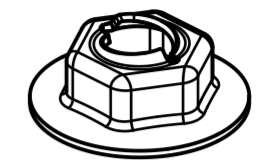


Recommendation for the bolt

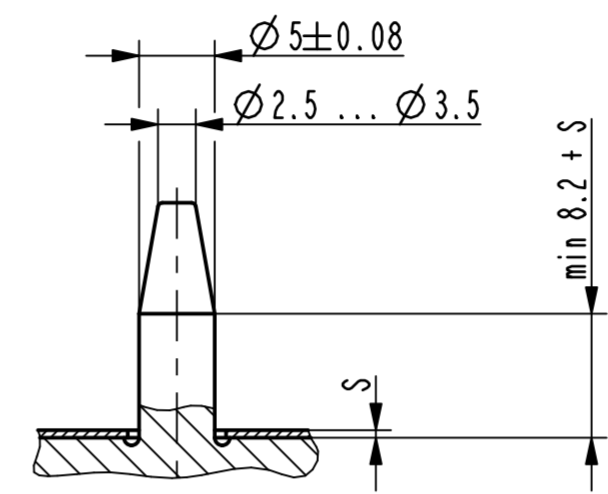
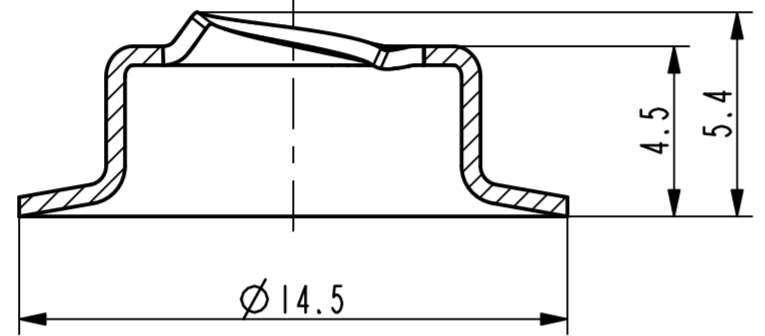
- surface hardness max. 490 N/mm²
- all dimensions and tolerances apply to surface treated bolt

Darstellung der Bolzenausfuehrungen

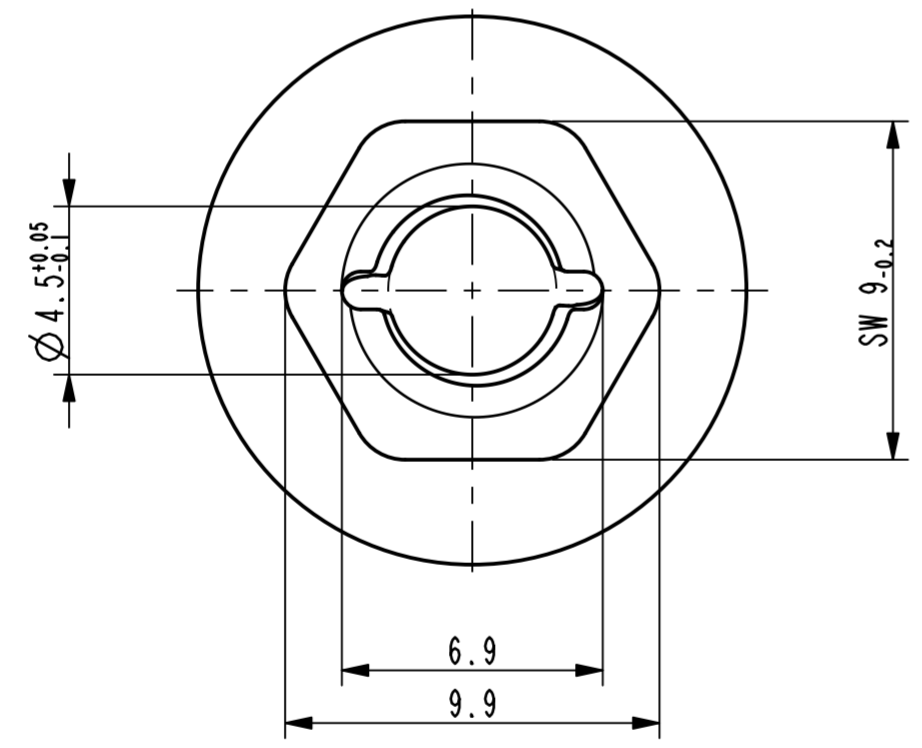
Zur Erzielung einer guten Montagewirksamkeit ist die Bolzenausbildung zu beachten. Die Oberflaechenhaerte der Bolzen sollte 490 N/mm² nicht ueberschreiten. Bei oberflaechenbehandelten Bolzen gelten die zulassigen Massabweichungen mit der Oberflaechenbehandlung.



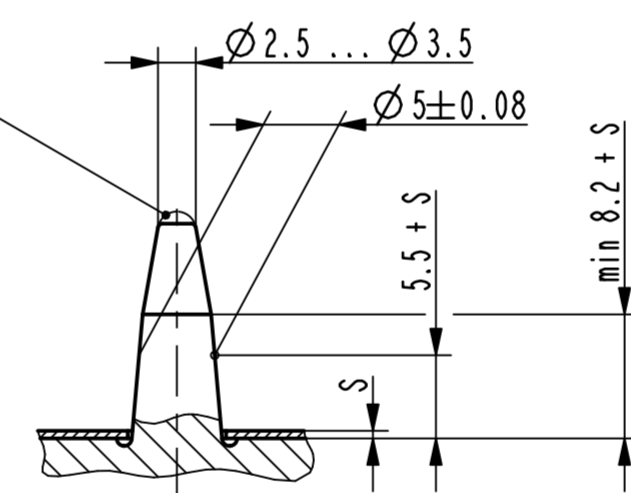
3D-Ansicht /
isometrical view
2:1



A) gedrehter Bolzen / turned bolt
2:1



Bolzenende kann auch als Kuppe ausgebildet sein /
tip form at the end of bolt permissible



B) Spritzguss Bolzen / injection casting bolt
2:1

Vor Auslegung einer automatisierten Verarbeitung des Teils sollte Ruecksprache mit Fa. A.Raymond gehalten werden. Fully automatic processing of the part requires prior consultation with A.Raymond GmbH.

Ac	1x	Oberflaechenvariante hinzugefuegt, entfernt (3000, 3600)	27.12.10	mj
Rev.	Anzahl/quality	Aenderungsbeschreibung / modification description	Datum/date	Name

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Ersatz fuer/ substitute for	012269.c.01/Ab/17.03.2008	Entw.Ref./ dev.ref.	Projekt-Nr./ project no.	
Maassstab/ scale	5:1	Format	A2	
Allgemeintoleranz/ general tolerance	±0.25	Datum/ date	27.12.2010	
Erstellt von/ prepared by	M. Junge	Freigegeben/ approved	20101227125847	
Blöckdichte/ met. thickness DIN EN 10140	0.50	Volumen/ volume (mm ³)	118.7	Gewicht/ weight (g) 1.0

Oberfl./ finish phosphatiert / impraegniert / phosphated / oiled
 Oberfl. Code/ finish code 5100

Werkstoffbehandl./ material treatment zwischenstufenverguetet / austempered 375 ... 475 HV 5

Werkstoff/ material C67S DIN EN 10132-4
 Met. code 1000

Bezeichnung/ title **Selbstschneidemutter fuer Bolzen Ø5 self tapping nut for bolt Ø5**

Teil-Nr./ part no. 012269-0-03
 Drawing type C:Customer

(AC)	012269-0-07	metallhaltige Korrosionsschutzbeschichtung, Farbe silber, GZ metallic corrosion protection coated, colour silver, lubricated	5452
	012269-0-06	metallhaltige Korrosionsschutzbeschichtung, Farbe schwarz metallic corrosion protection coated, colour black	5473
	012269-0-05	verzinkt / passiviert farblos zinc plated / passivated colourless	3250
	012269-0-04	metallhaltige Korrosionsschutzbeschichtung, Farbe silber metallic corrosion protection coated, colour silver	5412
Teil-Nr. / part no.		Oberflaechen / Farbe / finish / colour	Oberfl. Code/ finish code
Ausfuehrung / Execution			

Kundenteile-Nr. / customer part no. -
 Blatt / sheet 1 / 1
 CAD system & version ProE WF4
 Dateiname / filename 012269-0C00