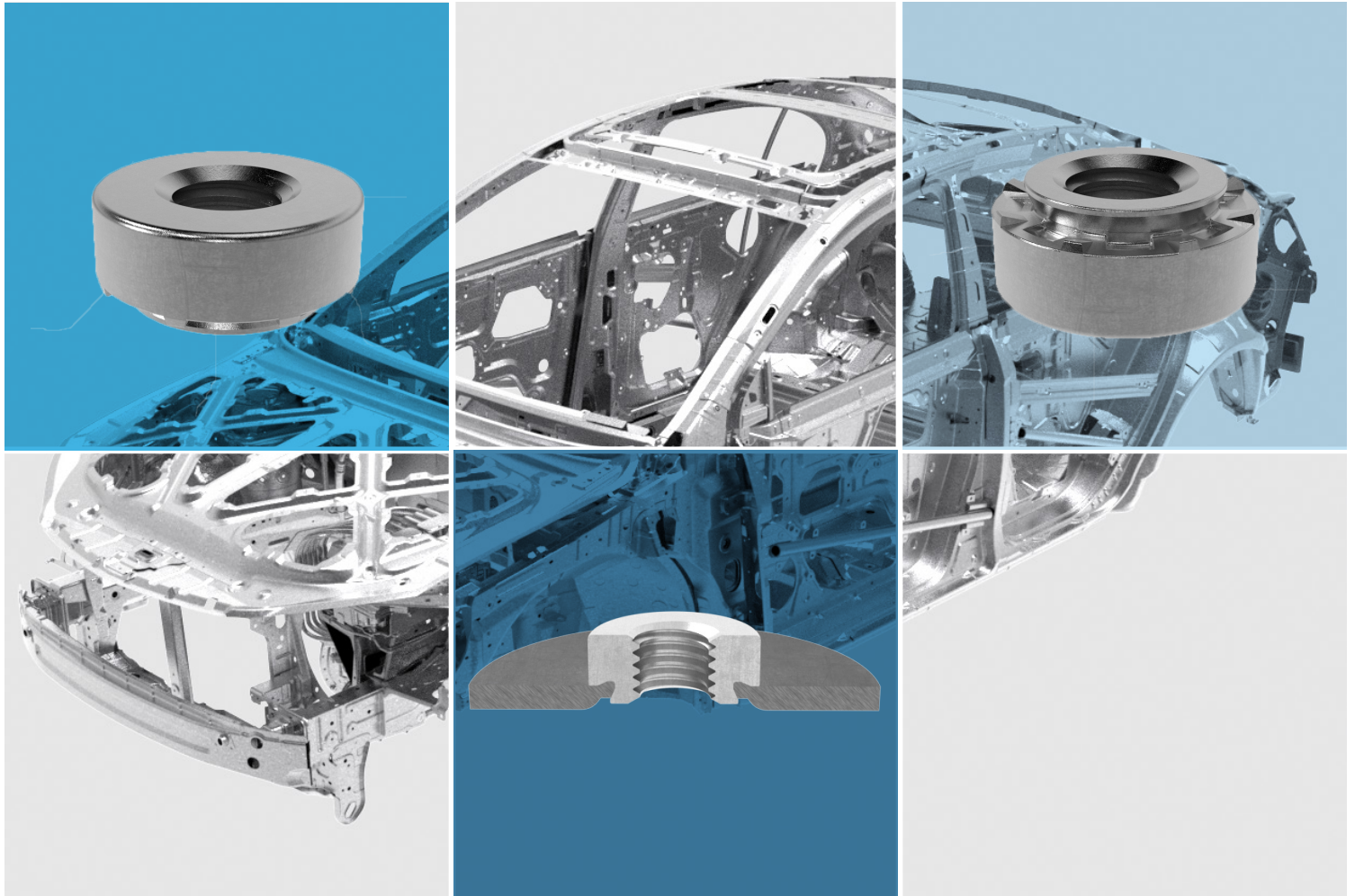


PROFIL MHD® Clinch Nut



Your System Supplier for **M**echanically **A**ttached **F**asteners (**MAF**)

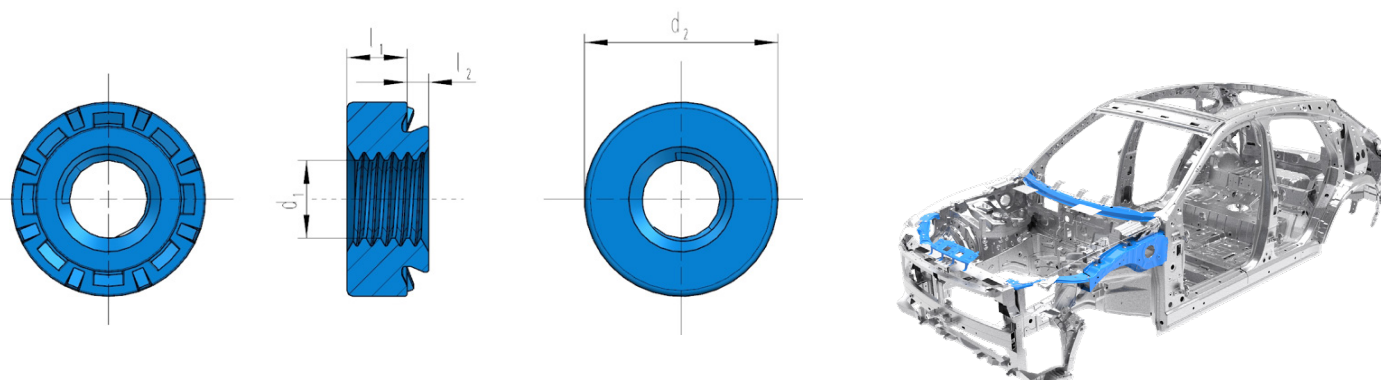


Scan QR code for more information

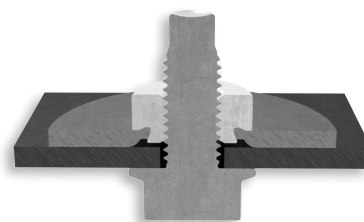
PROFIL MHD® Clinch Nut

Technical Product Data Sheet

Thread size	M5 to M12
Thread tolerance	6G 6H
Property class	8 or 10
Panel thickness	From 0.8 mm to 3.5 mm
Panel tensile strength	Up to 900 MPa (Class 8 Nut) up to 1200 MPa (Class 10 Nut)
Panel preparation	Pre-pierced and pre-formed
Geometrically conforming to	DIN EN ISO 898-2:2023-02
Surface coating	OEM approved
Watertightness	Leak rate < $5 \cdot 10^{-3}$ mbar • l/s (IP67)
Thread repair	Repairable with standard wire thread inserts
Torque-out resistance	High
Push-out resistance	Very high
Installation methods available	Fully automated in die, Body in White (BIW), Manual



Body	MHD05	MHD06	MHD08	MHD10	MHD12
Thread d ₁	M5	M6	M8	M10	M12
Panel thickness [mm]	2.0 to 2.7	2.0 to 5.1	2.0 to 3.5	2.0 to 3.5	1.9 to 2.5
d ₁ [mm]	13.5	13.5	16.6	19.7	25.0
l ₁ [mm]	3.8	3.8	5.2	6.6	8.1
l ₂ [mm]	2.0	1.4 to 4.25	2.0 to 2.65	1.4 to 3.5	1.9



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