
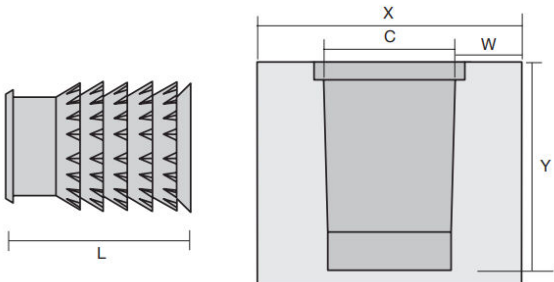


Design Guidelines

Inserts

ONKENHOUT MULTISERT – MESSING insert for plastics

- Material: Messing Brass BS EN 12164CW 614N
- Thread: Metrisch Metric
- Assembly method: Inpersen Cold press

						
Thread	Type ¹⁾	Diameter C ²⁾ [mm]	Dimensions [mm]			
			L	Y	X	W
M3	A	4.0	5.2	5.3	7.4	1.7
M3	B	4.0	4.1	4.2	7.4	1.7
M4	A	5.7	8.5	8.6	10.9	2.5
M4	B	5.7	5.6	5.8	10.9	2.5
M5	A	6.3	10.1	10.2	12.2	2.85
M5	B	6.3	6.6	6.8	12.2	2.85
M6	A	8.0	12.3	12.5	14.6	3.2
M6	B	8.0	7.7	7.9	14.6	3.2
M8	A	10.4	13.8	14.0	19.1	4.25
M8	B	10.4	8.3	8.9	19.1	4.25
M10	A	12.8	16.1	16.3	23.2	5.10

Please note, direct access to the hole is required to be able to place the insert.

¹⁾ Type A = long version, Type B = short version.

²⁾ Required hole diameter for 3D printed part.

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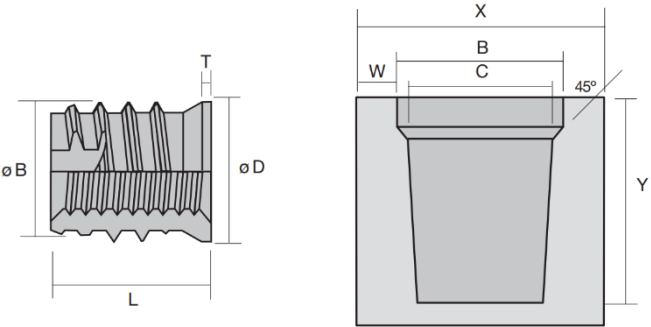
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Design Guidelines

Inserts

ONKENHOUT TRISERT – RVS A4 insert for plastics

- Material: RVS A4 (316) SS 316
- Thread: Metrisch Metric
- Assembly method: Inschroeven Screw in

									
Thread	Type	Diameter C ³⁾ [mm]	Dimensions [mm]						
			L	B	D	T	Y	X	W
M3	137116	4.3	5.25	4.73	4.70	0.38	5.80	7.70	1.65
M4	138851	6.0	7.10	6.31	6.30	0.38	7.90	10.70	2.30
M5	137117	7.1	8.40	7.50	7.50	0.40	9.30	12.60	2.70
M6	138852	8.2	9.80	8.69	8.60	0.45	10.80	14.70	3.15
M8	137255	10.4	12.40	11.06	11.10	0.50	13.70	18.60	4.00

Please note, direct access to the hole is required to be able to place the insert.

³⁾ Required hole diameter for 3D printed part.

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Design Guidelines

Ruimen // Reaming

WÜRTH NC-MACHINE REAMER H7

	Diameter [mm]	Tolerance ⁴⁾	Hole diameter ⁵⁾ [mm]	Max. depth [mm]
	Ø 3.0	H7	2.8	15
	Ø 4.0	H7	3.8	19
	Ø 5.0	H7	4.8	23
	Ø 6.0	H7	5.7	26
	Ø 8.0	H7	7.7	33

Please note, direct access to the hole is required to execute reaming.

⁴⁾ Tolerance of H7 is valid for the used tooling. Reaming is manual work, resulting diameter can slightly differ from H7. We do not deburr the edges.

⁵⁾ Required hole diameter for 3D printed part.

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