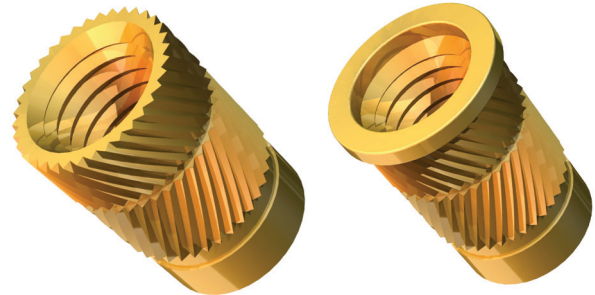
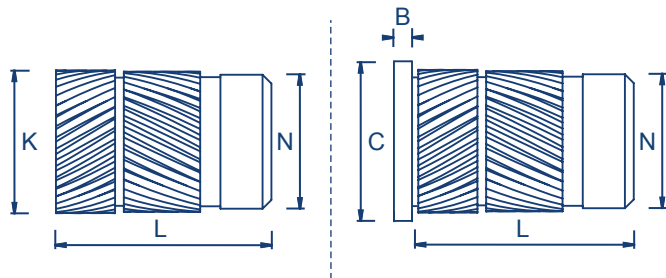


Sonic-Sert™

Unheaded (UHBRSO) Headed (HEBRSO)



Brass/Self Colour



Unheaded (UHBRSO) Headed (HEBRSO) Metric and Unified Dimensions

Thread size	Metric	M2*	M2.5*	M3	M3.5	M4	M5	M6	M8*	M10*
	Unified	2*	-	4*	6*	8*	10*	¼**	5/16**	3/8**
L mm		4.0	5.7	5.7	7.1	8.1	9.5	12.7	12.7	12.7
K mm		3.6	4.6	4.6	5.4	6.3	7.1	8.7	10.2	12.6
B mm		0.53	0.61	0.61	0.76	0.91	1.09	1.35	1.35	1.60
C mm		4.8	5.5	5.5	6.4	7.1	7.9	9.5	11.1	14.0
N mm		3.1	3.9	3.9	4.7	5.5	6.3	7.9	9.5	11.8
Recommended Hole Size mm (-0.0/+0.1)		3.2	4.0	4.0	4.8	5.6	6.4	8.0	9.6	11.9
Minimum Wall Thickness mm		1.3	1.6	1.6	1.8	2.1	2.6	3.3	4.5	6.0

*Non preferred - Please enquire for availability
Non standard lengths and stud versions available on request

Sonic-Sert™ Information for designers

The Sonic-Sert™ has been designed for post mould installation into thermoplastics using heat or ultrasonics with the opposing knurls providing a combination of high pull out and torque resistance.

Advantages:

- Rapid installation
- Allows for thin walls in the boss
- High pull out and torque resistance

Installation Data

The Sonic-Sert™ is installed using either heat or ultrasonics.

Heat Installation

Where heat is used you must ensure that the insert softens, but does not melt the plastic, which helps avoid flash forming around the top of the insert.

Ultrasonic Installation

Ultrasonic installation works best with low amplitude vibrations and enough power to soften the surrounding plastic.

Care should be taken to avoid excessive downward pressure being applied during installation which can result in the insert being forced into the hole rather than allowing the plastic to soften around it.