

# اطلاعات فنی



The 4-in-1 steel gear set, priced with a set of four steel gears, is a set of gear-reducing gear sets with a very high cost performance. The large 55-gear gears have an outside diameter of 4.56 cm. This group of gears can form an alloy steel gear reduction group.

The black No. 45 steel gear is the main shaft gear, which is the gear installed on the motor shaft (there are 3/4/5/6mm kinds of apertures for your choice). For example, the [5mm spindle hole] is suitable for mounting on a 5mm motor shaft, and the remaining 3 alloy steel gears are used for deceleration.

[Spindle gear]: Modulus 0.5, number of teeth 20, total height 10mm, tooth height about 5mm, side with M3 top thread hole (screw hole for fastening the motor shaft), aperture has 4 kinds of options (3/4/5/6mm)

[Double gear (small)] : Large circle module 0.5, tooth number 47, thickness about 3.5mm; small circle module 0.6, number of teeth 12, thickness about 6mm; aperture 3mm

[Double Gear (Large)] : Large circle module 0.6, tooth number 59, thickness about 4mm; small circle module 0.8, number of teeth 15, thickness about 7.5mm; aperture 4mm

[Single layer gear (with shaft)] : Modulus 0.8, number of teeth 55, aperture 8mm, thickness 6mm, belt shaft length 47.5mm, shaft diameter 8mm (side with a 4mm hole on the shaft side, top with a M3.5 Threaded hole)

Gear diameter calculation formula:  $(\text{number of teeth} + 2) * \text{module} = \text{gear diameter (unit mm)}$ , such as the number of teeth 20, modulus 0.5, then the gear diameter is  $(20 + 2) * 0.5 = 11\text{mm}$

Optional accessories: plastic gear (very full ) motor shaft steel rack

Your own diy a gearbox, may need the following accessories: aluminum plate sleeve bearing shaft