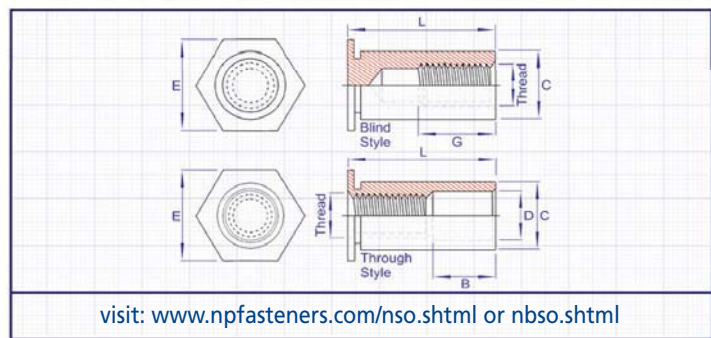


# THROUGH & BLIND HOLE STANDOFFS



visit: [www.npfasteners.com/nso.shtml](http://www.npfasteners.com/nso.shtml) or [nbso.shtml](http://www.npfasteners.com/nbso.shtml)

## TYPE NSO NBSO

Also available Type  
NTSO\* for installation  
into thin panels.



### SPECIFICATION

\*TO SPECIAL ORDER

Thread Size & Pitch	Min Sheet Thickness	Hole size +0.08 -0.0	C +0.0 -0.13	D	E	Min C/L to edge of panel
M3 x 0.5	1.02	4.22	4.2	3.2	4.8	6.0
5.4 M3 x 0.5	1.02	5.41	5.39	3.2	6.4	6.8
M3.5 x 0.6*	1.02	5.41	5.39	3.9	6.4	6.8
M4 x 0.7	1.27	7.14	7.12	4.8	7.9	8.0
M5 x 0.8	1.27	7.14	7.12	5.35	7.9	8.0

### Clear hole versions available to special order

#### STANDARD LENGTHS

Thread Size

'L' Length  $\pm 0.20$

M3	6	8	10	12	14	16	18	20	-
5.4 M3	6	8	10	12	14	16	18	20	-
M4	6	8	10	12	14	16	18	20	25
M5	6	8	10	12	14	16	18	20	25

Length 'mm'	6	8	10	12	14	16	18	20	22
Through Hole 'B Dim' $\pm 0.25$	-	-	4	-	6	8	-	10	12
Blind Hole 'G Dim' min	3.2	4	5	6.5	9.5				

### INFORMATION

#### FINISHES

Bright Zinc Trivalent Clear Passivate (ZI), (Other Platings Available To Special Order).

#### MATERIALS

Carbon Steel, 300 Series Stainless Steel (A2), (400 Series Stainless Steel (400) To Special Order), (Aluminium (AL) To Special Order).

#### PART NUMBER EXAMPLES

Type / Thread / Length / Finish =

NSO - M4 - 8 - ZI (Through Hole Standoff, M4 x 8mm, Steel, BZP)

Type / Thread / Length / Finish =

NBSO - M4 - 10 - A2 (Blind Standoff, M4 x 10mm, Stainless Steel)

#### NOTES

The following installation panel material hardness limitations apply when installing Self Clinching Standoffs.  
Steel Clinch Standoffs: 80HRB Max, 300 series Stainless Steel Clinch Standoffs: 70HRB Max, 400 series Stainless Steel Clinch Standoffs: 88HRB Max, Aluminium Clinch Standoffs 50HRB Max.

**For detailed installation guides and performance data visit [www.npfasteners.com](http://www.npfasteners.com)**