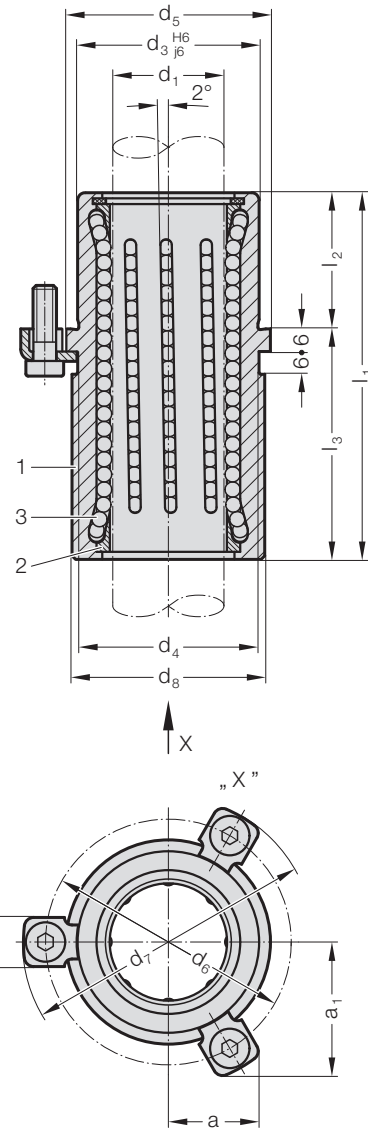


RECIRCULATING BALL BUSH WITH COLLAR ~ISO9448-7



2081.69. .1



Description:

The recirculating ball bush is used when very large paths (strokes) are travelled. This is only limited by the mounting situation. In comparison to guides with ball cage, however, the lower dynamic load figures (C) should be observed. Despite the high number of ball tracks, fewer balls are in usage.

For optimum service life, a movement path (stroke) of three times the length of the recirculating ball bush is recommended ($3 \times l_1$).

Material:

Socket (1): Steel, hardened 62 ± 2 HRC

Ball carrier (2): Aluminium

Balls (3): Steel, hardened, conforming to DIN 5401

Execution:

Outside diameter precision ground.

Note:

The attachment is with 3 retaining elements, from $\varnothing d_1 = 38$ with 4 retaining elements, which are included in delivery (Order No: 207.45 - retaining element incl. socket head bolt DIN 6912, M6x20, head $\varnothing 13$).

☞ Matching guide combinations, see selection matrix at the beginning of chapter D.

☞ For service life calculation and dynamic load figures, see the end of chapter D.

☞ Assembly guidelines / size tables and tolerances at the end of chapter D.

Recirculating ball bushes only with red guide pillar = .30 combinable.

2081.69. .1 Recirculating ball bush with collar ~ISO9448-7

d_1	20	25	32	40	50	63
d_8	39	46	53	63	77	92
d_3	32	40	48	58	70	85
d_4	32	40	48	58	70	85
d_5	40	48	56	66	80	95
d_6	52	60	67	77	91	106
d_7	64.7	72.7	79.7	89.7	103.7	118.7
a	20.7	22.65	24.4	35.3	40.2	45.5
a_1	30	33.4	36.4	35.3	40.2	45.5
Ball tracks	8	8	8	10	10	12
l_1	47	60	77	95	95	120
l_2	23	23	30	37	47	60
l_3	24	37	47	58	48	60

Ordering Code (example):

Recirculating ball bush with collar ~ISO9448-7	= 2081.69.
Diameter of conduit d_1	25 mm = 025.
Length l_1	60 mm = 060.
Standard design	= 1
Order No	= 2081.69. 025. 060. 1