

COM(-T), HCOM(-T) & COM-SS

Alloy Race, PTFE Lined Optional (COM(-T), HCOM(-T)) - Stainless Steel (COM-SS)

C O M M E R C I A L

Inch
Spherical
Bearings

QA1

COM(-T), HCOM(-T) Features

BALL

- 52100 Bearing Steel
- Heat Treated
- Hard Chrome Plated
- Precision Ground

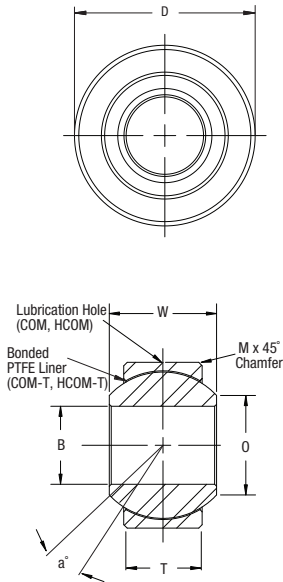
RACE

- Alloy Steel
- Heat Treated
- PTFE Lined Optional
- Protective Coated

PART NUMBER

DIMENSIONS IN INCHES

COM(-T), HCOM(-T)



COM Series Metal-to-Metal	COM-T Series PTFE Lined	B + .0015 - .0005	D + .0000 - .0007	T ± .005	W ± .005	O Flat Dia. Ref.	M Cham. Ref.	Ball Dia. Ref.	Misalign. Angle a°	Ult. Radial Static Load Lbs.	Approx. Brg. Wgt. Lbs.
COM2	-	0.1650	0.4687	0.187	0.250	0.235	0.020	0.343	9.0	3,200	0.01
COM3	COM3T	0.1900	0.5625	0.218	0.281	0.293	0.015	0.406	11.0	4,875	0.01
COM4	COM4T	0.2500	0.6562	0.250	0.343	0.364	0.022	0.500	13.5	7,425	0.02
COM5	COM5T	0.3125	0.7500	0.281	0.375	0.419	0.032	0.562	12.0	9,713	0.03
COM6	COM6T	0.3750	0.8125	0.312	0.406	0.516	0.032	0.656	10.0	12,600	0.04
COM7	COM7T	0.4375	0.9062	0.343	0.437	0.530	0.032	0.687	8.0	14,180	0.05
COM8	COM8T	0.5000	1.0000	0.390	0.500	0.640	0.032	0.781	9.5	19,875	0.07
COM9	COM9T	0.5625	1.0937	0.437	0.562	0.710	0.032	0.875	9.5	24,945	0.09
COM10	COM10T	0.6250	1.1875	0.500	0.625	0.780	0.032	0.968	8.5	31,920	0.11
COM12	COM12T	0.7500	1.4375	0.593	0.750	0.920	0.044	1.187	9.0	47,880	0.20
COM12-757	-	0.7570	1.4375	0.593	0.750	0.920	0.044	1.187	9.0	47,880	0.20
COM14	COM14T	0.8750	1.5625	0.703	0.875	0.980	0.044	1.312	9.5	62,940	0.26
COM16	COM16T	1.0000	1.7500	0.797	1.000	1.118	0.044	1.500	10.0	82,800	0.39
HCOM16	HCOM16T	1.0000	2.0000	0.781	1.000	1.360	0.032	1.687	9.0	106,230	0.55
HCOM19	HCOM19T	1.1875	2.3750	0.937	1.187	1.610	0.032	2.000	8.5	151,095	0.90
HCOM20	HCOM20T	1.2500	2.3750	0.937	1.187	1.610	0.032	2.000	8.5	151,095	0.90
HCOM24	HCOM24T	1.5000	2.7500	1.094	1.375	1.860	0.032	2.312	8.5	203,925	1.36
HCOM28	HCOM28T	1.7500	3.1250	1.250	1.562	2.110	0.044	2.625	8.0	264,555	1.95
HCOM32	HCOM32T	2.0000	3.5000	1.375	1.750	2.360	0.044	2.937	8.5	325,590	2.66

COM-SS Features

BALL

- 440C Stainless Steel
- Heat Treated
- Hard Chrome Plated
- Precision Ground

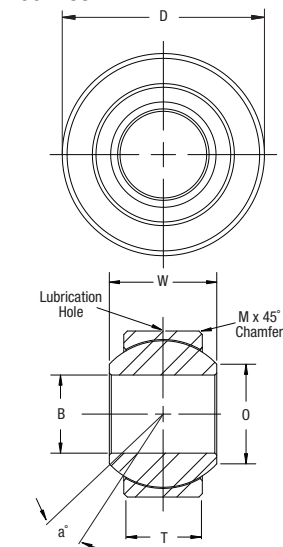
RACE

- 300 Series Stainless Steel

PART NUMBER

DIMENSIONS IN INCHES

COM-SS



Part Number	B + .0015 - .0005	D + .0000 - .0007	T ± .005	W ± .005	O Flat Dia. Ref.	M Cham. Ref.	Ball Dia. Ref.	Misalign. Angle a°	Ult. Radial Static Load Lbs.	Approx. Brg. Wgt. Lbs.
COM2SS	0.1650	0.4687	0.187	0.250	0.235	0.020	0.343	9.0	3,200	0.01
COM3SS	0.1900	0.5625	0.218	0.281	0.293	0.020	0.406	11.0	4,400	0.01
COM4SS	0.2500	0.6562	0.250	0.343	0.364	0.022	0.500	13.5	6,700	0.02
COM5SS	0.3125	0.7500	0.281	0.375	0.419	0.032	0.562	12.0	9,200	0.03
COM6SS	0.3750	0.8125	0.312	0.406	0.516	0.032	0.656	10.0	12,400	0.04
COM7SS	0.4375	0.9062	0.343	0.437	0.530	0.032	0.687	8.0	14,900	0.05
COM8SS	0.5000	1.0000	0.390	0.500	0.640	0.032	0.781	9.5	17,900	0.07
COM9SS	0.5625	1.0937	0.437	0.562	0.710	0.032	0.875	9.5	23,700	0.09
COM10SS	0.6250	1.1875	0.500	0.625	0.780	0.032	0.968	8.5	32,000	0.11
COM12SS	0.7500	1.4375	0.593	0.750	0.920	0.044	1.187	9.0	48,000	0.20
COM14SS	0.8750	1.5625	0.703	0.875	0.980	0.044	1.312	9.5	69,000	0.26
COM16SS	1.0000	1.7500	0.797	1.000	1.118	0.044	1.500	10.0	83,000	0.39

MCOM & MCOM-T

Alloy Race - PTFE Lined Optional

C O M M E R C I A L

**Metric
Spherical
Bearings**



MCOM & MCOM-T

Features

BALL

- 52100 Steel
- Heat Treated

- Hard Chrome Plated
- Precision Ground

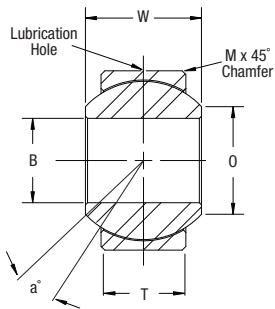
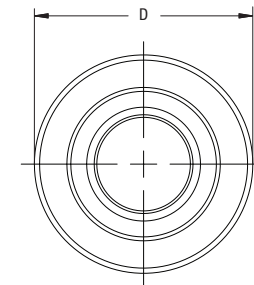
RACE

- Alloy Steel
- Heat Treated
- PTFE Lined Optional (MCOM-T)

DIMENSIONS IN MILLIMETERS

MCOM

Metal-to-Metal

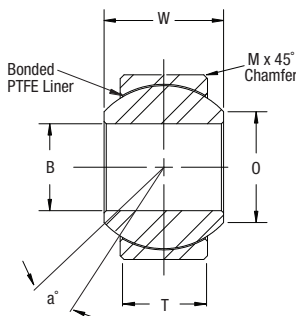
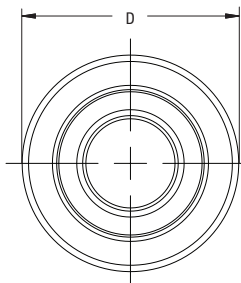


Part Number	B + .065 - .013	D + .000 - .018	T ± .13	W ± .13	O Flat Dia. Ref.	M Cham. Ref.	Ball Dia. Ref.	Misalign. Angle a°	Ult. Radial Static Load Cap. (Newtons)	Approx. Brg. Wgt. Grams
MCOM5	5	16	6.00	8	7.68	0.5	11.10	12.5	27,555	9
MCOM6	6	18	6.75	9	8.93	0.5	12.70	12.5	35,459	13
MCOM8	8	22	9.00	12	10.35	0.8	15.88	14.0	59,121	24
MCOM10	10	26	10.50	14	12.88	0.8	19.05	13.5	82,744	40
MCOM12	12	30	12.00	16	15.39	0.8	22.23	13.0	112,829	80
MCOM14	14	34	13.50	19	16.86	1.0	25.40	16.0	141,845	110
MCOM16	16	38	15.00	21	19.34	1.0	28.58	15.0	177,343	130
MCOM18	18	42	16.50	23	21.89	1.0	31.75	15.0	216,714	170
MCOM20	20	46	18.00	25	24.35	1.0	34.93	14.5	260,086	230
MCOM22	22	50	20.00	28	25.84	1.5	38.10	15.0	315,216	280
MCOM25	25	56	22.00	31	29.60	1.5	42.86	15.0	390,056	390
MCOM30	30	66	25.00	37	34.81	1.5	50.80	17.0	525,360	610

DIMENSIONS IN MILLIMETERS

MCOM-T

PTFE Lined



Part Number	B + .065 - .013	D + .000 - .018	T ± .13	W ± .13	O Flat Dia. Ref.	M Cham. Ref.	Ball Dia. Ref.	Misalign. Angle a°	Ult. Radial Static Load Cap. (Newtons)	Approx. Brg. Wgt. Grams
MCOM5T	5	16	6.00	8	7.68	0.5	11.10	12.5	27,555	9
MCOM6T	6	18	6.75	9	8.93	0.5	12.70	12.5	35,459	13
MCOM8T	8	22	9.00	12	10.35	0.8	15.88	14.0	59,121	24
MCOM10T	10	26	10.50	14	12.88	0.8	19.05	13.5	82,744	40
MCOM12T	12	30	12.00	16	15.39	0.8	22.23	13.0	112,829	80
MCOM14T	14	34	13.50	19	16.86	1.0	25.40	16.0	141,845	110
MCOM16T	16	38	15.00	21	19.34	1.0	28.58	15.0	177,343	130
MCOM18T	18	42	16.50	23	21.89	1.0	31.75	15.0	216,714	170
MCOM20T	20	46	18.00	25	24.35	1.0	34.93	14.5	260,086	230
MCOM22T	22	50	20.00	28	25.84	1.5	38.10	15.0	315,216	280
MCOM25T	25	56	22.00	31	29.60	1.5	42.86	15.0	390,056	390
MCOM30T	30	66	25.00	37	34.81	1.5	50.80	17.0	525,360	610

SELF-LUBRICATING

Spherical Bearings