

Arcanol Bearing Greases

	Grease	Characteristic applications	Operating temperature lower limit	Operating temperature upper limit	Thickener type	Base oil type	NLGI	Base oil viscosity 40°C in mm²/s	Base oil viscosity 100°C in mm²/s	Speed factor limit n*dm mm/min*	FE8 test run wear behaviour**	FE8 DIN 51819 requirements	FE8-proven values	FE9 test run (grease service life)	FE9 DIN 51821-02 requirements	FE9-proven values
Multipurpose greases	MULTITOP	Ball and roller bearings in rolling mills, construction machinery, spinning and grinding spindles, automotive engineering, rotary table bearings, ball screw support bearing, rail vehicles	-50	140	Lithium soap	SHC+Ester+ mineral oil	2	82	12,5	800000	536050MP - 75/80-120	vWk50 ≤ 35 mg	vWk50 = 5mg	A/1500/6000-140	F50 ≥ 200 h	F50 = 294h
	MULTI2	Ball bearings up to 62 mm outside Ø in small electric motors, agricultural and construction machinery, household appliances	-30	120	Lithium soap	Mineral oil	2	110	11	500000	536050MP - 75/80-80	vWk50 ≤ 35 mg	vWk50 = 16mg	A/1500/6000-130	F50 ≥ 100 h	F50 = 143h
	MULTI3	Ball bearings from 62 mm outside Ø in large electric motors, agricultural and construction machinery, fans	-20	120	Lithium soap	Mineral oil	3	110	12	500000	536050MP - 75/80-80	vWk50 ≤ 35 mg	vWk50 ≤ 35 mg	B/1500/6000-120	F50 ≥ 200 h	F50 = 369h
High loads	LOAD150	Ball, roller and needle roller bearings, rotary table bearings linear guidance systems in machine tools, wheelset bearings, construction machinery	-20	140	Lithium complex	Mineral oil	2	160	15,5	500000	536048 - 750/30-RT	vWk50 ≤ 35 mg	vWk50 = 8mg	A/1500/6000-140	F50 ≥ 100 h	F50 = 194h
	LOAD220	Ball and roller bearings in rolling mill plants, paper machinery, rail vehicles, conveyors, steel industry	-30	140	Lithium/calcium	Mineral oil	2	220	17	500000	536048 - 1500/10-RT	vWk50 ≤ 35 mg	vWk50 = 5mg	B/1500/6000-130	F50 ≥ 100 h	F50 = 214h
	LOAD400	Ball and roller bearings in mining machinery, construction machinery, wind turbine main bearings, converter in steel industry	-40	130	Lithium/calcium	Mineral oil	2	400	25	400000	536048 - 75/80-RT	vWk50 ≤ 35 mg	vWk50 = 1mg	B/1500/6000-130	F50 ≥ 200 h	F50 = 376h
	LOAD460	Ball and roller bearings, wind turbines, bearings with pin cage	-40	130	Lithium/calcium	Mineral oil	1	400	25	400000	536048 - 75/80-RT	vWk50 ≤ 35 mg	vWk50 = 13mg	B/1500/6000-130	F50 ≥ 200 h	F50 = 274h
	LOAD1000	Ball and roller bearings in mining machinery, construction machinery, cement plants, roller presses (HPGR), steel industry	-20	130	Lithium/calcium	Mineral oil	2	1000	38	300000	536050MP - 75/80-80	vWk50 ≤ 35 mg	vWk50 = 22mg	A/1500/6000-140	F50 ≥ 150 h	F50 = 182h
High temperature ranges	TEMP90	Ball and roller bearings in clutches, electric motors, automotive engineering, generators, traction motors	-40	160	Polyurea	SHC+ mineral oil	3	148	15,5	700000	536048 - 75/80-100	vWk50 ≤ 35 mg	vWk50 = 16mg	B/1500/6000/160	F50 ≥ 300 h	F50 = 730h
	TEMP110	Ball and roller bearings in clutches, electric motors, automotive engineering, generators, traction motors	-35	160	Lithium complex	SHC+ mineral oil	2	130	14	500000	536048 - 75/80-120	vWk50 ≤ 35 mg	vWk50 = 4mg	A/1500/6000-150	F50 ≥ 200 h	F50 = 224h
	TEMP120	Ball and roller bearings in continuous casting plants, paper machinery, pellet presses, exhaust fans for aggressive media	-30	180	Polyurea	SHC oil	2	400	40	300000	536050MP - 75/80-160	vWk50 ≤ 35 mg	vWk50 = 1mg	A/1500/6000-180	F50 ≥ 100 h	F50 = 120h
	TEMP200	Ball and roller bearings in guide rollers for baking machinery, kiln trucks and chemical plants, piston pins in compressors, paintshop conveyors, corrugated cardboard industry	-30	260	PTFE	PFPE oil	2	550	49	300000	536050MP - 75/80-160	vWk50 ≤ 35 mg	vWk50 = 4mg	B/1500/3000-220	F50 ≥ 100 h	F50 = 300h
Special greases	SPEED2,6	Ball bearings in machine tools, spindle bearings, instrument bearings	-40	120	Lithium complex	SHC/ ester oil	2-3	25	6	2000000	536050TVP - 6000/5-90	vWk50 ≤ 35 mg	vWk50 = 2mg	A/1500/6000-120	F50 ≥ 150 h	F50 = 312h
	VIB3	Ball and roller bearings in blade adjusters in wind turbine rotors, packaging machinery, rail vehicles, rope sheaves, crusher plant in quarries, oscillating operation, vibration operation	-30	150	Lithium complex	Mineral oil	3	170	14	350000	536050 - 75/80-RT	vWk50 ≤ 35 mg	vWk50 = 15mg	A/1500/6000-150	F50 ≥ 100 h	F50 = 120h
	FOOD2	Ball and roller bearings in applications with food contact (NSF-H1 registration, kosher and halal certification)	-30	120	Aluminium complex	SHC oil	2	150	18	400000	536048 - 75/80-80	vWk50 ≤ 35 mg	vWk50 = 34mg	B/1500/6000/120	F50 ≥ 200 h	F50 = 300h
	CLEAN-M	Ball, roller, and needle roller bearings as well as linear guidance systems in clean room applications, electric motors with high requirements, vacuum and radiation environment	-30	180	Polyurea	Ether oil	2	100	12,8	850000	536050MP - 75/80-80	vWk50 ≤ 35 mg	vWk50 = 6mg	A/1500/6000-130	F50 ≥ 200 h	-
	MOTION2	Ball and roller bearings in oscillating operation, slewing rings in wind turbines	-40	130	Lithium soap	SHC oil	2	50	8	500000	-	vWk50 ≤ 35 mg	-	B/1500/6000-140	F50 ≥ 200 h	F50 = 556h
	SEMIFLUID	Semifluid grease lubricant for linear guidance systems and gears	-40	160	Lithium complex	SHC oil	0	180	20	-	-	-	-	-	-	-