Competition Series SMM..50/51 SMGM..50/51/52

Use

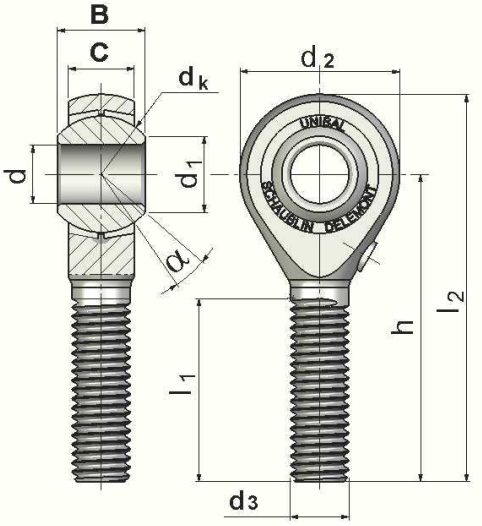
– Application in all fields where static loadings are high, at low velocities

Slip contact

– Stainless steel spacers / Chrome steel bush

Maintenance

– Requires regular lubrication.
– Integral lubricator on rods from size 8 (letter G)



SMM / SMGM

Type	d H7	B 0 - 0,05	C ± 0.2	d_k	d_1	d_2	d_3 6 g	h	l_1	l_2	α°	Basic static loading C_o (daN)	Weight (g)
SMM 5 .50	5	8	6	11.11	7.71	16	M5 x0.8	33	20	41	13	1,290	12
SMM 6 .50	6	9	6.75	12.70	8.96	18	M6 x1	36	22	45	13	1,550	18
SMGM 8 .50	8	12	9	15.88	10.40	22	M8 x1.25	42	25	53	14	2,290	35
SMGM 10 .50	10	14	10.5	19.05	12.92	26	M10 x1.5	48	29	61	14	2,990	57
SMGM 12 .50	12	16	12	22.23	15.43	30	M12 x1.75	54	33	69	13	3,800	87
SMGM 14 .50	14	19	13.5	25.40	16.86	34	M14 x2	60	36	77	16	4,690	120
SMGM 16 .50	16	21	15	28.58	19.39	38	M16 x2	66	40	85	15	5,680	170
SMGM 18 .50	18	23	16.5	31.75	21.89	42	M18 x1.5	72	44	93	15	6,770	240

Competition Series SMM..50/51 SMGM..50/51/52

Special features:

- Magnetic fault inspection as standard
- Without play
- High torque

Materials

Mount:

- High tensile steel 34CrNiMo6 (1.6582), blackened, oiled

Bush:

- Bearing steel 100Cr6 (1.3505), hardened, chrome

Spacers:

- Stainless steel X10CrNiS18-9 (1.4305)

Notes

Left-hand thread: add the suffix L in the description

- Example: SMLGM 12.50

By request:

- Original lubricant - Molykote BR2 (see page 17)
- Reduced torque

Series .51

- MF thread

Type	d H7	B $^{0}_{-0,05}$	C ± 0.2	d_k	d_1	d_2	d_3 6 g	h	l_1	l_2	α°	Basic static loading C_o (daN)	Weight (g)
SMM 5 .51	5	8	6	11.11	7.71	16	M5 x0.5	33	20	41	13	1,290	12
SMM 6 .51	6	9	6.75	12.70	8.96	18	M6 x0.75	36	22	45	13	1,550	18
SMGM 8 .51	8	12	9	15.88	10.40	22	M8 x1	42	25	53	14	2,290	35
SMGM 10 .51	10	14	10.5	19.05	12.92	26	M10 x1	48	29	61	14	2,990	57
SMGM 12 .51	12	16	12	22.23	15.43	30	M12 x1.5	54	33	69	13	3,800	87
SMGM 14 .51	14	19	13.5	25.40	16.86	34	M14 x1.5	60	36	77	16	4,690	120
SMGM 16 .51	16	21	15	28.58	19.39	38	M16 x1.5	66	40	85	15	5,680	170

Series .52

- MF thread and bush bore 2mm smaller than the thread

Type	d H7	B $^{0}_{-0,05}$	C ± 0.2	d_k	d_1	d_2	d_3 6 g	h	l_1	l_2	α°	Basic static loading C_o (daN)	Weight (g)
SMGM 10 .52	8	14	10.5	19.05	12.92	26	M10 x1	48	29	61	31.5	2,990	57
SMGM 12 .52	10	16	12	22.23	15.43	30	M12 x1.5	54	33	69	30.5	3,800	87
SMGM 14 .52	12	19	13.5	25.40	16.86	34	M14 x1.5	60	36	77	29.5	4,690	120
SMGM 16 .52	14	21	15	28.58	19.39	38	M16 x1.5	66	40	85	29	5,680	170
SMGM 18 .52	16	23	16.5	31.75	21.89	42	M18 x1.5	72	44	93	28	6,770	240

Competition Series SMEM..50/51/52

Self-lubricated

Use

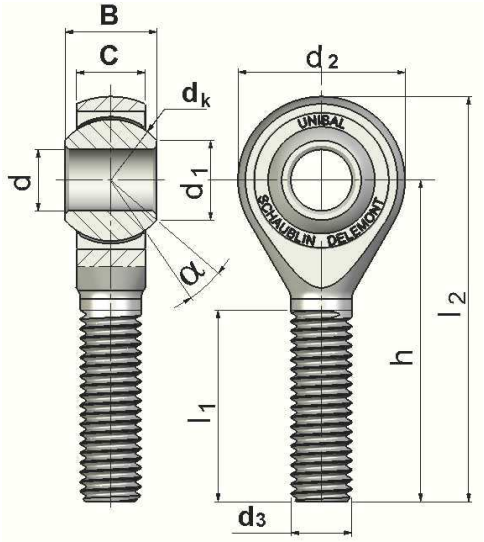
– Application in all fields where static loadings are high, at reduced velocities

Slip contact

– Uniflon® E / Chrome steel bush

Maintenance

– Self-lubricated, maintenance-free



SMEM

Type	d H7	B 0 - 0,05	C ± 0.2	d_k	d_1	d_2	d_3 6 g	h	l_1	l_2	α°	Basic static loading C_0 (daN)	Weight (g)
SMEM 5 .50	5	8	6	11.11	7.71	16	M5 x0.8	33	20	41	13	1,100	12
SMEM 6 .50	6	9	6.75	12.70	8.96	18	M6 x1	36	22	45	13	1,360	18
SMEM 8 .50	8	12	9	15.88	10.40	22	M8 x1.25	42	25	53	14	2,120	35
SMEM 10 .50	10	14	10.5	19.05	12.92	26	M10 x1.5	48	29	61	14	2,850	57
SMEM 12 .50	12	16	12	22.23	15.43	30	M12 x1.75	54	33	69	13	3,800	87
SMEM 14 .50	14	19	13.5	25.40	16.86	34	M14 x2	60	36	77	16	4,800	120
SMEM 16 .50	16	21	15	28.58	19.39	38	M16 x2	66	40	85	15	5,760	170
SMEM 18 .50	18	23	16.5	31.75	21.89	42	M18 x1.5	72	44	93	15	7,040	240

Competition Series SMEM..50/51/52

Self-lubricated

Special features:

- Magnetic fault inspection as standard
- Without play
- Very high torque

Materials

Mount:

- High tensile steel 34CrNiMo6 (1.6582), blackened, oiled

Bush:

- Bearing steel 100Cr6 (1.3505), hardened, chrome

Cage:

- High tensile steel 34CrNiMo6 (1.6582)
- Uniflon® E

Notes

Left-hand thread: add the suffix L in the description

- Example: SMLEM 12.50

By request:

- Reduced torque

Series .51:

- MF thread

Type	d H7	B 0 - 0,05	C ± 0.2	d_k	d_1	d_2	d_3 6 g	h	l_1	l_2	α°	Basic static loading C_0 (daN)	Weight (g)
SMEM 5 .51	5	8	6	11.11	7.71	16	M5 x0.5	33	20	41	13	1,100	12
SMEM 6 .51	6	9	6.75	12.70	8.96	18	M6 x0.75	36	22	45	13	1,360	18
SMEM 8 .51	8	12	9	15.88	10.40	22	M8 x1	42	25	53	14	2,120	35
SMEM 10 .51	10	14	10.5	19.05	12.92	26	M10 x1	48	29	61	14	2,850	57
SMEM 12 .51	12	16	12	22.23	15.43	30	M12 x1.5	54	33	69	13	3,800	87
SMEM 14 .51	14	19	13.5	25.40	16.86	34	M14 x1.5	60	36	77	16	4,800	120
SMEM 16 .51	16	21	15	28.58	19.39	38	M16 x1.5	66	40	85	15	5,760	170

Series .52:

Type	d H7	B 0 - 0,05	C ± 0.2	d_k	d_1	d_2	d_3 6 g	h	l_1	l_2	α°	Basic static loading C_0 (daN)	Weight (g)
SMEM 10 .52	8	14	10.5	19.05	12.92	26	M10 x1	48	29	61	31.5	2,850	57
SMEM 12 .52	10	16	12	22.23	15.43	30	M12 x1.5	54	33	69	30.5	3,800	87
SMEM 14 .52	12	19	13.5	25.40	16.86	34	M14 x1.5	60	36	77	29.5	4,800	120
SMEM 16 .52	14	21	15	28.58	19.39	38	M16 x1.5	66	40	85	29	5,760	170
SMEM 18 .52	16	23	16.5	31.75	21.89	42	M18 x1.5	72	44	93	28	7,040	240

- MF thread and bush bore 2mm smaller than the thread.