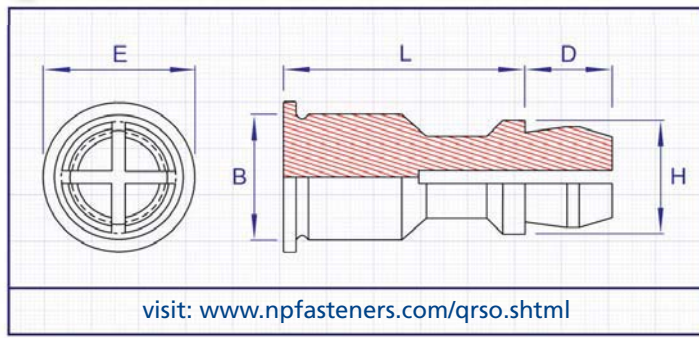


QUICK RELEASE STANDOFFS



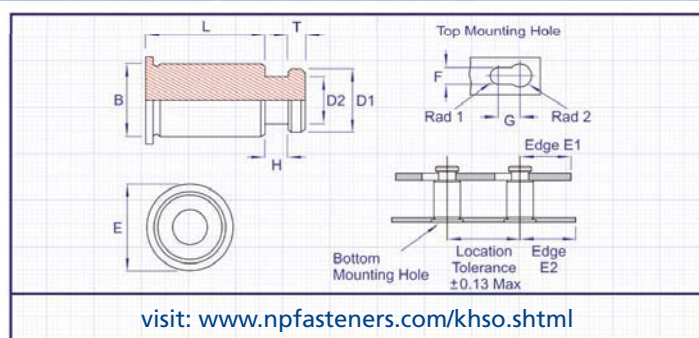
SPECIFICATION **QUICK RELEASE STANDOFFS ARE TO SPECIAL ORDER ONLY.**

Mounting Hole in Top Panel ±0.08	Mounting Hole in bottom Panel ±0.08	Thickness range for top panel	Minimum sheet Thickness bottom panel	H ± 0.13	D ± 0.13	E ± 0.13	B Max
4mm	5.40	1 - 1.8	1.0	4.77	3.58	6.35	5.38
Length (L) ± 0.13	8	10	12	14	16	18	20

INFORMATION

<p>MATERIALS Carbon Steel, 300 Series Stainless Steel, Aluminium (AL).</p>	<p>FINISHES Bright Zinc Trivalent Clear passivated (ZI).</p>	<p>PART NUMBER EXAMPLE Type / 4mm / Length / Finish = QRSO - 4mm - 10 - A2 (Quick Release Standoff, 4mm x 10mm, Stainless)</p>
---	---	---

KEYHOLE STANDOFFS



SPECIFICATION **KEYHOLE STANDOFFS ARE TO SPECIAL ORDER ONLY.**

E Nom	B Max	D1 +/- 0.08	D2 +/- 0.08	H Max	T +/- 0.08	Anvil Hole +/- 0.08	L +/- 0.13									
6.35	5.38	4.50	2.50	1.72	1.03	5.50	6	8	10	12	14	16	18	20	22	

Bottom Panel			Top Panel					Material	Thickness Range	Minimum C/L to Edge E1
Bottom Mounting Hole +0.08 -0.0	Minimum Panel Thickness	Minimum C/L to Edge E2	Top Mounting Hole			G Min				
			Rad1 Nom	Rad2 ± 0.08	F ± 0.08					
5.4	1.0	6.6	1.5	5.0	3	3.75	Metal Or PCB	1.45 - 1.62	4.1	

INFORMATION

<p>MATERIALS 300 Series Stainless Steel (A2), (Carbon Steel To Special Order), (Aluminium (AL) To Special Order).</p>	<p>FINISHES Bright Zinc Trivalent Clear Passivate (ZI).</p>	<p>NOTES Maximum hardness of parent material : Steel parts - 80HRB: Stainless Steel parts - 70HRB : Aluminium parts - 50HRB. Please note that Stainless Steel parts cannot usually be successfully installed into Stainless Steel Sheet. (See Self Clinch technical notes page for further details).</p>
<p>PART NUMBER EXAMPLE Type / 61.5 / Length / Finish = KHSO - 61.5 - 10 - ZI (Key Hole Standoff, 61.5x10mm, Steel, BZP)</p>		

For detailed installation guides and performance data visit www.npfasteners.com

SELF CLINCHING FASTENERS