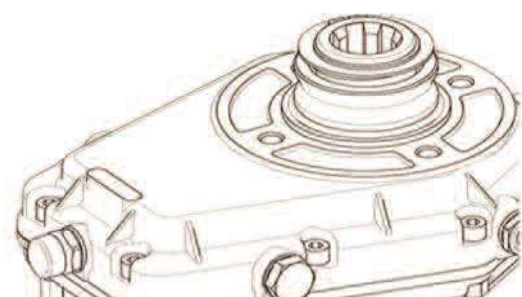


KORESON

P.T.O. Gearbox



TECHNICAL INFORMATION

PRODUCT INTRODUCE

Koreson gearboxes are designed for connecting pumps , motors , and other actuators .

- 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 precision machine 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 .

Aluminium multiplier KM600 series



KM6001



KM6002

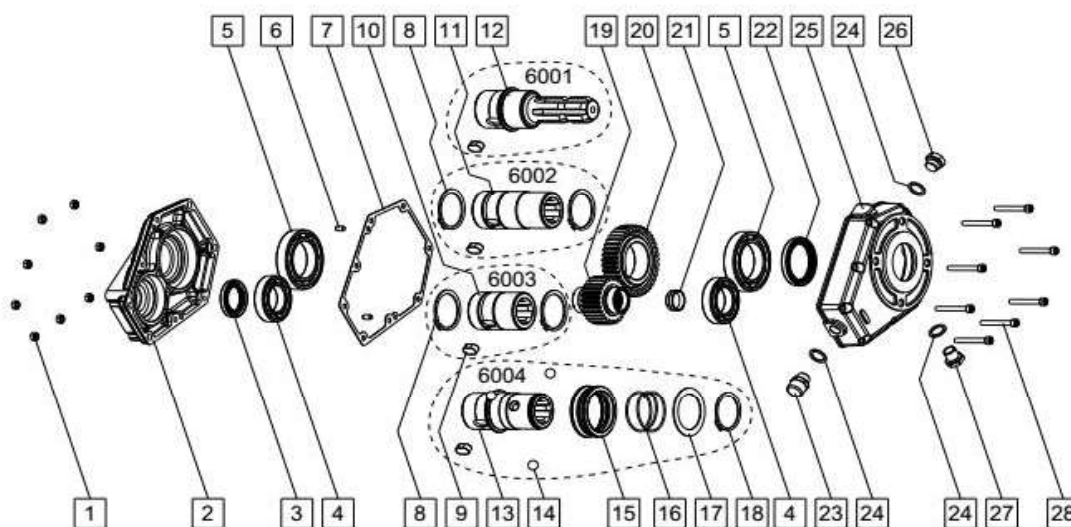


KM6003



KM6004

Spare parts:



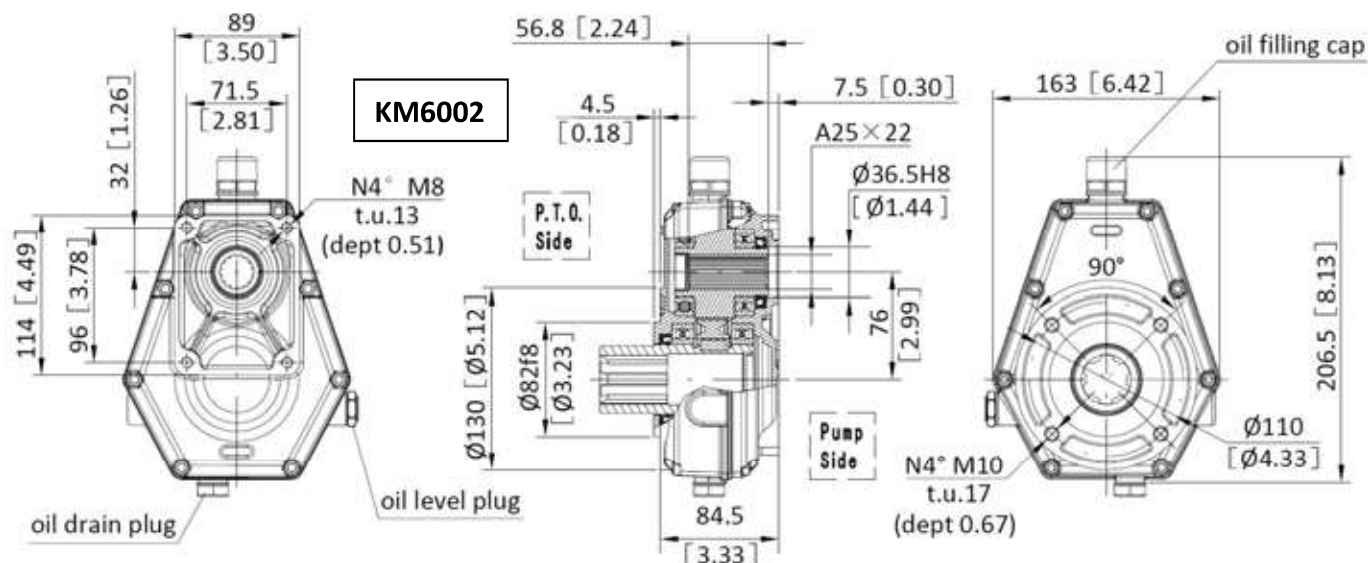
No.	Description	Quantity	No.	Description	Quantity
1	Nut M6	8	15	Spring ring	1
2	Cover	1	16	Spring	1
3	Sealing ring $\phi 35 \times 52 \times 7$	1	17	Ring	1
4	Bearing type 6007	2	18	Snap ring 48	1
5	Bearing type 6010	2	19	Pinion gear	1
6	Peg 6×12	2	20	Ring gear	1
7	Gasket	1	21	Cap DIN 470 $\phi 27$	1
8	Snap ring dia.50	2	22	Sealing ring $\phi 50 \times 65 \times 8$	1
9	Key 12×8	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	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 $\times$ 50	8

Technical sheet:

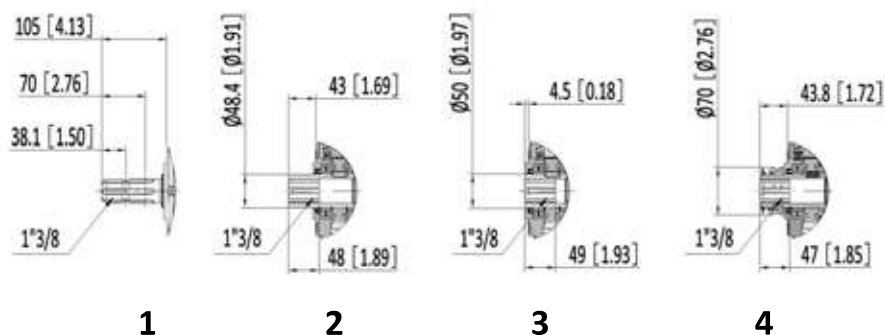
Input torque (Nm)	Output torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
178	119	540	1.5	810	10	5.8
152	76	540	2	1080	10	5.8
165	66	540	2.5	1350	10	5.8
180	55	540	3	1680	10	5.8
186	58	540	3.5	1836	10	5.8
159	42	540	3.8	2052	10	5.8

Aluminium multiplier KM600 series

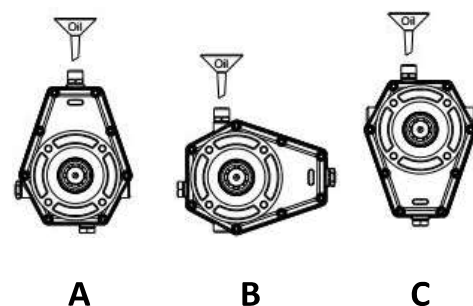
Three views:



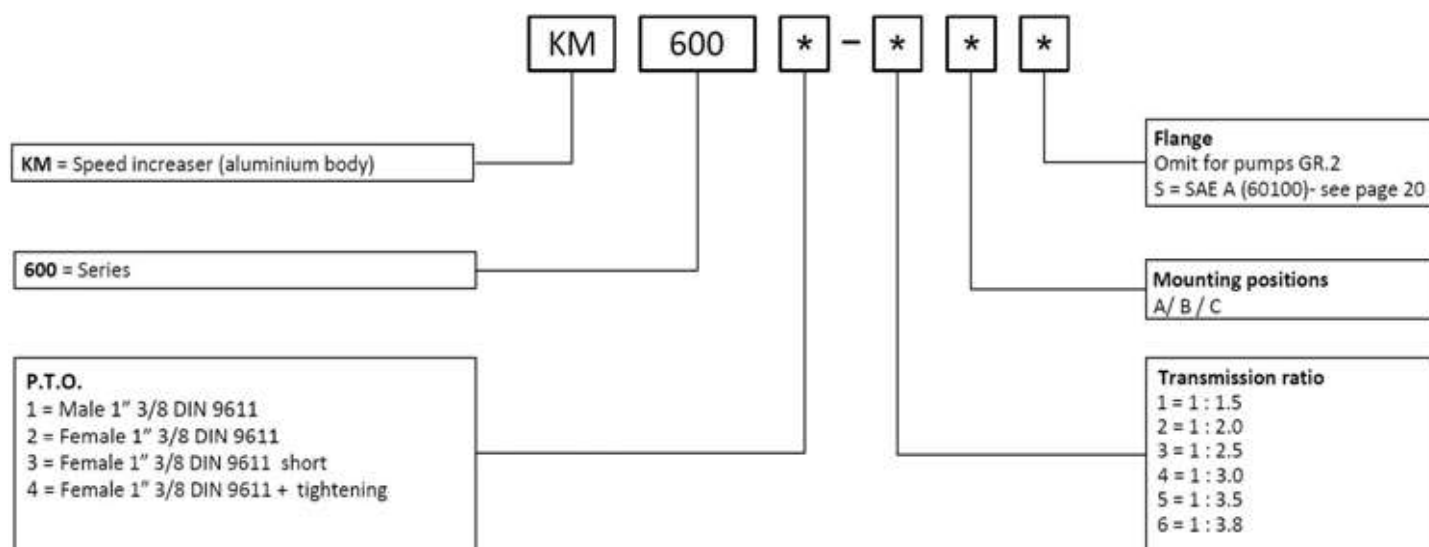
P.T.O.



Mounting positions



How to order:



For example: KM6001-1AS

Aluminium multiplier KM610 series



KM6101H0

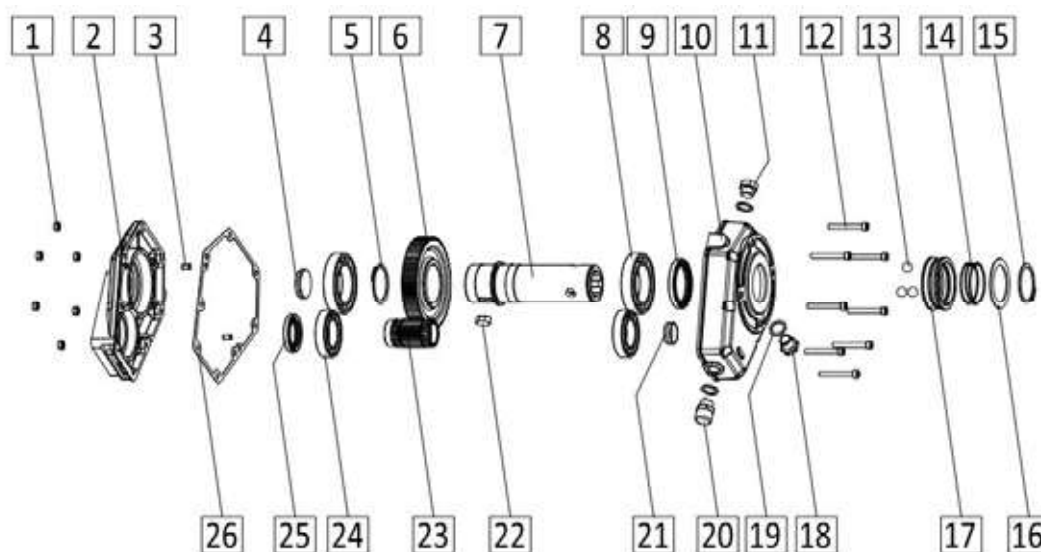


KM6105P1



KM6106H0

Spare parts:



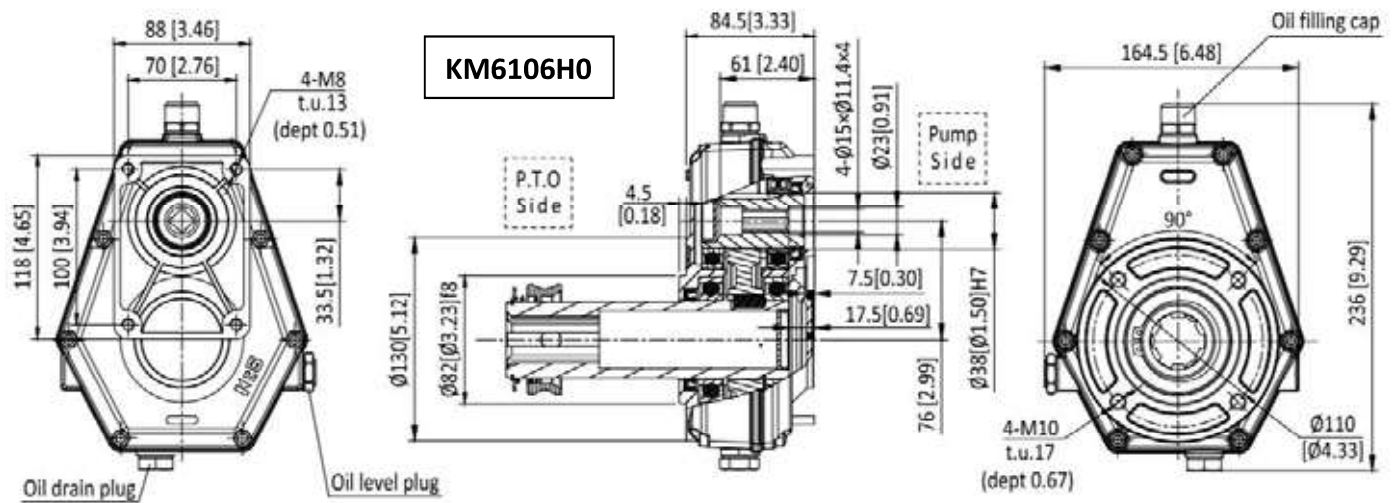
No.	Description	Quantity	No.	Description	Quantity
1	Nut M6	8	14	Spring	1
2	Cover	1	15	Snap ring	1
3	Peg 6×12	2	16	Ring	1
4	Cap DIN 470 φ37	2	17	Spring ring	1
5	Snap ring dia.50	2	18	Oil level plug 3/8"	1
6	Ring gear	2	19	Gasket	3
7	Shaft	1	20	Oil filling cap 3/8"	1
8	Bearing type 6010	2	21	Cap DIN 470 φ27	1
9	Sealing ring φ50×65×8	1	22	Key 12×8	1
10	Housing	1	23	Pinion gear	1
11	Oil drain plug 3/8"	1	24	Bearing type 6007	2
12	Socket cap screw M6×50	6	25	Sealing ring φ35×52×7	1
13	Ball	3	26	Gasket	1

Technical sheet:

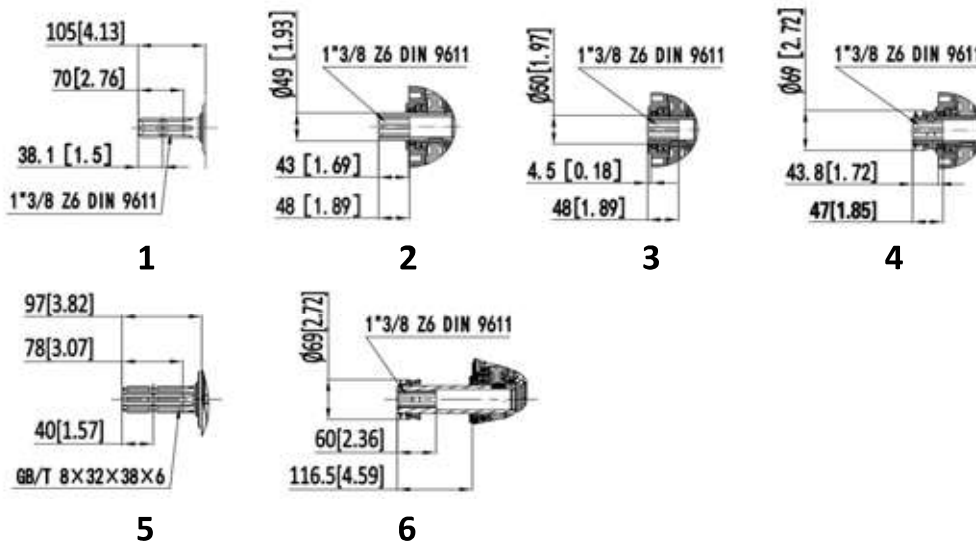
Input torque (Nm)	Output torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
178	119	540	1.5	810	10	5.8
152	76	540	2	1080	10	5.8
165	66	540	2.5	1350	10	5.8
180	55	540	3	1680	10	5.8
186	58	540	3.5	1836	10	5.8
159	42	540	3.8	2052	10	5.8

Aluminium multiplier KM610 series

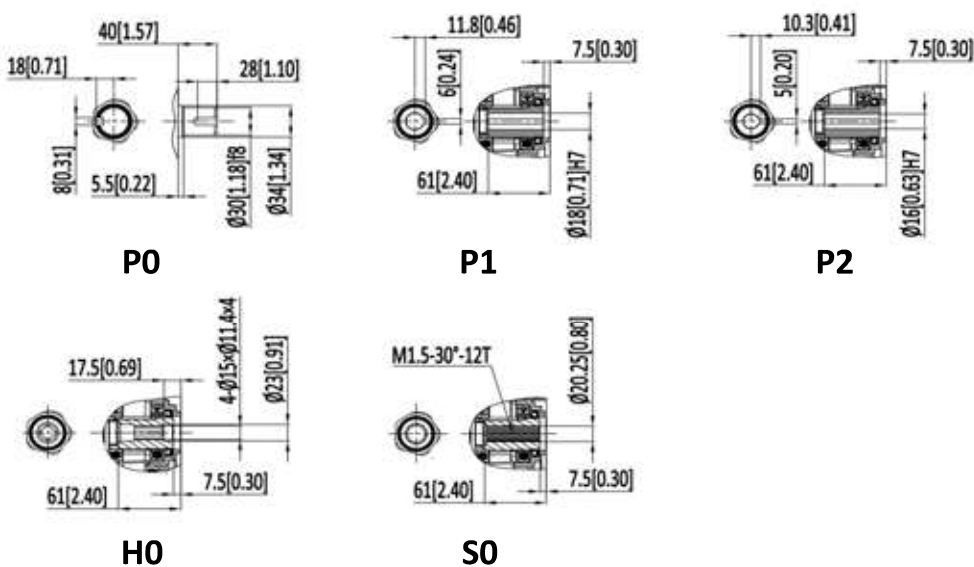
Three views:



Input shaft



Output shaft

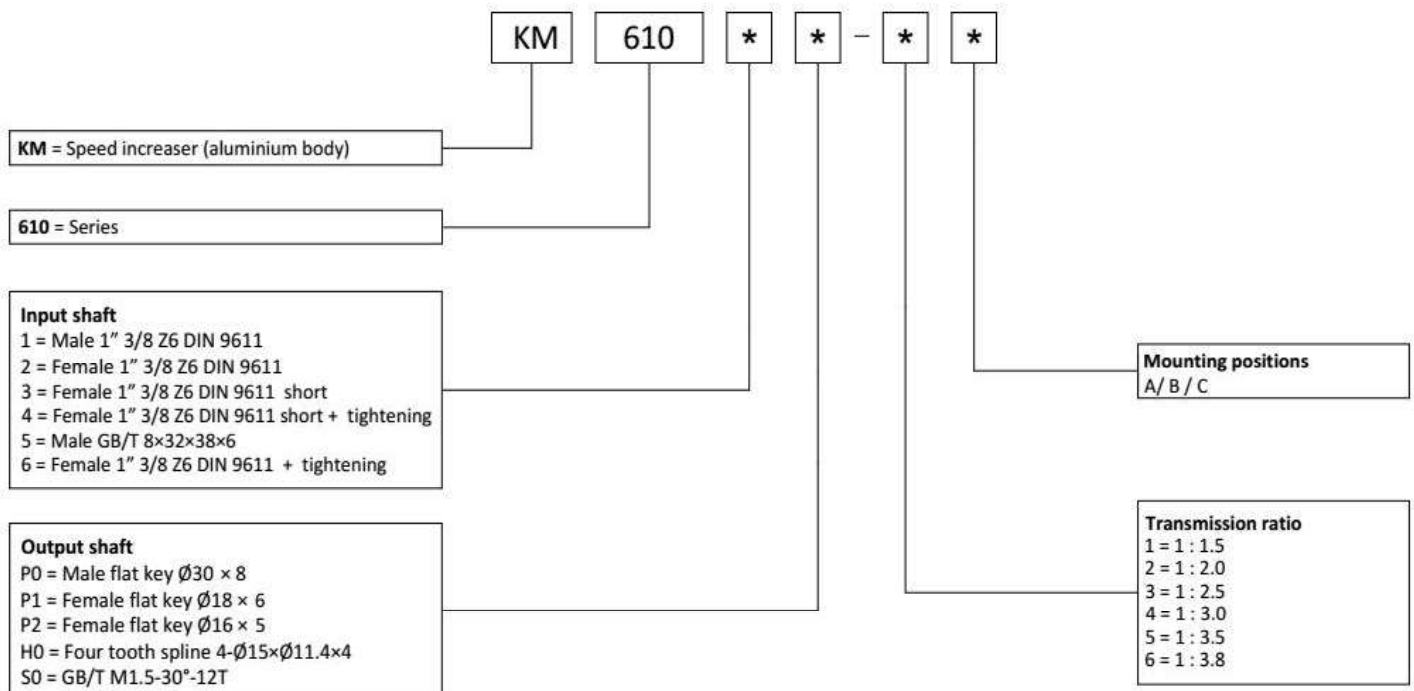


Mounting positions



Aluminium multiplier KM610 series

How to order:



For example: KM6106H0-1A

Remark : We accept non-standard customization , if you have other different shafts , please contact us .

Aluminium multiplier KM700 series



KM7001



KM7002

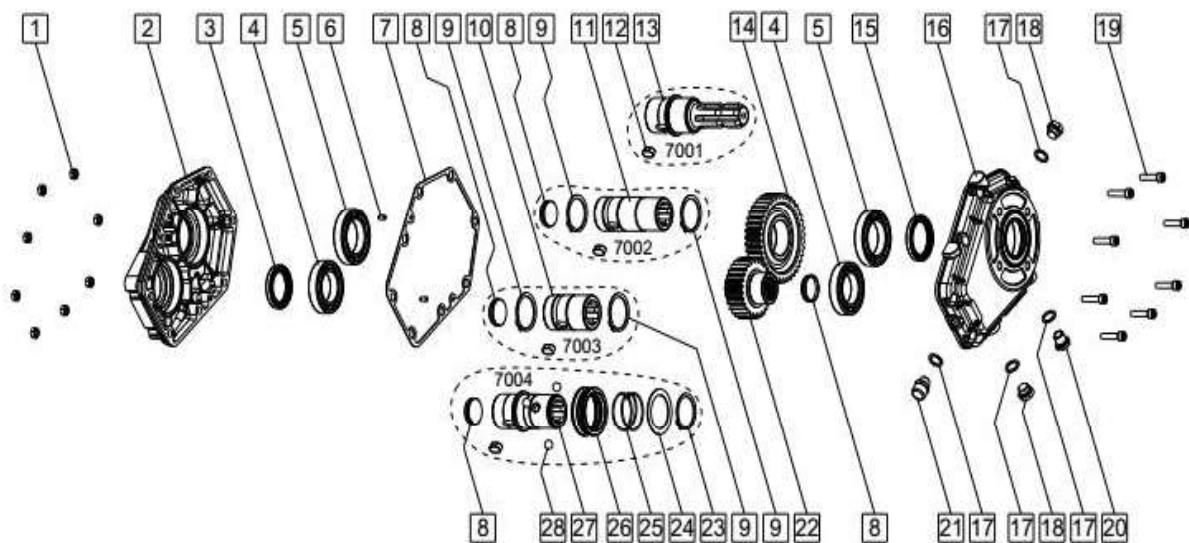


KM7003



KM7004

Spare parts:



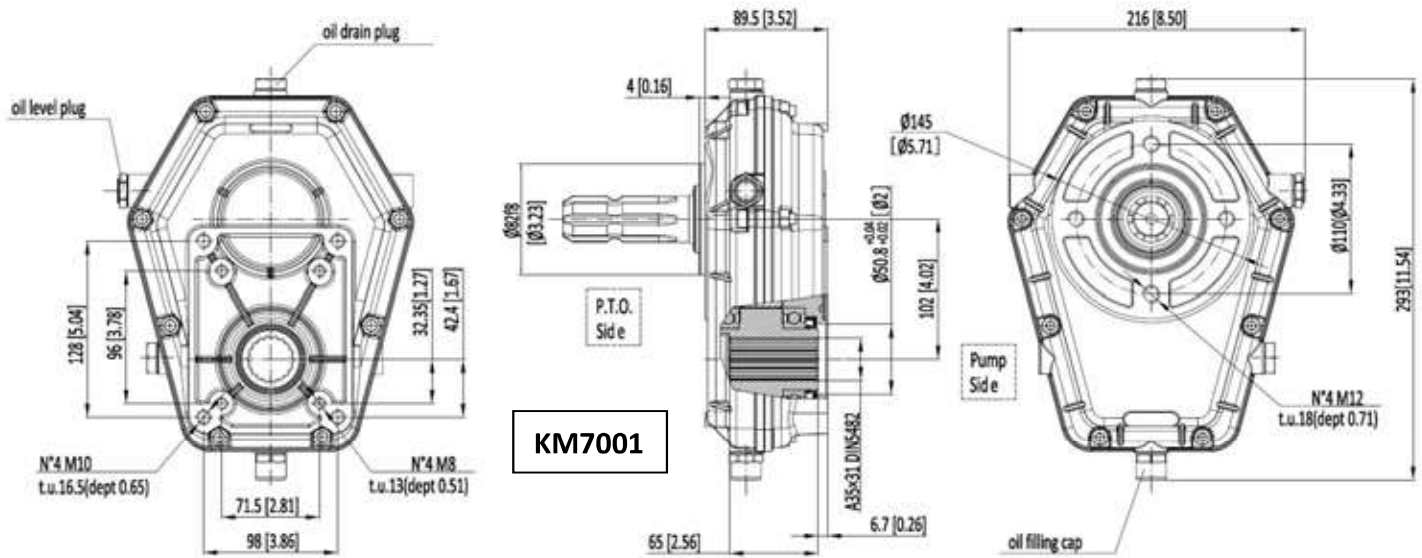
No.	Description	Quantity	No.	Description	Quantity
1	Nut M8	8	15	Sealing ring $\phi 50 \times 65 \times 8$	1
2	Cover	1	16	Housing	1
3	Sealing ring $\phi 45 \times 65 \times 8$	1	17	Gasket	4
4	Bearing type 6009	2	18	Oil drain plug 3/8"	2
5	Bearing type 6010	2	19	Socket cap screw M8 $\times$ 35	8
6	Peg 6 $\times$ 12	2	20	Oil level plug 3/8"	1
7	Gasket	1	21	Oil filling cap 3/8"	1
8	Cap DIN 470 $\phi 37$	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 $\times$ 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:

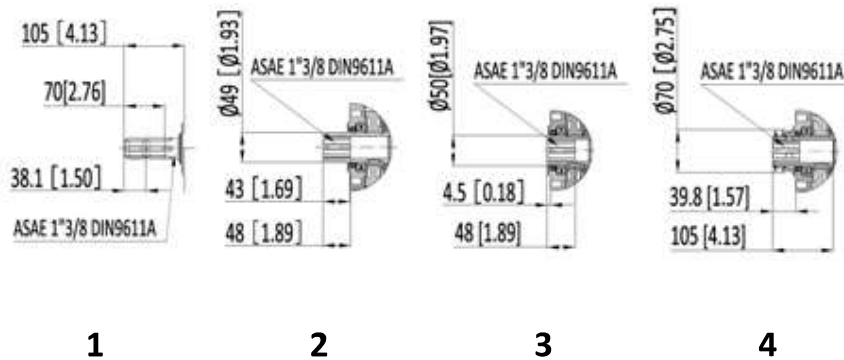
Input torque (Nm)	Output torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
380	260	540	1.5	810	20	8.3
430	210	540	2	1080	20	8.3
460	180	540	2.5	1350	20	8.3
490	160	540	3	1620	20	8.3
460	130	540	3.5	1836	20	8.3
437	115	540	3.8	2052	20	8.3

Aluminium multiplier KM700 series

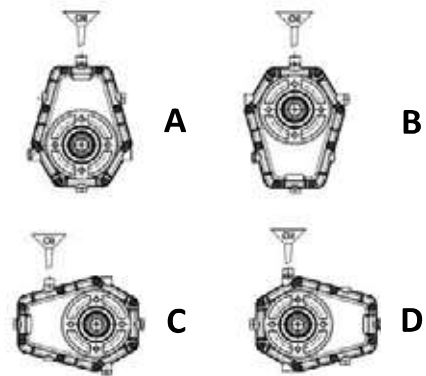
Three views:



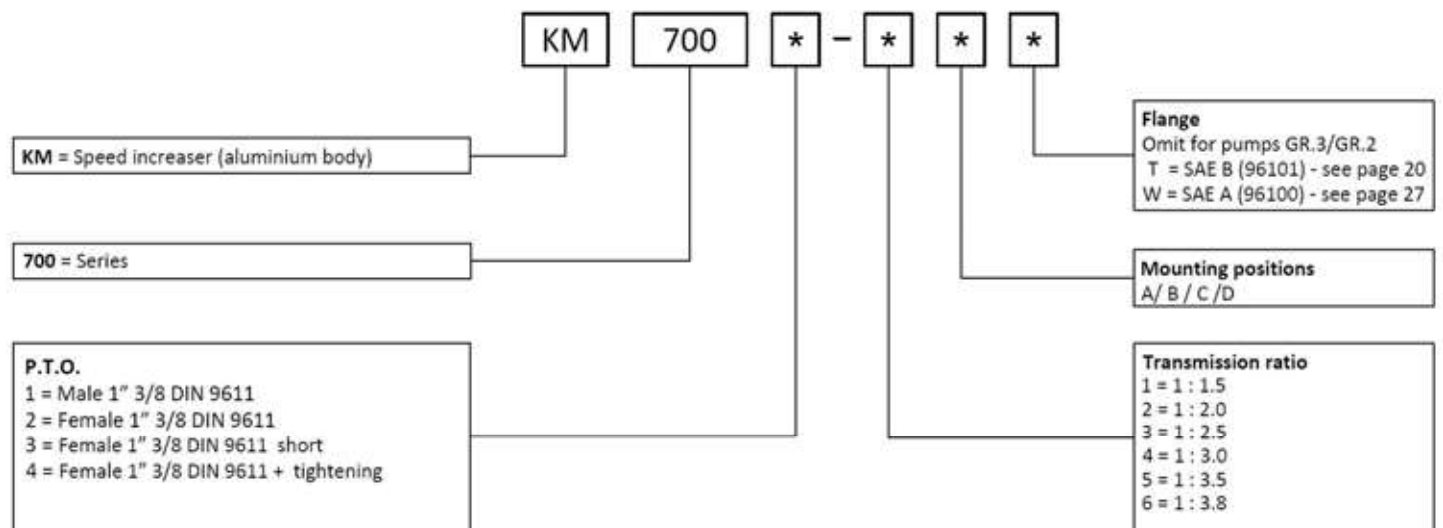
P.T.O.



Mounting positions



How to order:



For example: KM7001-1AT

Aluminium multiplier KM710 series



KM7105



KM7106

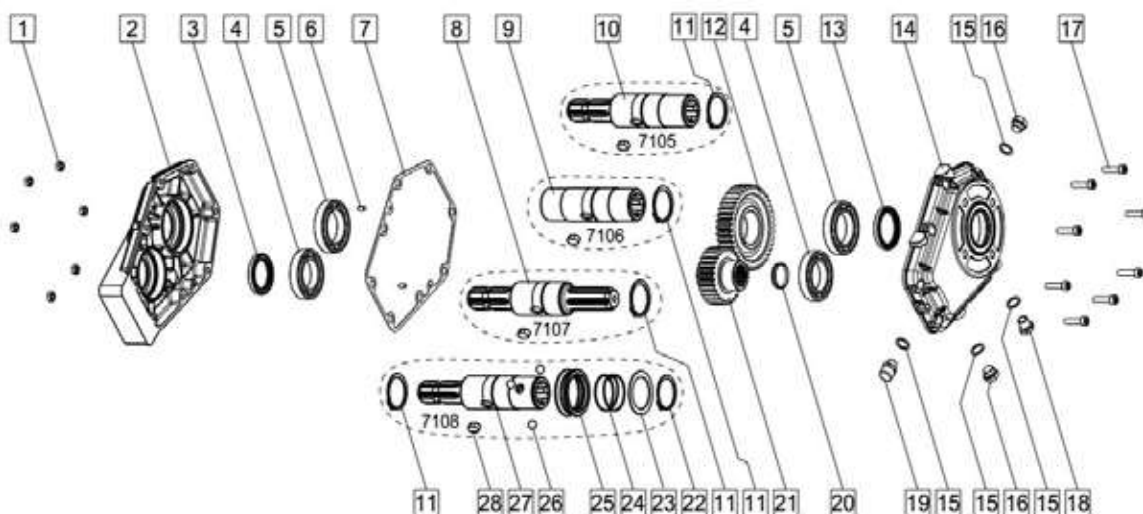


KM7107



KM7108

Spare parts:



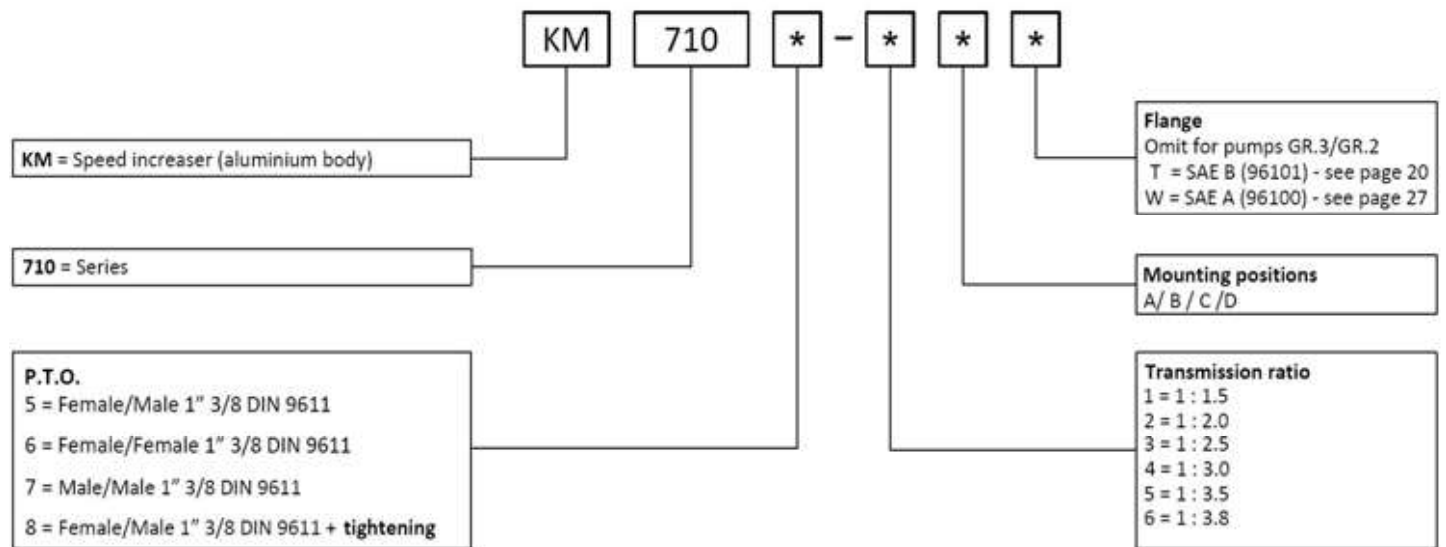
No.	Description	Quantity	No.	Description	Quantity
1	Nut M8	6	15	Gasket	4
2	Cover	1	16	Oil drain plug 3/8"	2
3	Sealing ring $\phi 45 \times 65 \times 8$	1	17	Socket cap screw M8 $\times$ 35	6
4	Bearing type 6009	2	18	Oil level plug 3/8"	1
5	Bearing type 6010	2	19	Oil filling cap 3/8"	1
6	Peg 6 $\times$ 12	2	20	Cap DIN 470 $\phi 37$	1
7	Gasket	1	21	Pinion gear	1
8	Male/male 1 3/8" DIN 9611	1	22	Snap ring UNI 7435-50	1
9	Female/female 1 3/8" DIN 9611	1	23	Ring	1
10	Female/male 1 3/8" DIN 9611	1	24	Spring	1
11	Snap ring dia.50	1	25	Spring ring	1
12	Ring gear	1	26	Ball	3
13	Sealing ring $\phi 50 \times 65 \times 8$	1	27	Female/male 1 3/8" DIN 9611 + tightening	1
14	Housing	1	28	Key 12 $\times$ 25	1

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	9.7
430	210	540	2	1080	20	9.7
460	180	540	2.5	1350	20	9.7
490	160	540	3	1620	20	9.7
460	130	540	3.5	1836	20	9.7
437	115	540	3.8	2052	20	9.7

Aluminium multiplier KM710 series

How to order:



For example: KM7105-1AT

Aluminium multiplier KM710 series



KM7109

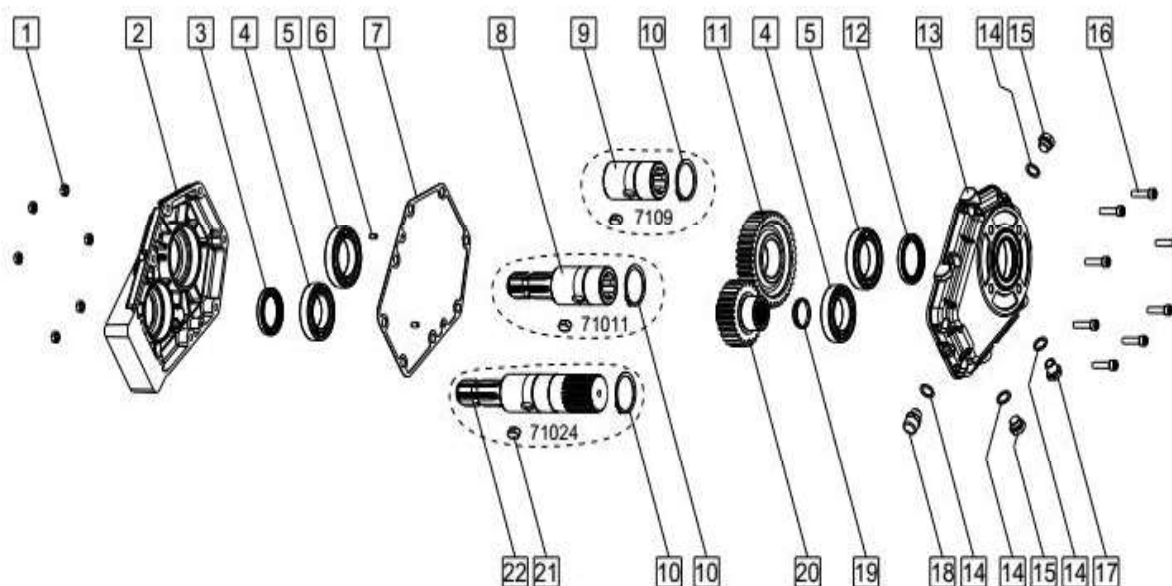


KM71011



KM71024

Spare parts:



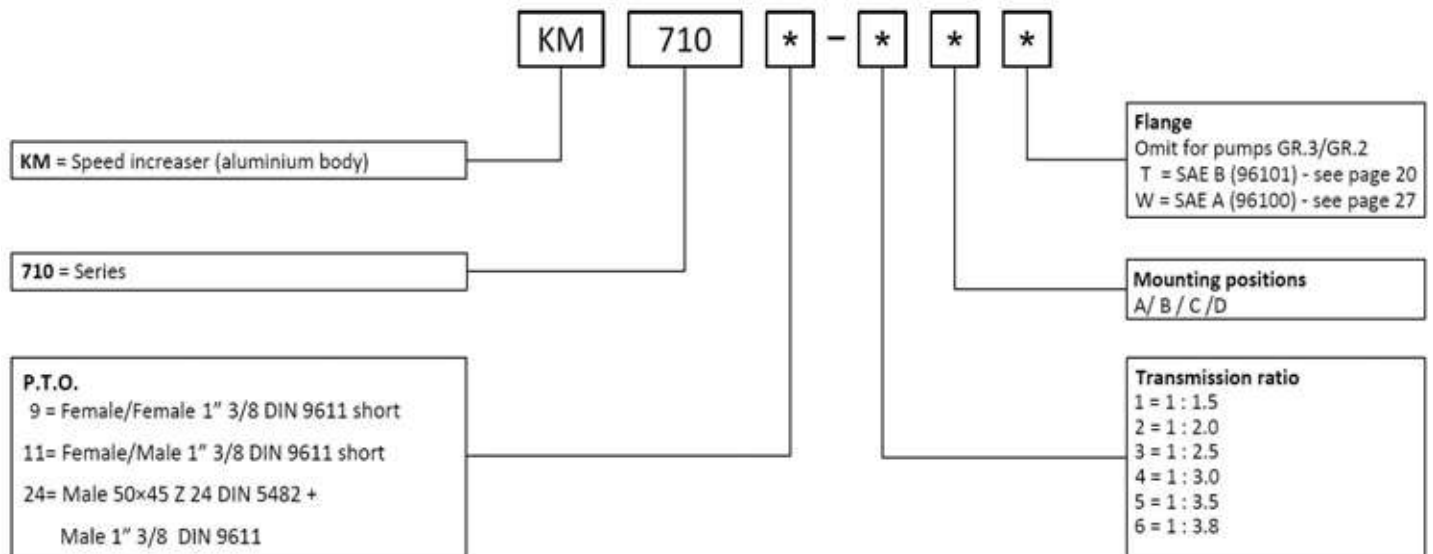
No.	Description	Quantity	No.	Description	Quantity
1	Nut M8	6	12	Sealing ring $\phi 50 \times 65 \times 8$	1
2	Cover	1	13	Housing	1
3	Sealing ring $\phi 45 \times 65 \times 8$	1	14	Gasket	4
4	Bearing type 6009	2	15	Oil drain plug 3/8"	2
5	Bearing type 6010	2	16	Socket cap screw M8 $\times$ 35	6
6	Peg 6 $\times$ 12	2	17	Oil level plug 3/8"	1
7	Gasket	1	18	Oil filling cap 3/8"	1
8	Female/female 1 3/8" DIN 9611 short	1	19	Cap DIN 470 $\phi 37$	1
9	Female/male 1 3/8" DIN 9611 short	1	20	Pinion gear	1
10	Snap ring dia.50	1	21	Key 12 $\times$ 25	1
11	Ring gear	1	22	Male 50 $\times$ 45 Z24 DIN 5482 + male 1 3/8" DIN 9611	1

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	9.7
430	210	540	2	1080	20	9.7
460	180	540	2.5	1350	20	9.7
490	160	540	3	1620	20	9.7
460	130	540	3.5	1836	20	9.7
437	115	540	3.8	2052	20	9.7

Aluminium multiplier KM710 series

How to order:



For example: KM71024-1AT

Cast-iron multiplier KMT700 series



KMT7001



KMT7002

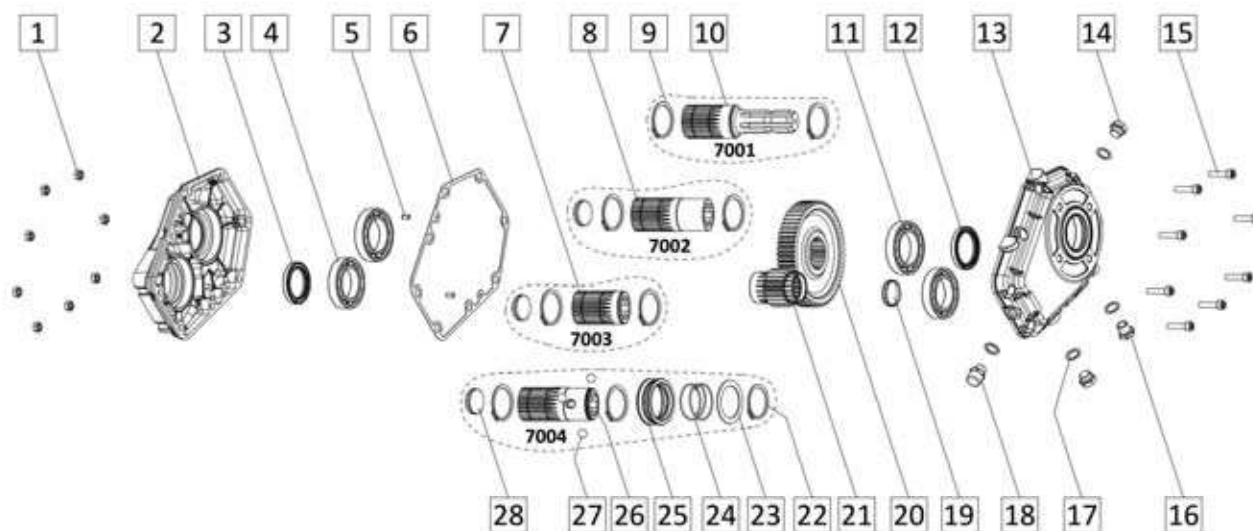


KMT7003



KMT7004

Spare parts:



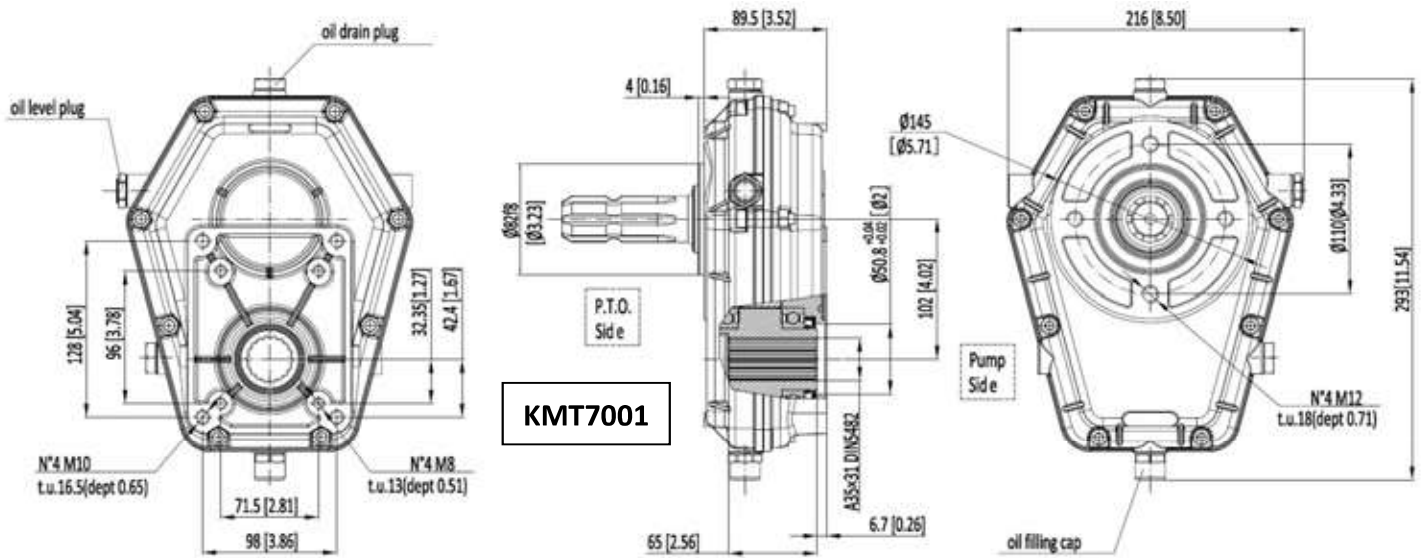
No.	Description	Quantity	No.	Description	Quantity
1	Nut M8	8	15	Socket cap screw M8 × 35	8
2	Cover	1	16	Oil level plug 3/8"	1
3	Sealing ring $\phi 45 \times 65 \times 8$	1	17	Gasket	4
4	Bearing type 6009	2	18	Oil filling cap 3/8"	2
5	Peg 6 × 12	2	19	Cap DIN 470 $\phi 37$	1
6	Gasket	1	20	Ring gear	1
7	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 $\phi 50 \times 65 \times 8$	1	26	Female 1 3/8" DIN 9611 + tightening	1
13	Housing	1	27	Ball	3
14	Oil drain plug 3/8"	2	28	Cap din	1

Technical sheet:

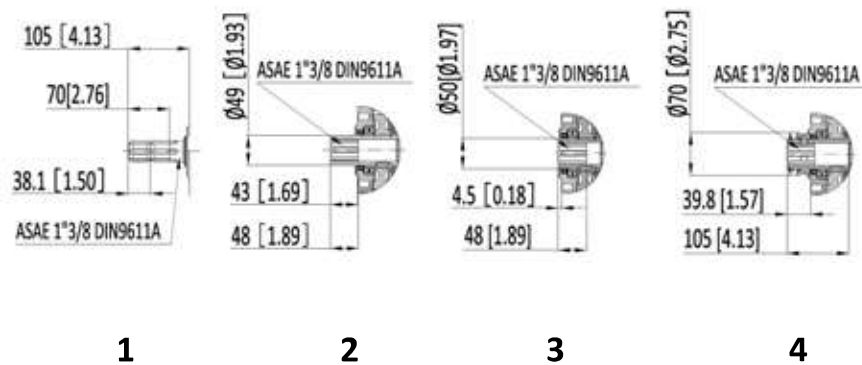
Input torque (Nm)	Output torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
660	440	540	1.5	810	37	16
660	330	540	2	1080	37	16
660	264	540	2.5	1350	37	16
660	220	540	3	1620	37	16
660	180	540	3.5	1836	37	16
660	166	540	3.8	2052	37	16

Cast-iron multiplier KMT700 series

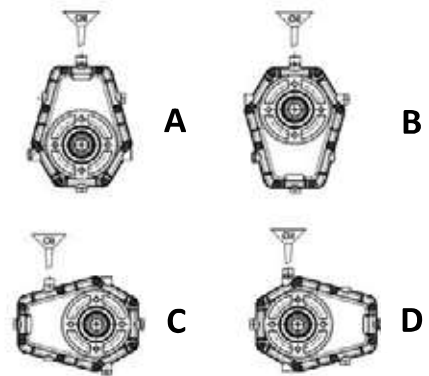
Three views:



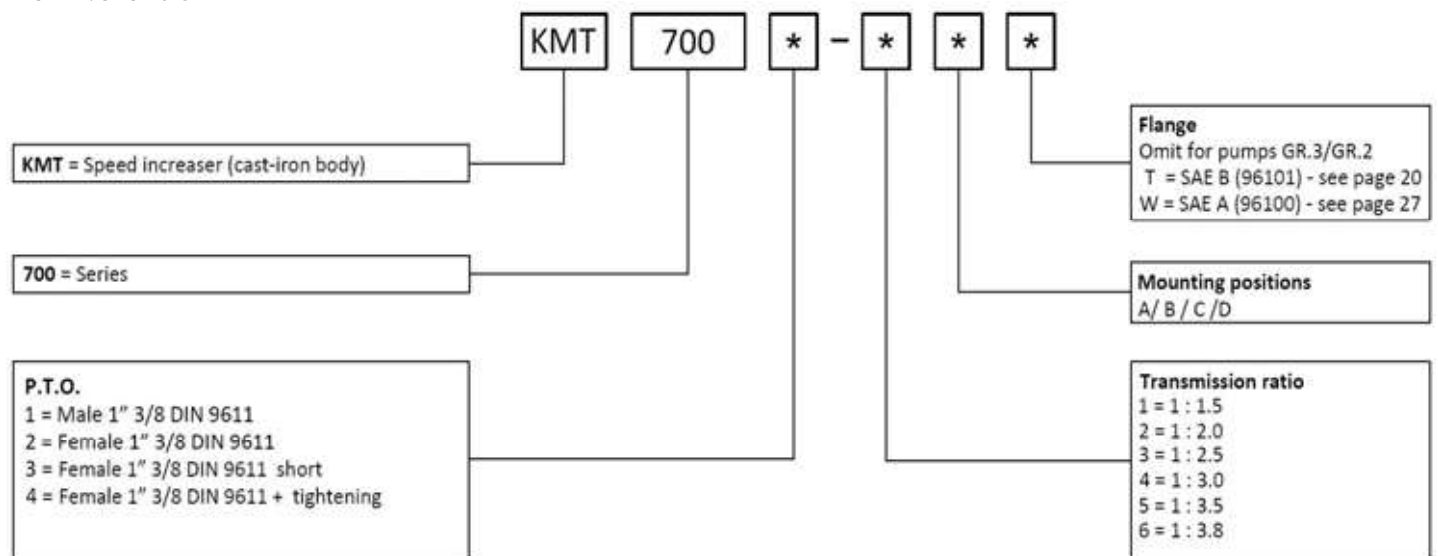
P.T.O.



Mounting positions



How to order:



For example: KMT7001-1AT

Cast-iron multiplier KMT720 series



KMT7201



KMT7202

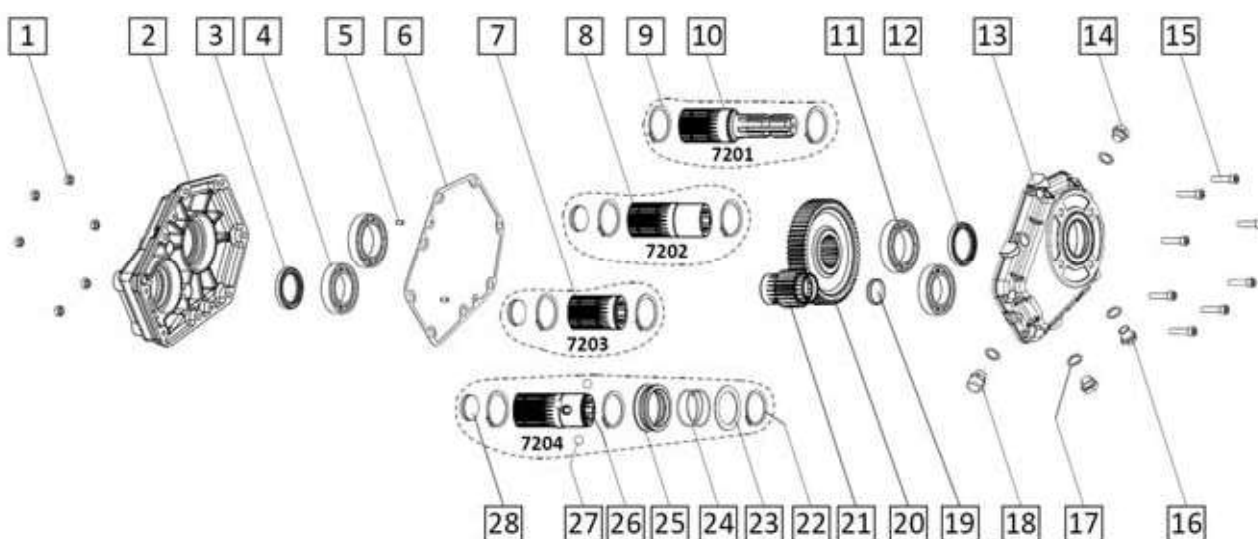


KMT7203



KMT7204

Spare parts:



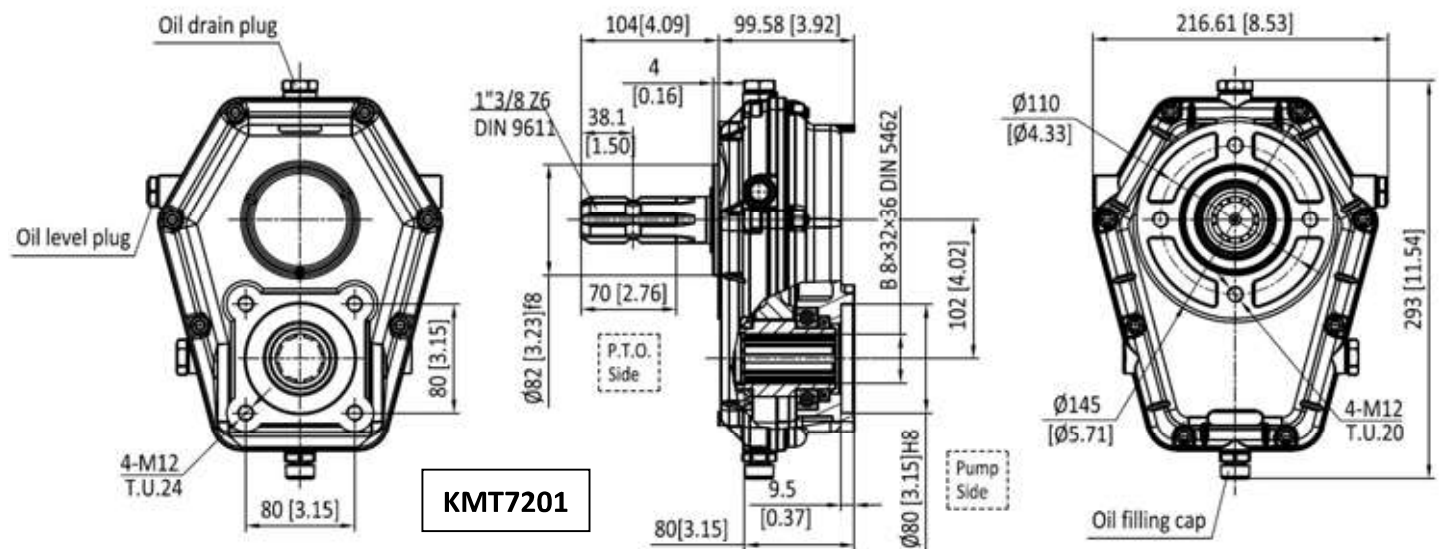
No.	Description	Quantity	No.	Description	Quantity
1	Nut M8	6	15	Socket cap screw M8	8
2	Cover	1	16	Oil level plug 3/8"	1
3	Sealing ring $\phi 45 \times 65 \times 8$	1	17	Gasket	4
4	Bearing type 6009	2	18	Oil filling cap 3/8"	2
5	Peg 6×12	2	19	Cap DIN 470 $\phi 37$	1
6	Gasket	1	20	Ring gear	1
7	Female 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 $\phi 50 \times 65 \times 8$	1	26	Female 1 3/8" DIN 9611 + tightening	1
13	Housing	1	27	Ball	3
14	Oil drain plug 3/8"	2	28	Cap din	1

Technical sheet:

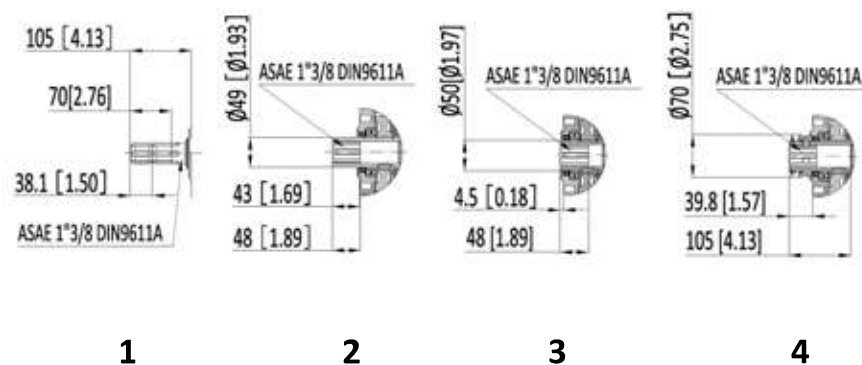
Input torque (Nm)	Output torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
660	440	540	1.5	810	37	16
660	330	540	2	1080	37	16
660	264	540	2.5	1350	37	16
660	220	540	3	1620	37	16
660	180	540	3.5	1836	37	16
660	166	540	3.8	2052	37	16

Cast-iron multiplier KMT720 series

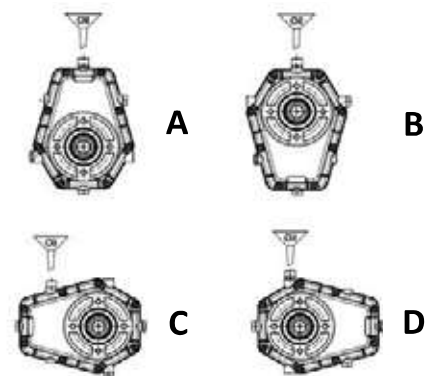
Three views:



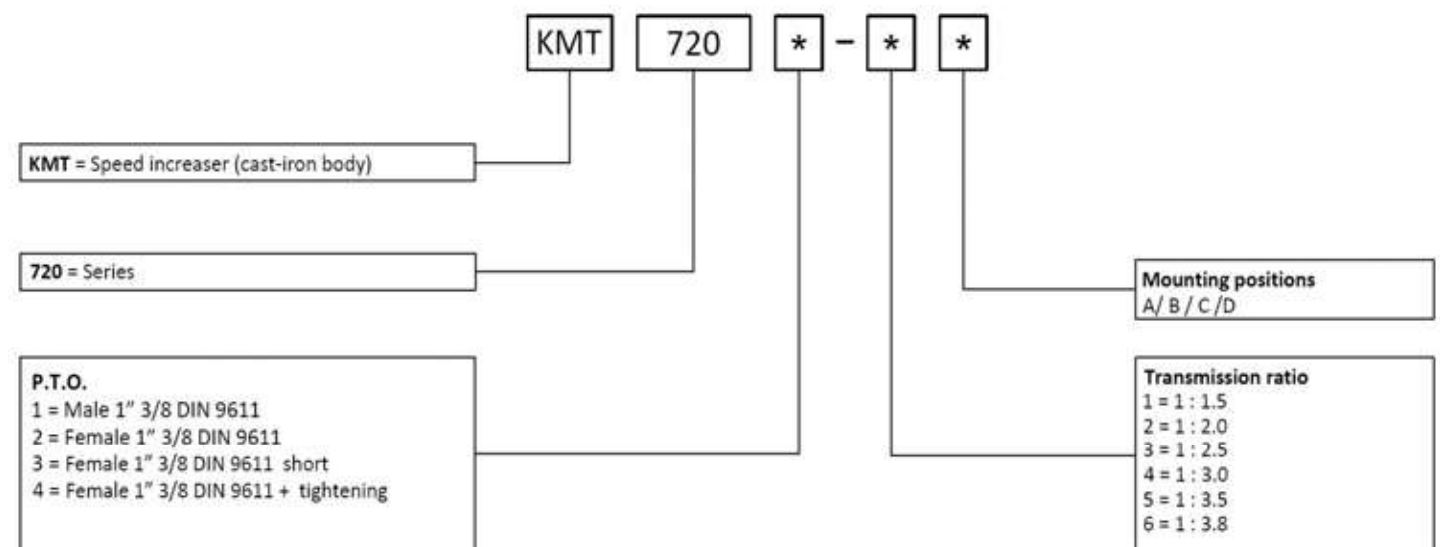
P.T.O.



Mounting positions



How to order:



For example: KMT7201-1AT

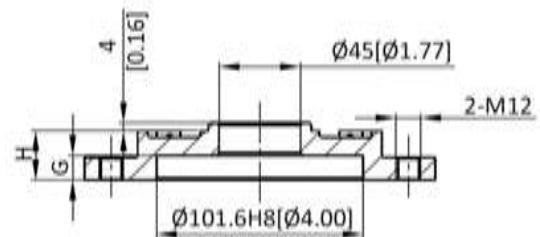
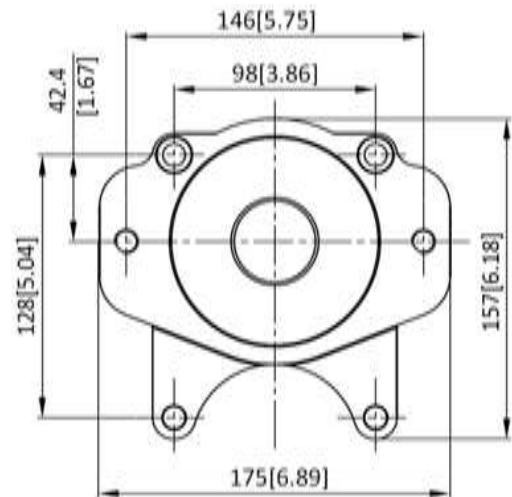
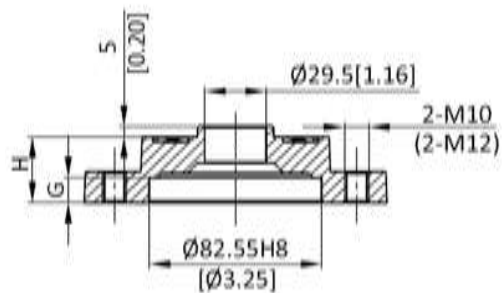
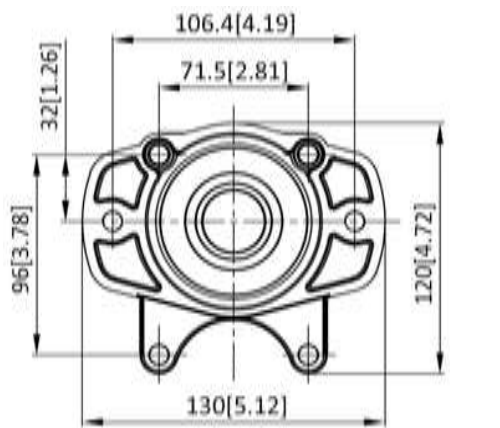
Multiplier flanges



60100



96101



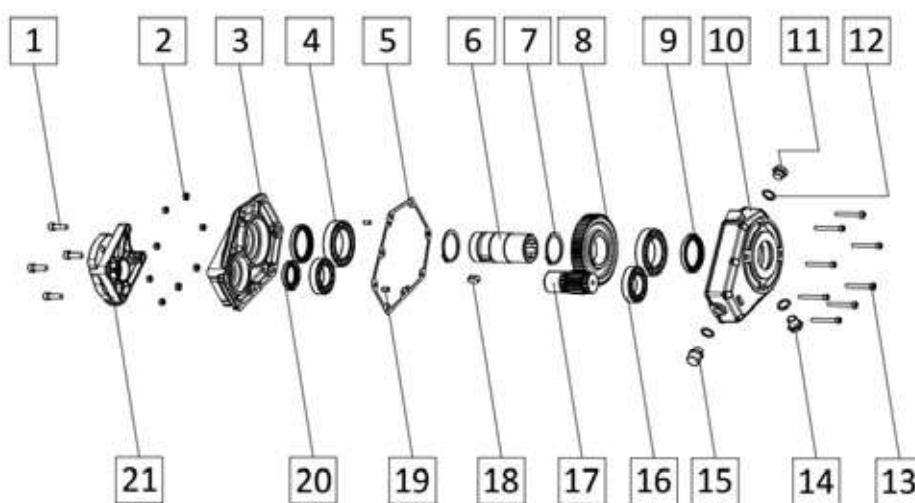
	SAE A Gr.2	SAE B Gr.3
Code	60100	96101
G	12	12
H	32	25

Aluminium reducer KR600 series



KR60016

Spare parts:



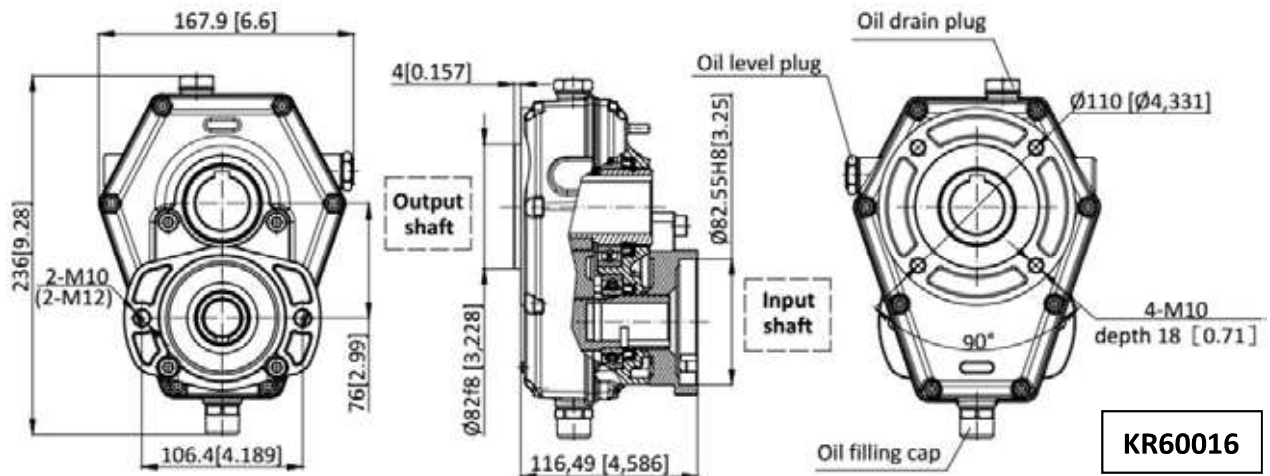
No.	Description	Quantity	No.	Description	Quantity
1	Screw M8×20	4	12	Gasket	3
2	Nut M8	8	13	Socket cap screw M8×35	8
3	Cover	1	14	Oil level plug 3/8"	1
4	Bearing type 6010	2	15	Oil filling cap 3/8"	1
5	Gasket	1	16	Bearing type 6007	2
6	Hollow shaft $\phi 35$	1	17	Pinion gear	1
7	Snap ring $\phi 50$	2	18	Key 12×8	1
8	Ring gear	1	19	Peg 6×12	2
9	Sealing ring $\phi 50 \times 65 \times 8$	2	20	Sealing ring $\phi 35 \times 52 \times 7$	1
10	Housing	1	21	Flange	1
11	Oil drain plug 3/8"	1			

Technical sheet:

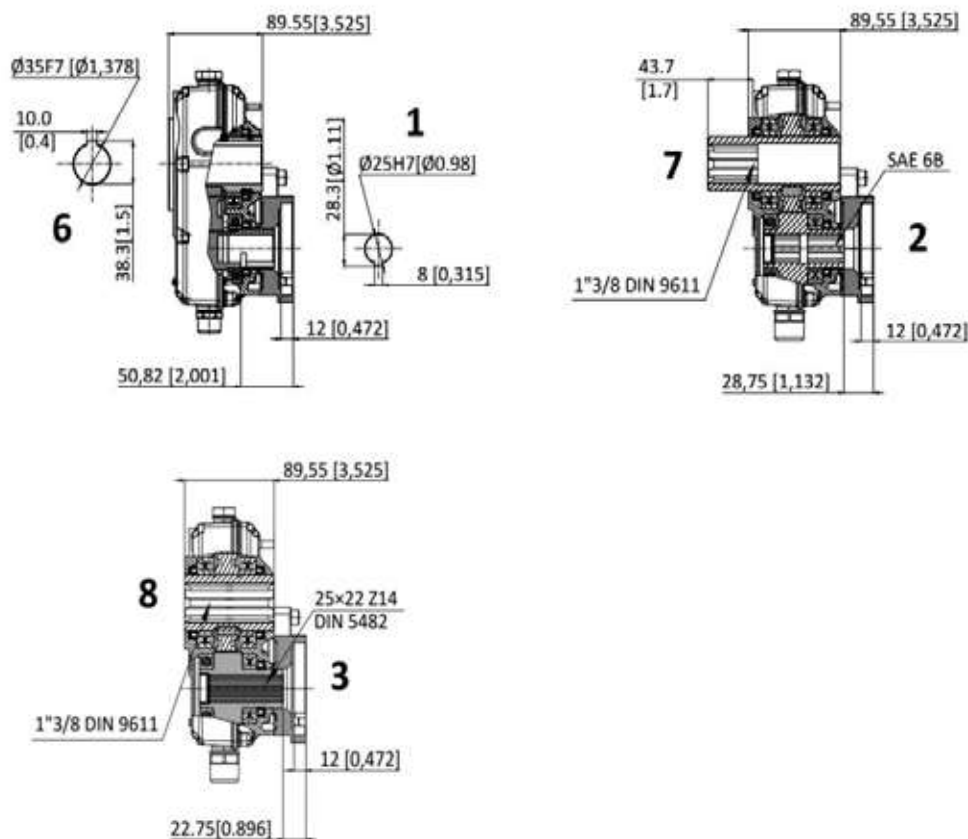
Output torque (Nm)	Input torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
196	130	300	1.5	200	10	6
176	88	400	2	200	10	6
192	77	500	2.5	200	10	6
200	67	600	3	200	10	6
214	63	700	3.5	200	10	6
186	49	760	3.8	200	10	6

Aluminium reducer KR600 series

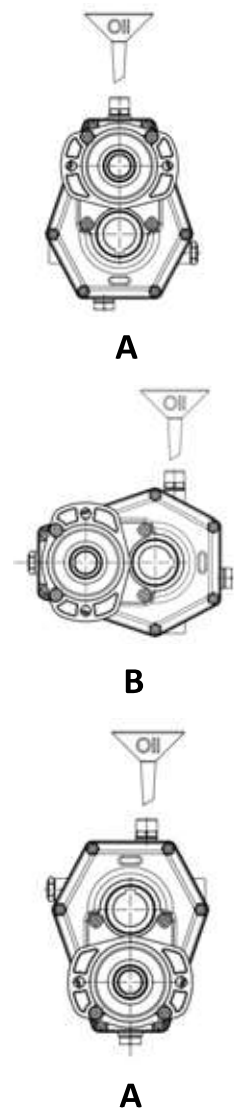
Three views:



Shaft

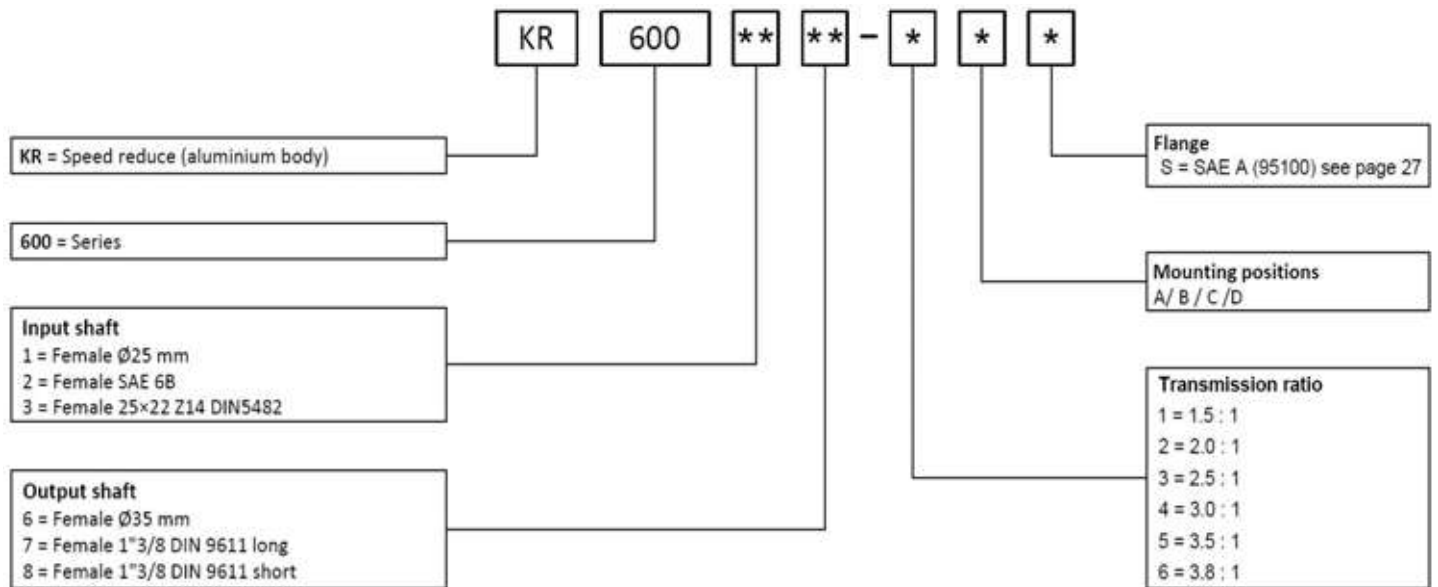


Mounting positions



Aluminium reducer KR600 series

How to order:



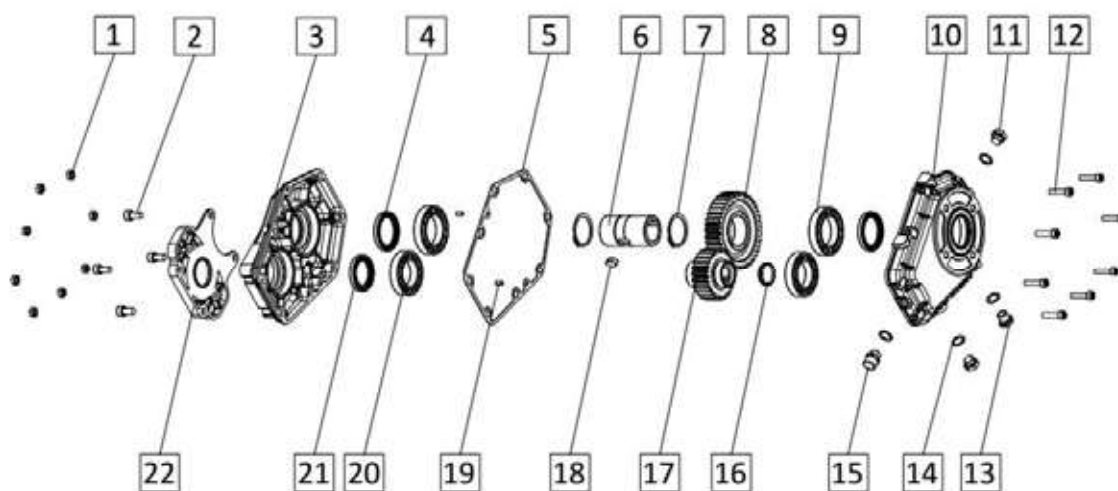
For example: KR60016-1AS

Aluminium reducer KR700 series



KR70016

Spare parts:



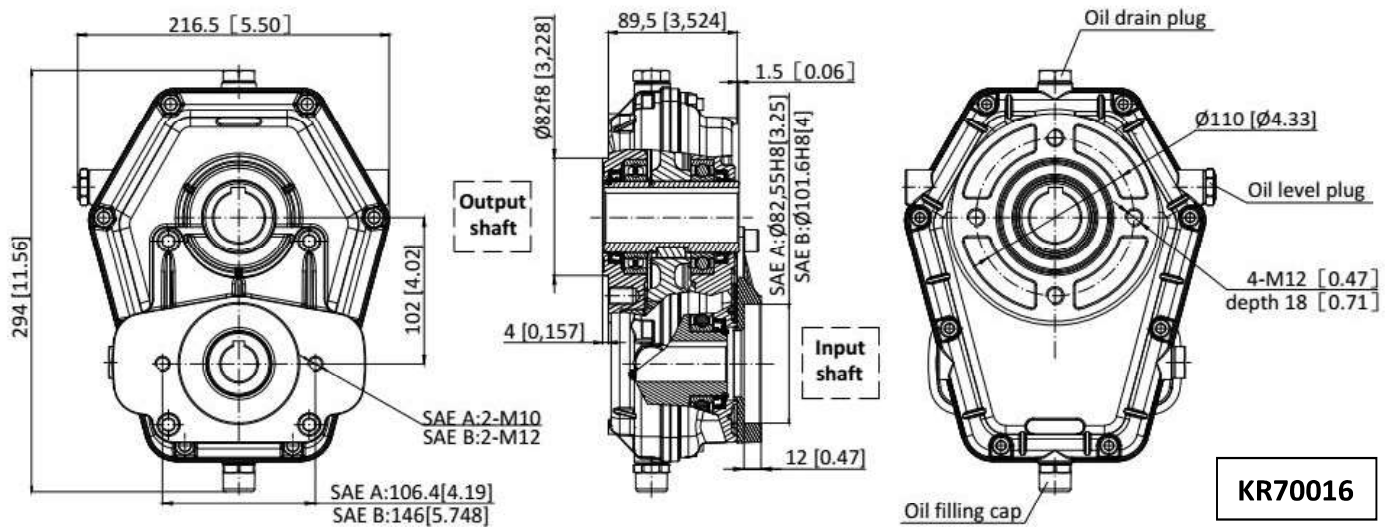
No.	Description	Quantity	No.	Description	Quantity
1	Nut M8	8	12	Socket cap screw M8 × 70	8
2	Screw M8×20	4	13	Oil level plug 3/8"	1
3	Cover	1	14	Gasket	4
4	Sealing ring $\phi 50 \times 65 \times 8$	2	15	Oil filling cap 3/8"	1
5	Gasket	1	16	Cap din 470 $\phi 37$	1
6	Hollow shaft $\phi 35$	1	17	Pinion gear	1
7	Snap ring $\phi 50$	2	18	Key 12 × 25	1
8	Ring gear	1	19	Peg 6 × 12	2
9	Bearing type 6010	2	20	Bearing type 6009	2
10	Housing	1	21	Sealing ring $\phi 45 \times 65 \times 8$	1
11	Oil drain plug 3/8"	1	22	Flange	1

Technical sheet:

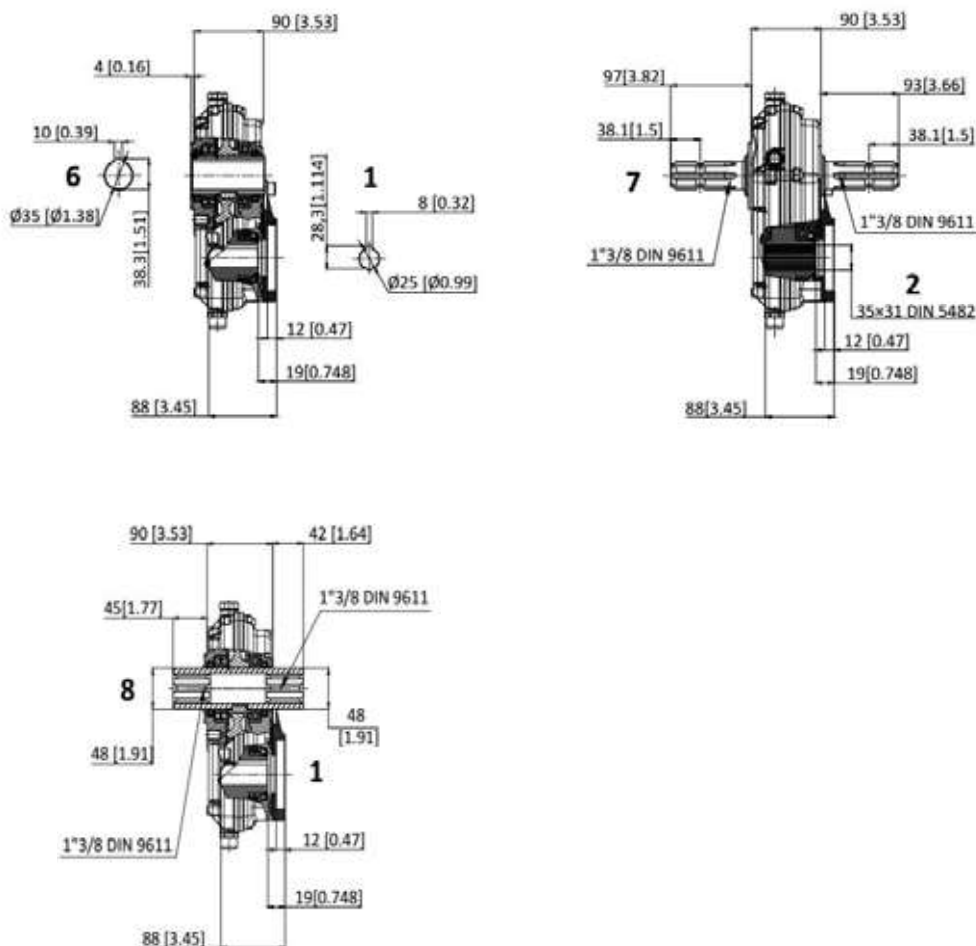
Output torque (Nm)	Input torque (Nm)	Input speed (r/min)	Transmission ratio	Output speed (r/min)	Power (Kw)	Weight (Kg)
480	320	300	1.5	200	20	8.7
485	240	400	2	200	20	8.7
520	210	500	2.5	200	20	8.7
570	190	600	3	200	20	8.7
530	150	700	3.5	200	20	8.7
525	140	760	3.8	200	20	8.7

Aluminium reducer KR700 series

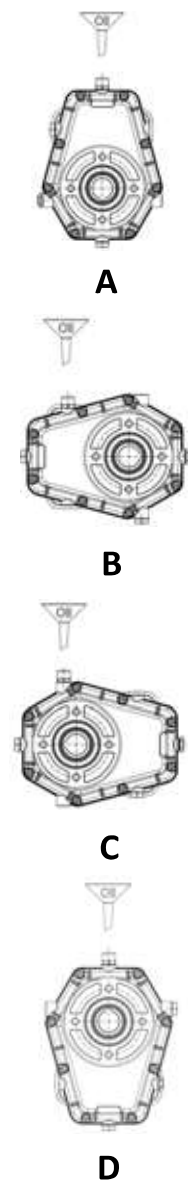
Three views:



Shaft

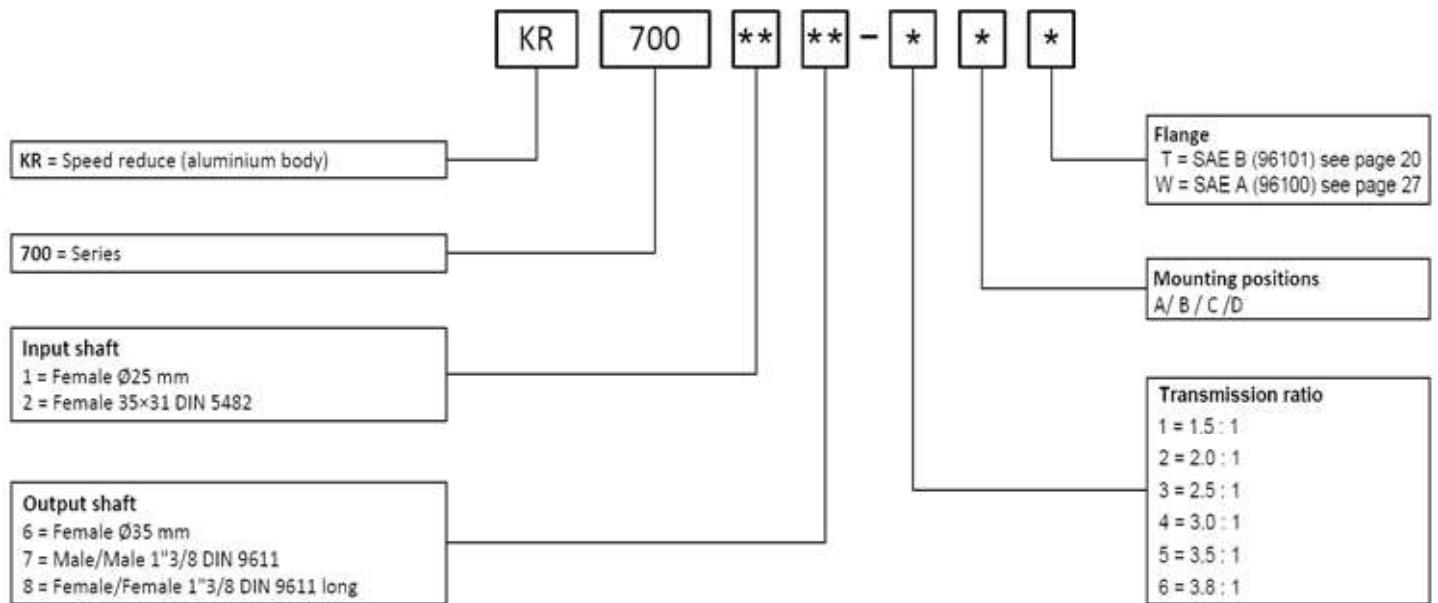


Mounting positions



Aluminium reducer KR700 series

How to order:



For example: KR70016-1AT

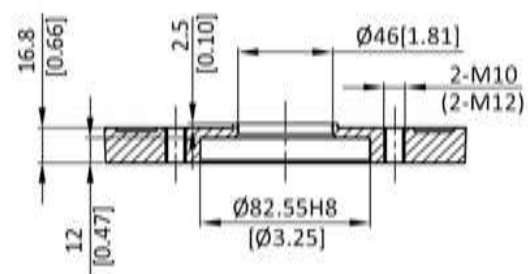
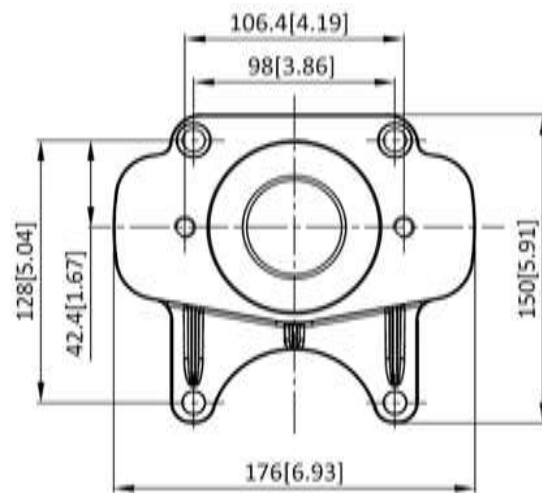
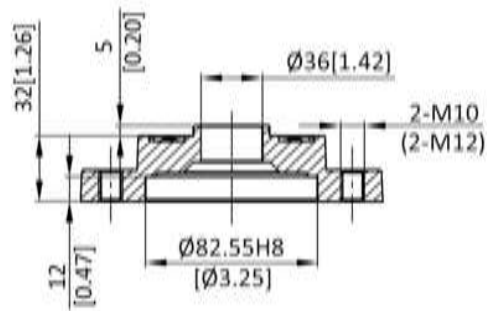
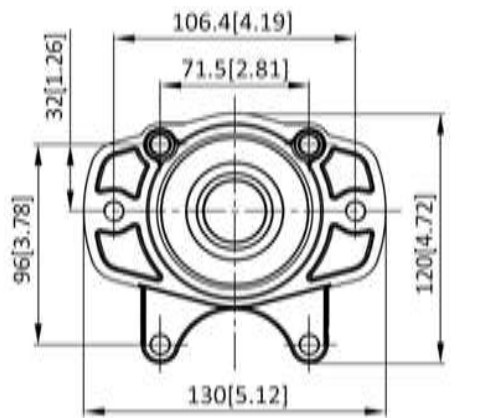
Reducer flanges



95100



96100



Code	95100	96100
Application	SAE A for 600 series gear box and Gr.2	SAE A for 700/710 series gear box and Gr.2