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Disc spring for critical applications Steel 50 Cr V4 Werkstoffnr. 1.8159 Phosphated 40X20,4X2,0MM

Article number	36450.420.020
Brand	-
UBB	950357384268
UNSPSC	31161811
EAN	8715492762481
PKG. of 25	Full Box Only

Technical Parameters

Diameter	20.4 mm
d_e	40
di	20.4
Material	Steel
Material technical	50 Cr V4 Werkstoffnr. 1.8159
Outer diameter	40
Surface treatment	Phosphated
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

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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 1,25 from steel Ck 67.Material group 2: 1,25 ≤ t ≤ 6,0 from steel 50 Cr V4.Material group 3: 6,0 t ≤ 14,0 from steel 50 Cr V4.Fatique 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 ≈ 0,75 ho(ho= Lo– t).For the calculation of disc springs, see DIN 2092.Extensive technical data available on request.

Technical Specification

di (H12)	20.4
D (mm)	20.4
F	5701
l0	3.1
t	2
Thickness	2

Technical Drawing

