

DIN 51825 Classification system

The DIN classification system specifically requires the following, though some of the initial designation information is often omitted (i.e. sometimes only K 1 G is offered, form the following example).

Schmierfett DIN 51825 - K 1 G -20

Grease	DIN 51825	K	= Grease (KP= grease with EP additives, KPF= grease with EP and solid additives)
		1	= NLGI Grade (see NLGI classification)
		G	= Upper operating temperature and water resistance (see below)
		-20	= Lower operating temperature

Third designation letter

Letter	Upper operating temperature (°C)	Water resistance DIN 51807
C	+60	0-40 to 1-40
D	+60	2-40 to 3-40
E	+80	0-40 to 1-40
F	+80	2-40 to 3-40
G	+100	0-90 to 1-90
H	+100	2-90 to 3-90
K	+120	0-90 to 1-90
M	+120	2-90 to 3-90
N	+140	No requirement
P	+160	No requirement
R	+180	No requirement
S	+200	No requirement
T	+220	No requirement
U	>+220	No requirement

