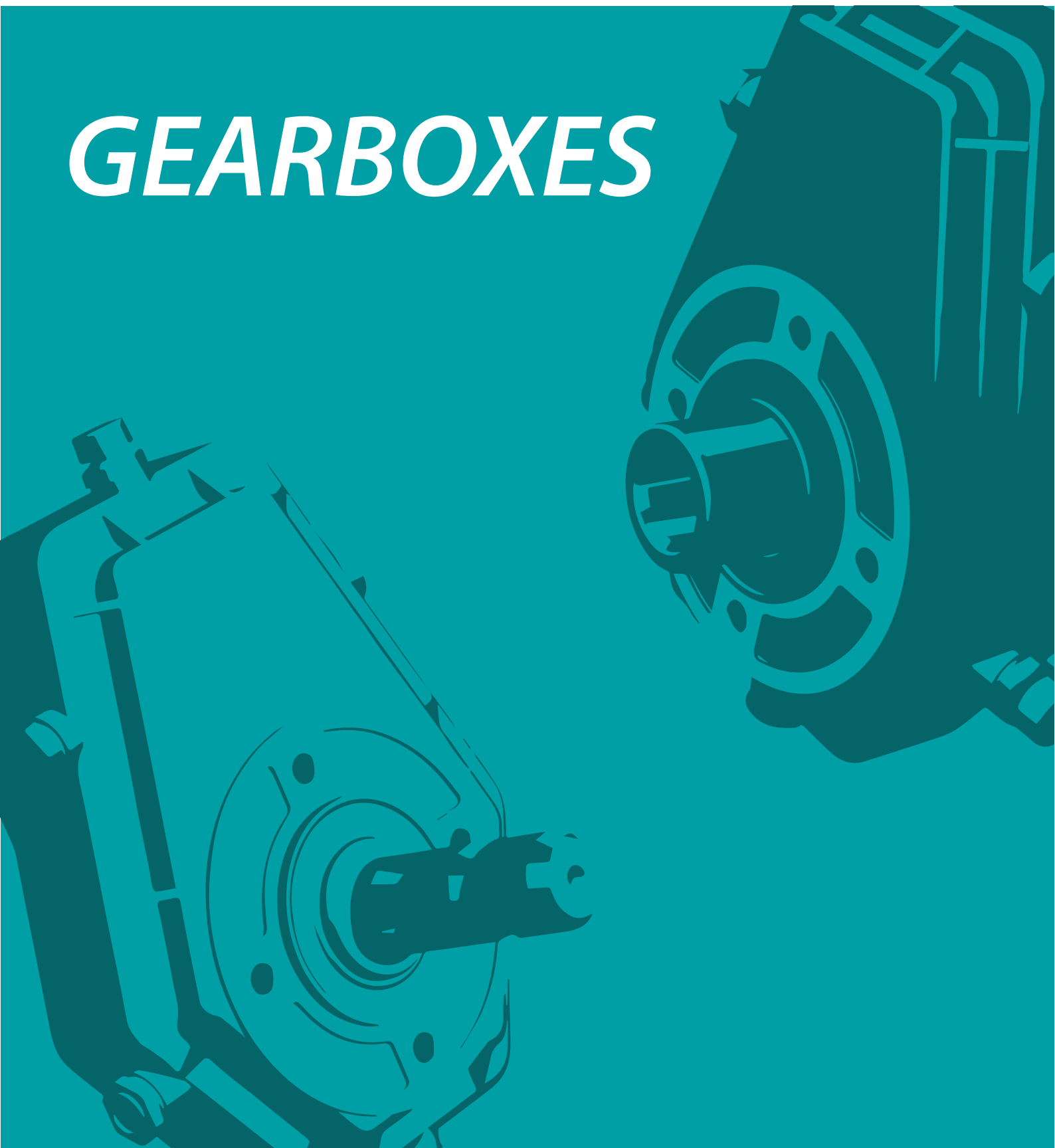
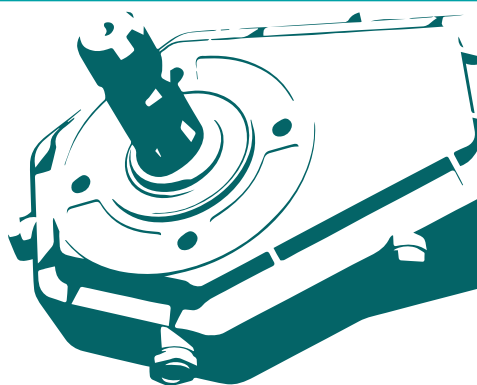


GEARBOXES



VINCKE



INDEX

Gearboxes G2.....	4
Gearboxes G3.....	7
Cast iron gearboxes.....	10
Speed reduction G2.....	13
Speed reduction G3.....	16
Splined couplings.....	19
Support cylindrical shaft G2.....	21
Support cylindrical shaf G3.....	23
Electrical clutch.....	25



PRODUCT INTRODUCE

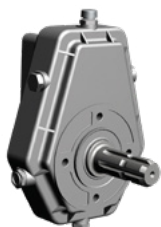
- The gears and shafts of gearboxes are all use high strength alloy steel , they own great toughness and wear resistance through the corresponding processing and heat treatment .
- The covers and housings are made in shell-cast aluminium or cast iron , and the material density , strength and appearance are very good , you can choose the gearbox of different materials according to the power or torque you use .
- All machining parts are CNC lathe, CNC hobbing machine, CNC shaving machine, machining center and other precisionmachine tools for processing , They can guarantee the dimensional accuracy of each part very well .
- Other parts all meet the corresponding national standards , they have excellent performance and long service life .

ASSEMBLY AND USE INDICATIONS

Please strictly follow assembly and use indications for top performance and longer life of the gearboxes .

- Different input or output speeds can be suitable for our gearboxes , but make sure they don't go faster than 3,000 R.P.M each , because the gearbox will increase the wear and heat seriously if the rotation speed is too high , and cause parts to reduce the service life .
 - The torques mentioned in the technical charts of gearboxes refer to continuous duty , and torques under intermittent working conditions can be exceeded by 20% .
 - We recommend to use oil type SAE 90 to ensure longest life and proper operation of the unit , Carry out first oil change after 60 to 80 working hours , and check oil level via the oil level plug every 1500 hours .
 - Continuous working temperature should not exceed 120° , because high temperature will accelerate the aging of seals .
 - Assembly of gearbox must be performed referring to the position of the oil filling cap , oil level and oil drain plug .
 - Pump assembly requires a half-coupling and a fitting flange according to specific requirements ; When ordering , please specify flange and pump shaft type ; Contact our technical staff when installing special pumps with operating features different from those stated in this catalogue .
-

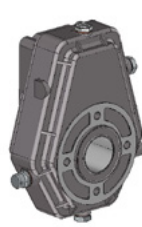
GEARBOXES G2



2001



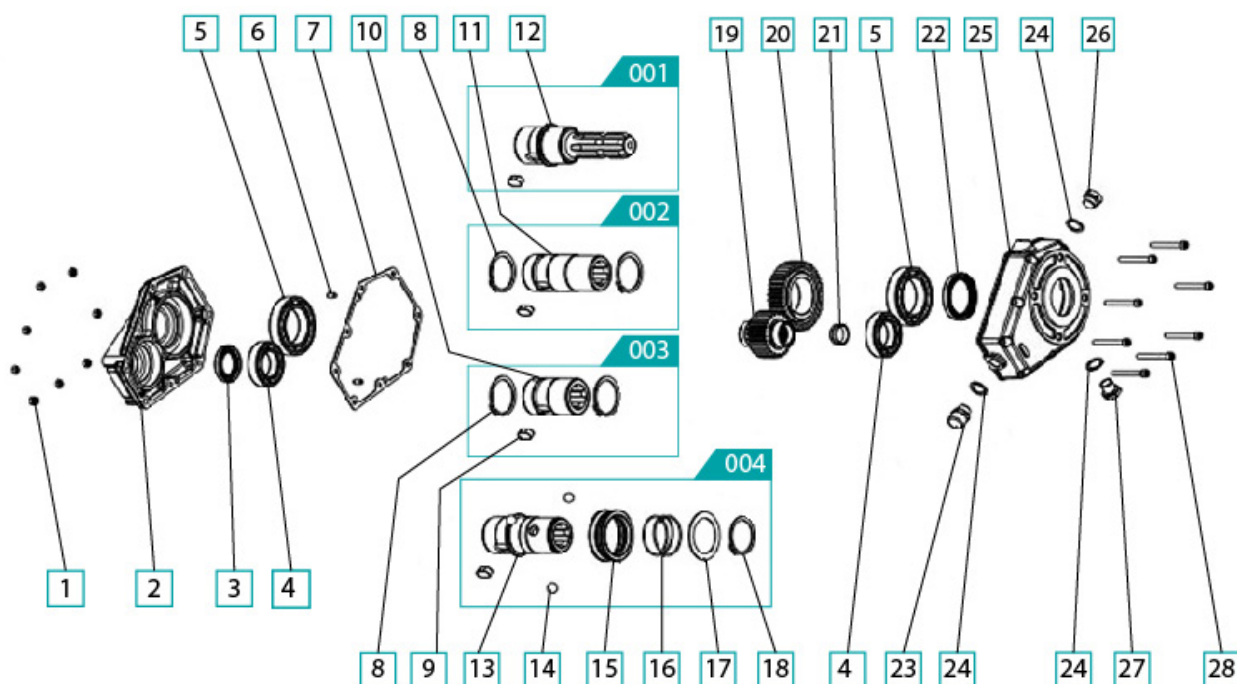
2002



2003



2004 / 2004.1

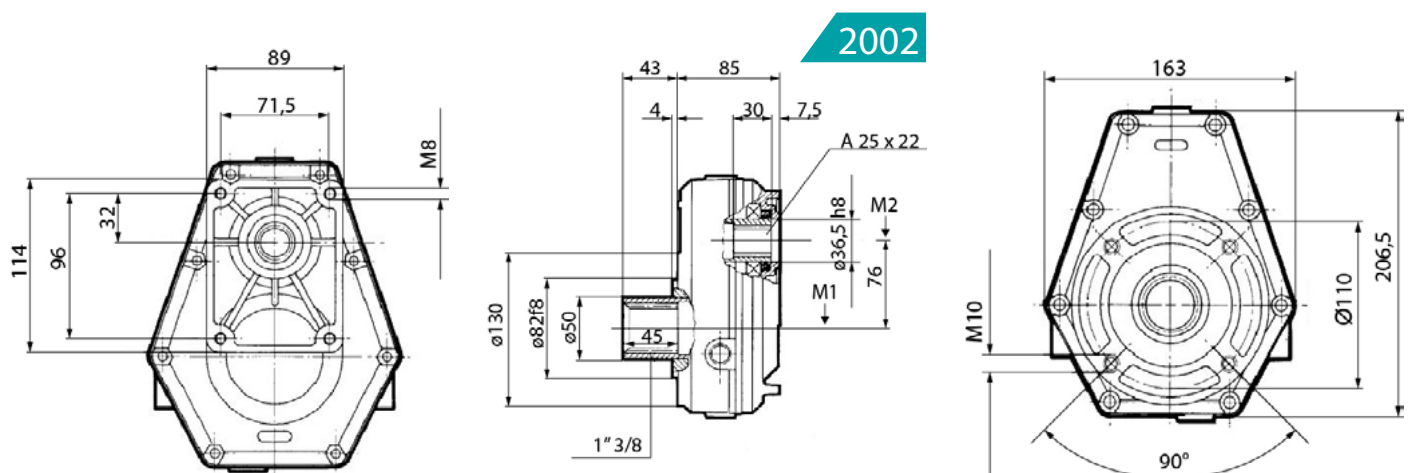


No.	Description	Quantity	No.	Description	Quantity
1	Nut M6	8	15	Spring ring	1
2	Cover	1	16	Spring	1
3	Sealing ring Ø35 x 52 x 7	1	17	Ring	1
4	Bearing type 6007	2	18	Sanp ring 48	1
5	Bearing type 6010	2	19	Pinion gear	1
6	Peg 6 x 12	2	20	Ring gear	1
7	Gasket	1	21	Cap DIN 470 Ø27	1
8	Snap ring dia. 50	2	22	Sealing ring Ø50 x 65 x 8	1
9	Key 12 x 8	1	23	Oil filling cap 3/8"	1
10	Female 1 3/8" DIN 9611 short	1	24	Gasket	3
11	Female 1 3/8" DIN 9611	1	25	Housing	1
12	Male 1 3/8" DIN 9611 + tightening	1	26	Oil drain plug 3/8"	1
13	Female 1 3/8" DIN 9611 + tightening	1	27	Oil level plug 3/8"	1
14	Ball	3	28	Socket capscrew M6 x 50	8

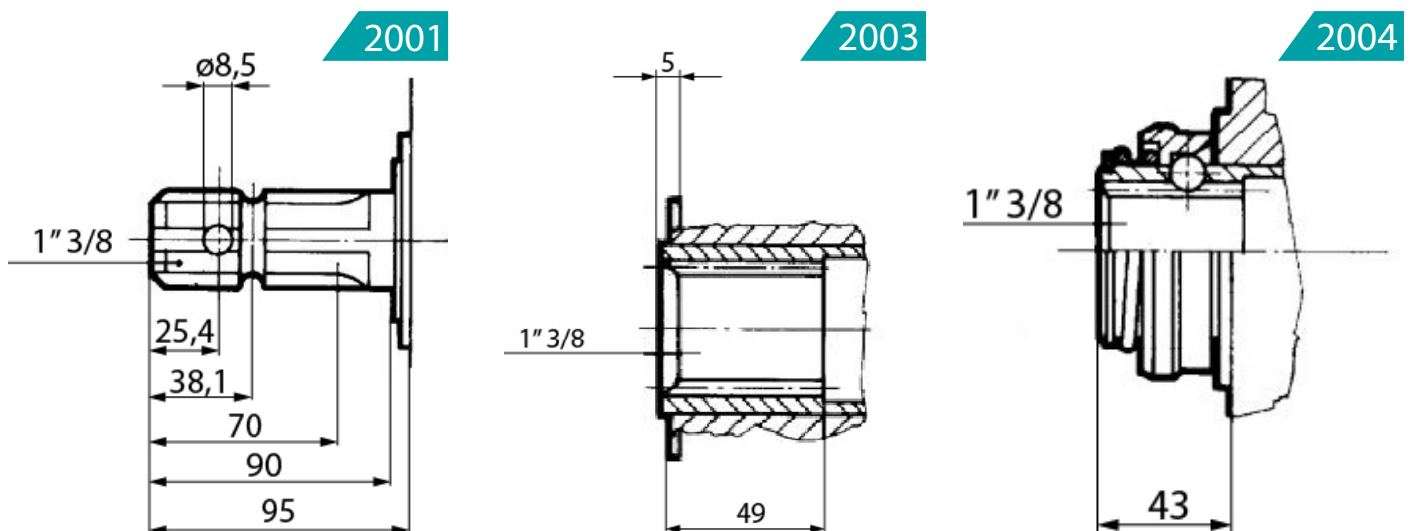
TECHNICAL SHEET

Input torque (Nm)	Output torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
178	119	540	1.5	810	10	5.8
152	76	540	2	1080	10	5.8
165	66	540	2.5	1350	10	5.8
180	55	540	3	1680	10	5.8
186	58	540	3.5	1836	10	5.8
159	42	540	3.8	2052	10	5.8

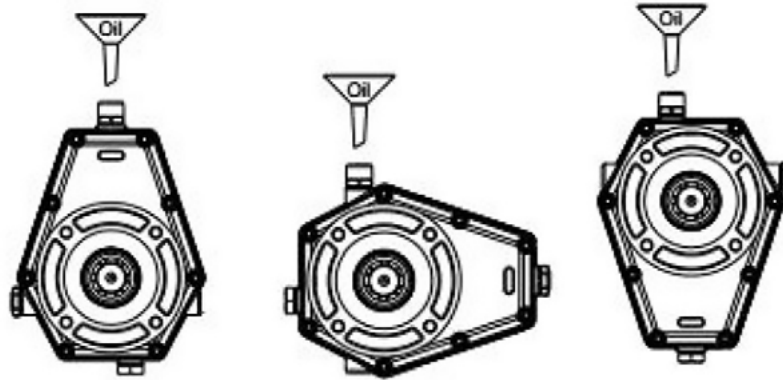
THREE VIEWS



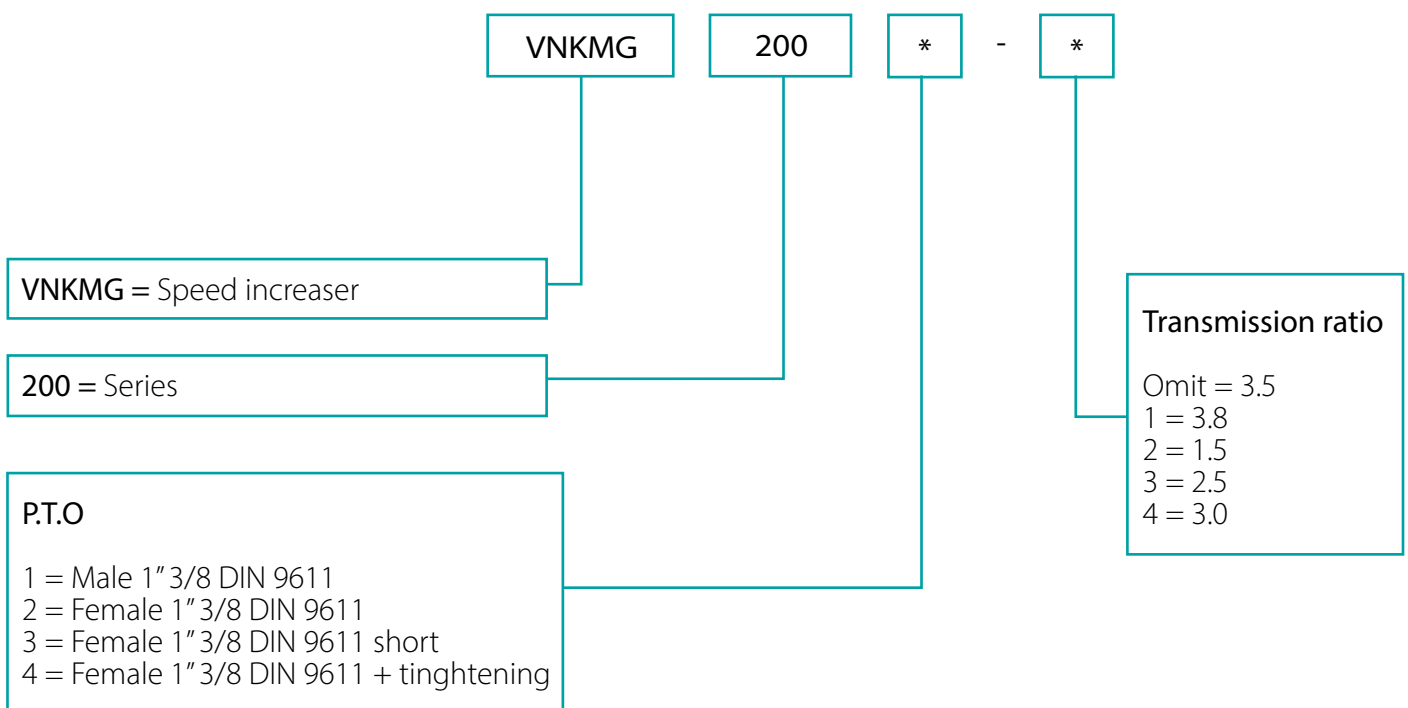
P.T.O



MOUNTING POSITIONS



HOW TO ORDER



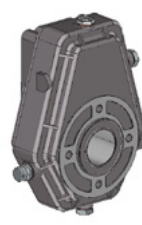
GEARBOXES G3



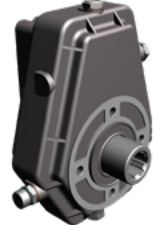
3001 / 3001.1



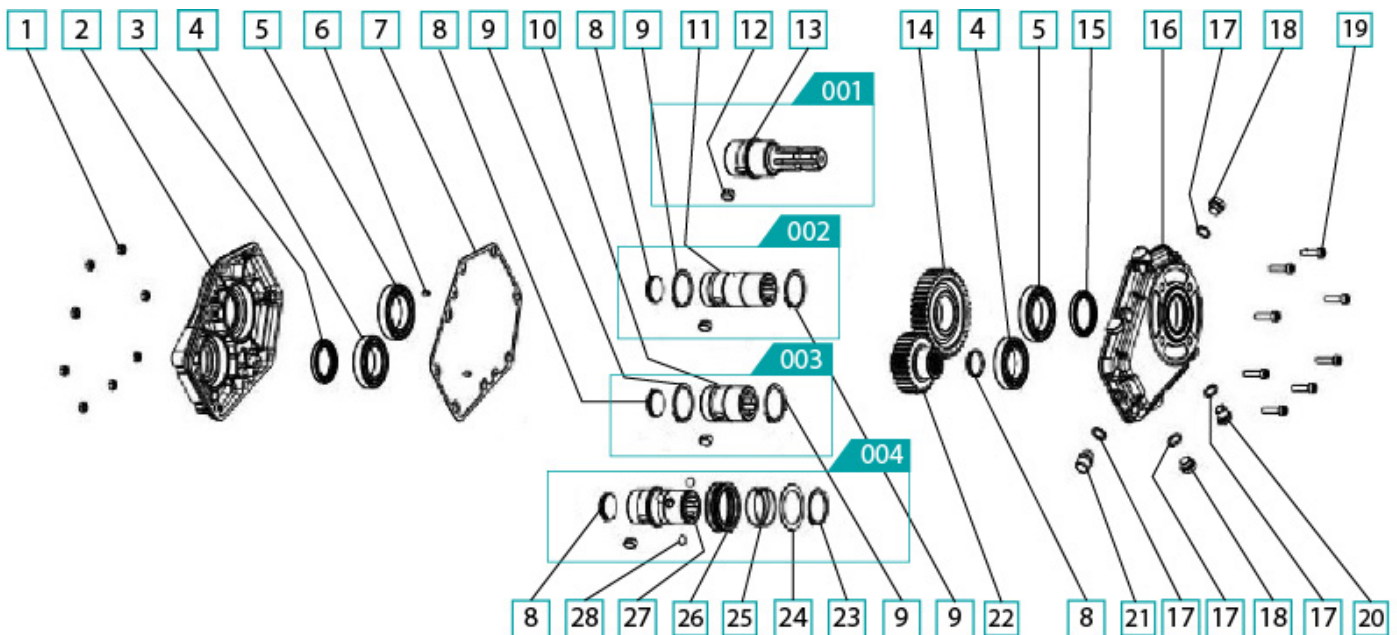
3002



3003



3004 / 3004.1

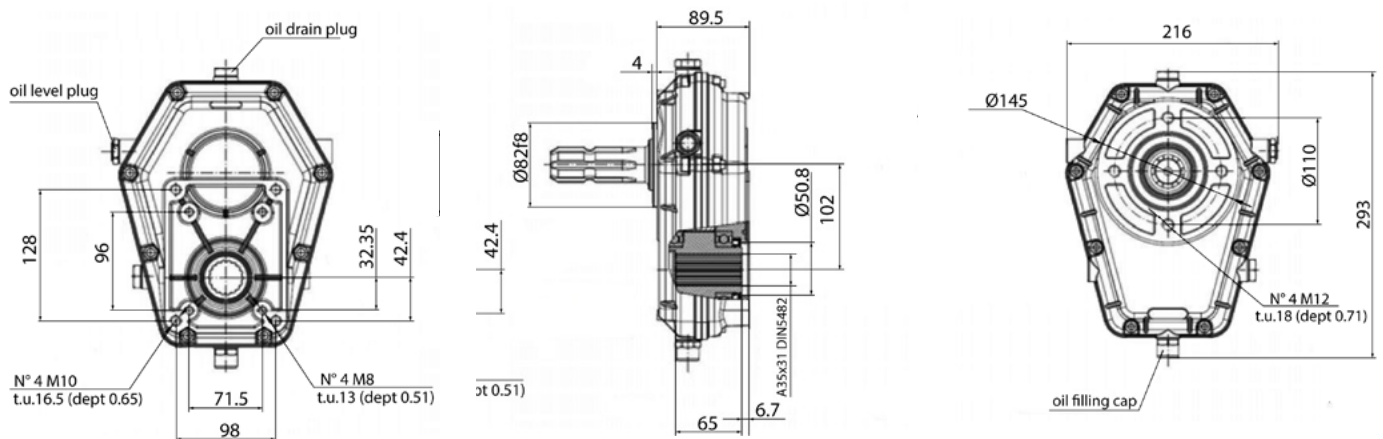


No.	Description	Quantity	No.	Description	Quantity
1	Nut M6	8	15	Sealing ring Ø50 x 65 x 8	1
2	Cover	1	16	Housing	1
3	Sealing ring Ø45 x 65 x 8	1	17	Gasket	4
4	Bearing type 6008	2	18	Oil drain plug 3/8"	2
5	Bearing type 6010	2	19	Socket cap screw M8 x x35	8
6	Peg 6 x 12	2	20	Oil level plug 3/8"	1
7	Gasket	1	21	Oil filling cap 3/8"	1
8	Cap DIN 470 Ø37	1	22	Pinion gear	1
9	Snap ring dia. 50	2	23	Snap ring UNI 7435-50	1
10	Female 1 3/8" Din 9611 short	1	24	Ring	1
11	Female 1 3/8" Din 9611 long	1	25	Spring	1
12	Key 12 x 25	1	26	Spring ring	1
13	Male 1 3/8" Din 9611	1	27	Female 1 3/8" DIN 9611 + tightening	1
14	Ring gear	1	28	Ball	3

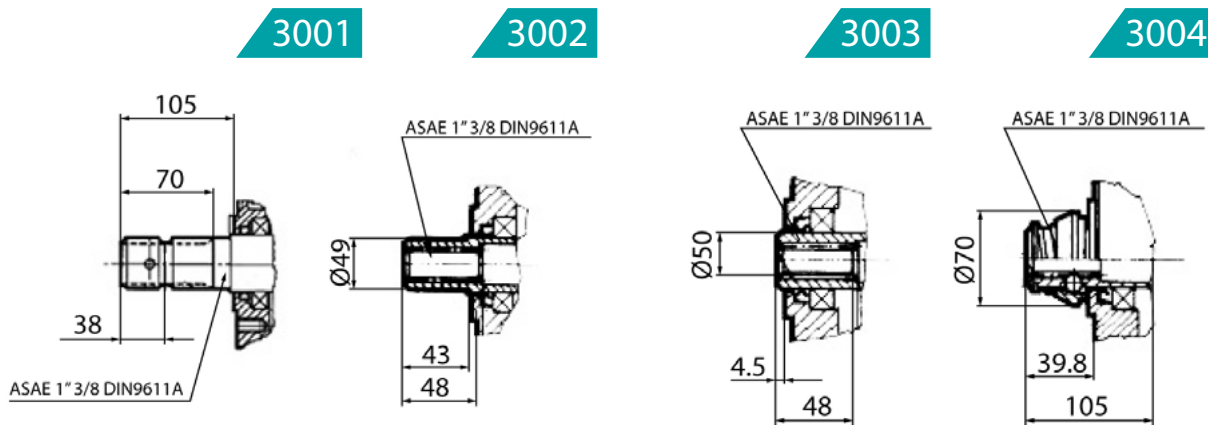
TECHNICAL SHEET

Input torque (Nm)	Output torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
380	260	540	1.5	810	20	8.3
430	210	540	2	1080	20	8.3
460	180	540	2.5	1350	20	8.3
490	160	540	3	1620	20	8.3
460	130	540	3.5	1836	20	8.3
437	115	540	3.8	2052	20	8.3

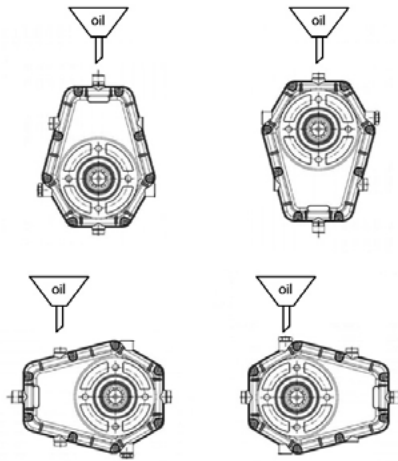
THREE VIEWS



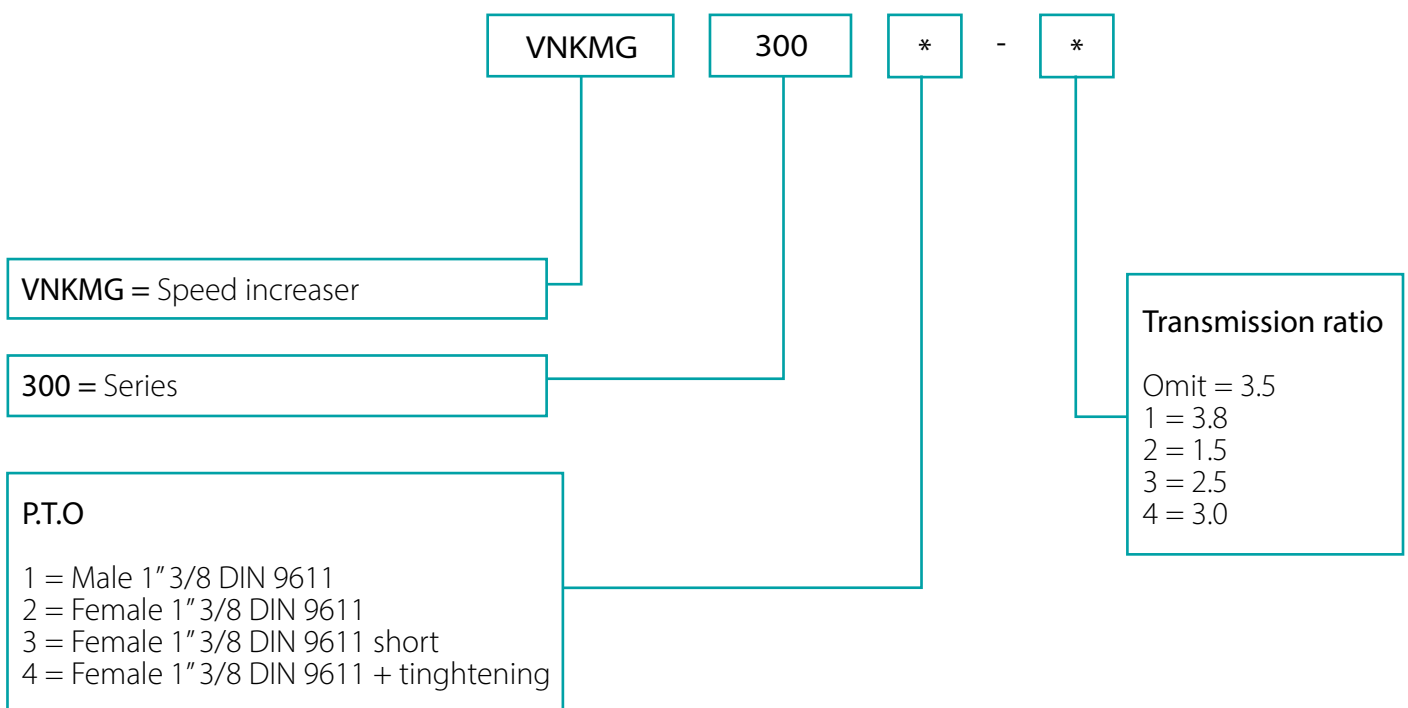
P.T.O



MOUNTING POSITIONS



HOW TO ORDER



GEARBOXES CAST IRON



3001



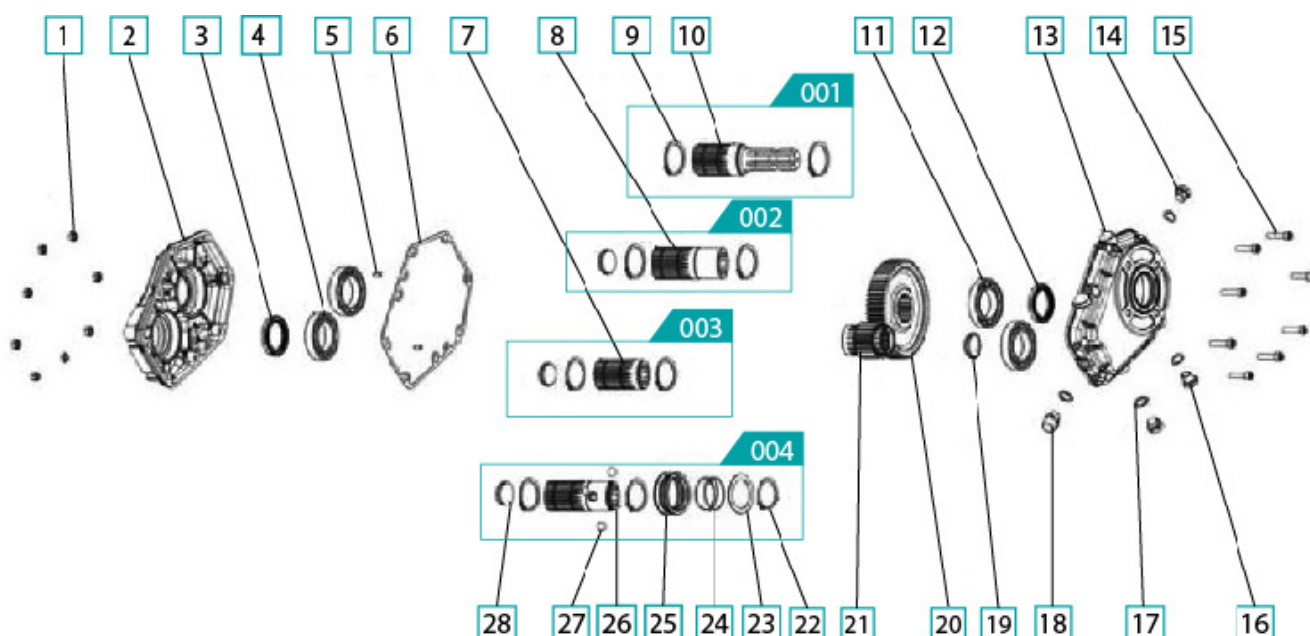
3002



3003



3004

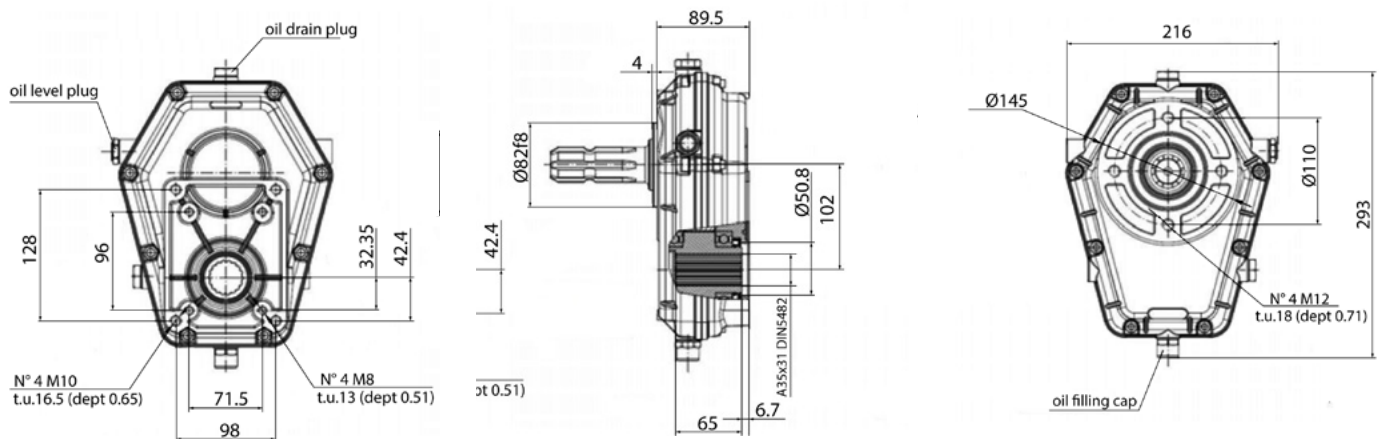


No.	Description	Quantity	No.	Description	Quantity
1	Nut M8	8	15	Socket cap screw M8 x 35	8
2	Cover	1	16	Oil level plug 3/8"	1
3	Sealing ring Ø45 x 65 x 8	1	17	Gasket	4
4	Bearing type 6009	2	18	Oil filling cap 3/8"	2
5	Peg 6 x 12	2	19	Cap DIN 470 Ø37	1
6	Gasket	1	20	Ringer gear	1
7	Female 1 3/8" DIN 9611 short	1	21	Pinion gear	1
8	Female 1 3/8" DIN 9611 long	1	22	Snap ring UNI 7435-50	1
9	Snap ring dia. 50	2	23	Ring	1
10	Male 1 3/8" DIN 9611	1	24	Spring	1
11	Bearing type 6010	2	25	Spring ring	1
12	Sealing ring Ø50 x 65 x 8	1	26	Female 1 3/8" DIN 9611 + tightering	1
13	Housing	1	27	Ball	3
14	Oil drain plug 3/8"	2	28	Cap din	1

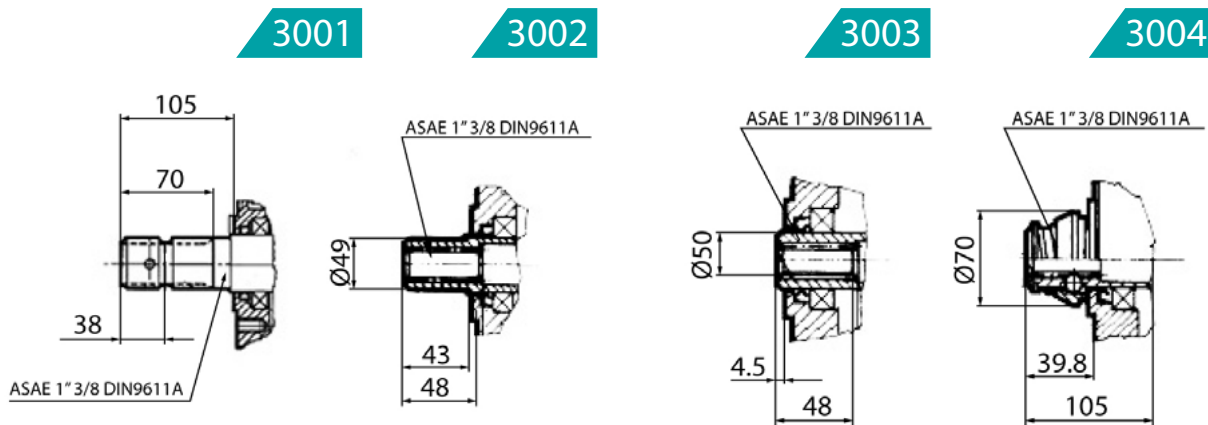
TECHNICAL SHEET

Input torque (Nm)	Output torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
660	440	540	1.5	810	37	16
660	330	540	2	1080	37	16
660	264	540	2.5	1350	37	16
660	220	540	3	1620	37	16
660	180	540	3.5	1834	37	16
660	166	540	3.8	2052	37	16

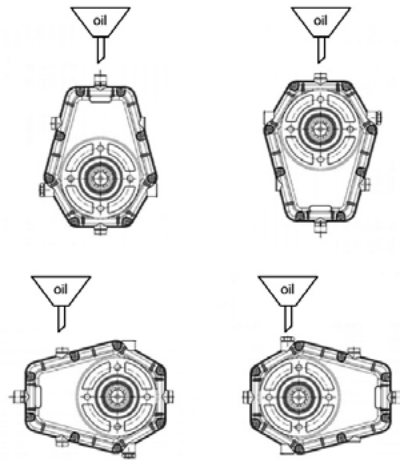
THREE VIEWS



P.T.O



MOUNTING POSITIONS



HOW TO ORDER

VNKMGF 300 * - *

VNKMGF = Speed increaser

300 = Series

P.T.O

1 = Male 1" 3/8 DIN 9611
2 = Female 1" 3/8 DIN 9611
3 = Female 1" 3/8 DIN 9611 short
4 = Female 1" 3/8 DIN 9611 + tightening

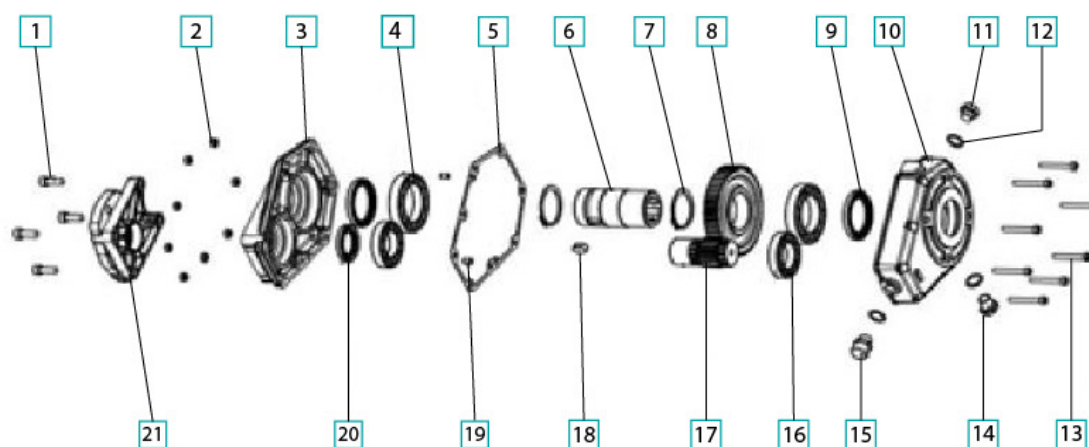
Transmission ratio

Omit = 3.5
1 = 3.8
2 = 1.5
3 = 2.5
4 = 3.0

G2 SPEED REDUCTION



5001

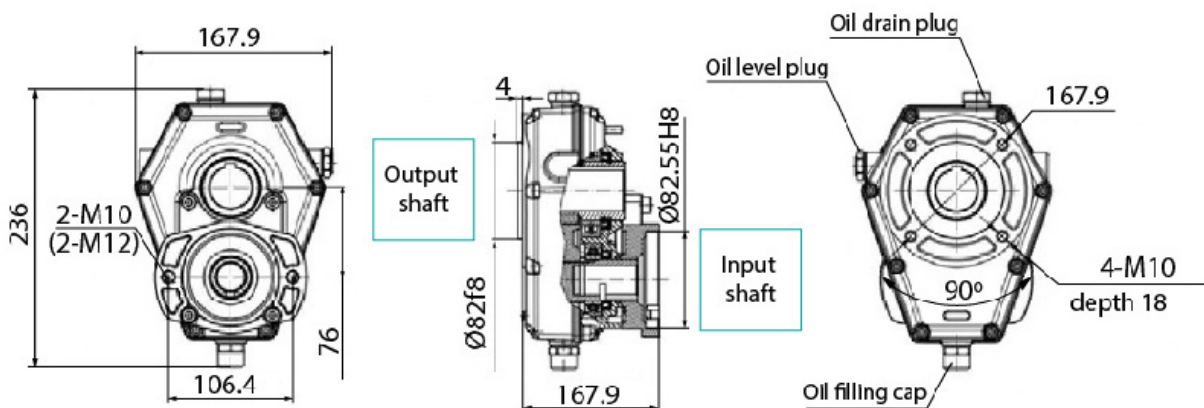


No.	Description	Quantity	No.	Description	Quantity
1	Screw M8 x 20	4	12	Gasket	3
2	Nut M8	8	13	Socket cap screw M8 x 35	8
3	Cover	1	14	Oil level plug 3/8"	1
4	Bearing type 6010	2	15	Oil filling cap 3/8"	1
5	Gasket	1	16	Bearing type 6007	2
6	Hollow shaft Ø35	1	17	Pinion gear	1
7	Snap ring Ø50	2	18	Key 12 x 8	1
8	Ring gear	1	19	Peg 6 x 12	2
9	Sealing ring Ø50 x 65 x 8	2	20	Sealing ring Ø35 x 52 x 7	1
10	Housing	1	21	Flange	1
11	Oil drain plug 3/8"	1			

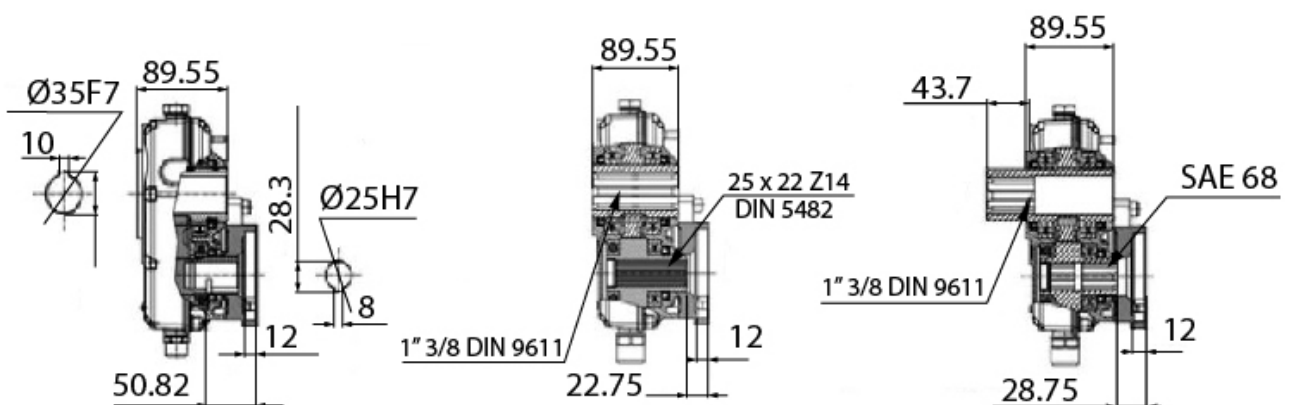
TECHNICAL SHEET

Input torque (Nm)	Output torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
130	196	300	1.5	200	10	6
88	176	400	2	200	10	6
77	192	500	2.5	200	10	6
67	200	600	3	200	10	6
63	214	700	3.5	200	10	6
49	186	760	3.8	200	10	6

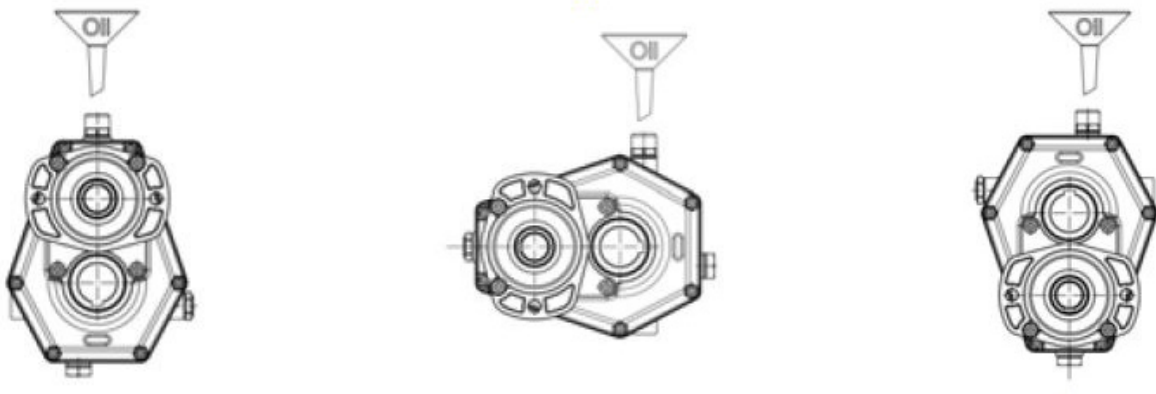
THREE VIEWS



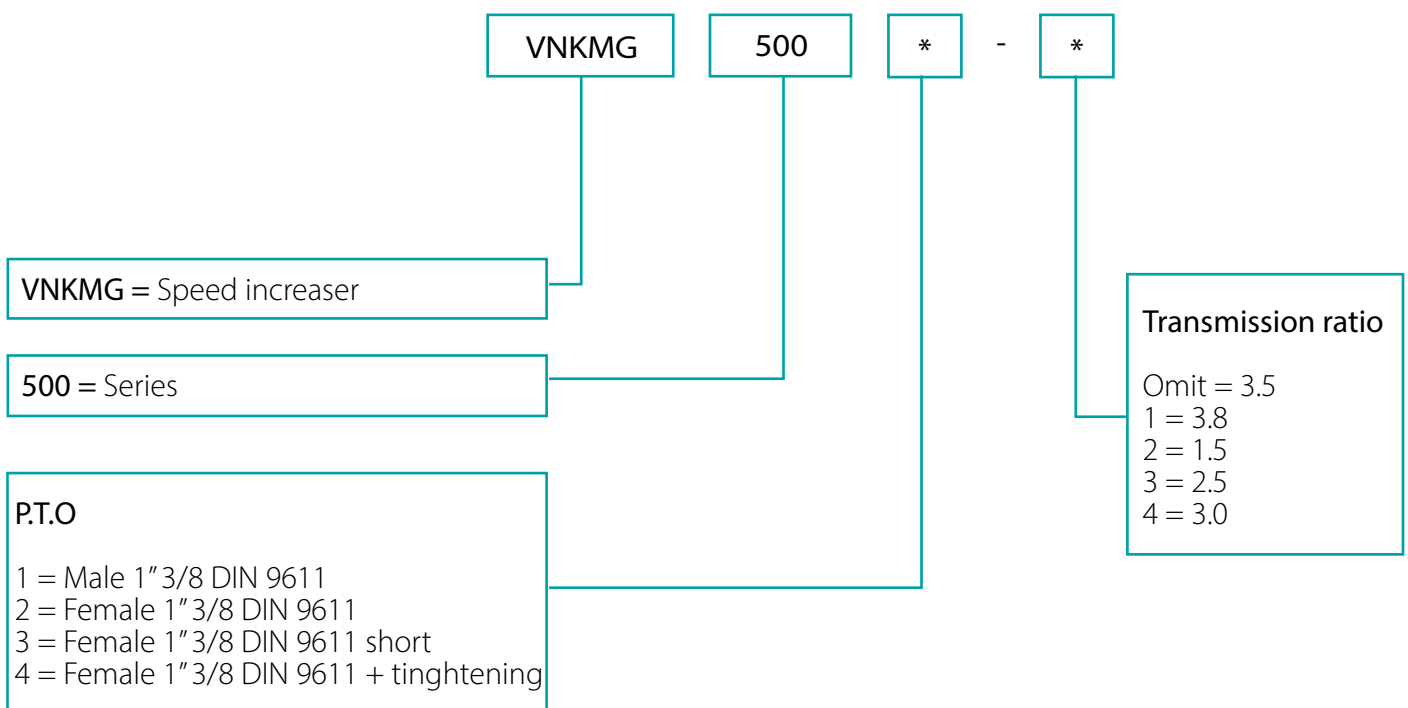
SHAFT



MOUNTING POSITIONS



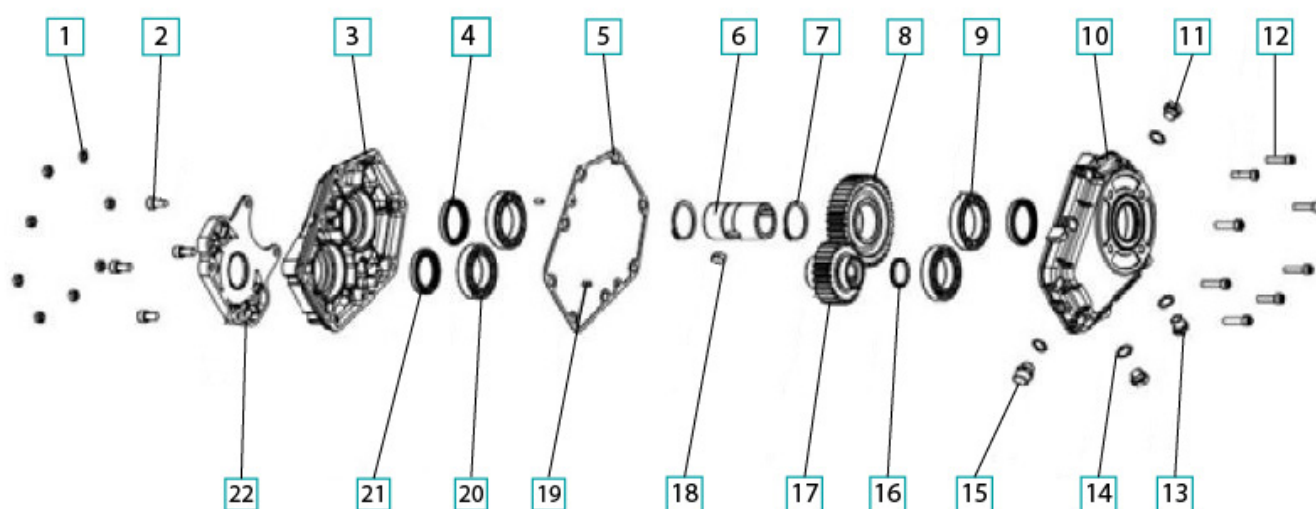
HOW TO ORDER



G3 SPEED REDUCTION



6001

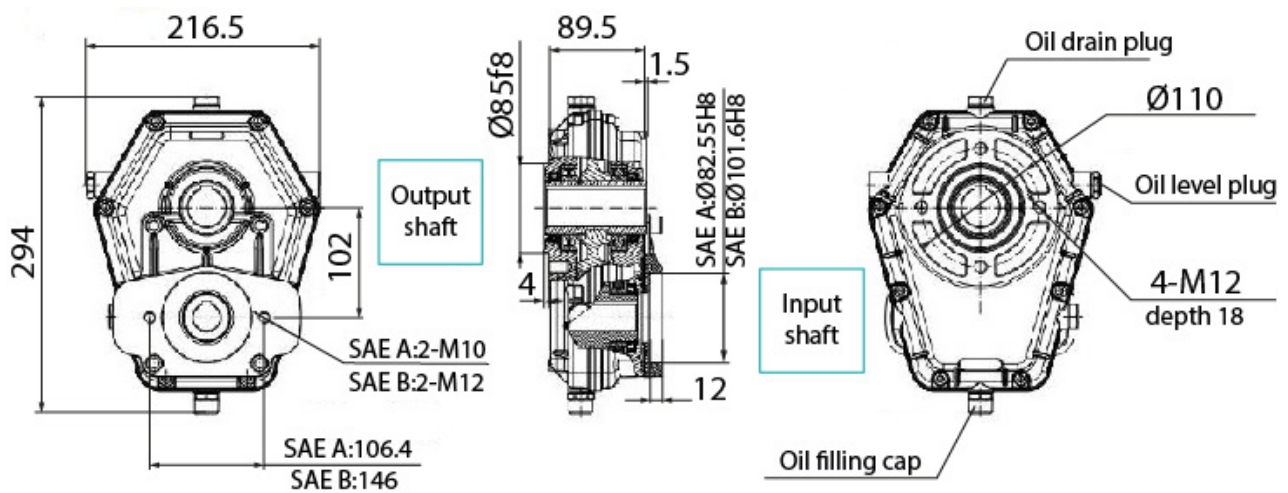


No.	Description	Quantity	No.	Description	Quantity
1	Nut M8	8	12	Socket cap screw M8 x 70	8
2	Screw M8 x 20	4	13	Oil level plug 3/8"	1
3	Cover	1	14	Gasket	4
4	Sealing ring Ø50 x 65 x 8	2	15	Oil filling cap 3/8"	1
5	Gasket	1	16	Cap din 470 Ø37	1
6	Hollow shaft Ø35	1	17	Pinion gear	1
7	Snap ring Ø50	2	18	Key 12 x 25	1
8	Ring gear	1	19	Peg 6 x 12	2
9	Bearing type 6010	2	20	Bearing type 6009	2
10	Housing	1	21	Sealing ring Ø45 x 65 x 8	1
11	Oil draing plug 3/8"	1	22	Flange	1

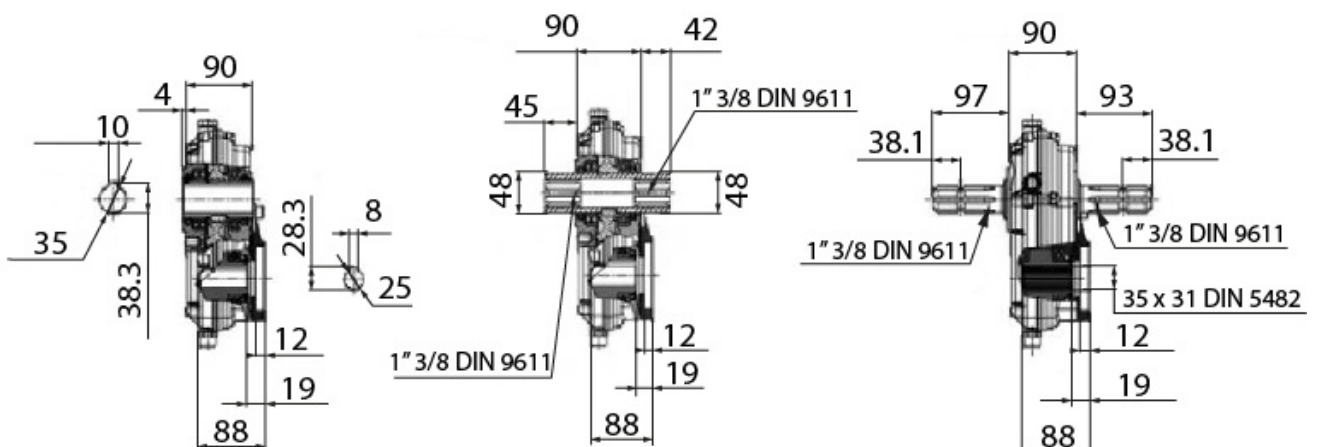
TECHNICAL SHEET

Input torque (Nm)	Output torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
320	480	300	1.5	200	20	8.7
240	485	400	2	200	20	8.7
210	520	500	2.5	200	20	8.7
190	570	600	3	200	20	8.7
150	530	700	3.5	200	20	8.7
140	525	760	3.8	200	20	8.7

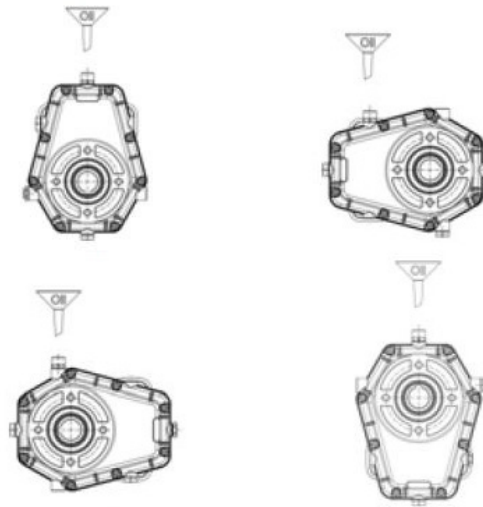
THREE VIEWS



SHAFT



MOUNTING POSITIONS



HOW TO ORDER

VNKMG 600 * - *

VNKMG = Speed increaser

600 = Series

P.T.O

- 1 = Male 1" 3/8 DIN 9611
- 2 = Female 1" 3/8 DIN 9611
- 3 = Female 1" 3/8 DIN 9611 short
- 4 = Female 1" 3/8 DIN 9611 + tightening

Transmission ratio

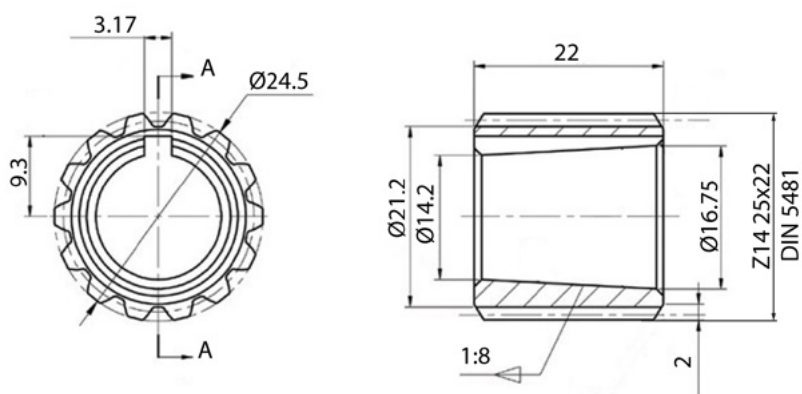
- Omit = 3.5
- 1 = 3.8
- 2 = 1.5
- 3 = 2.5
- 4 = 3.0

SPLINED COUPLINGS

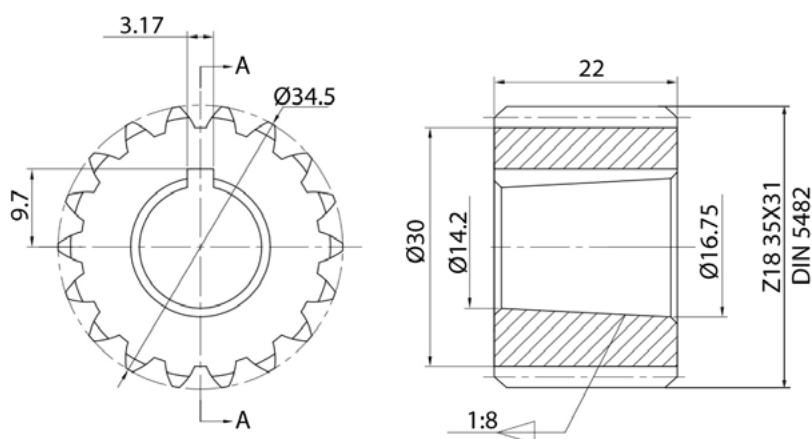


Ref.	Type	Elem. Nr.	In
VNKMG0002	10005	Z 14 25 x 22	GR2
VNKMG0003	10012	Z 18 35 x 31	GR2/GR3
VNKMG0004	10014	Z 18 35 x 310	GR3
VNKMG0005	10007	Z 15 28x 25	GR2
VNKMG0006	10035	Z 15 28x 25	GR2
VNKMG0008	10044	Z 18 32 x 28	GR2/GR3

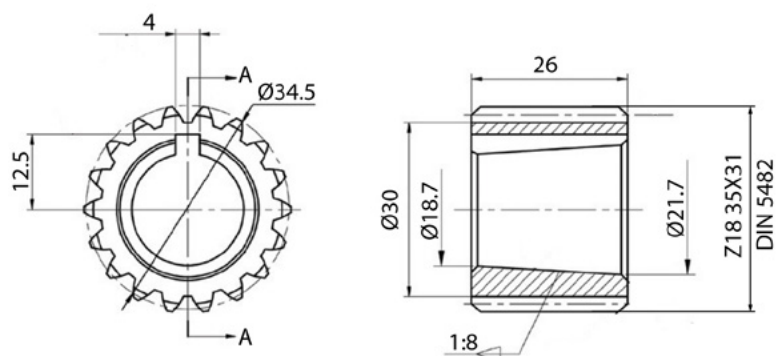
10005



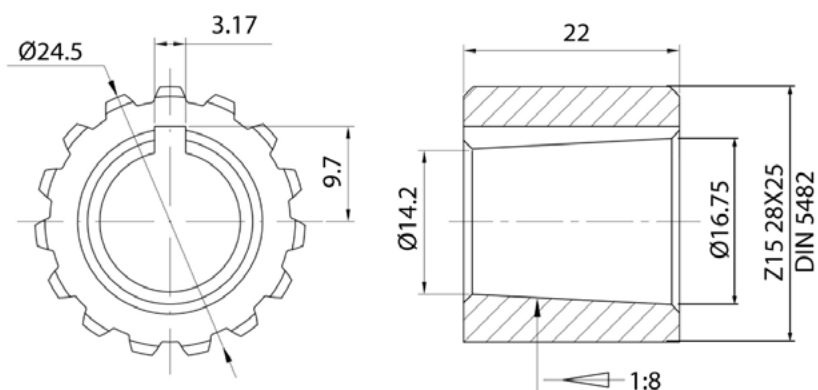
10012



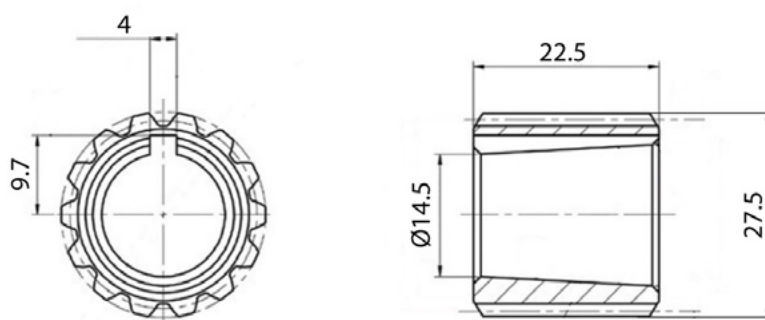
10014



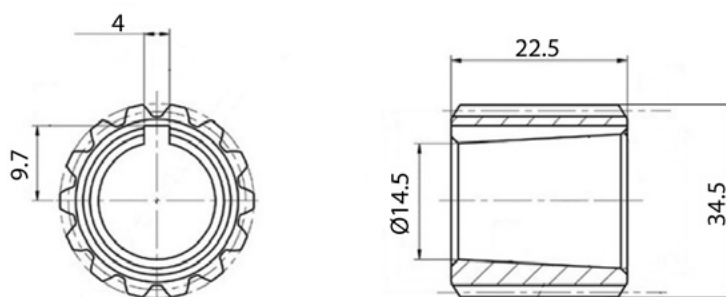
10007



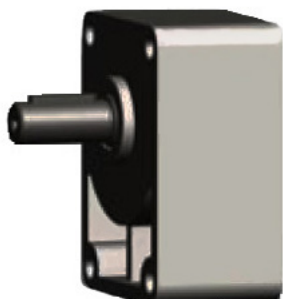
10035



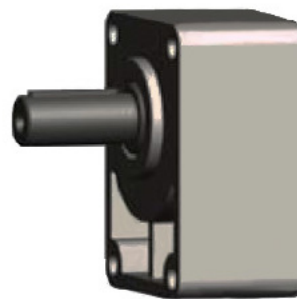
10044



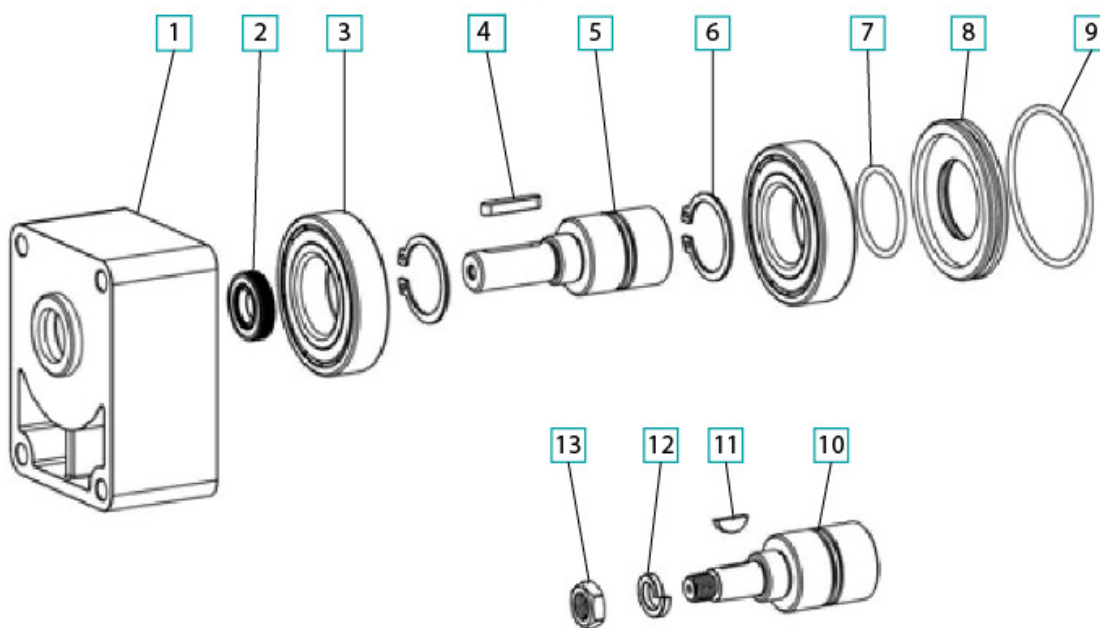
SUPPORT CILINDRICAL SHAFT G2



030001



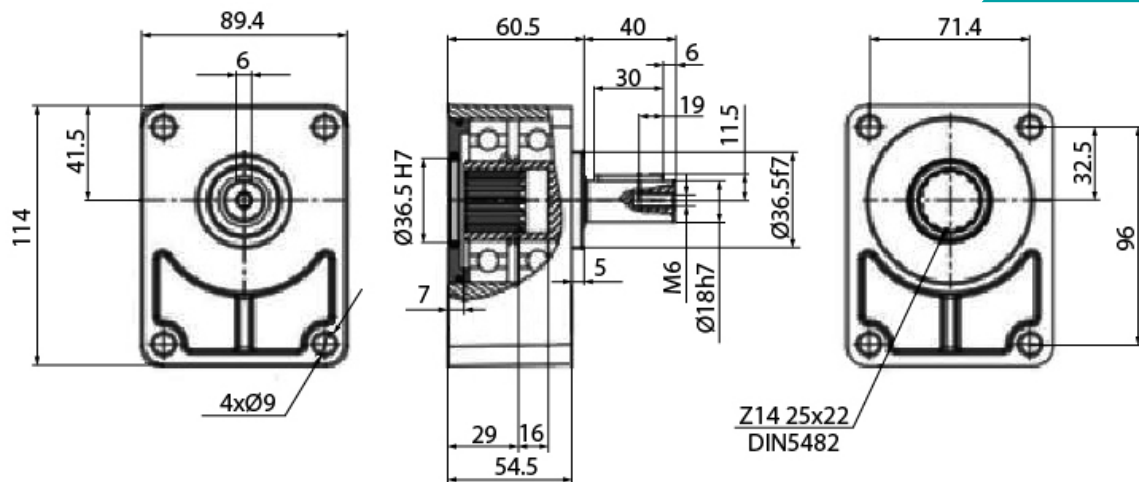
030001.1



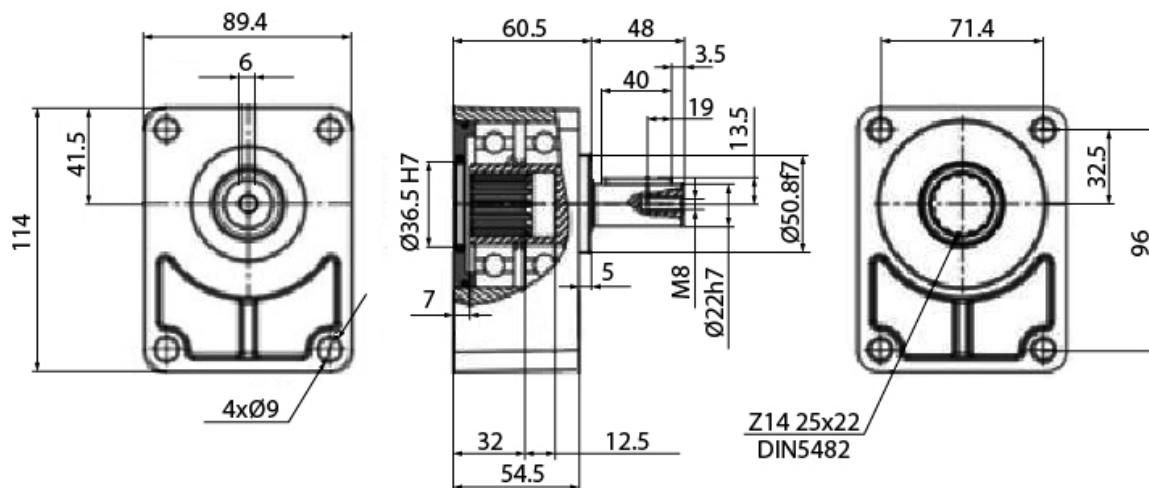
No.	Description	Quantity	No.	Description	Quantity
1	Housing	1	8	End cover	1
2	Sealing ring	1	9	O-ring	1
3	Bearing	2	10	Taper shaft	1
4	Flat key	1	11	Woodruff key	1
5	Flat key shaft	1	12	Spring washers	1
6	Snap ring	2	13	Nut	1
7	O-ring	1			

THREE VIEWS

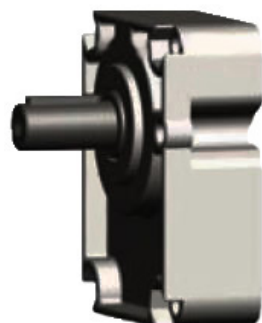
030001



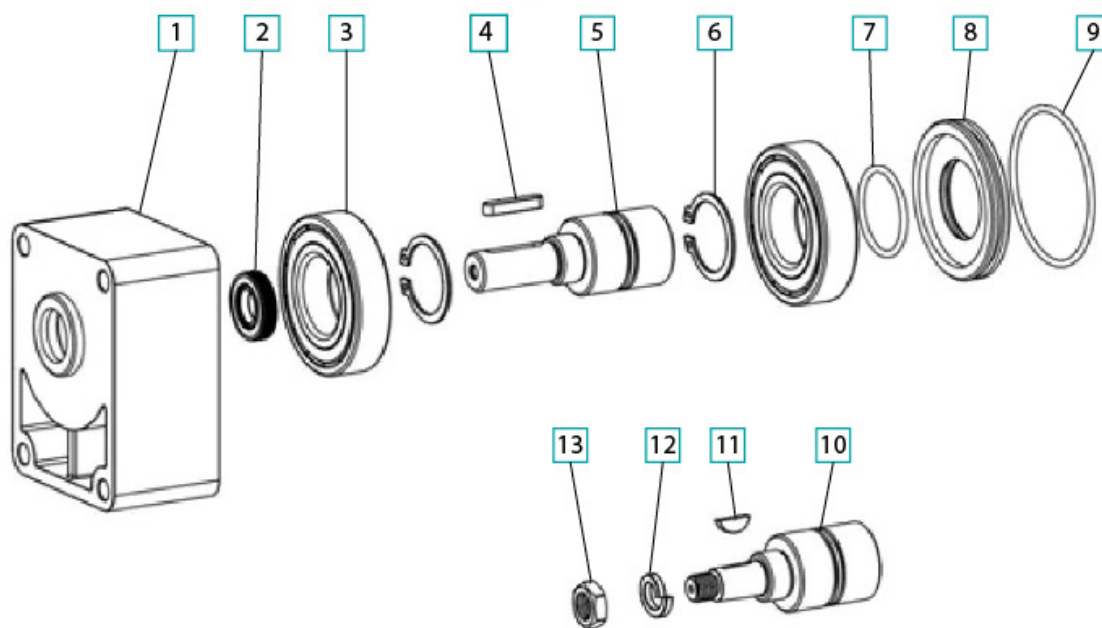
030001.1



SUPPORT CILINDRICAL SHAFT G3

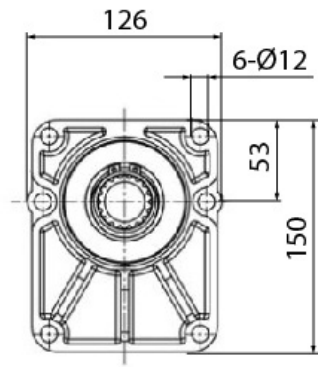
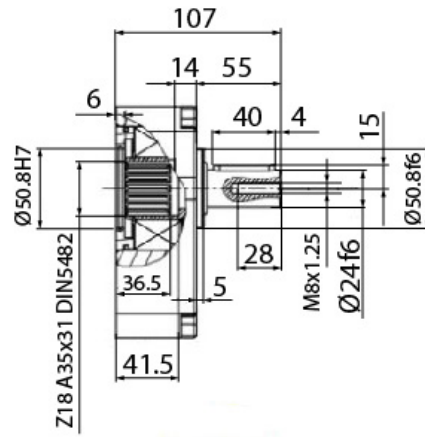
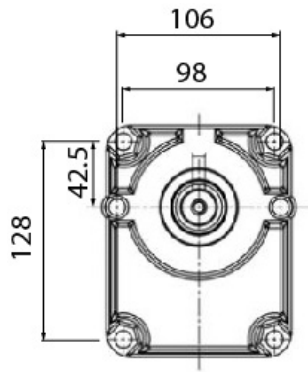


030002



No.	Description	Quantity	No.	Description	Quantity
1	Housing	1	8	End cover	1
2	Sealing ring	1	9	O-ring	1
3	Bearing	2	10	Taper shaft	1
4	Flat key	1	11	Woodruff key	1
5	Flat key shaft	1	12	Spring washers	1
6	Snap ring	2	13	Nut	1
7	O-ring	1			

THREE VIEWS



030002

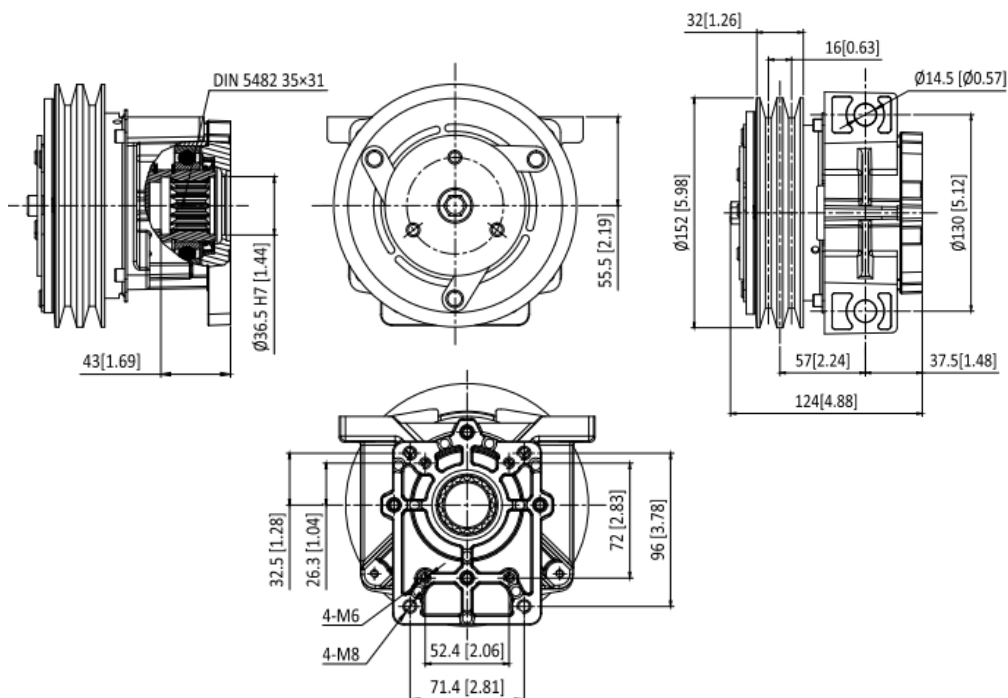
ELECTRICAL CLUTCH

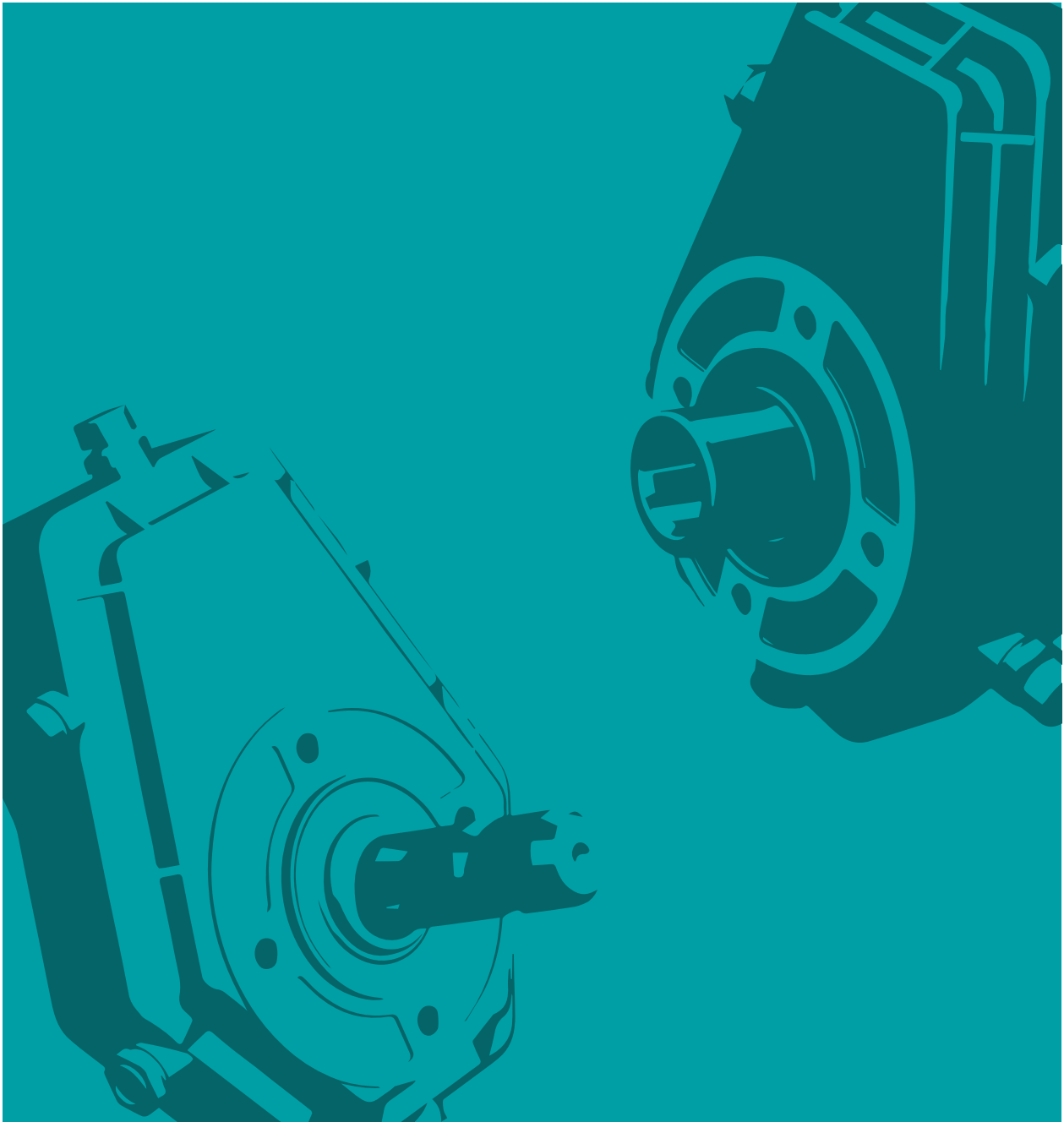


Ref.	Type	In	Electric absorption	Resistance (Ω)		Current (A)		Power (W)	
				20° C	120° C	20° C	120° C	20° C	120° C
VNKMG040002	GR1-2	GR2-1	12 V DC	4	5.6	3.33	2	40	24
VNKGM040003	GR1-2	GR2-1	24 V DC	20	28	1.26	0.77	30.3	18.18

Nominal torque	118 Nm	Conection time	25m/sec	
	Static torque		140 Nm	Disconnection time
Dynamic torque	125 Nm	Minimum time between two connection	20 sec	
	110 Nm			at 500 rpm
	110 Nm			at 1000 rpm
	82 Nm	at 1500 rpm		
	75 Nm	at 2000 rpm		
	67 Nm	Max speed	5000 rpm	
	65 Nm		at 3000 rpm	Weight

DRAWING





VINCKE

Your Hydraulic Brand

