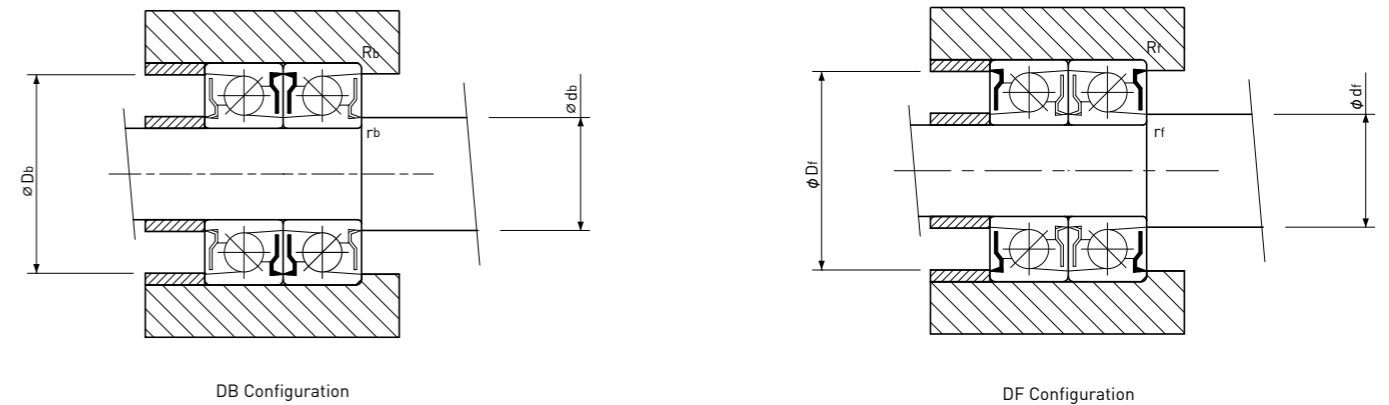
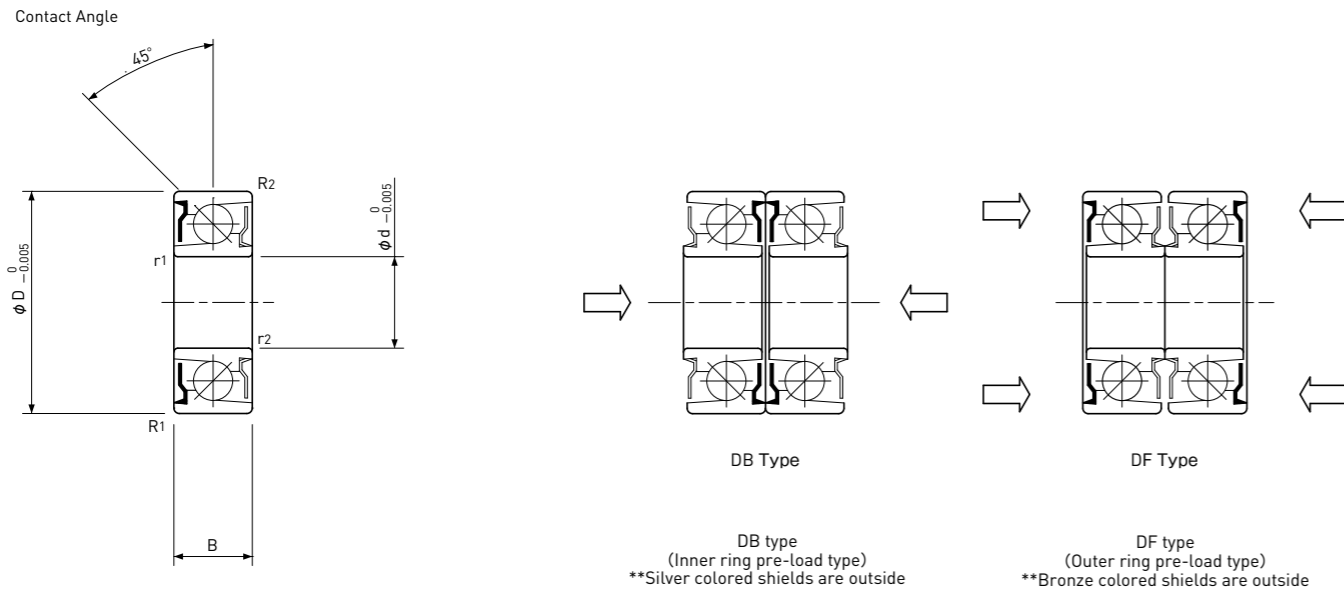


## Fixed side Ball Bearings for MSU series

## 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 <sup>-1</sup>	Abutment & Fillet								Mass	Type
	I.D. $\phi d$	O.D. $\phi D$	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.