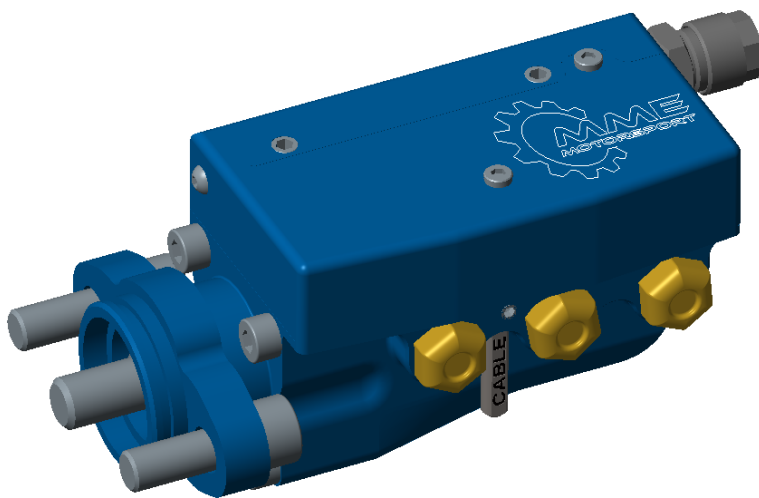


Gearbox actuator with integrated valves for Quaife QKE/QBM/QBE gearboxes



Features

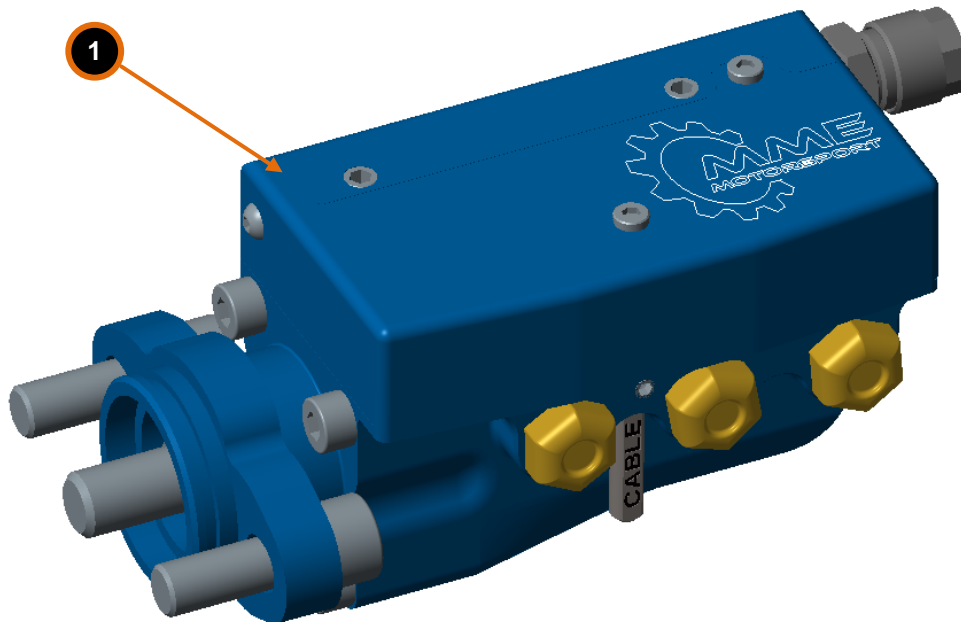
- Suitable for Quaife direct to gearbox mounting
- Supported gearboxes: QKE6V, QKE8J, QBE9J, QKE9D-H, QKE10J, QKE11E, QKE45Z, QBM2M, QBM6M, QBM7M, QBE46Z, QBE6U, QBE21C
- Powered by MME's Hypervelocity valves (Flow 900NI/min @ 8 bars)
- Two way actuator (max +12mm / -12mm) with integrated valves
- No need for extra valve block
- Very light (only weights 700 g)
- 650 N push and 560 pull force @ 8 bars

Technical specifications

Dimensions L x W x H	109 x 50 x 57 mm	
Weight	560 g	
Operating temperature	-20 ... 80°C	
Operating pressure	6 ... 9 Bar	
Voltage	12 V	
Valve coil resistance	137 ohm	
Stroke	12+12 mm	
Operating force [6 Bar]	Push	650 N
	Pull	560 N
Pneumatic fitting	Pneumatic tube 8/6 mm	

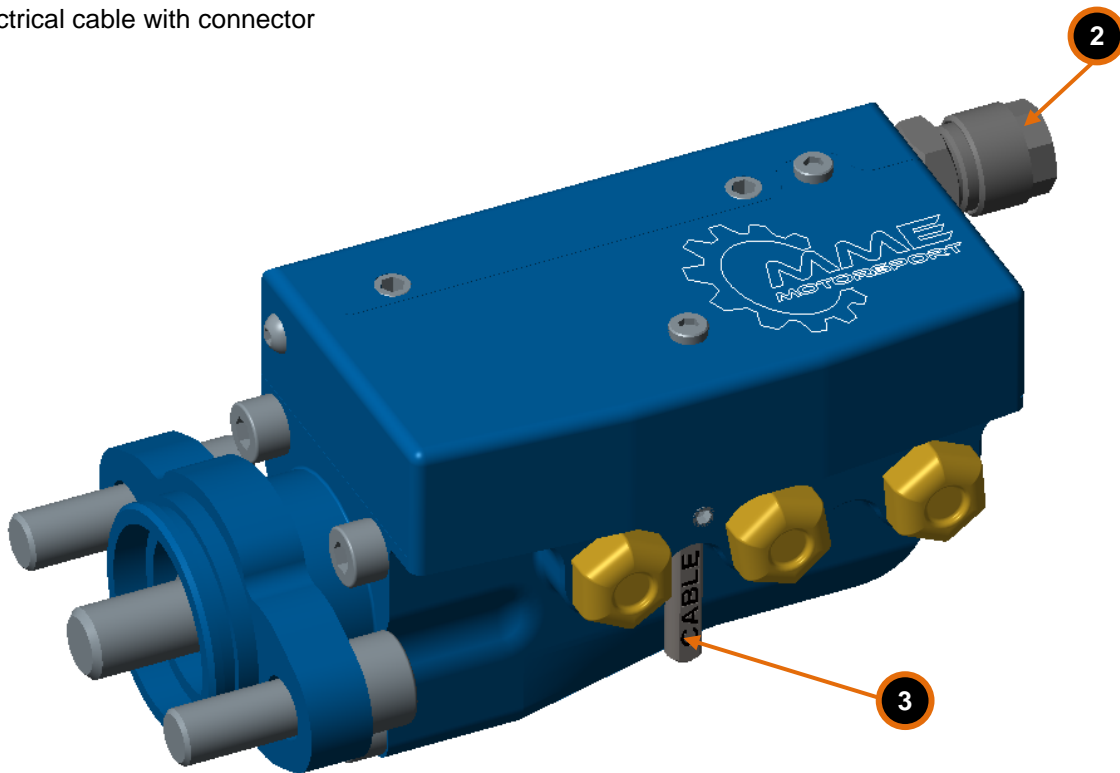
Included in the kit

- ① Gearbox actuator with integrated valves
Connector with pins



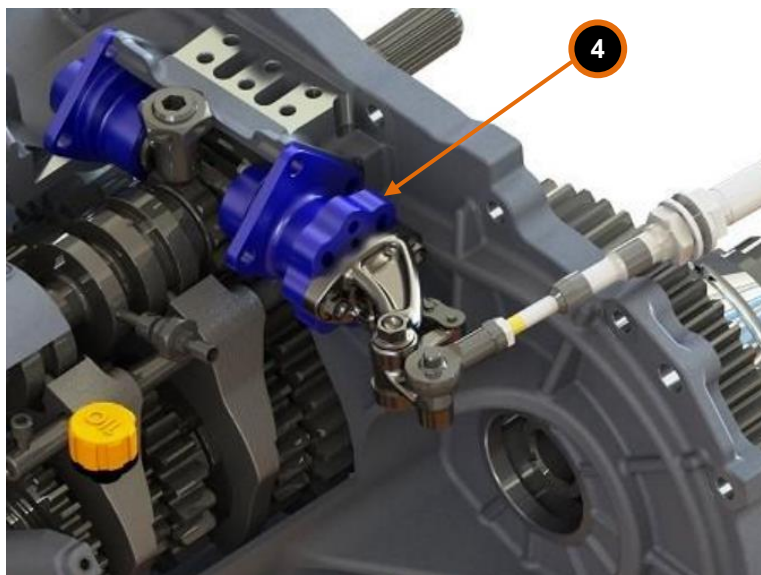
Connection Diagram

- ② Air supply (Ø 8 mm pneumatic pipe).
- ③ Electrical cable with connector

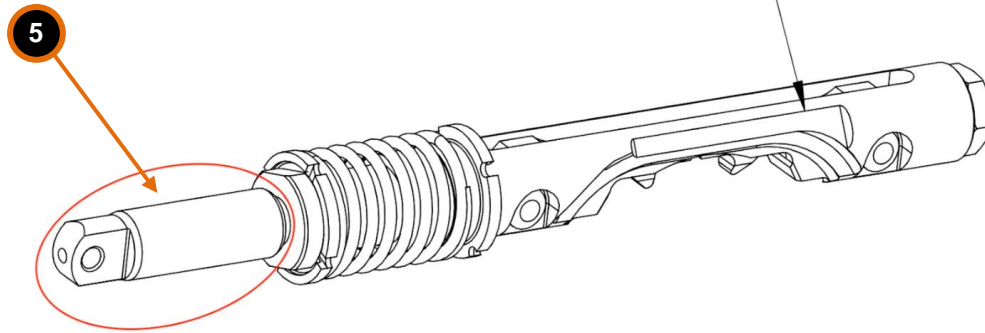


Mounting instruction

- ④ Disassemble your gear change rack cover and remove gear change rack.



⑤ Remove the end of the rack and replace it with the gear actuator. Use high strength thread lock to screw piston rod of the gear actuator to the gear rack.



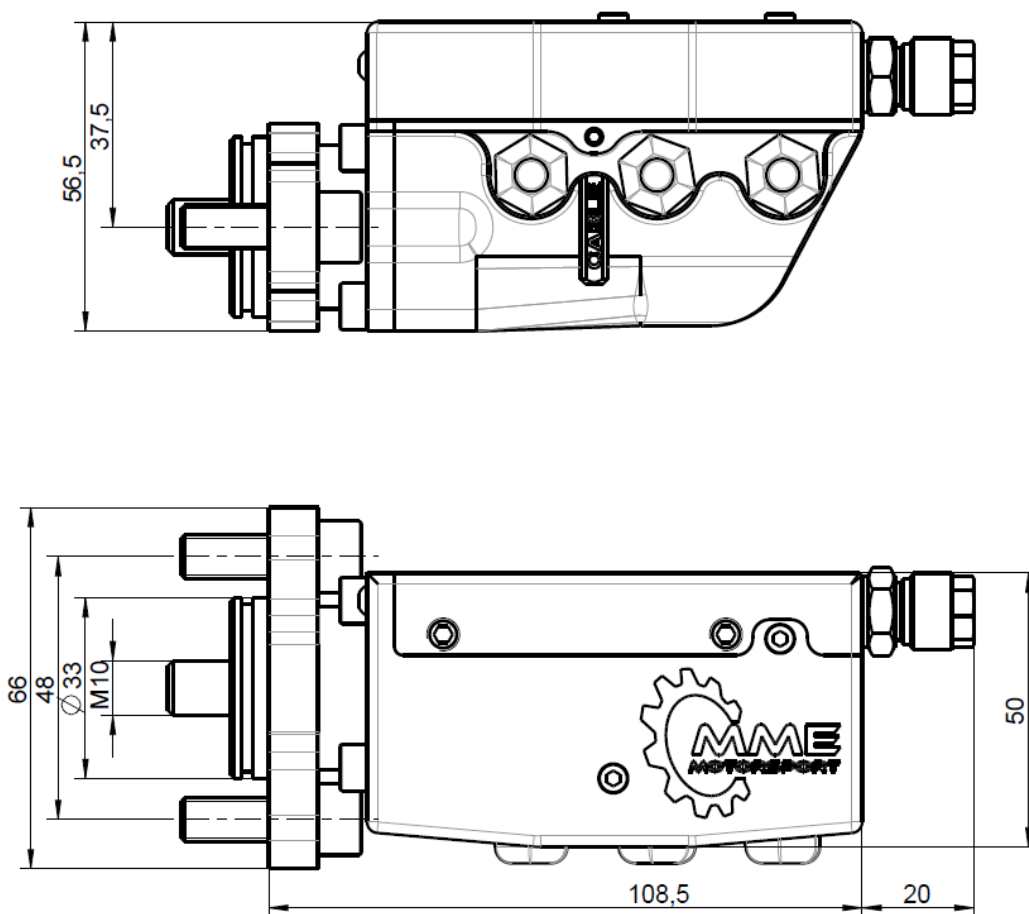
Electrical diagram

Actuator is shipped with cable and pre-crimped epoxy glued 4 pin connector ATM04-4S. Mating connector is ATM04-4P or DTM04-4P. Mating pins are AT60-202-20141 or AT60-20-0122. AWM-4P 4-Way Wedgelock is also attached.

Connector pinout

1	12V
2	OUT
3	IN
4	Not used

Technical drawing



Servicing

If there's any damage to the rod at any time, we recommend replacing the actuator.

Yearly inspection:

- Disassemble the actuator
- Check for any damage to the inside or outside of the actuator
- With piston rod removed, clean the inside and outside of the actuator with gasoline (Do not use Nitroglycerin).
- Seals, bushing and internal cylinder bore should be lubricated with FESTO grease LUB-KB1-SILIKONFREI.