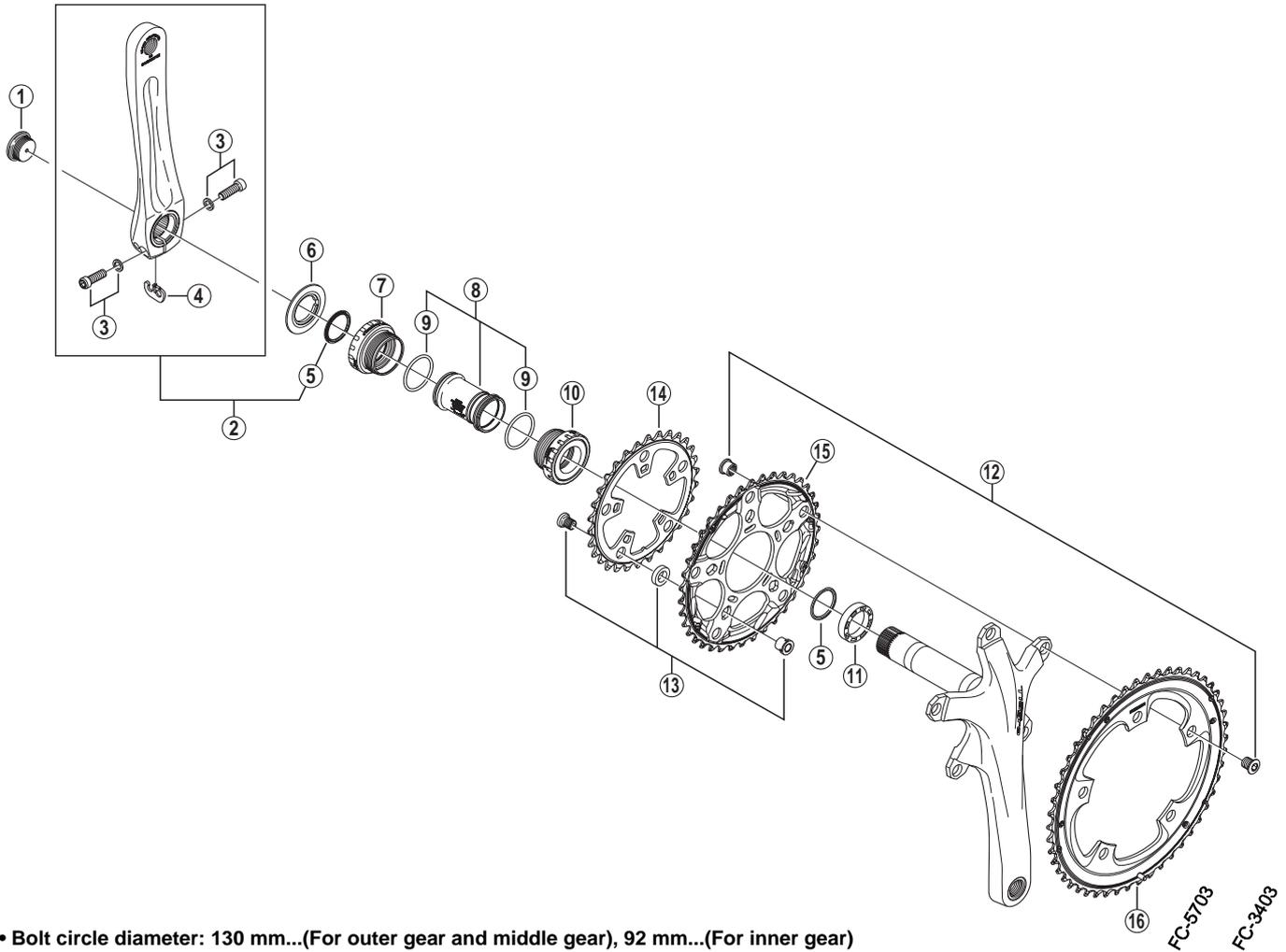


# TIAGRA Front Chainwheel FC-4603



• Bolt circle diameter: 130 mm...(For outer gear and middle gear), 92 mm...(For inner gear)

| ITEM NO. | SHIMANO CODE NO. | DESCRIPTION   | INTERCHANGEABILITY |
|----------|------------------|---|--------------------|
| 1        | Y1KS13000        | Crank Arm Fixing Bolt                               | A                  |
| 2        | Y1MH98010        | Left Hand Crank Arm 165 mm                          | B                  |
|          | Y1MH98020        | Left Hand Crank Arm 170 mm                          | B                  |
|          | Y1MH98030        | Left Hand Crank Arm 172.5 mm                        | B                  |
|          | Y1MH98040        | Left Hand Crank Arm 175 mm                          | B                  |
| 3        | Y1KS98030        | Clamp Bolt (M6 x 19) & Washer                       | A A                |
| 4        | Y1GE98050        | Plate   | A A                |
| 5        | Y1F316000        | Ring  | A A                |
| 6        | Y1GF11000        | Spacer (3 mm)                                       | A A                |
| 7        | Y1MH98050        | Left Hand Adapter (B.C.1.37" x 24T) English Thread  | B B                |
|          | Y1MH98060        | Left Hand Adapter (M36 x 24T) Italian Thread        | B B                |
| 8        | Y1MH98070        | Inner Cover & O-Ring                                | B B                |
| 9        | Y1TF21000        | O-Ring  | A A                |
| 10       | Y1MH98080        | Right Hand Adapter (B.C.1.37" x 24T) English Thread | B B                |
|          | Y1MH98090        | Right Hand Adapter (M36 x 24T) Italian Thread       | B B                |
| 11       | Y1F913000        | Spacer (6.5 mm)                                     | A A                |
| 12       | Y1HD98020        | Double Gear Fixing Bolt (M8 x 8.5) & Nut (5 sets)   | B A                |
| 13       | Y1MJ98010        | Inner Gear Fixing Bolt Unit (M8 x 9.6 / 5 sets)     |                    |
| 14       | Y1MJ30000        | Chainring 30T-D (Silver)                            |                    |
| 15       | Y1MJ98020        | Chainring 39T-D (Silver)                            |                    |
| 16       | Y1MJ98030        | Chainring 50T-D (Silver)                            | B                  |

A: Same parts.

B: Parts are usable, but differ in materials, appearance, finish, size, etc.

Absence of mark indicates non-interchangeability.

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Specifications are subject to change without notice.

# SHIMANO