwellenflansch	Flange hub	Moyeu à bride
		1	in 652299, 50.10.0011, 652308, 652542, 50.20.0400, 50.20.0212		
		2	in 50.10.0155, 50.20.0545. 50.20.0560		
17	50.20.0294		Scheibe	Disc	Disque
		1	in 652299, 50.10.0011, 652308, 652542, 50.20.0400, 50.20.0212,		
		2	in 50.10.0155, 50.20.0545. 50.20.0560		
18	50.20.0295	2	Distanzbuchse	Bush	Douille entretoise
19		1	Profilbuchse kpl.	Splined sleeve cpl.	Douille cannelée cpl.
	50.20.0296		in 652299, 50.10.0011, 652308, 652542, 50.20.0212		
	50.20.0651		50.20.0400		
22	50.20.0297	1	Zylinderrollenlager ...	Single-row cylindrical roller bearing	Roulement à galets cylindriques
23	50.20.0298	1	Zylinderrollenlager...	Single-row cylindrical roller bearing	Roulement à galets cylindriques
24	50.20.0299	1	Kegelrollenlager	Taper roller bearing	Roulement à rouleaux coniques
25	50.20.0410	1	Kegelrollenlager	Taper roller bearing	Roulement à rouleaux coniques



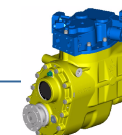
Pos.	Bestellnr. Order nr. No.d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
26			Kegelrollenlager	Taper roller bearing	Roulement à rouleaux coniques
	50.20.0301	1	in 652599, 50.10.0011, 652308, 652542, 50.0.0155, 50.20.0545, 50.20.0560, 50.20.0212		
	50.20.0632	2	in 50.20.0400.		
27		1	Kegelrollenlager	Taper roller bearing	Roulement à rouleaux coniques
	50.20.0302		in 652299, 50.10.0011, 652308, 652542, 50.20.0212		
	50.20.0411		in 50.10.0155, 50.20.0545, 50.20.0560		
	50.20.0633		Zylinderrollenlager in 50.20.0400	Single-row cylindrical roller bearing	Roulement à galets cylindriques
28	50.20.0412	1	Nutmutter	Slotted round nut for hook spanner	Ecrou cylindrique à encoches
29	50.20.0303	1	O-Ring	Sealing ring	Joint circulaire
30	50.20.0304		O-Ring	Sealing ring	Joint circulaire
		1	in 652299, 50.10.0011, 652308, 652542, 50.20.0400, 50.20.0212		
		2	in 50.10.0155, 50.20.0545, 50.20.0560		
31	50.20.0305	1	Nutmutter	Slotted round nut for hook spanner	Ecrou cylindrique à encoches



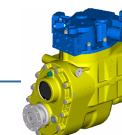
Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
32	50.20.0306	1	Sicherungsring	Circlip	Segment d'arrêt
33	50.20.0541	1	Sicherungsring	Circlip	Segment d'arrêt
34			Sicherungsring	Circlip	Segment d'arrêt
	392431	1	in 652299, 50.10.0011, 652308, 652542, 50.20.0212		
	392431	2	in 50.10.0155, 50.20.0545, 50.20.0560		
	50.20.0307	2	in 50.20.0400		
35	50.20.0308	1	Sicherungsring	Circlip	Segment d'arrêt
36	50.20.0456	1	Sicherungsring	Circlip	Segment d'arrêt
38			Passscheibe 0,1	Shim	Bague d'ajustage
	50.20.0310	2	in 652299, 50.10.0011, 652308, 652542, 50.10.0155, 50.20.0545, 50.20.0560, 50.20.0212		
	50.20.0314	2	in 50.20.0400		
39			Passscheibe 0,3	Shim	Bague d'ajustage
	50.20.0311	2	in 652299, 50.10.0011, 652308, 652542, 50.10.0155, 50.20.0545, 50.20.0560, 50.20.0212		
	50.20.0315	2	in 50.20.0400		



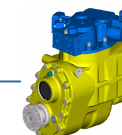
	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
40			Passscheibe 0,5	Shim	Bague d'ajustage
	50.20.0312	1	in 652299, 50.10.0011, 652308, 652542, 50.10.0155, 50.20.0545, 50.20.0560, 50.20.0212		
	50.20.0316	1	in 50.20.0400		
41			Passscheibe 1,0	Shim	Bague d'ajustage
	50.20.0313	1	in 652299, 50.10.0011, 652308, 652542, 50.10.0155, 50.20.0545, 50.20.0560, 50.20.0212		
	50.20.0317	1	in 50.20.0400		
42	50.20.0639	4	Stützscheibe	Shim	Bague d'ajustage
47	50.20.0318	1	Radialwellendichtung	Radial seal	Joint radial
48			Radialwellendichtung	Radial seal	Joint radial
	50.20.0319	1	in 652299, 50.10.0011, 652308, 652542, 50.20.0212		
	50.20.0319	2	in 50.10.0155, 50.20.0545, 50.20.0560		
	50.20.0646	1	in 50.20.0400		



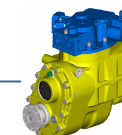
Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
49	50.20.0320	1	Radialwellendichtung	Radial seal	Joint radial
50	50.20.0542	1	Verschlusskappe	Cap	Capuchon
51	50.20.0647	1	O-Ring	Sealing ring	Joint circulaire
52	50.20.0331		Sechskantschraube	Hexagon headed screw	Vis à tête hexagonale
		1	in 652299, 50.10.0011, 652308, 652542, 50.20.0400, 50.20.0212		
		2	in 50.10.0155, 50.20.0545, 50.20.0560		
53	50.20.0332	12	Sechskantschraube	Hexagon headed screw	Vis à tête hexagonale
54	50.20.0333	9	Zylinderschraube	Hexagon socket head cap	Vis à tête cylindrique
55	50.20.0334	1	Zylinderschraube	Hexagon socket head cap	Vis à tête cylindrique à six pans creux
56	50.20.0335	5	Zylinderstift	Cylindrical dowel	Goupille fendue
59	50.20.0336	1	Gewindelüfter	Breather screw	Vis d'aération
60	50.20.0337		Verschlussschraube	Hexagon head plug	Bouchon fileté d'obturation
		3	in 652299, 50.10.0011, 652308, 652542, 50.20.0400, 50.20.0545, 50.20.0212		
		4	in 50.10.0155, 50.20.0560		
61	50.20.0435	1	Verschlussschraube	Hexagon head plug	Bouchon fileté d'obturation
62	50.20.0756		Drehzahlsensor Hall Effect	Speed sensor	Senseur
		1	In 50.20.0212		



Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
63	50.20.0597		Schraube	Screw	Vis
		1	In 50.20.0212		
64			VRM-Ring	VRM-ring	Joint à frottement axial
	50.20.0338	1	in 652299, 50.10.0011, 652308, 652542, 50.20.0212		
	50.20.0338	2	in 50.10.0155, 50.20.0545, 50.20.0560		
	50.20.0641	1	in 50.20.0400		
65	50.20.0339	1	Prallblech	Buffle plate	Tôle
66	50.20.0340	2	Zylinderschraube	Hexagon socket head capscrew	Vis à tête cylindrique à six pans creux
67	50.20.0341	1	Schleuderblech	Skidpad	Tôle
69	50.20.0543	1	Stopfen	Plug	Obturateur
70	652228	1	Anbaukit Getriebe-Achse	Driving gear axis	Transmission axe
71	50.20.0642	8	Zylinderschraube	Hexagon socket head capscrew	Vis à tête cylindrique à six pans creux
72	50.20.0643	1	Flanschadapter	Flange adapter	Adaptateur de bride
73	50.20.0644	1	Adapter-Ring	Adapter ring	Anneau d' adaptateur
80	50.20.0342	3	Dichtschraube	Sealing screw	Vis d' étanchéité
81	50.20.0343	1	Dichtschraube	Sealing screw	Vis d' étanchéité
82	50.20.0344	1	Dichtschraube	Sealing screw	Vis d' étanchéité
83	50.20.0345	2	Sicherungskappe	Safety cap	Chapeau safty

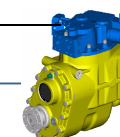


Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
86	50.20.0347	1	Typenschild	Name plate	Plaque signalétique
87	50.20.0348	2	Kerbnagel	Half round head locking pin	Goupille cannelée à tête ronde
90	50.10.0010	1	Drehzahlsensor	r.p.m. sensor	Capteur de vitesse
91	50.20.0597	1	Zylinderschraube	Hexagon socket head cap	Vis à tête cylindrique à six pans creux
900	50.20.0453	1	Dichtsatz kpl.	Seal kit (completely)	Jeu de joints (complètement)

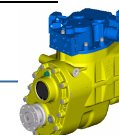


1.1.5 Montagehinweise Assembling instructions Indications d'assemblage

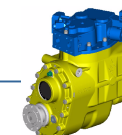
Pos.	Benennung Description Désignation
5	Einbaulage der Ventilplatte (Unterteil von Pos.5) beachten. Installation position of valve plate. (Lower part from Pos.5) consider. Situation d'installation de la plat de valva (Partie inférieure de la Pos.5) Considérer.
11 ;12	Stirnräder vor Montage auf 120° C erwärmen. Spur wheels before assembly on 120 degrees heat up. Stimulez les roues avant assemblée sur 120 degrés de chaleur vers le haut.
16	Vor Montage auf 80°C erwärmen. Before assembly warm up to 80°C. Avant préchauffage d' assemblée à 80°C.
19	Bei Montage mit Loctite 8150 bestreichen. Coat when assembling with loctite 8150. Avec um assemblage avec des loctite 8150 enduire.
24;25 ; 26 ;27	Kegelrollenlager vor Montage auf 80°...120°C erwärmen. Taper roller bearing before assembly to 80°... 120°C warm up. Effilez les roulements à 80°...120°C de préchauffage.
31	Einstellung der Kegelrollenlager Pos.24 und Pos.25 vorgespannt mit 0,05...0,1mm (Schleppmoment ca. 7,0 Nm) Adjust of taper roller bearing Pos.24 and Pos.25 linked up with 0,05...0,1mm (Dragging moment ca.7,0 Nm) Ajustez du bearin de rouleau de cône Pos.24 et Pos.25 lié vers le haut avec 0,05...0,1mm (moment traînant 7 Nm)
28, 31	Sicherung der Nutmutter durch Verstemmen mit Nut von Pos.5 Safety device of the groove nut by fixing with the nut of pos.5 Dispositif de sécurité de 1' écrou de cannelure par fixer avec rainure de pos.5
32	Sicherungsring mit Öffnung auf Position "9:00 Uhr" montieren



33 ;34	Öffnung der Sicherungsringe über Ölkanal montiert Opening of the snap rings over oilkanal installs L' ouverture de l' oilkanal fini d' anneaux ressort installe
38 ;39 ; 40 ;41	Einstellung der Kegelrollenlager Pos.26 und Pos.27 axialspielfrei mit Schleppmoment $Ma=0,3+0,1$ Nm Adjust of taper roller bearing Pos.26 and Pos.27 axial play-free with dragging moment $Ma=0,3+0,1$ Nm Ajustez du bearin de rouleur de cône Pos.26 et Pos.27 jeu-libre axial avec le moment traînant $Ma=0,3+0,1$ Nm
47 ;48 ; 49	Für Montage geeignete Hilfsmittel verwenden (Beschädigung der Dichtlippe vermeiden) Use suitable aids before assembly (avoid damage of the sealing rim) Employez les aides appropriées devant assemblée (évitez les dommages de la jante de cachetage)
47 ;48 ; 49	Dicht- und Staublippe mit Wälzlagerfett bestreichen
52	Anziehdrehmoment $Ma=45+5$ Nm Torque data $Ma=45+5$ Nm Couple de serrage $Ma=45+5$ Nm
53	Anziehdrehmoment $Ma=80+10$ Nm Torque data $Ma=80+10$ Nm Couple de serrage $Ma=80+10$ Nm
54	Anziehdrehmoment $Ma=110+10$ Nm Torque data $Ma=110+10$ Nm Couple de serrage $Ma=110+10$ Nm
55	Anziehdrehmoment $Ma=110+10$ Nm Torque data $Ma=110+10$ Nm Couple de serrage $Ma=110+10$ Nm
59	Anziehdrehmoment $Ma=40+10$ Nm Torque data $Ma=40+10$ Nm Couple de serrage $Ma=40+10$ Nm
60	Anziehdrehmoment $Ma=100+10$ Nm Torque data $Ma=100+10$ Nm Couple de serrage $Ma=100+10$ Nm
61	Anziehdrehmoment $Ma=40+10$ Nm Torque data $Ma=40+10$ Nm Couple de serrage $Ma=40+10$ Nm



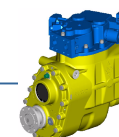
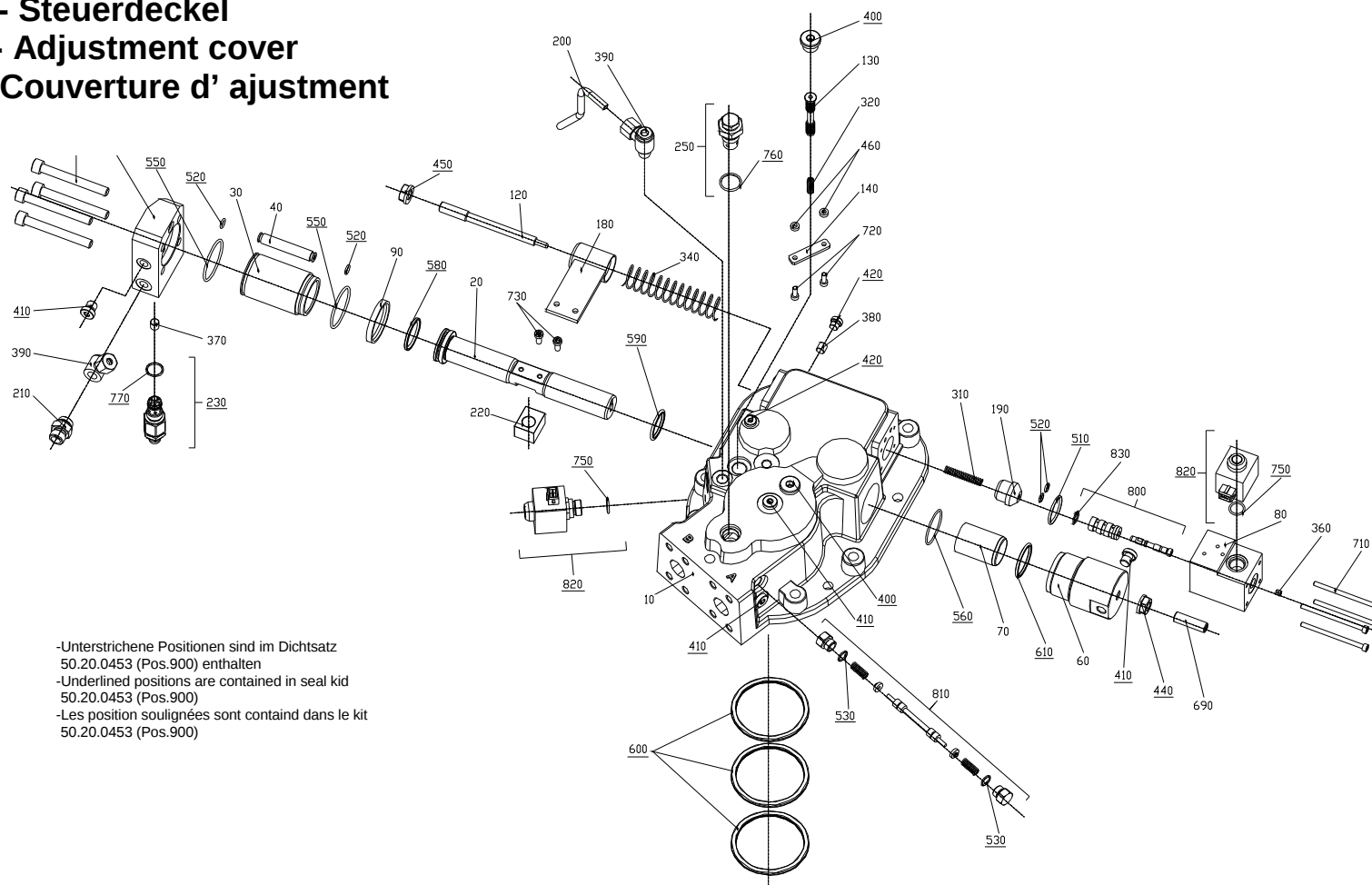
64	Vor Montage auf Gelenkwellenflansch Pos.16 Gummidichtring entfernen und auf 80° C erwärmen. Before assembly remove on drive shaft flange pos.16 rubber seal and warm up to 80°C. Devant assemblée enlevez sur le joint et le préchauffage en caoutchouc de la pos.16 de bride d' arbre d' entraînement sur 80°C
66	Anziehdrehmoment Ma=22+3 Nm Torque data Ma=22+3 Nm Couple de serrage Ma=22+3 Nm
67	Vor Montage auf 140°C erwärmen. Before assembly warm up to 140°C Avant préchauffage d' assemblée à 140°C
70	Anziehdrehmoment Zylinderschrauben (Unterteil von Pos.70) Ma=125+10 Nm Toque data cheese-head screws (Lower part from Pos.70) Ma=125+10 Nm Couple de serrage vis à tête cylindre (Partie inférieure de la Pos.70) Ma=125
71	Anziehdrehmoment Ma=80+10 Nm Torque data Ma=80+10 Nm Couple de serrage Ma=80+10 Nm
73	Vor Montage auf Gelenkwellenflansch Pos. 16 auf 80° C erwärmen Before assembly warm up to 80°C. Avant préchauffage d' assemblée à 80°C
91	Anziehdrehmoment Ma=22+3 Nm (Achtung: Zylinderschraube bei Montage mit Delo-ML 5328 bestreichen!) Torque data Ma=22+3 Nm Couple de serrage Ma=22+3 Nm
-	Alle metallischen Dichtflächen vor Montage mit Loctite 518 bestreichen. Before assembly all metallic sealing surfaces coat with Loctite 518. Devant assemblée toutes les surfaces d' étanchéité métalliques enduisent du Loctite 518



1.2 Steuerdeckel Adjustment cover Couverture d'ajustment

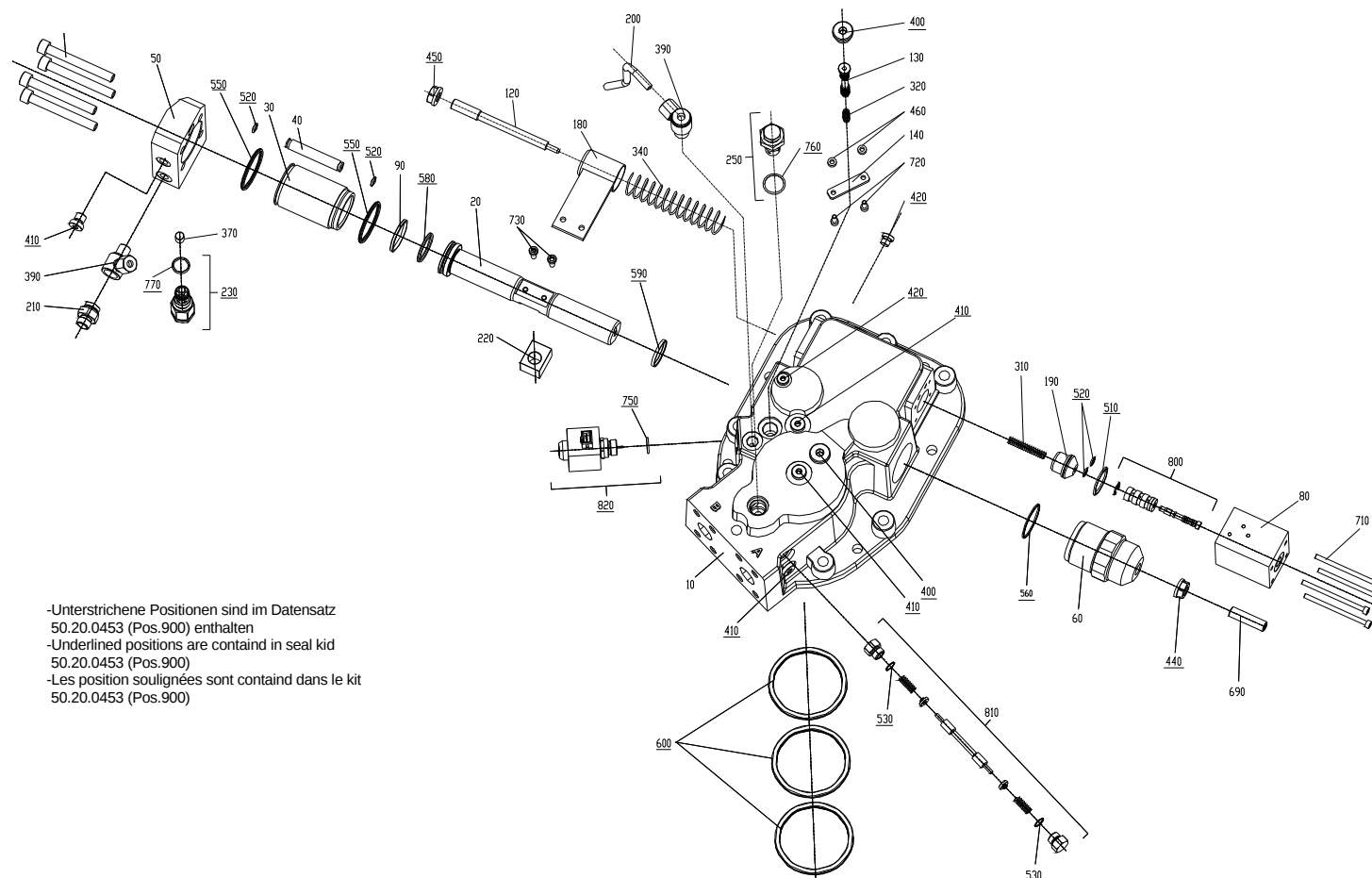
ID 652299

1.2.1 Explosionsansicht - Steuerdeckel Explosion opinion - Adjustment cover Avis d'explosion - Couverture d'ajustment (Pos.3 ID 652294)

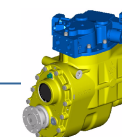


1.2.1 Explosionsansicht - Steuerdeckel Explosion opinion - Adjustment cover Avis d'explosion - Couverture d'ajustment (Pos.3 ID 50.10.0059)

ID 50.10.0011



-Unterstrichene Positionen sind im Datensatz
50.20.0453 (Pos.900) enthalten
-Underlined positions are contained in seal kit
50.20.0453 (Pos.900)
-Les position soulignées sont containt dans le kit
50.20.0453 (Pos.900)

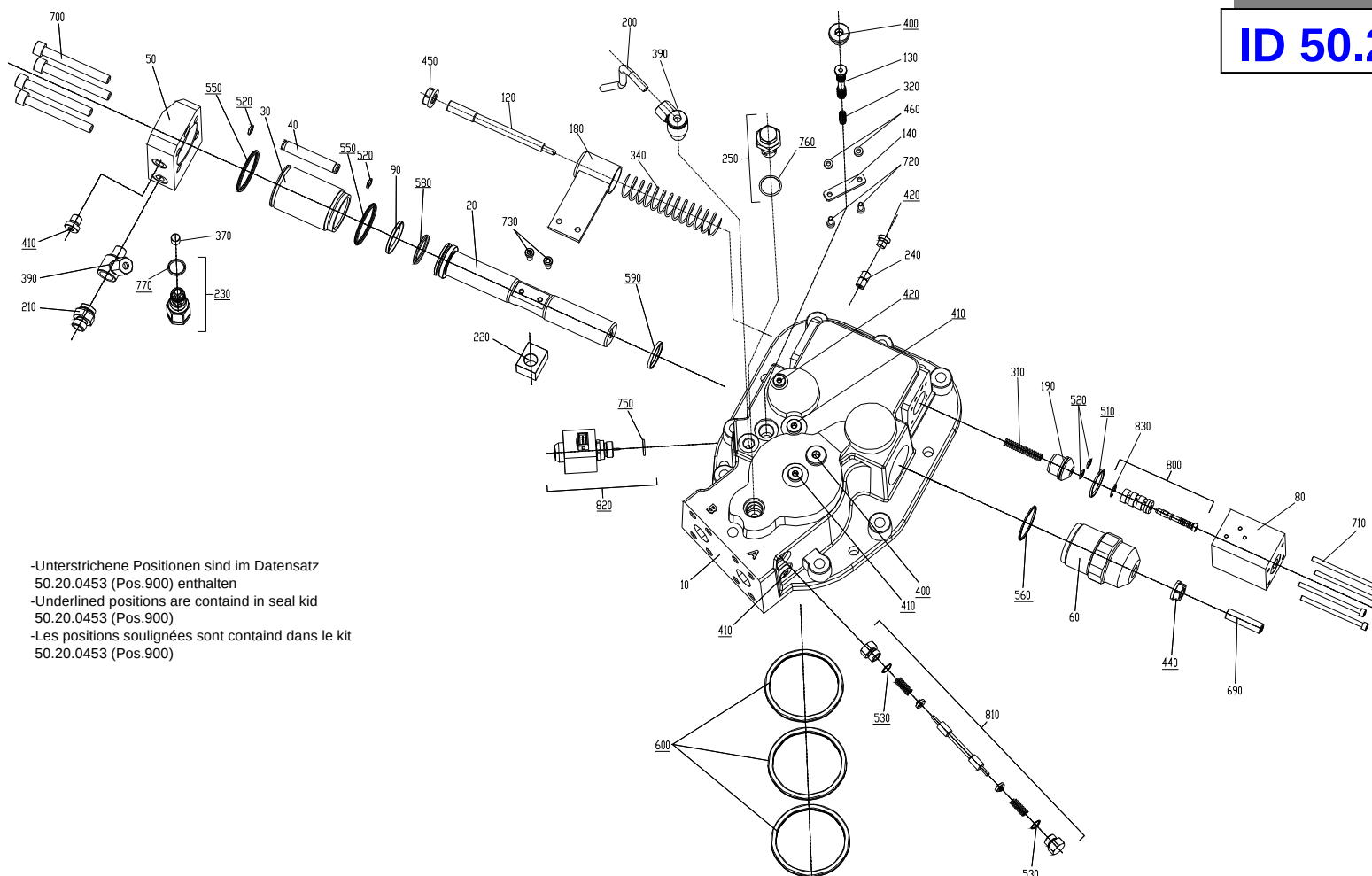


1.2.1 Explosionsansicht - Steuerdeckel Explosion opinion - Adjustment cover Avis d' explosion - Couverture d' ajustment (Pos.3 ID 50.10.0009, ID 50.10.0066 ID 50.20.0501)

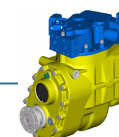
ID 652308

ID 652542

ID 50.20.0212



-Unterstrichene Positionen sind im Datensatz
50.20.0453 (Pos.900) enthalten
-Underlined positions are contained in seal kit
50.20.0453 (Pos.900)
-Les positions soulignées sont containt dans le kit
50.20.0453 (Pos.900)



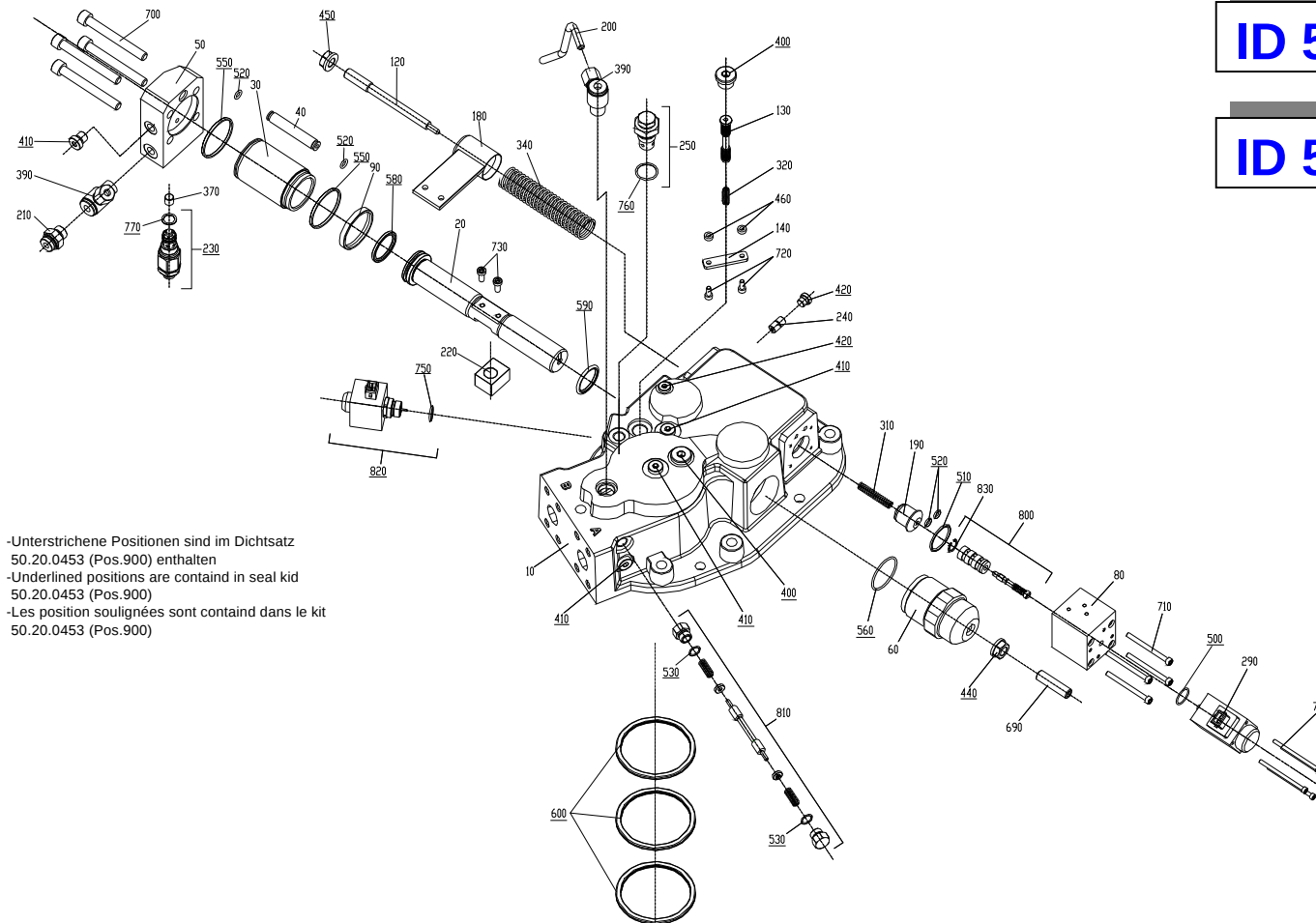
1.2.1 Explosionsansicht - Steuerdeckel Explosion opinion - Adjustment cover Avis d' explosion - Couverture d' ajustment (Pos.3 ID 50.20.0181, 50.20.0452)

ID 50.10.0155

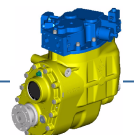
ID 50.20.0400

ID 50.20.0545

ID 50.20.0560

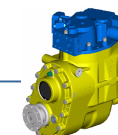


-Unterstrichene Positionen sind im Dichtsatz
50.20.0453 (Pos.900) enthalten
-Underlined positions are contained in seal kit
50.20.0453 (Pos.900)
-Les position soulignées sont containd dans le kit
50.20.0453 (Pos.900)

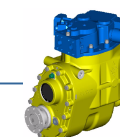


1.2.2 Stückliste - Steuerdeckel Parts list - Adjustment cover Liste de pièces - Couverture d'ajustment

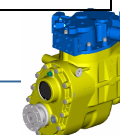
Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
10	50.20.0231	1	Gussgehäuse	Housing adjustment	Corps
20	50.20.0232	1	Steuerschieber	Adjustment piston	Réglage piston
30	50.20.0233	1	Rohr 52x6	Pipe	Tuyau
40	50.20.0234	1	Rohr 12x3,5	Pipe	Tuyau
50	50.20.0235	1	Deckel PCOR	Cover	Couvercle
60		1	Gehäuse Hubverstellung	Cover	Couvercle d'obturation
	50.20.0236		in 652299		
	50.20.0387		in 50.10.0011, 652308, 652542, 50.10.0155, 50.20.0400, 50.20.0212, 50.20.0545, 50.20.0560		
70	50.20.0237	1	Buchse	Sleeve	Coussinet
80		1	Vorsteuergehäuse	Pilot housing	Pilote corps
	50.20.0238		in 652299		
	50.20.0448		in 50.10.0011, 652308, 652542, 50.20.0212		
	50.20.0388		in 50.10.0155, 50.20.0400, 50.20.0545, 50.20.0560		
90	50.20.0239	1	Ring	Annulus	Anneau



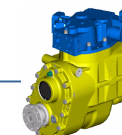
Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
120	50.20.0240	1	Regelbeginnschraube	Control beginning screw	Vis réglementaire
130	50.20.0241	1	Fahrtrichtungsschieber	Driving direction piston	Piston de direction de voyage
140	50.20.0242	1	Lasche	Mounting plate	Verrou
180	50.20.0243	1	Federaufnahme	Spring guide	Ressort guide
190		1	Federteller	Spring retainer	Siège de ressort
	50.20.0244		in 652299		
	50.20.0462		in 50.10.0011, 652308, 652542, 50.20.0212		
	50.20.0389		in 50.10.0155, 50.20.0400 50.20.0545, 50.20.0560		
200	50.20.0245	1	Rohr	Pipe	Tuyau
210	50.20.0246	1	Verschraubung	Screwed fitting	Raccord fileté
220	50.20.0247	1	Gleitstein	Slide ring	Sabot de guidage
230		1	Druckbegrenzungsventil	Pressure relief valve	Limiteur de pression
	50.20.0248		In 652299, 50.10.0011, 652308, 652542, 50.10.0155, 50.20.0400, 50.20.0560, 50.20.0212		
	50.20.0463		in 50.20.0545		



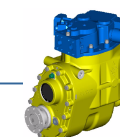
Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
240	50.20.0572 50.20.0573 50.20.0371 50.20.0520	1	Shuttledrossel Schraube unten Shuttledrossel Schraube oben Drosselstift einfach in 652308, 652542, 50.10.0155, 50.20.0545 50.20.0560 Drosselstift zweifach in 50.20.0212	Shuttle valve	Shuttle valve d'éntrangement
250		1	Spülventil	Flushing valve	Valve de rincage
	50.20.0249		in 652299		
	50.10.0013		in 50.10.0011, 50.20.0212		
	50.10.0052		in 652308, 652542, 50.10.0155, 50.20.0400, 50.20.0545, 50.20.0560		
290	50.20.0624	1	Proportionalmagnet	Proportional solenoid	Solénoïde à effet proport.
310	50.20.0250	1	Zyl. Druckfeder	Compression spring	Ressort depression
320	50.20.0251	1	Zyl. Druckfeder	Compression spring	Ressort depression
340		1	Zyl. Druckfeder	Compression spring	Ressort depression
	50.20.0252		in 652299		
	50.20.0454		in 50.10.0011, 652308, 652542, 50.20.0212		
	50.20.0390		in 50.10.0155, 50.20.0400, 50.20.0545, 50.20.0560		
360	50.20.0253	1	Düse	Orifice	Gicleur



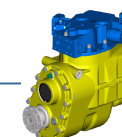
Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
370	50.20.0254	1	Düse	Orifice	Gicleur
380	50.20.0255	1	Düse	Orifice	Gicleur
390	50.20.0256	2	Verschraubung	Screwed fitting	Raccord fileté
400	50.20.0257	2	Verschlussschraube	Locking screw	Vis de fermeture
410	50.20.0258	5	Verschlussschraube	Locking screw	Vis de fermeture
420	50.20.0259	2	Verschlussschraube	Locking screw	Vis de fermeture
440	50.20.0260	1	Bundmutter	Collar nut	Écrou à épaulement
450	50.20.0261	1	Bundmutter	Collar nut	Écrou à épaulement
460	50.20.0262	2	Scheibe	Disc	Disque
500	50.20.0391	1	O-Ring	O-Ring	Joint en o
510	50.20.0263	1	O-Ring	O-Ring	Joint en o
520	50.20.0264	4	O-Ring	O-Ring	Joint en o
530	50.20.0265	2	O-Ring	O-Ring	Joint en o
550	50.20.0266	2	O-Ring	O-Ring	Joint en o
560	50.20.0267	1	O-Ring	O-Ring	Joint en o
580	50.20.0268	1	Kolbendichtung kpl.	Piston seal	Étanchéification du piston
590	50.20.0269	1	Stangendichtung kpl.	Piston rod seal	Étanchéité de la tige de vérin
600	50.20.0270	3	Stangendichtung kpl.	Piston rod seal	Étanchéité de la tige de vérin
610	50.20.0271	1	Stangendichtung kpl.	Piston rod seal	Étanchéité de la tige de vérin



Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
690			Gewindestift	Grub screw	Tiga filetée
	50.20.0272	1	in 652299, 652308, 652542, 50.10.0155, 50.20.0400, 50.20.0545, 50.20.0560		
	50.20.0528	1	in 50.10.0011, 50.20.0212		
700	50.20.0273	4	ISK-Schraube	Screw	Vis
710			ISK-Schraube	Screw	Vis
	50.20.0274	4	in 652299		
	50.20.0623	4	in 50.10.0011, 652308, 652542, 50.10.0155, 50.20.0400, 50.20.0545, 50.20.0560, 50.20.0212		
720	50.20.0275	2	ISK-Schraube	Screw	Vis
730	50.20.0276	2	ISK-Schraube	Screw	Vis
740	50.20.0392	4	ISK-Schraube	Screw	Vis
750	50.20.0277		O-Ring	O-Ring	Joint en o
		2	in 652299		
		1	in 50.10.0011, 652308, 652542, 50.10.0155, 50.20.0400, 50.20.0545, 50.20.0560, 50.20.0212		
760	50.20.0278	1	O-Ring	O-Ring	Joint en o

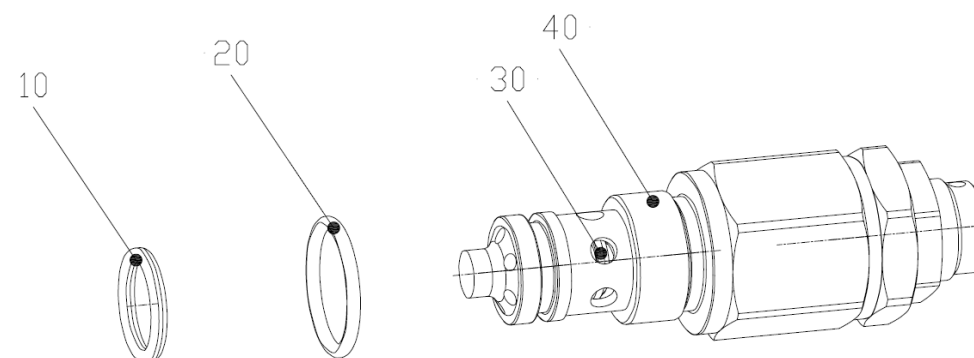


Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
770	50.20.0279	1	O-Ring	O-Ring	Joint en o
800		1	Regelventil kpl.	Control valve (insert)	Valve de régulation
	50.20.0280		in 652299		
	50.10.0053		in 50.10.0011, 652308, 652542, 50.10.0155, 50.20.0400, 50.20.0545, 50.20.0560		
810	50.10.0015	1	Wechselschieber kpl.	Loop flushing valve	Valve de rincage
820			Magnetventil kpl.	Solenoid valve	Valve à solénoïde
	50.10.0016	2	in 652299		
	50.10.0016	1	in 50.10.0011, 652308, 652542, 50.10.0155, 50.20.0545, 50.20.0560, 50.20.0212		
830	50.20.0322	1	Sicherungsring	Snap ring	Circlip
900	50.20.0453	1	Dichtsatz kpl.	Seal kit (completely)	Jeu de joints (complètement)



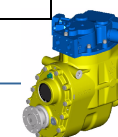
1.2.3 Aufgelöste Bauteile Dissolved construction units Éléments dissous

1.2.3.1 Druckbegrenzungsventil Pressure relief valve Limiteur de pression Pos.230 / ID 50.20.0248 ID 50.20.0463



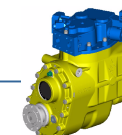
1.2.3.1.1 Stückliste - Druckbegrenzungsventil Parts list - Pressure relief valve Liste de pièces - Limiteur de pression

Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
10	50.20.0327	1	O-Ring	O-Ring	Joint en o
20	50.20.0279	1	O-Ring	O-Ring	Joint en o
30	50.20.0382	1	Druckfeder	Compression spring	Ressort de pression
40	056770	1	O-Ring	O-Ring	Joint en o

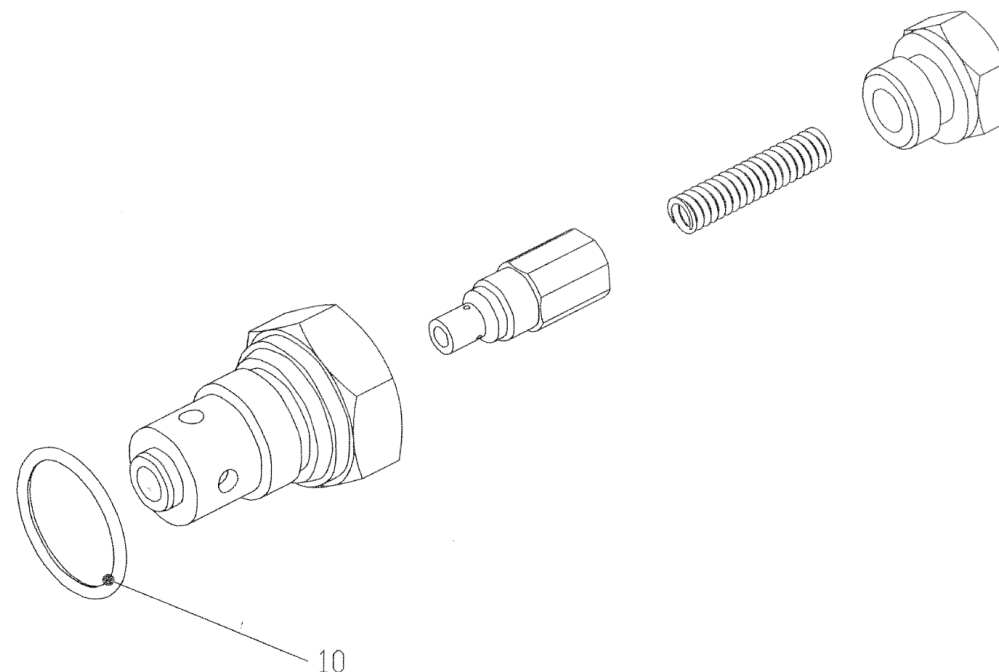


1.2.3.1.2 Montagehinweise - Druckbegrenzungsventil
Assembling instructions - Pressure relief valve
Indications d'assemblage - Limiteur de pression

Pos.	Benennung Description Désignation
50	Anziehdrehmoment Ma=20+5 Nm Torque data Ma=20+5 Nm Couple de serrage Ma=20+5 Nm
40-50	Anschlagschraube Pos.50 in Gehäuse Pos.40 gesichert mit Loctite 601 (grün) Stop screw Pos.50 in housing Pos.40 secured with Loctite 601 (green) Vis de butée Pos.50 dans les logements Pos.40 sûr avec le loctite 601 (vert)

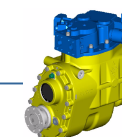


1.2.3.2 Spülventil
Flushing valve
Valve de rincage
Pos.250 / ID 50.20.0249
ID 50.10.0013
ID 50.10.0052

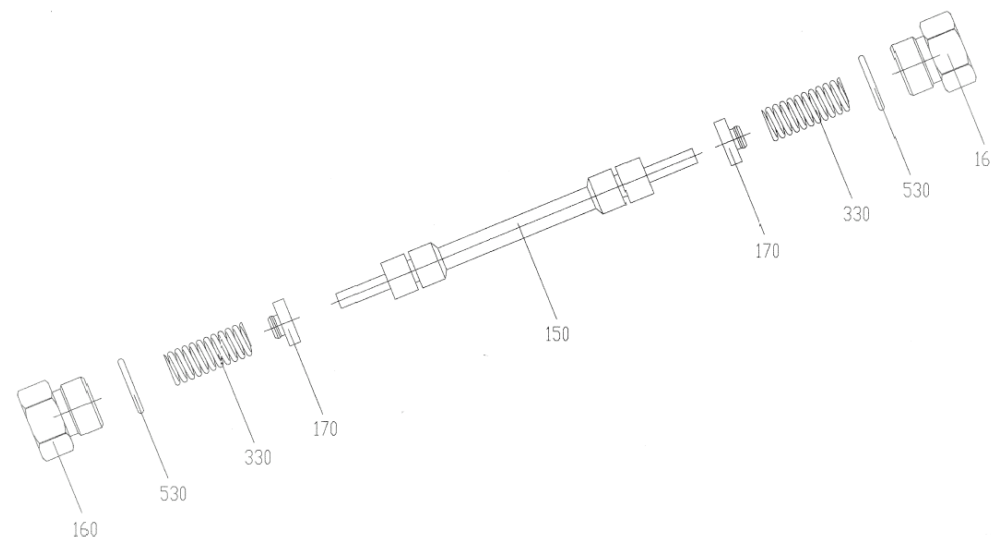


1.2.3.2.1 Stückliste - Spülventil
Parts list - Flushing valve
Liste de pièces - Valve de rincage

Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
10	50.20.0278	1	O-Ring	O-Ring	Joint en o

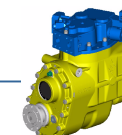


1.2.3.3 Wechselschieber kpl. Loop flushing valve Valve de rinçage Pos.810 / ID 50.10.0015

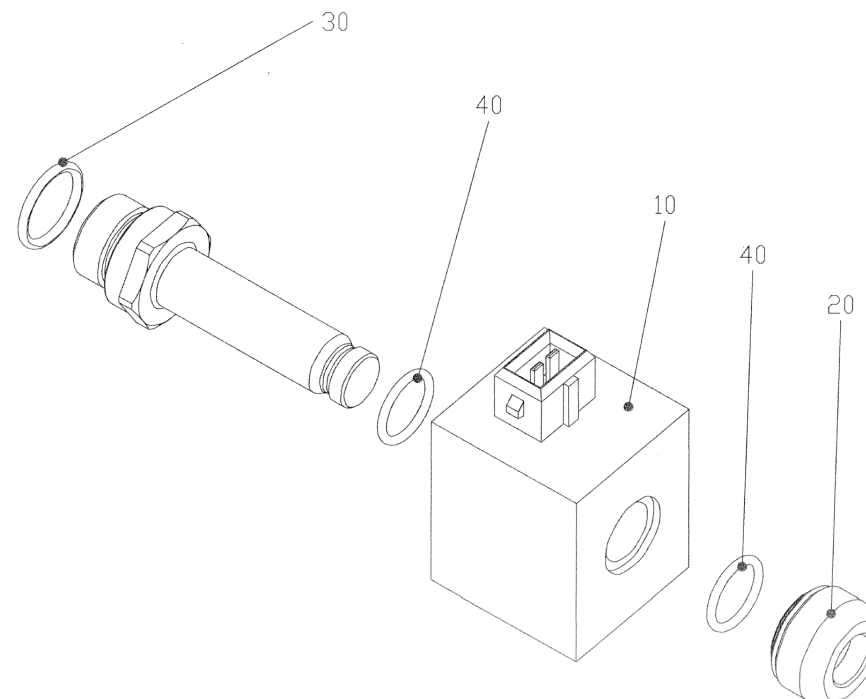


1.2.3.3.1 Stückliste - Wechselschieber kpl. Parts list - Loop flushing valve Liste de pièces - Valve de rinçage

Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
150	50.20.0326	1	Spülschieber	Flushing piston	Piston de rinçage
160	50.20.0323	2	Verschlussschraube	Locking screw	Vis de fermeture
170	50.20.0325	2	Federteller	Spring retainer	Siège de ressort
330	50.20.0324	2	Druckfeder	Compression spring	Ressort de pression
530	50.20.0265	2	O-Ring	O-Ring	Joint en o

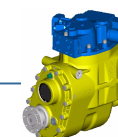


1.2.3.4 Magnetventil kpl. Solenoid valve Valve à solénoïde Pos.820 / ID 50.10.0016



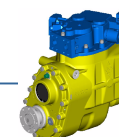
1.2.3.4.1 Stückliste - Magnetventil kpl. Parts list - Solenoid valve Liste de pièces - Valve à solénoïde

Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
10	50.20.0330	1	Magnetspule	Solenoid coil	Bobine de solénoïde
20	50.20.0329	1	Rändelmutter	Knurled-head nut	Écrou
30	50.20.0277	1	O-Ring	O-Ring	Joint en o
40	50.20.0328	2	O-Ring	O-Ring	Joint en o



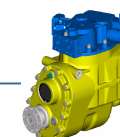
1.2.3.4.2 Montagehinweise – Magnetventil kpl. Assembling instructions - Solenoid valve Indications d' assemblage - Valve à solénoïde

Pos.	Benennung Description Désignation
20	Anziehdrehmoment Ma=10+2 Nm Torque data Ma=10+2 Nm Couple de serrage Ma=10+2 Nm

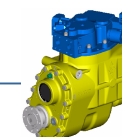


1.2.4 Montagehinweise - Steuerdeckel Assembling instructions - Adjustment cover Indications d' assemblage - Couverture d' ajustment

Pos.	Benennung	Description	Désignation
60	Anziehdrehmoment Ma=60+4 Nm	Torque data Ma=60+4 Nm	Couple de serrage Ma=60+4 Nm
60	Bei Montage Position des Anschlusses X2 angepasst.	When assembling position of the port X2 adapted	Adapté avec un assemblage position du reccordement X2
210	Anziehdrehmoment Ma=40+3 Nm	Torque data Ma=40+3 Nm	Couple de serrage Ma=40+3 Nm
230	Anziehdrehmoment Ma=50+10 Nm	Torque data Ma=50+10 Nm	Couple de serrage Ma=110+10 Nm
250	Anziehdrehmoment Ma=40+3 Nm	Torque data Ma=40+3 Nm	Couple de serrage Ma=40+3 Nm
250	Bei Montage Dichtring (Pos.760) zuerst in die Bohrung	When assembling sealing ring (pos.760) first into the drilling	Avec un asseblage bague-jointte (pos.760) d' abord dans le perçage
270	Anziehdrehmoment Ma=35+5 Nm	Torque data Ma=35+5 Nm	Couple de serrage Ma=35+5 mm
360	Anziehdrehmoment Ma=5,5+1 Nm	Torque data Ma=5,5+1 Nm	Couple de serrage Ma=5,5+1 mm
370	Anziehdrehmoment Ma=5,5+1 Nm	Torque data Ma=5,5+1 Nm	Couple de serrage Ma=5,5+1 mm
390	Anziehdrehmoment Ma=5,5+1 Nm	Torque data Ma=5,5+1 Nm	Couple de serrage Ma=5,5+1 mm
400	Anziehdrehmoment Ma=60+4 Nm	Torque data Ma=60+4 Nm	Couple de serrage Ma=60+4 mm
410	Anziehdrehmoment Ma=25+2 Nm	Torque data Ma=25+2 Nm	Couple de serrage Ma=25+2 mm
420	Anziehdrehmoment Ma=12+1 Nm	Torque data Ma=12+1 Nm	Couple de serrage Ma=12+1 Nm
440	Anziehdrehmoment Ma=80+5 Nm	Torque data Ma=80+5 Nm	Couple de serrage Ma=80+5 Nm
450	Anziehdrehmoment Ma=60+4 Nm	Torque data Ma=60+4 Nm	Couple de serrage Ma=60+4 mm
580, 590 600,610	Für Montage geeignete Hilfsmittel verwenden.	Use suitable aids for assembly	Pour assemblage des aides appropriées utiliser

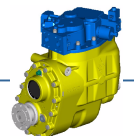
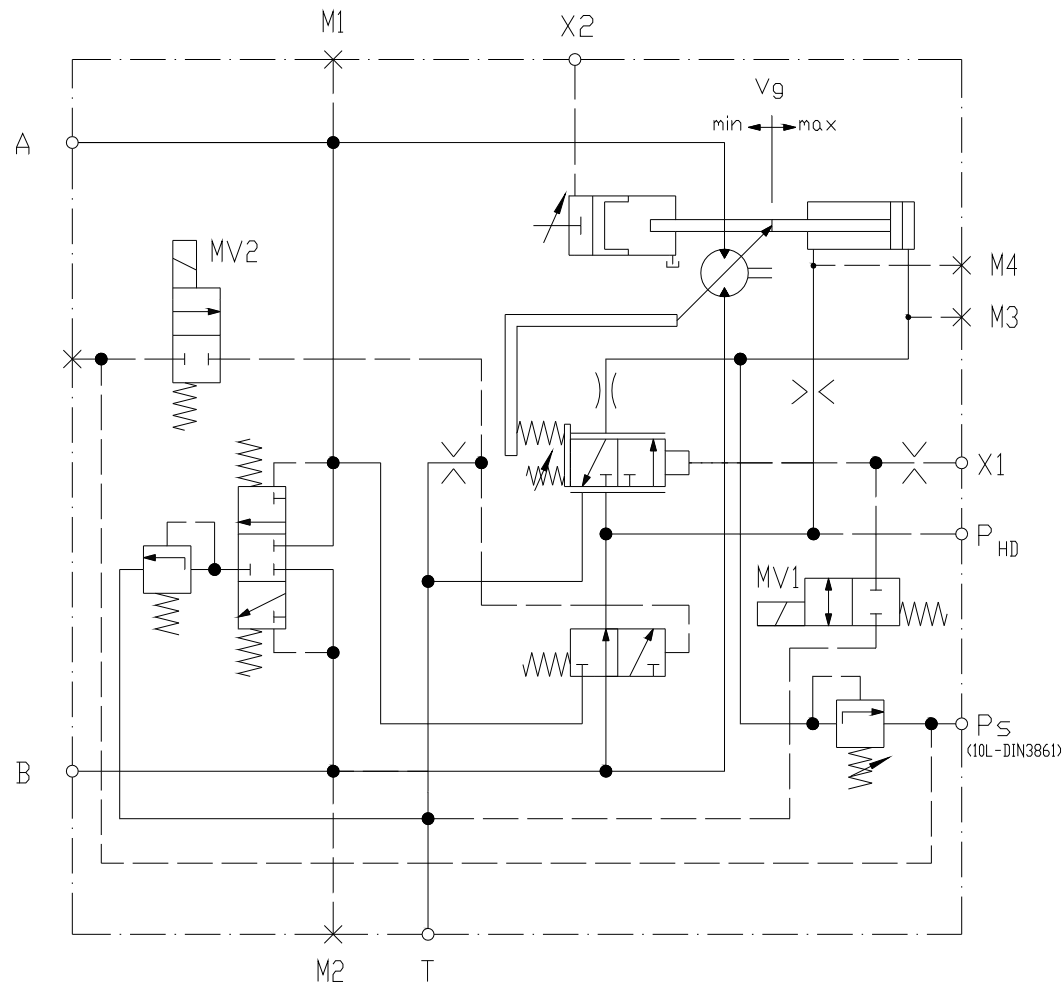


700	Anziehdrehmoment Ma=55+4 Nm	Torque data Ma=55+4 Nm	Couple de serrage Ma=55+4 Nm
710	Anziehdrehmoment Ma=5,5+1 Nm	Torque data Ma=5,5+1 Nm	Couple de serrage Ma=5,5+1 Nm
720	Anziehdrehmoment Ma=5,5+1 Nm	Torque data Ma=5,5+1 Nm	Couple de serrage Ma=5,5+1 Nm
720	Mit Loctite 243 sichern	Secure with loctite 243	Avec des loctite 243 assurer
730	Anziehdrehmoment Ma=5,5+1 Nm	Torque data Ma=5,5+1 Nm	Couple de serrage Ma=5,5+1 Nm
740	Anziehdrehmoment Ma=2,5+0,5 Nm	Torque data Ma=2,5+0,5 Nm	Couple de serrage Ma=2,5+0,5Nm
810	Anziehdrehmoment Ma=40+3 Nm	Torque data Ma=40+3 Nm	Couple de serrage Ma=40+3 Nm
820	Anziehdrehmoment Ma=35+5 Nm	Torque data Ma=35+5 Nm	Couple de serrage Ma=35+5 Nm



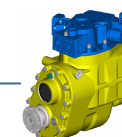
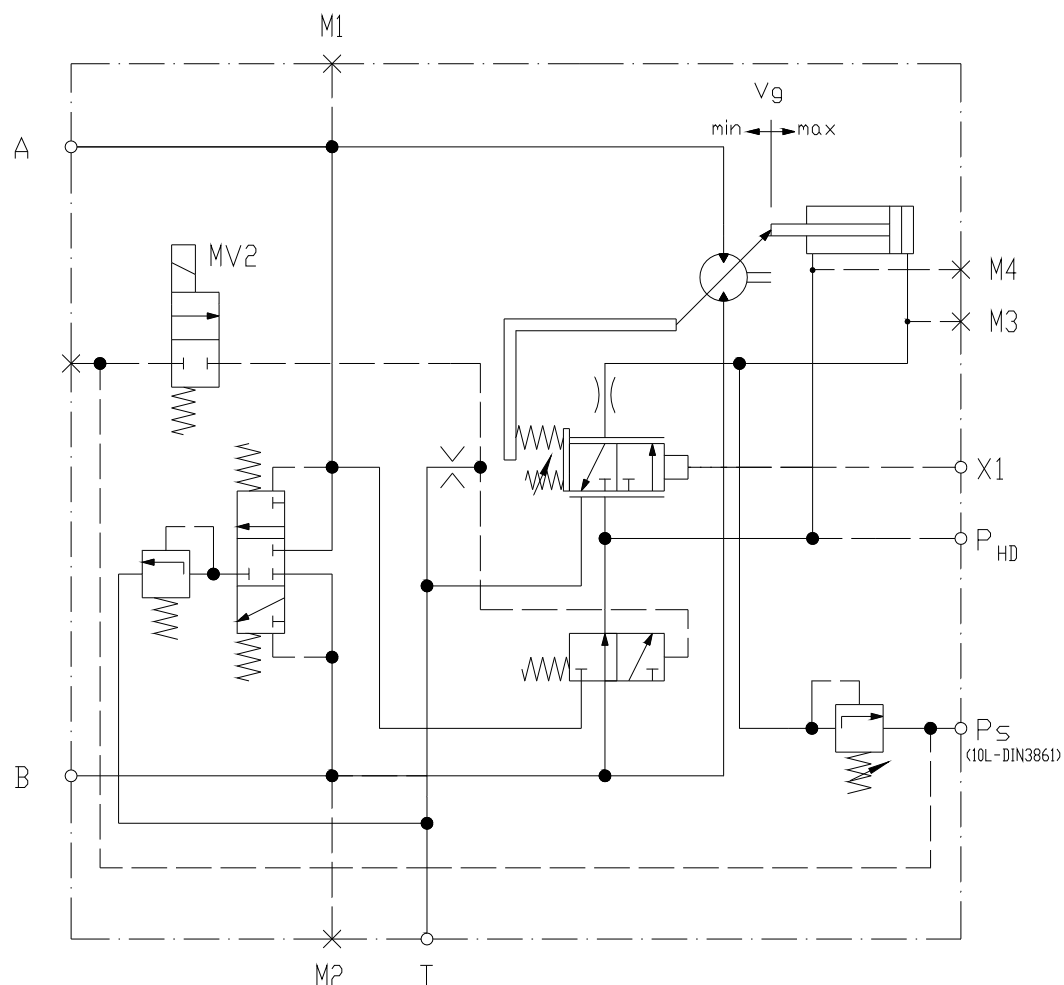
1.2.5 Schaltplan - Steuerdeckel Circuit diagram - Adjustment cover Schéma - Couverture d'ajustment

ID 652299



1.2.5 Schaltplan - Steuerdeckel Circuit diagram - Adjustment cover Schéma - Couverture d'ajustment

ID 50.10.0011

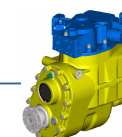
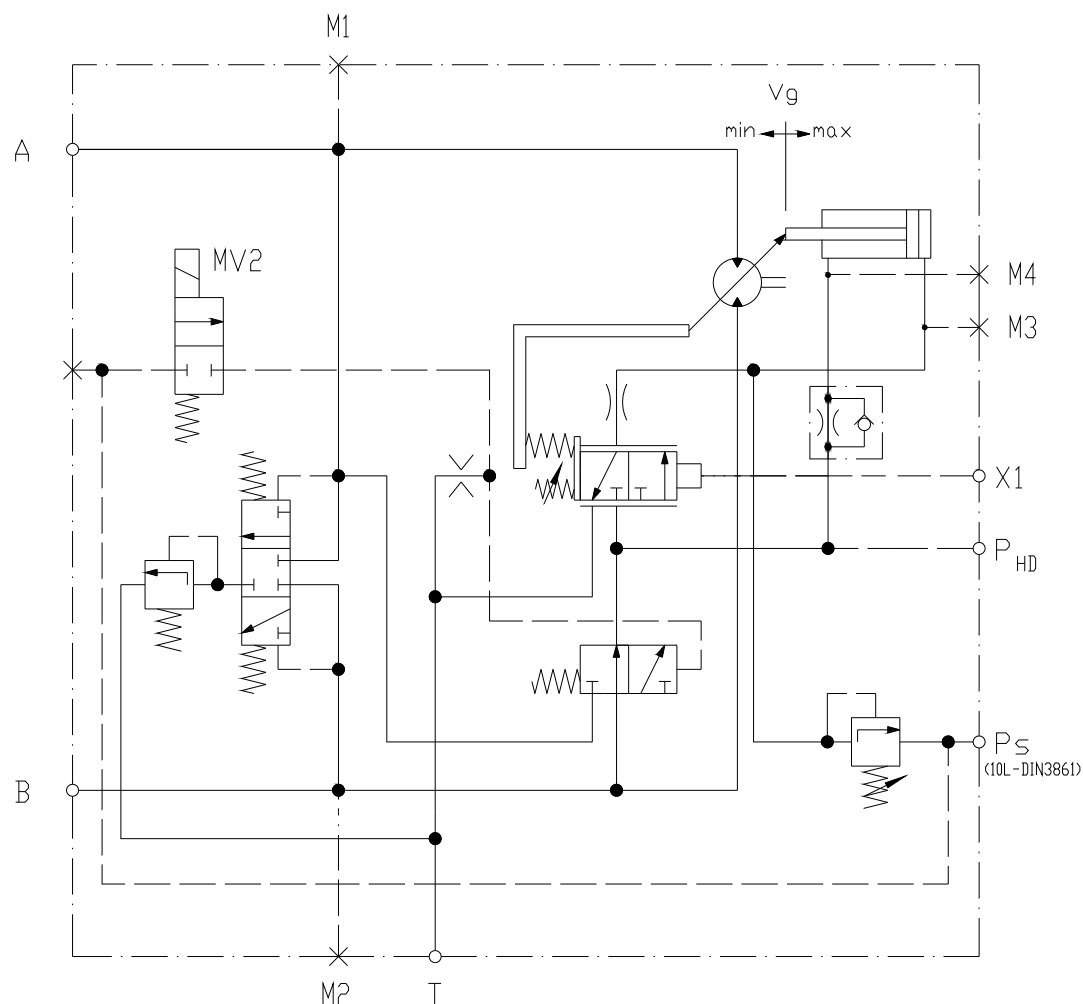


1.2.5 Schaltplan - Steuerdeckel Circuit diagram - Adjustment cover Schéma - Couverture d'ajustment

ID 652308

ID 652542

ID 50.20.0212

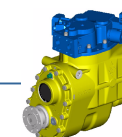
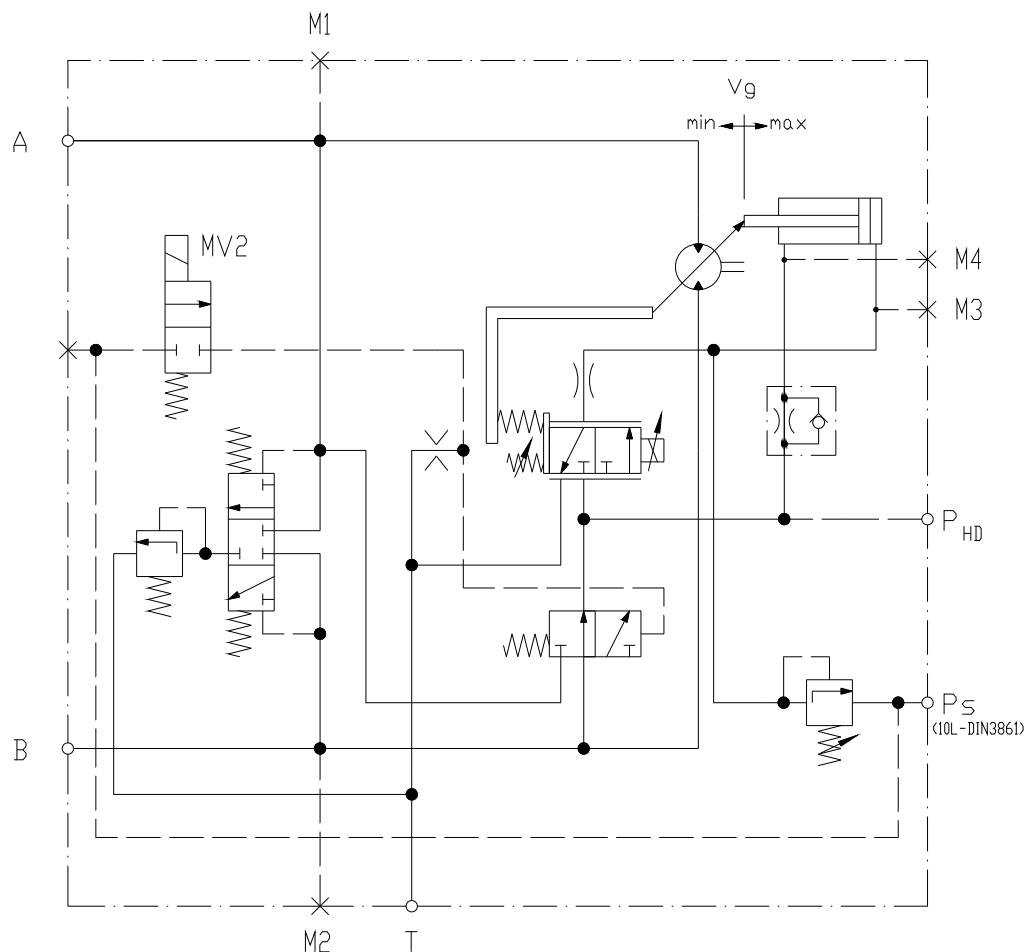


1.2.5 Schaltplan - Steuerdeckel Circuit diagram - Adjustment cover Schéma - Couverture d'ajustment

ID 50.10.0155

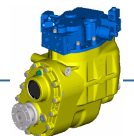
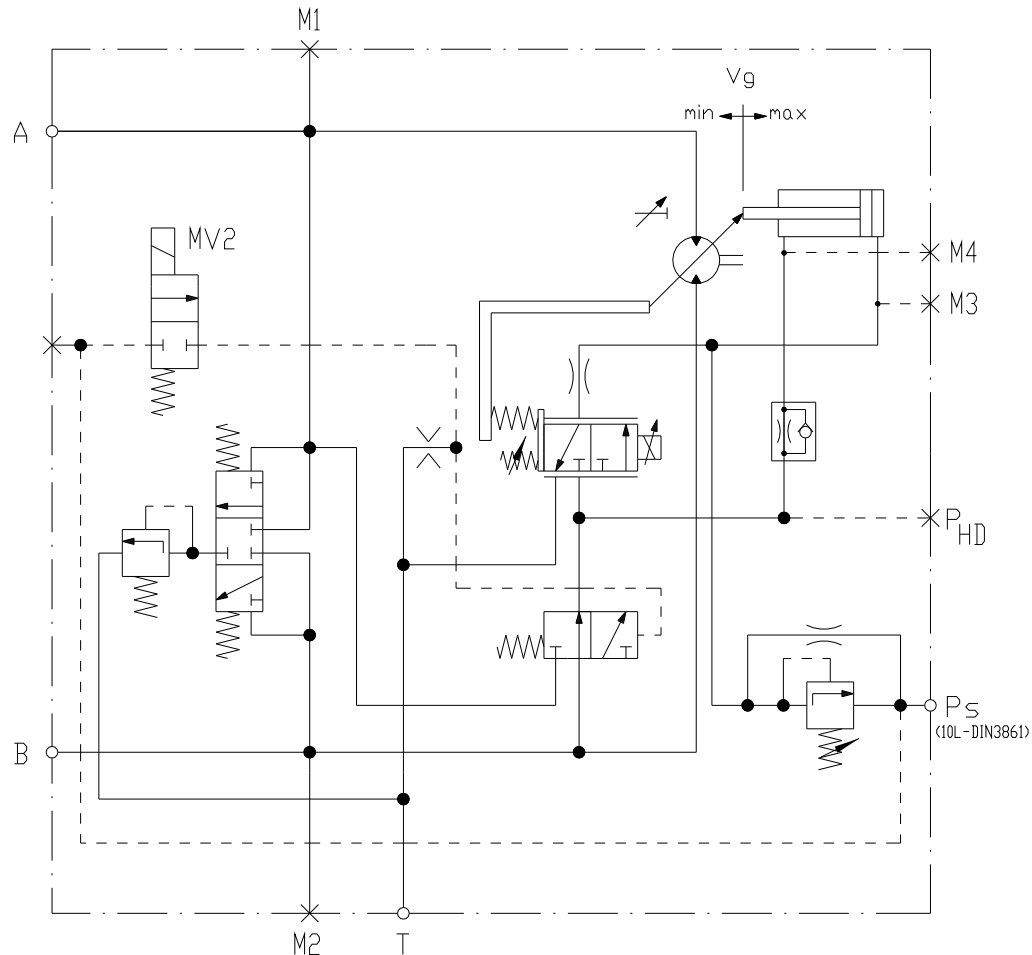
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ID 50.20.0560



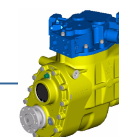
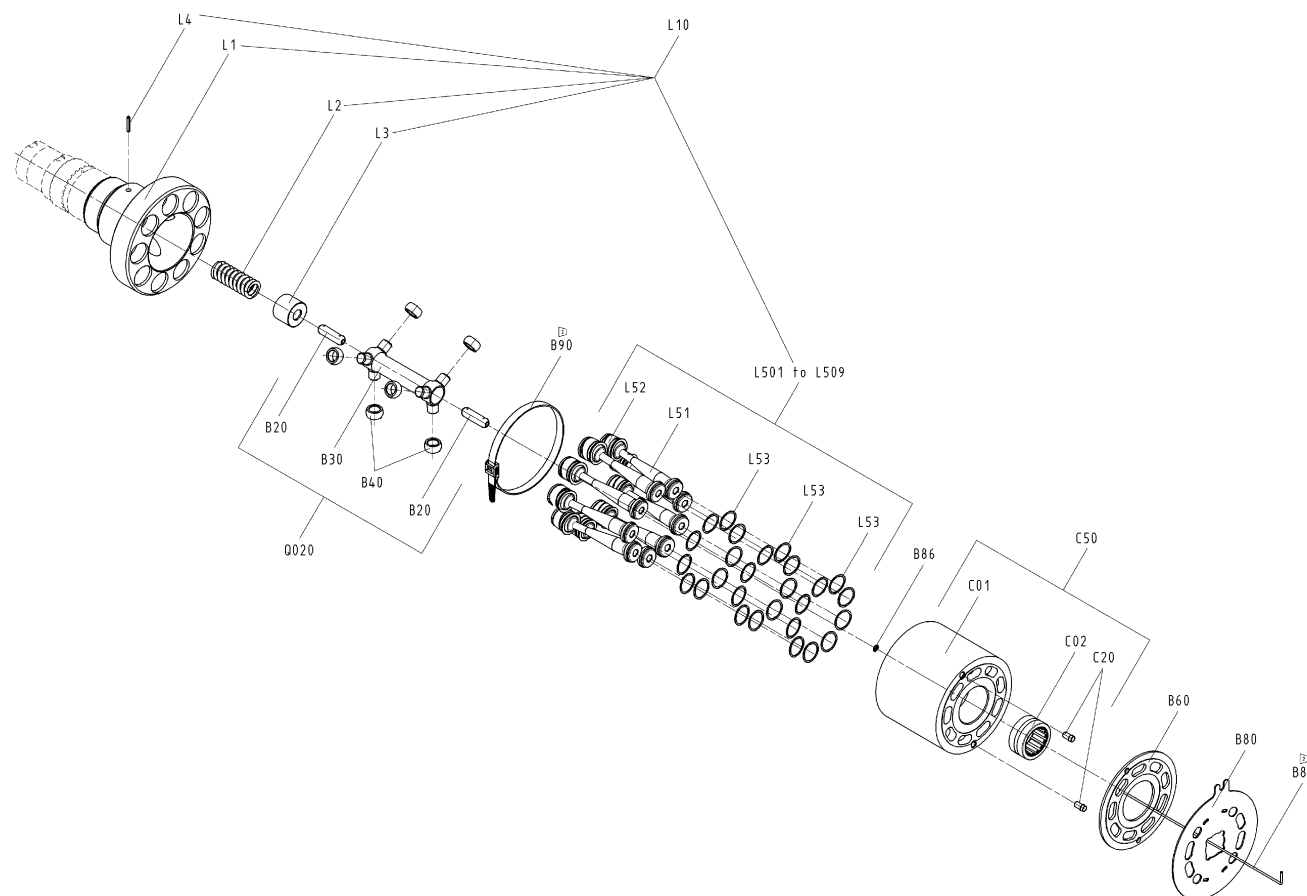
1.2.5 Schaltplan - Steuerdeckel Circuit diagram - Adjustment cover Schéma - Couverture d'ajustment

ID 50.20.0545



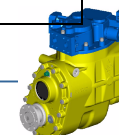
1.3 Kit Einbausatz Motor III Hydraulic motor III, axial piston type Moteur III hydraulique à pistons axiaux

1.3.1 Explosionsansicht - Kit Einbausatz Motor III Explosion opinion - Hydraulic motor III, axial piston type Avis d'explosion - Moteur III hydraulique à pistons axiaux (Pos.5 ID 518889)

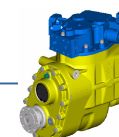


1.3.2 Stückliste - Kit Einbausatz Motor III Parts list - Hydraulic motor III, axial piston type Liste de pièces - Moteur III hydraulique à pistons axiaux

Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
L10	518890	1	Welle MO.51S233 kpl.	Shaft MO.51S233 completely	Axe MO.51S233 complètement
L1	518880	1	Welle MO.51S233	Shaft MO.51S233	Axe MO.51S233
L2	502406	1	Druckfeder	Compression spring	Ressort à pression
L3	518962	1	Federführung	Spring retainer	Siège de ressort
L4	614818	1	Spannhülse	Clamping sleeve	Douille de retenue
L501-L509	762039	9	Kolben Kpl.51S233	Piston cpl. 51S233	Piston cpl. 51S233
L53	500234	1x27	Kolbenringsatz Kpl..	Annulus of piston cpl.	Partie annulaire du piston cpl
Q020	517312	1	Synchrongelenk Kpl.	Synch. Shaft kit	Axe de synchrone cpl.
B20	735076	2	Stützstift 51S233	Supporting pin 51S233	Goupille de soutien
B30	516463	1	Synchrongelenk 51S233	Synch. Shaft 51S233	Axe de synchrone 51S233
B40	516415	6	Rolle 51*60	Role 51*60	Rôle 51*60
C50	762096	1	Zylinderbl. Kpl.51S233	Cylinder block cpl.51S233	Bloc-cylindres cpl.51S233
C01	765552	1	Zylinderbl. 51S233	Cylinder block 51S233	Bloc-cylindres 51S235
C02	512755	1	Nadellager	Needle bearing	Roulement à aiguilles
C20	358077	2	Zyl. Stift 51V110-160	Cylindrical pin 51V110-160	Goupille cylindrique 51V110-160

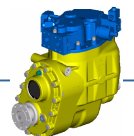
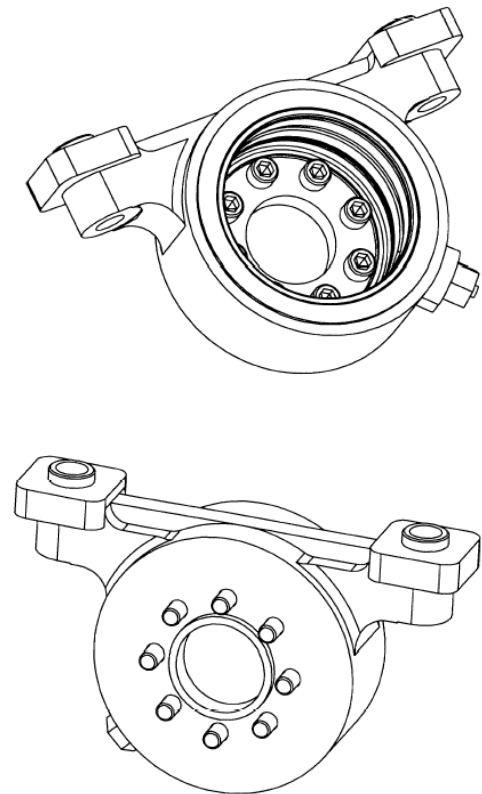
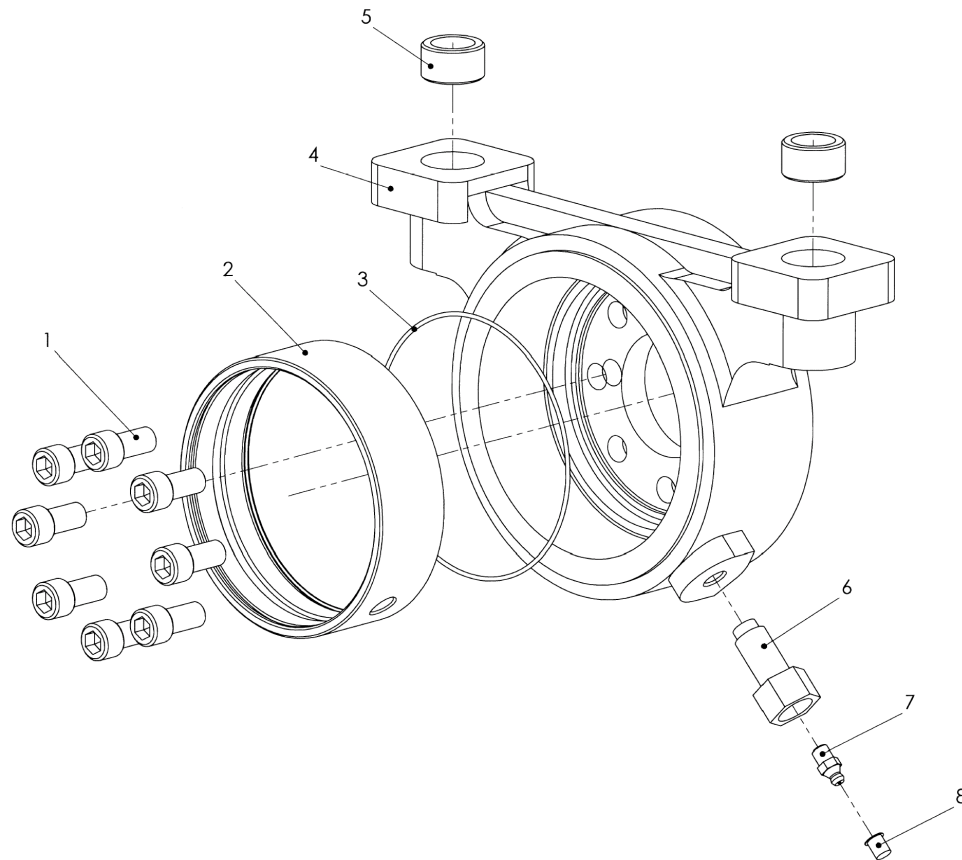


B60	517181	1	Lagerplatte 51S233 Kaltverf.	Bearing plate 51S233	Plaque de roulement
B80	519653	1	Ventilpl.51S233 CP 0 Mo.	Valve plate	Plat de valve
B85	509945	1	Kupferdraht (abgeschnitten + entgratet)	Cooper wire	File de tonnelier
B90	516622	1	Kabelbinder Panduit	Cable strap	Liant par câble



1.4 Anbaukit Getriebe Achse Driving gear axis Transmission axle

1.4.1 Explosionsansicht - Anbaukit Getriebe Achse Explosion opinion - Driving gear axis Avis d'explosion - Transmission axe (Pos.70 ID 652228)

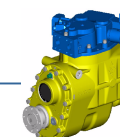


1.4.2 Stückliste – Anbaukit Getriebe Achse Parts list - Driving gear axis Liste de pièces - Transmission axe

Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
1	50.20.0351	8	Zyl. Schraube	Cheese-head screw	Vis à tête cylindrique
2	50.20.0358	1	Lagerbuchse hinten	Sleeve	Coussinet
3	50.20.0354	1	O-Ring	O-Ring	Joint en o
4	50.20.0359	1	Hinterträger	Carrier	Derrière la poutre
5	50.20.0356	2	Buchse	Sleeve	Coussinet
6	50.20.0357	1	Einschraubteil Schmierkopf	Cheese-head screw spec	Vis à tête cylindrique spéc
7	50.20.0352	1	Schmierkopf	Lubrication head	Tête de lubrification
8	50.20.0353	1	Stopfen (Transport)	Locking screw	Bouchon de fermeture

1.4.3 Montage- und Wartungshinweis - Anbaukit Getriebe Achse Assembly and maintenance reference - Driving gear axis Assemblage et indication d'entretien - Transmission axe

Pos.	Benennung Description Désignation
1	Anziehdrehmoment Ma=125+10 Nm Torque data Ma=125+10 Nm Couple de serrage Ma=125+10 Nm

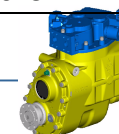


1.5.1 Stückliste – Dichtungssatz (Pos.900 ID 50.20.0453)

Parts list – seal kit

Liste de pièces – jeu de joints

Seite Page Page	Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
25 - 29	4	50.20.0286	1	Dichtung	Gasket	Joint
25 - 29	28	50.20.0412	1	Nutmutter	Slotted round nut for hook spanner	Ecrou cylindrique à encoches
25 - 29	29	50.20.0303	1	O-Ring	Sealing ring	Joint circulaire
25 - 29	30	50.20.0304	2	O-Ring	Sealing ring	Joint circulaire
25 - 29	31	50.20.0305	1	Nutmutter	Slotted round nut for hook spanner	Ecrou cylindrique à encoches
25 - 29	47	50.20.0318	1	Radialwellendichtung	Radial seal	Joint radial
25 - 29	48	50.20.0319	2	Radialwellendichtung	Radial seal	Joint radial
25 - 29	49	50.20.0320	1	Radialwellendichtung	Radial seal	Joint radial
25 - 29	50	50.20.0321	1	Verschlusskappe	Cap	Capuchon
25 - 29	51	50.20.0647	1	O-Ring	Sealing ring	Joint circulaire
25 - 29	59	50.20.0336	1	Gewindelüfter	Breather screw	Vis d'aération
25 - 29	60	50.20.0337	3	Verschlusschraube	Hexagon head plug	Bouchon fileté d'obturation
25 - 29	61	50.20.0435	1	Verschlusschraube	Hexagon head plug	Bouchon fileté d'obturation
25 - 29	64	50.20.0338	2	VRM-Ring	VRM-ring	Joint à frottement axial
25 - 29	69	50.20.0543	1	Stopfen	Plug	Obturateur
25 - 29	70	50.20.0354	1	O-Ring	Sealing ring	Joint circulaire
25 - 29	70	50.20.0352	1	Schmierkopf	Lubrication head	Tête de lubrification
25 - 29	70	50.20.0353	1	Stopfen	Locking screw	Bouchon de fermeture
25 - 29	85	50.20.0413	1	Verschlusskappe	Cover cap	Capuchon de fermeture



Seite Page Page	Pos.	Bestellnr. Order nr. No. d'ordre	Stück QTY Pièces	Benennung	Description	Désignation
42 - 45	230	50.20.0327	1	O-Ring	O-Ring	Joint en o
42 - 45	400	50.20.0257	2	Verschlussschraube	Locking screw	Vis de fermeture
42 - 45	410	50.20.0258	5	Verschlussschraube	Locking screw	Vis de fermeture
42 - 45	420	50.20.0259	2	Verschlussschraube	Locking screw	Vis de fermeture
42 - 45	440	50.20.0260	1	Bundmutter	Collar nut	Écrou à épaulement
42 - 45	450	50.20.0261	1	Bundmutter	Collar nut	Écrou à épaulement
42 - 45	500	50.20.0391	1	O-Ring	O-Ring	Joint en o
42 - 45	510	50.20.0263	1	O-Ring	O-Ring	Joint en o
42 - 45	520	50.20.0264	4	O-Ring	O-Ring	Joint en o
42 - 45	530	50.20.0265	2	O-Ring	O-Ring	Joint en o
42 - 45	550	50.20.0266	2	O-Ring	O-Ring	Joint en o
42 - 45	560	50.20.0267	1	O-Ring	O-Ring	Joint en o
42 - 45	580	50.20.0268	1	Kolbendichtung kpl.	Piston seal	Étanchéification du piston
42 - 45	590	50.20.0269	1	Stangendichtung kpl.	Piston rod seal	Étanchéité de la tige de vérin
42 - 45	600	50.20.0270	3	Stangendichtung kpl.	Piston rod seal	Étanchéité de la tige de vérin
42 - 45	610	50.20.0271	1	Stangendichtung kpl.	Piston rod seal	Étanchéité de la tige de vérin
42 - 45	750	50.20.0277	2	O-Ring	O-Ring	Joint en o
42 - 45	760	50.20.0278	1	O-Ring	O-Ring	Joint en o
42 - 45	770	50.20.0279	2	O-Ring	O-Ring	Joint en o
42 - 45	820	50.20.0328	4	O-Ring	O-Ring	Joint en o

