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Torqmotor™

Series

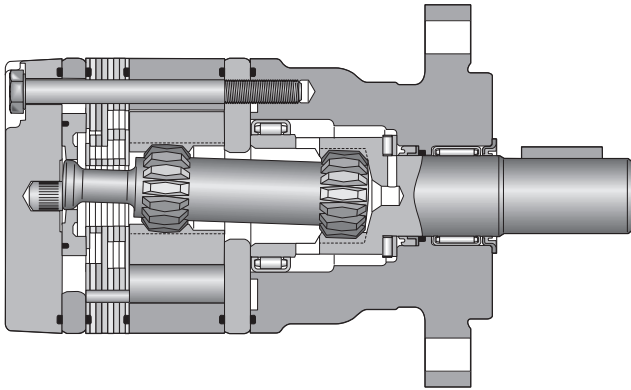
TE / TJ / TF / TL / TG / TH



ENGINEERING YOUR SUCCESS.

● Features / Merkmale / Caractéristique / Carratteristiche

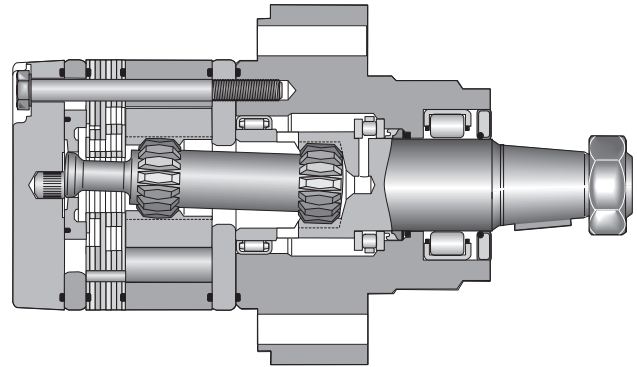
Series TE



- **Langsamlaufender Gerotor-Motor**
- **Spezielle Orbital-Steuerung**
Geringe interne Leckage
Hoher volumetrischer Wirkungsgrad
- **Rollen im Rotorset**
Reduzierte Reibung
Lange Lebensdauer
- **Patentierte Hochdruckwellendichtung**
Keine Leckölleitung
Keine Rückschlagventile
- **Vielzahl von Varianten**
Großer Einsatzbereich

- **Moteur lent système Gerotor**
- **Une distribution orbitale particulière assure**
fuites internes minimales
rendements volumétriques élevés
- **Le rotor à rouleaux**
réduit les frottements
augmente la durée de vie
- **Par l'utilisation de joints d'arbre haute pression brevetés**
pas de conduite de drainage
pas de clapets anti-retour
- **Grâce à de nombreuses variantes**
larges domaines d'applications

Series TJ

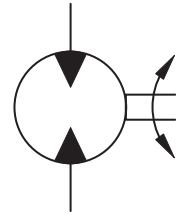
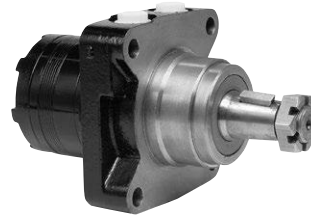


- **Low Speed Gerotor Motor**
- **Zero leak commutation valve**
For greater, more consistent
Volumetric efficiency
- **Roller vane rotor set**
Reduces friction and internal leakage
Maintaining efficiency throughout the life of the motor
- **Patented high-pressure shaft seal**
No check valves needed
No extra plumbing
- **Wide choice of displacement range, flange and shaft options**
Greater efficiency in systems design
to suit your application

- **Motore orbitale a bassa velocità**
- **Una particolare distribuzione orbitale assicura**
trafilamento ridotto elevato rendimento volumetrico
- **Con lo statore a rullo**
si riduce l'attrito interno
si mantiene nel tempo l'efficienza del motore
- **Una guarnizione di tenuta ad alta pressione brevettata elimina la necessità**
di una linea di drenaggio esterna e di valvole non ritorno
- **Un'ampia gamma di cilindrate, flangiature ed alberi**
consentono scelte adeguate ad ogni esigenza costruttiva

Performance / Kenndaten / Puissance / Prestazioni

Drehzahl Speed Vitesse de rotation Velocità di rotazione	max. 1160 rev/min
Schluckstrom Oil flow Débit d'huile Portata	max. 75 l/min
Eingangsdruck Supply pressure Pression entrée Pressione in entrata	max. 200 bar
Torque Couple Coppia	max. 648 Nm
Seitenlast Side load Charges latérales Carico radiale	TE = 7.000 N TJ = 14.000 N See page 16



Series TJ



Series TE

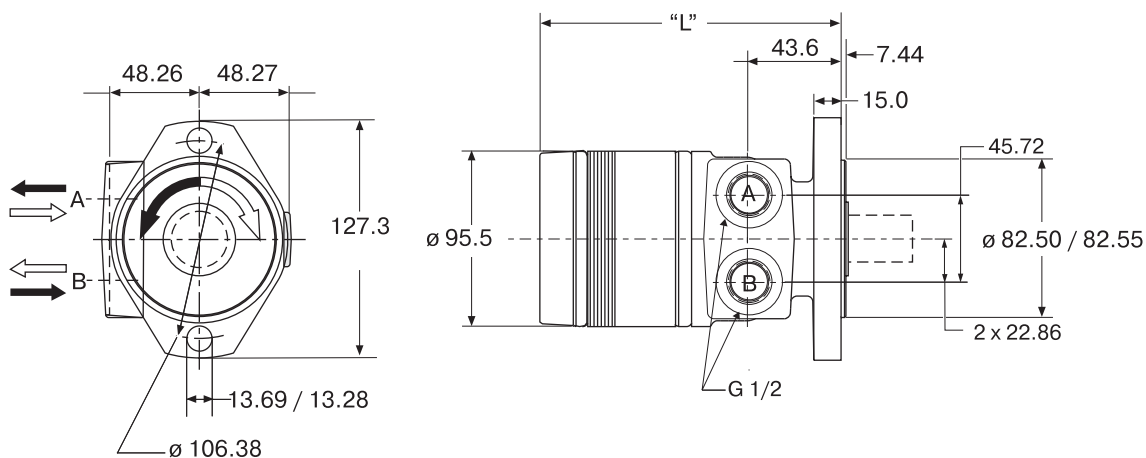
Motor series TE / TJ	Geom. Schluckvolumen Geometric displacement Cylindrée Cilindrata	Max. Drehzahl Max. speed Vitesse de rotation maxi Velocità di rotazione max	Max. Schluckstrom Max. oil flow Débit d'huile max Portata max	Max. Druckdifferenz ** Chute de pression maxi ** Caduta di pressione max **	Max. Eingangsdruk Max. supply pressure Pression maxi entrée Pressione max in entrata	Max. Drehmoment Max. torque Couple maxi Coppia max	Max. Leistungabgabe Max. performance Puissance de sortie maxi Potenza meccanica max	Min. Anlaufmoment Min. starting torque Couple min. fourni au démarrage Coppia min. di spunto
	[cm ³ /U] [cm ³ /rev]	cont / int* [U/min] [rev/min]	cont / int* [l/min]	cont / int* [bar]	max [bar]	cont / int* [Nm]	cont / int* [KW]	cont / int* [Nm]
TE/TJ 36	36	930/1160	35/40	140/190	200	55/71	9	44/52
TE/TJ 45	41	810/1024	35/41	140/190	200	70/100	10	44/64
TE/TJ 50	50	725/1020	35/50	140/190	200	90/127	13	72/98
TE/TJ 65	66	705/940	45/60	140/190	200	125/176	15	100/137
TE/TJ 80	82	560/750	45/60	140/190	200	160/220	17	128/171
TE/TJ 100	98	470/630	45/60	140/190	200	190/264	17	152/205
TE/TJ 130	130	350/470	45/60	140/190	200	255/352	17	204/274
TE/TJ 165	163	280/375	45/60	140/190	200	310/436	17	248/338
TE/TJ 195	196	235/315	45/60	140/190	200	390/528	17	312/411
TE/TJ 230	228	265/330	60/75	120/165	200	380/514	18	304/411
TE/TJ 260	261	230/290	60/75	110/155	200	400/550	17	320/449
TE/TJ 295	293	200/255	60/75	100/145	200	428/582	16	328/445
TE/TJ 330	326	185/235	60/75	100/135	200	443/600	15	344/453
TE/TJ 365	370	150/200	60/75	95/125	200	467/648	14	373/477
TE/TJ 390	392	152/190	60/75	85/120	200	445/628	13	348/462

*int. =
Intermittierende Werte maximal: 10% von jeder Betriebsminute.
Intermittent operation rating applies to 10% of every minute.
Fonctionnement interm.: 10% max. de chaque minute d'utilisation.
Servizio intermittente: 10% max di ogni minuto di utilizzazione.

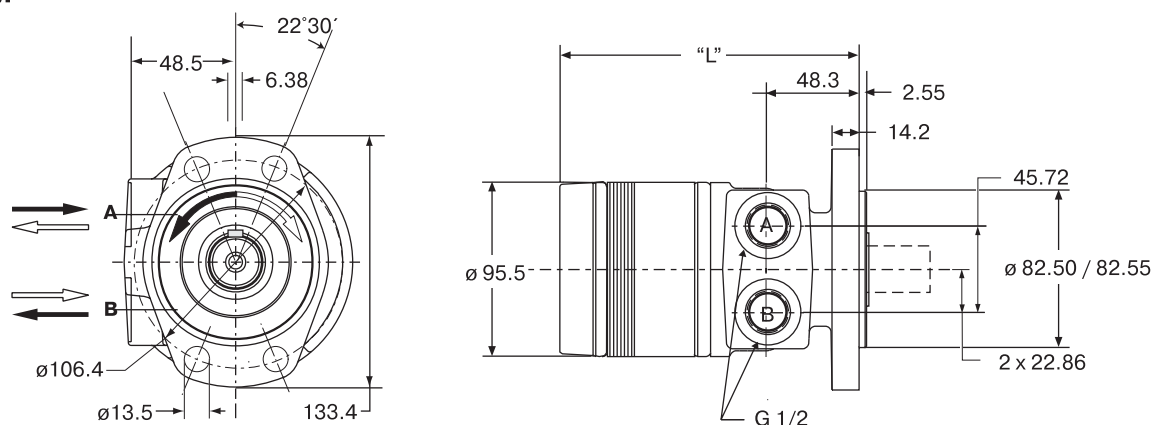
** Druckdifferenz Δp zwischen Ein- und Ausgang
** Pressure difference is Δp between input and output
** La différence de pression est Δp entre l'entrée et la sortie
** La differenza di pressione corrisponde al Δp tra ingresso e uscita

Housing / Gehäuse / Carter / Corpo

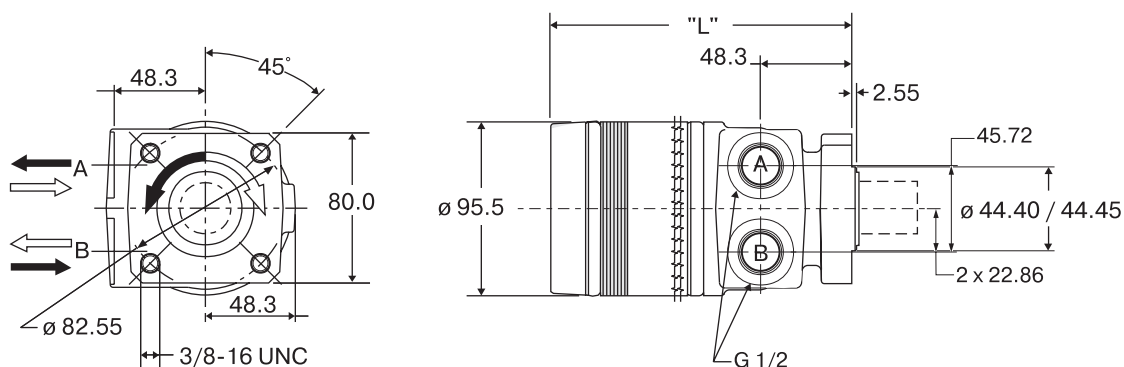
Code C



Code M

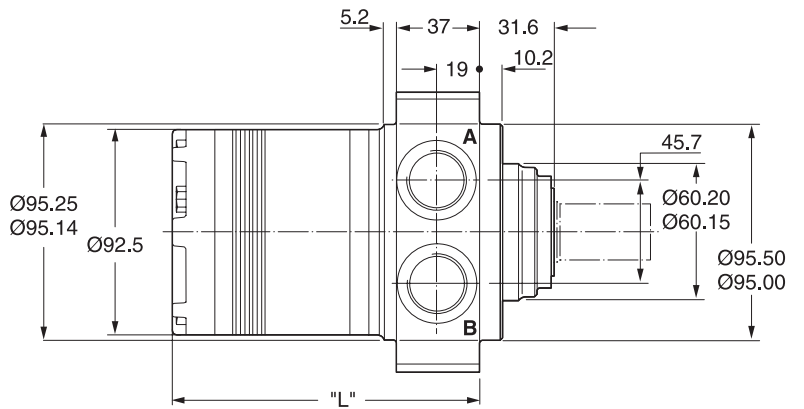
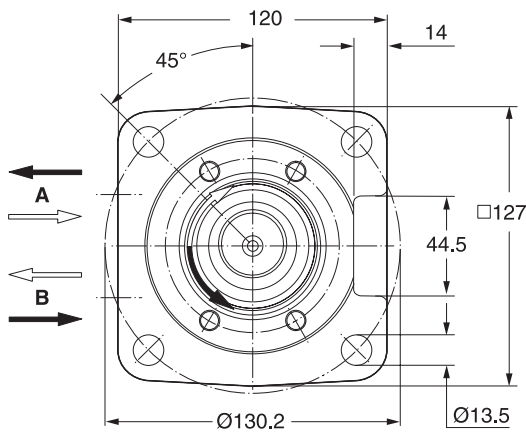


Code D

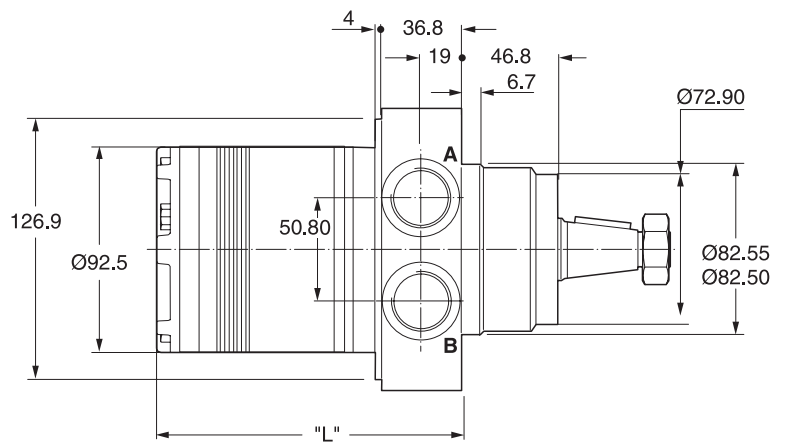
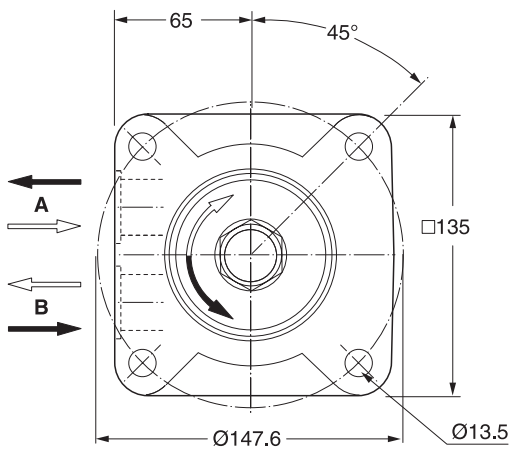


	Series TE														
	36	45	50	65	80	100	130	165	195	230	260	295	330	365	390
Gewicht / Weight Poids / Peso [kg]	5.8	6.3	6.5	6.6	6.7	6.8	7.1	7.4	7.7	7.9	8.2	8.3	8.7	9.0	9.2
Code C „L“ [mm]	128	131	133	136	140	143	149	155	162	168	174	181	187	195	200
Code M, D	134	136	138	141	144	147	153	160	166	173	179	185	192	200	205

Code L



Code U

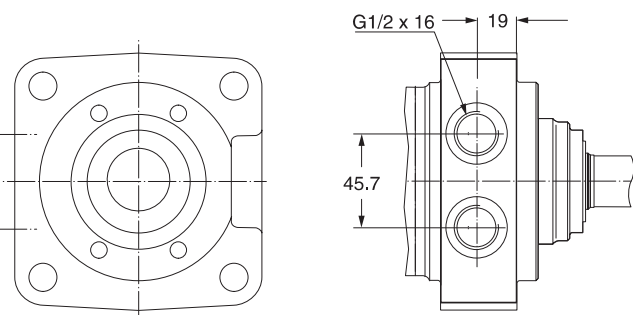
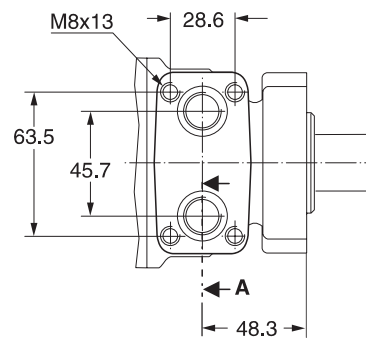
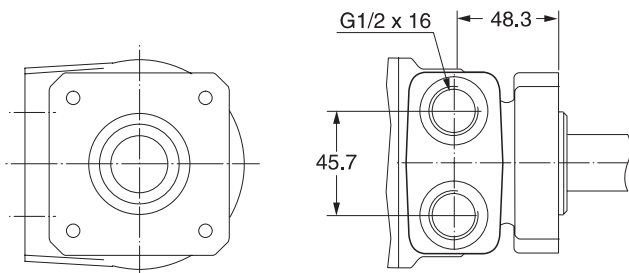
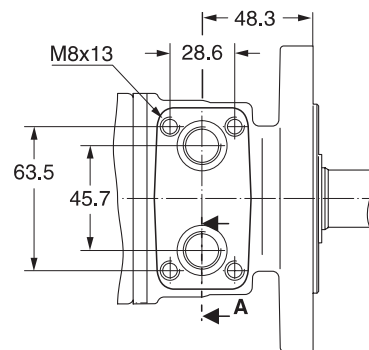
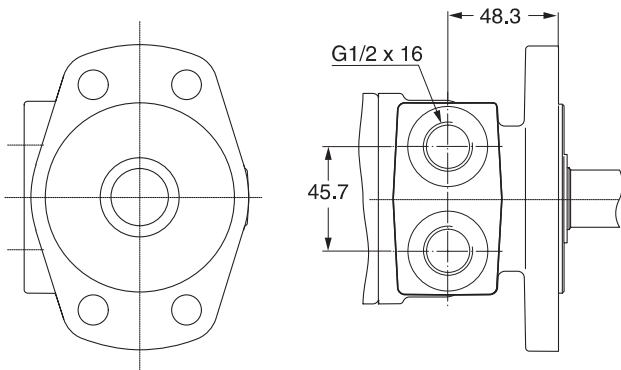
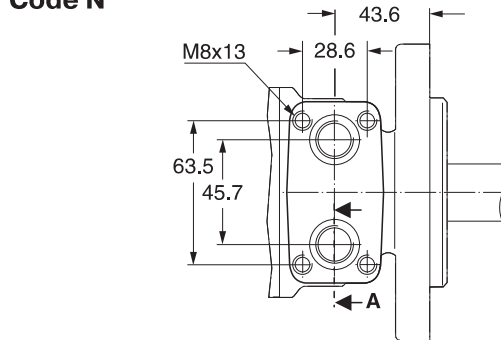
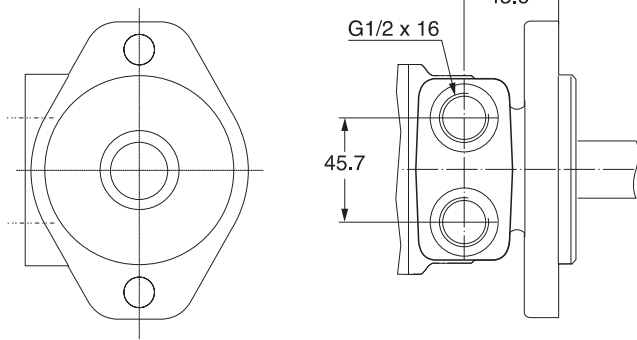


		Series TJ														
		36	45	50	65	80	100	130	165	195	230	260	295	330	365	390
Gewicht / Weight Poids / Peso [kg]		6.7	6.8	6.9	7.0	7.1	7.2	7.6	7.8	8.1	8.3	8.6	8.8	9.1	9.4	9.6
Code L, U	"L"[mm]	103	106	109	112	115	118	124	131	137	143	150	156	162	171	175

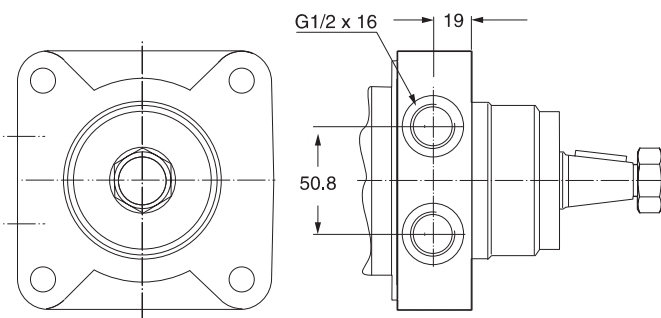
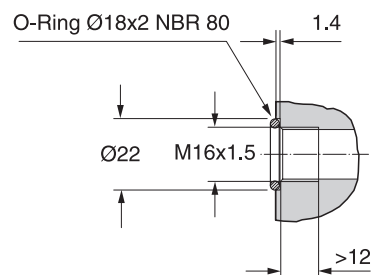
● **Front Ports / Anschlüsse vorn / Orifices avant / Conessioni anteriori**

Code W

Code N



Section A



Zum Motor mit Universalanschluss werden 2 O-Ringe geliefert.

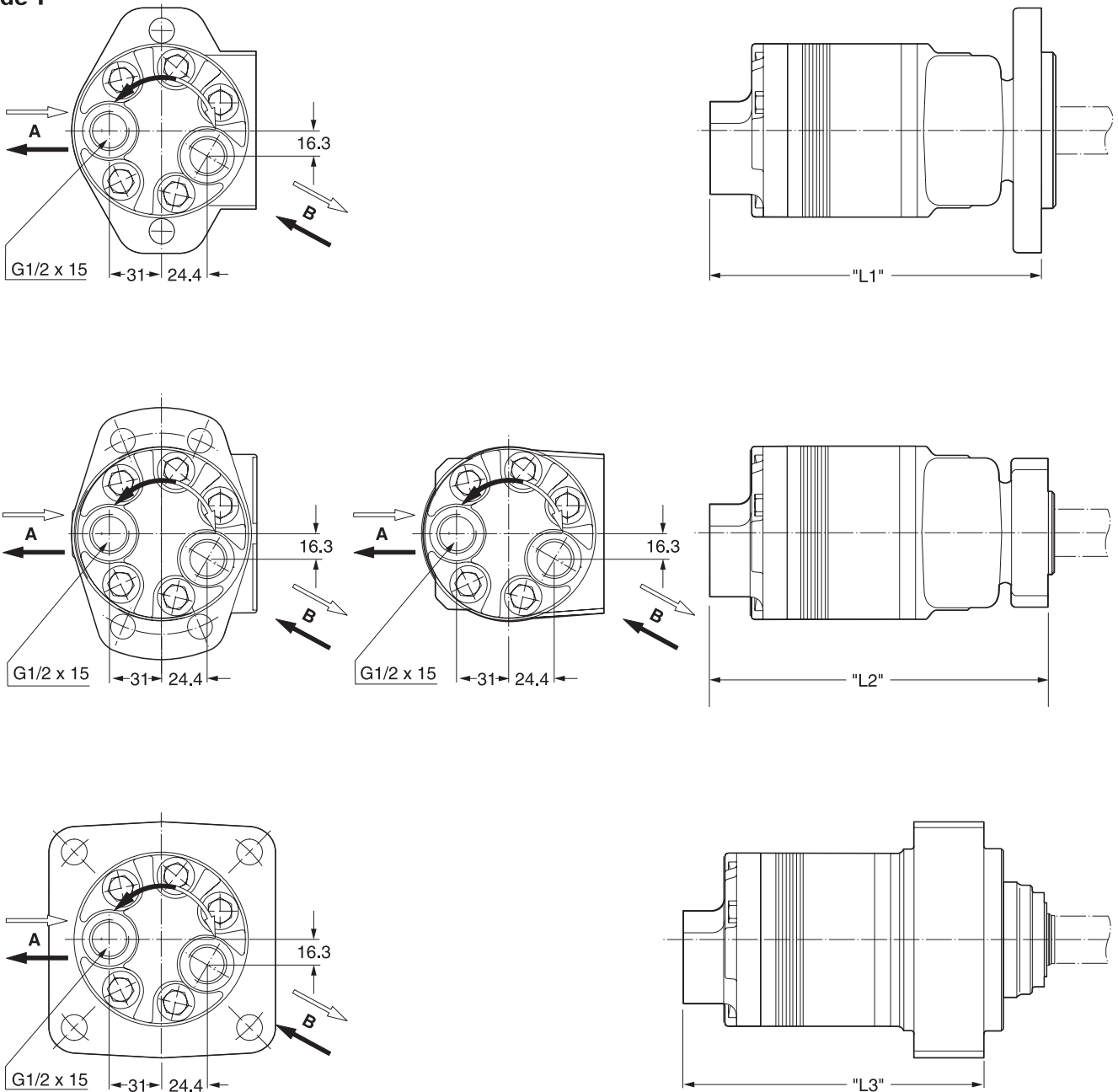
Motor with manifold mount is supplied with 2 O-rings.

Deux joints toriques sont livrés avec les moteurs au plan de raccordement universel.

Il blocchetto connessioni è corredato da 2 OR.

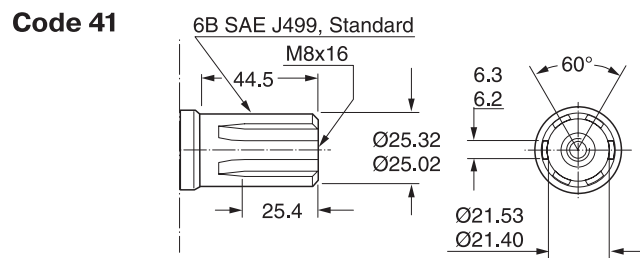
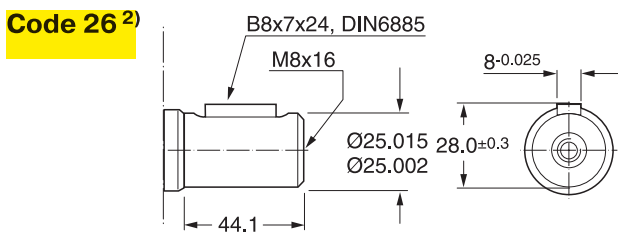
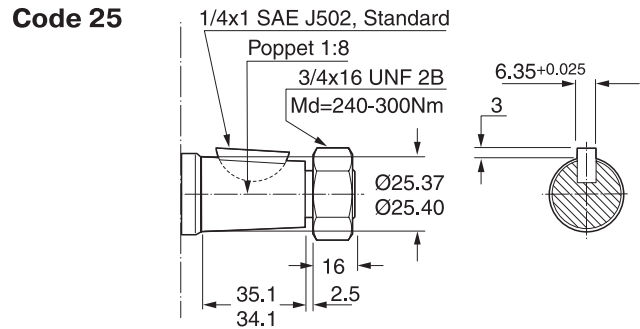
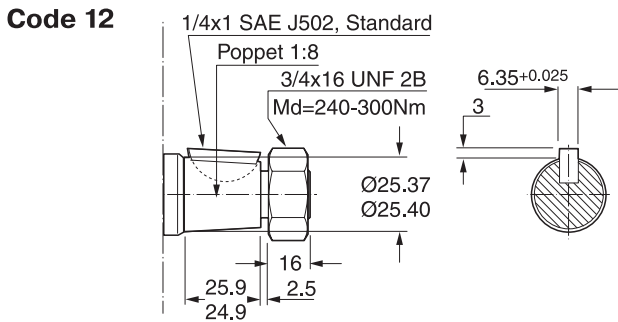
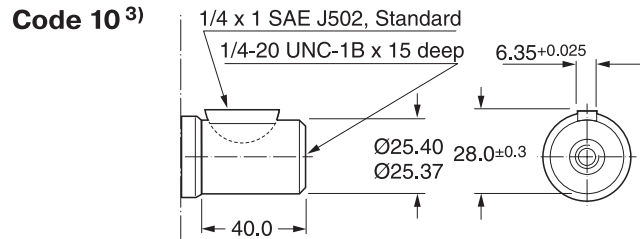
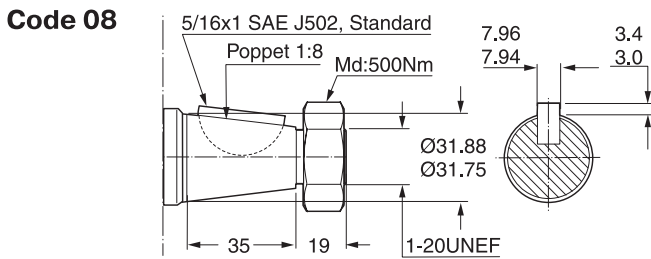
● **Rear Ports / Anschlüsse hinten / orifices arrière/ Conessioni posteriori**

Code Y



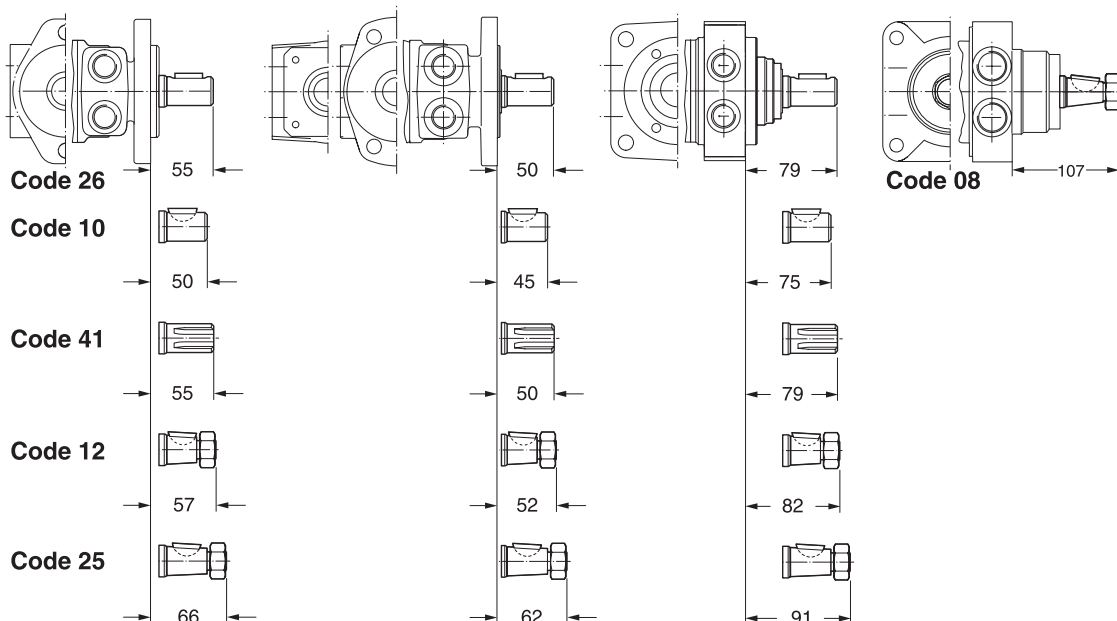
		Series TE														
		36	45	50	65	80	100	130	165	195	230	260	295	330	365	390
Gewicht / Weight Poids / Peso [kg]		7.2	7.3	7.4	7.5	7.6	7.7	8.1	8.3	8.6	8.8	9.1	9.3	9.6	9.9	10.1
Code Y	„L1“[mm]	151	152	154	157	160	164	170	177	183	189	196	202	208	215.5	221
	„L2“[mm]	155	156	158	161	165	168	174	181	187	193	200	206	212	220	225
	„L3“[mm]	127	128	130	132	136	139	145	152	158	164	171	177	183	191	196

Coupling shaft / Abtriebswelle / Arbre / Alberi



²⁾ **Code 69** = Rostfreie Ausführung
Stainless steel version
Version en acier inoxydable
Versione in acciaio inossidabile
230 Nm (2100lb in) Max. Drehmomentt/
Max Torque/ Couple maxi/ Coppia max

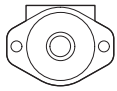


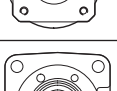
³⁾ **Code 70** = 25,4 mm - Rostfreie Ausführung
25,4 mm - Stainless steel version
25,4 mm - Version en acier inoxydable
25,4 mm - Versione in acciaio inossidabile
230 Nm (2100lb in) Max. Drehmomentt/
Max Torque/ Couple maxi/ Coppia max





TE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Series	Schluckvolumen Displacement Cylindrée Cilindrata		Gehäuse Housing Carter Scatola motore	Welle Shaft Arbre Albero	Drehrichtung Direction of rotation Direction de rotation Direzione di rotazione		Option

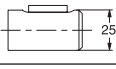

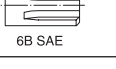
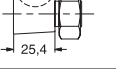
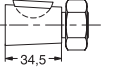

Code	cm ³ /rev
0036	36
0045	41
0050	50
0065	66
0080	82
0100	98
0130	130
0165	163
0195	196
0230	228
0260	261
0295	293
0330	326
0365	370
0390	392

Code	Option
AAAB	standard
HAAP	external relief valve 100 bar
HAAU	external relief valve 140 bar

Code	Housing
C	
M	
D	
L	

Code	Port
W	G 1/2
N ¹⁾	universal port M8x13
Y	rear port G 1/2 axial

Code	Direction
0	 Standard
1	

Code	Shaft
26	
69³⁾	
10 70 ³⁾	
41	 6B SAE
12	
25	

1) Nicht verfügbar für Gehäuse L
 Not available for housing code L
 Pas disponible pour carter code L
 Non Disponibile per Alloggiamento codice L

3) 230 Nm (2100lb in) Max. Drehmoment/
 Max Torque/ Couple maxi/ Coppia max

