



AG BEARINGS for relubrication through the outer ring

Relubrication units are used whenever the grease service life and/or the rotating speeds of conventional for-life grease lubrication are no longer sufficient. Recent developments in relubrication technology have been leading to the increased use of this technology which involves direct lubrication through the outer ring.

Advantages and Characteristics

- Speed factor $n \times dm$ up to 2.3 million mm/min
- Up to tenfold increase of service life compared to conventional for-life grease lubrication
- Simplified system technology compared to oil-air lubrication
- Reduced operating costs (compressed air, oil consumption)
- Less time required for grease distribution and run-in
- No oil residues (e.g. timber and food industry)

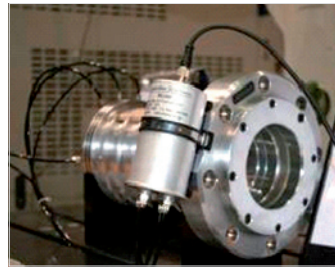
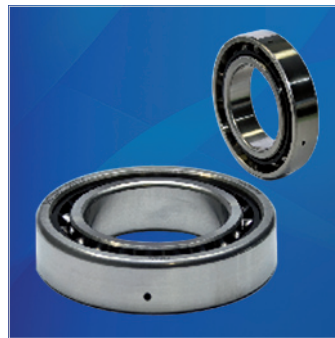


Photo: Lubcon Service + Systems GmbH

Availability

- Bearing type S, SM, KH
- Bearing series 60.. and 619..
- Contact angle C, E or customer-specific
- Precision classes P4 / ABEC 7, HG, UP
- Steel or ceramic balls
- Design with 4 x through holes on outer ring
 - dB = 1.5 mm with sizes 6000 ... 6003, 61904 ... 61907
 - dB = 2.0 mm with sizes 6004 ... 6024, 61908 ... 61924
- Peripheral lubrication groove on request



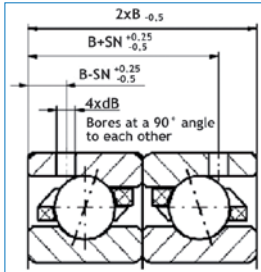
Designation examples

Ball material	Bearing type	Bearing size	Sealing	Contact angle	Cage	Precision	Matching	Grease
Steel								
-	SAG	6005	-	C	TXM	HG	DUL	-
Ceramic								
HY	SMAG	6008	-	C	TXM	UP	DUL	LC 252 15%
Ceramic								
HY	KHAG	61914	-	E	TA	P4	DUL	-

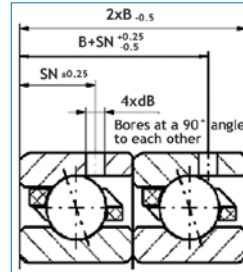


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Position of lubricant supply



Back-to-back arrangement



Tandem arrangement

KHAG	B	SN	dB
61904	9	6.2	1.5
61905	9	6.2	1.5
61906	9	6.2	1.5
61907	10	6.7	1.5
61908	21	8.1	2.0
61909	12	8.1	2.0
61910	12	8.1	2.0
61911	13	8.7	2.0
61912	13	8.7	2.0
61913	13	8.7	2.0
61914	16	10.3	2.0

KHAG	B	SN	dB
6000	8	5.5	1.5
6001	8	5.5	1.5
6002	9	6.1	1.5
6003	10	6.6	1.5
6004	12	8.1	2.0
6005	12	8.1	2.0
6006	13	8.6	2.0
6007	14	9.2	2.0
6008	15	9.7	2.0
6009	16	10.2	2.0
6010	16	10.3	2.0
6011	18	11.5	2.0
6012	18	11.5	2.0
6013	18	11.5	2.0
6014	20	12.7	2.0

S/SMAG	B	SN	dB
6000	8	5.9	1.5
6001	8	5.9	1.5
6002	9	6.4	1.5
6003	10	6.9	1.5
6004	12	8.0	2.0
6005	12	8.0	2.0
6006	13	8.7	2.0
6007	14	9.2	2.0
6008	15	9.8	2.0
6009	16	10.3	2.0
6010	16	10.4	2.0
6011	18	11.4	2.0
6012	18	11.5	2.0
6013	18	11.5	2.0
6014	20	12.8	2.0
6015	20	12.6	2.0
6016	22	13.7	2.0
6017	22	13.7	2.0
6018	24	14.9	2.0
6019	24	14.9	2.0
6020	24	14.9	2.0
6021	26	16.0	2.0
6022	28	17.1	2.0
6024	28	17.1	2.0

SAG	B	SN	dB
61904	9	6.2	1.5
61905	9	6.2	1.5
61906	9	6.2	1.5
61907	10	6.8	1.5
61908	12	8.1	2.0
61909	12	8.2	2.0
61910	12	8.2	2.0
61911	13	8.8	2.0
61912	13	8.8	2.0
61913	13	8.8	2.0
61914	16	10.4	2.0
61915	16	10.3	2.0
61916	16	10.5	2.0
61917	18	11.5	2.0
61918	18	11.5	2.0
61919	18	11.5	2.0
61920	20	12.7	2.0
61921	20	12.7	2.0
61922	20	12.7	2.0
61924	22	13.8	2.0