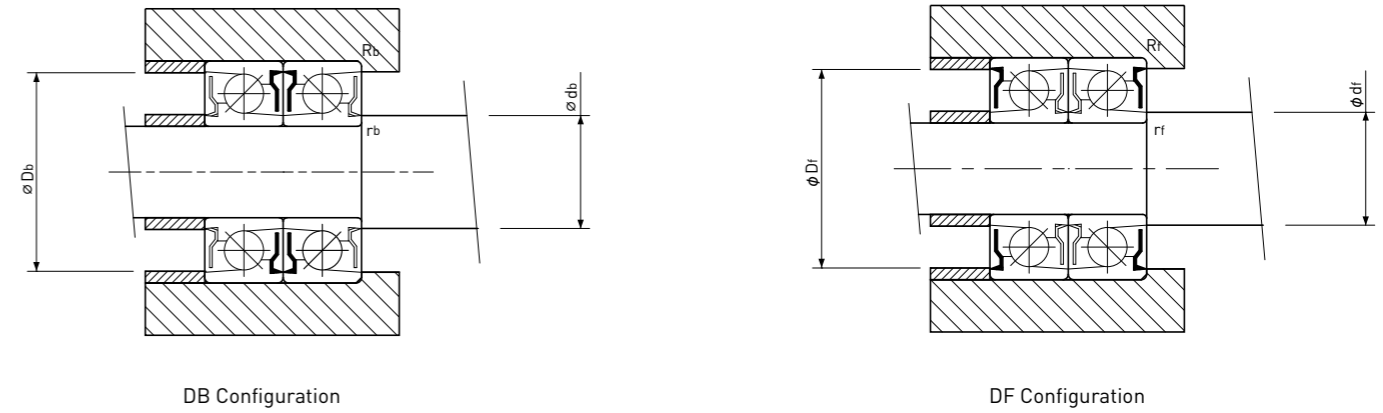
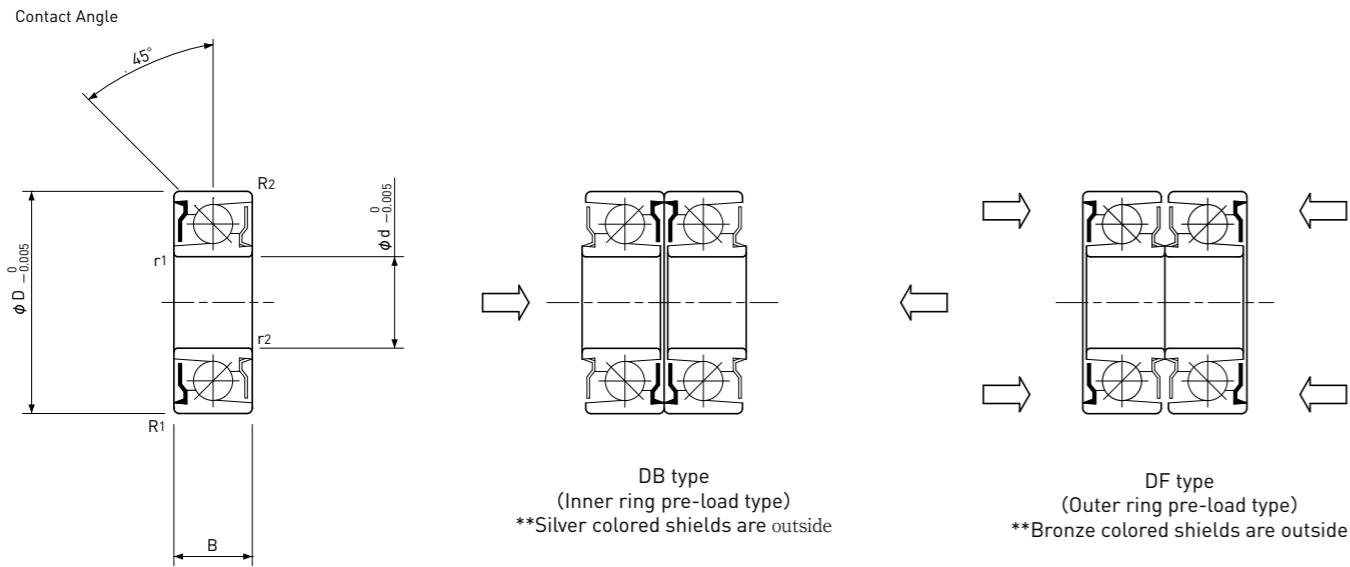


Fixed side Ball Bearings for MSU series

Angular Contact Ball Bearings (Stainless type)



Model number notation

MTA 08 -19 H P5 DF

① ② ③ ④ ⑤ ⑥

- ① Series No.
- ② Inner diameter of Bearing (mm)
- ③ Outer diameter of Bearing (mm)
- ④ Material
H : Stainless Steel
T : Bearing Steel
- ⑤ Accuracy grade
Equivalent to P5
- ⑥ Duplex type
DF : Face to Face duplex
DB : Back to Back duplex

Recommended tightening torque

Unit: N·cm (kgf·cm)

| Type | DF type | DB type |
|------------------|-----------|-----------|
| MTA02-06HP5DF/DB | 19.6(2.0) | 9.8(1.0) |
| MTA03-08HP5DF/DB | 19.6(2.0) | 14.7(1.5) |
| MTA04-11HP5DF/DB | 49(5.0) | 19.6(2.0) |
| MTA05-13HP5DF/DB | 49(5.0) | 24.5(2.5) |
| MTA06-15HP5DF/DB | 78.4(8.0) | 29.4(3.0) |
| MTA08-19HP5DF/DB | 78.4(8.0) | 39.2(4.0) |

Unit: mm

| Type | Dimension | | | | | | | Basic Load Rating | | Limit Speed min ⁻¹ | Abutment & Fillet | | | | | | | | Mass | Type |
|------------------|------------|------------|--------------------------|----------------|------|------|------|-------------------|------------|----------------------------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------|------------------|
| | I.D. φd | O.D. φD | Outer Ring Width B | Chamfer (min.) | | | | Ca (N) | Coa (N) | | DF type | | | | DB type | | | | | |
| | | | | r1 | r2 | R1 | R2 | | | | Df max. | df min. | Rf max. | rf max. | Db max. | db min. | Rb max. | rb max. | | |
| MTA02-06HP5DF/DB | 2 | 6 | 3 | 0.10 | 0.10 | 0.10 | 0.04 | 470 | 360 | 26,000 | 5.0 | 2.8 | 0.10 | 0.10 | 5.3 | 3.0 | 0.04 | 0.10 | 0.8 | MTA02-06HP5DF/DB |
| MTA03-08HP5DF/DB | 3 | 8 | 4 | 0.10 | 0.10 | 0.15 | 0.03 | 820 | 670 | 22,000 | 6.7 | 3.9 | 0.15 | 0.10 | 7.2 | 4.4 | 0.03 | 0.10 | 1.8 | MTA03-08HP5DF/DB |
| MTA04-11HP5DF/DB | 4 | 11 | 4.5 | 0.20 | 0.20 | 0.20 | 0.10 | 1250 | 1130 | 17,000 | 8.9 | 5.1 | 0.20 | 0.20 | 9.5 | 6.2 | 0.10 | 0.20 | 3.8 | MTA04-11HP5DF/DB |
| MTA05-13HP5DF/DB | 5 | 13 | 5 | 0.20 | 0.20 | 0.20 | 0.10 | 1780 | 1740 | 16,000 | 10.8 | 6.1 | 0.20 | 0.20 | 11.3 | 7.2 | 0.10 | 0.20 | 5.6 | MTA05-13HP5DF/DB |
| MTA06-15HP5DF/DB | 6 | 15 | 5.5 | 0.20 | 0.20 | 0.20 | 0.20 | 2350 | 2360 | 14,000 | 12.5 | 7.2 | 0.20 | 0.20 | 13.2 | 8.6 | 0.20 | 0.20 | 7.8 | MTA06-15HP5DF/DB |
| MTA08-19HP5DF/DB | 8 | 19 | 6.5 | 0.20 | 0.20 | 0.30 | 0.30 | 3400 | 3480 | 13,000 | 15.8 | 9.4 | 0.30 | 0.20 | 16.8 | 11.4 | 0.30 | 0.20 | 14.5 | MTA08-19HP5DF/DB |

- Note 1) Angular Contact Ball Bearings (manufactured by ISC) are designed for clean room use, they are made of Stainless steel with low contamination grease (NSK LG2) packed.
If necessary, Bearing steel type Angular Contact Ball Bearings with anti-fretting grease can be also provided.
- Note 2) Bearing duplex can be distinguished by the color of shield plate for each duplex, please refer to figure above.
- Note 3) Please designate duplex number (DF or DB), when you place order.
- Note 4) This series can be provided as sets of DF or DB configuration only.