



Disc spring for critical applications Steel Ck 67 Werkstoffnr. 1.1231 Phosphated 31,5X12,2X1,0MM

Article number	36450.327.010
Brand	-
UBB	950357495221
UNSPSC	31161811
EAN	8715492762290
PKG. of 50	Full Box Only

Technical Parameters

Diameter	12.2 mm
d _e	31.5
d _i	12.2
Material	Steel
Material technical	Ck 67 Werkstoffnr. 1.1231
Outer diameter	31.5
Surface treatment	Phosphated

Standards

Info

Warning:
electroplating of
these products may
cause hydrogen
embrittlement. Disc
springs are mostly
used in critical
applications with
safety first. Similar
applications can be
found in for example
safety torque
limiter clutches,
hinge stiffeners
and applications
of constant
roll pressure.
Because of the right
combination c.q.

stacking of the disc springs the elasticity and/or deflection can be dosed accurately. The technical specifications of these disc springs meet the highest expectations with reference to the static and dynamic load. They exceed the requirements of DIN 2093. Material group 1: $t \leq 1,25$ from steel Ck 67. Material group 2: $1,25 \leq t \leq 6,0$ from steel 50 Cr V4. Material group 3: $6,0 < t \leq 14,0$ from steel 50 Cr V4. Fatigue fractures can be largely prevented because the disc springs of material group 2 and 3 have machined edges. F = spring force in Newton at a deflection $s \approx 0,75 h_0$ ($h_0 = L_0 - t$). For the calculation of disc springs, see DIN 2092. Extensive technical data available on request.

Technical Specification

di (H12)	12.2
D (mm)	12.2
F	1170
l ₀	2.1
t	1
Thickness	1

Technical Drawing

