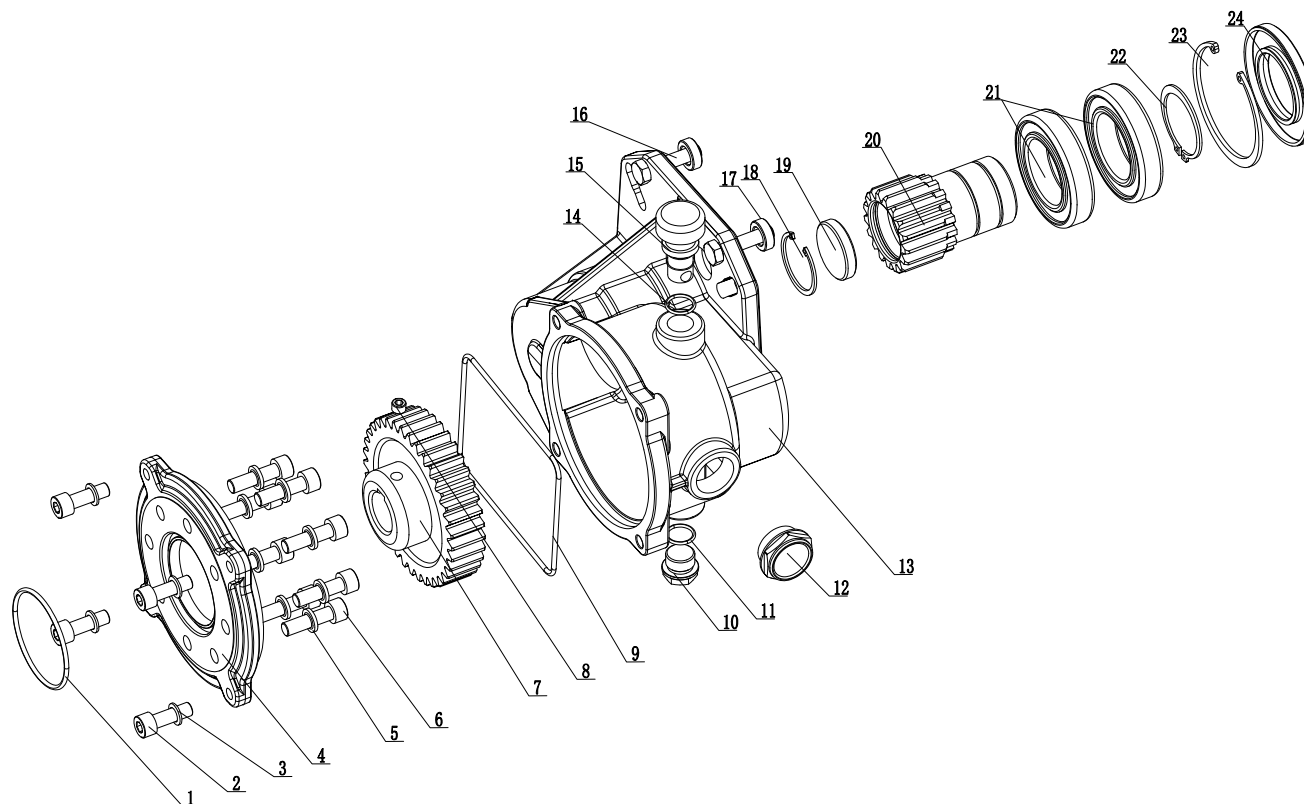


REDUCTION GEARBOX

EXPLODED VIEW & PARTS LIST



Exploded assembly drawing · call-out numbers 1–24 correspond to the parts list →

TECHNICAL SPECIFICATIONS · F18 / F31 SERIES

MODEL	INPUT SHAFT	OUTPUT SHAFT	WEIGHT	REDUCTION	POWER
F18	25 mm (0.984 in)	24 mm (0.945 in)	3950 g (8.7 lb)	2.176:1	8–15 kW / 11–22 HP
F18	25.4 mm (1 in)	24 mm (0.945 in)	3950 g (8.7 lb)	2.176:1	8–15 kW / 11–22 HP
F31	28.6 mm (1.125 in)	24 mm (0.945 in)	3950 g (8.7 lb)	2.176:1	16–26 kW / 22–35 HP
F31	28.6 mm (1.125 in)	30 mm (1.181 in)	3950 g (8.7 lb)	2.176:1	16–26 kW / 22–35 HP

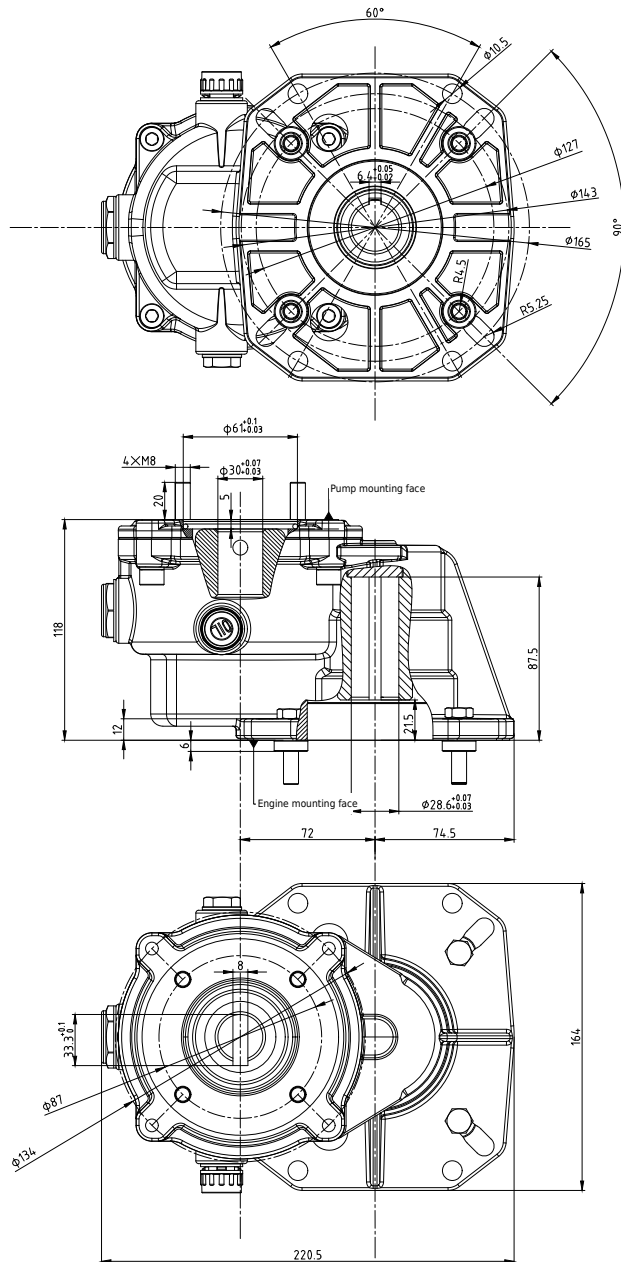
NO.	PART NAME	QTY
1	O-Ring	1
2	Hex Socket Button-Head Screw	4
3	Double-Tooth Lock Washer	4
4	Gearbox Cover	1
5	Hex Socket Button-Head Screw	4
6	Double-Tooth Lock Washer	4
7	Driven Gear	1
8	Hex Socket Flat-Point Set Screw	1
9	O-Ring	1
10	Pipe Plug	1
11	O-Ring	1
12	Gearbox Side Oil Sight Glass	1
13	Gearbox Housing	1
14	O-Ring	1
15	Oil-Level Gauge Assembly	1
16	Hex-Head Bolt	4
17	Bonded Seal Washer	4
18	Internal Retaining Ring (Bore)	1
19	EC Face Oil Seal	1
20	Drive Gear	1
21	Deep-Groove Ball Bearing	2
22	External Retaining Ring (Shaft)	1
23	Internal Retaining Ring (Bore)	1
24	TC Rotary Shaft Oil Seal	1

TOTAL LINE ITEMS 24

TOTAL PARTS 43

REDUCTION GEARBOX

INSTALLATION DIMENSIONS



KEY INSTALLATION DIMENSIONS (MM)

Overall L × W × H	220.5 × 164 × 118
Mounting flange dia.	Φ127 / Φ143 / Φ165
Flange bolt holes	6 × Φ10.5 (60° / 90°)
Pump-side mounting	4 × M8
Pilot bores	Φ61 ^{+0.1} / Φ30 ^{+0.07}
Output shaft / bosses	Φ28.6 / Φ87 / Φ134
Face depth (engine / pump)	72 / 74.5
Height to shaft axis	87.5
Keyway / step	8 · 33.3 · 21.5
Fillet radii	R4.5 / R5.25

MOUNTING FACES

Two mounting faces are marked on the drawing:

Pump-side mounting face — upper flange, 4 × M8.

Engine-side mounting face — lower flange, Φ127 / Φ143 / Φ165, 6 × Φ10.5.

All dimensions in millimetres (mm). Tolerances as shown on drawing. Three views: top, longitudinal section, and bottom.