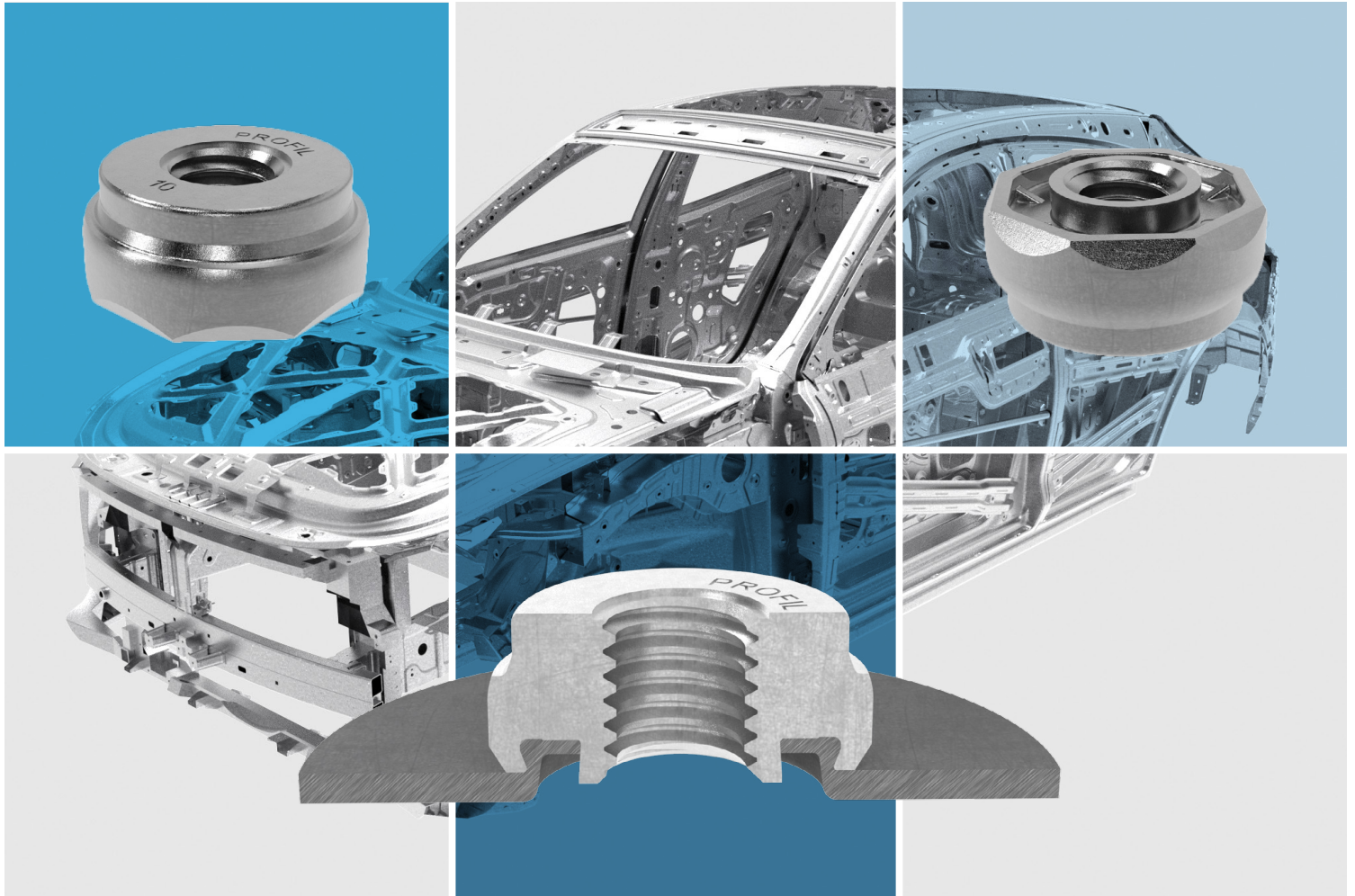
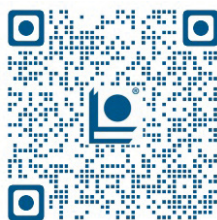


PROFIL SMA® Clinch Nut



Your System Supplier for **Mechanically Attached Fasteners (MAF)**

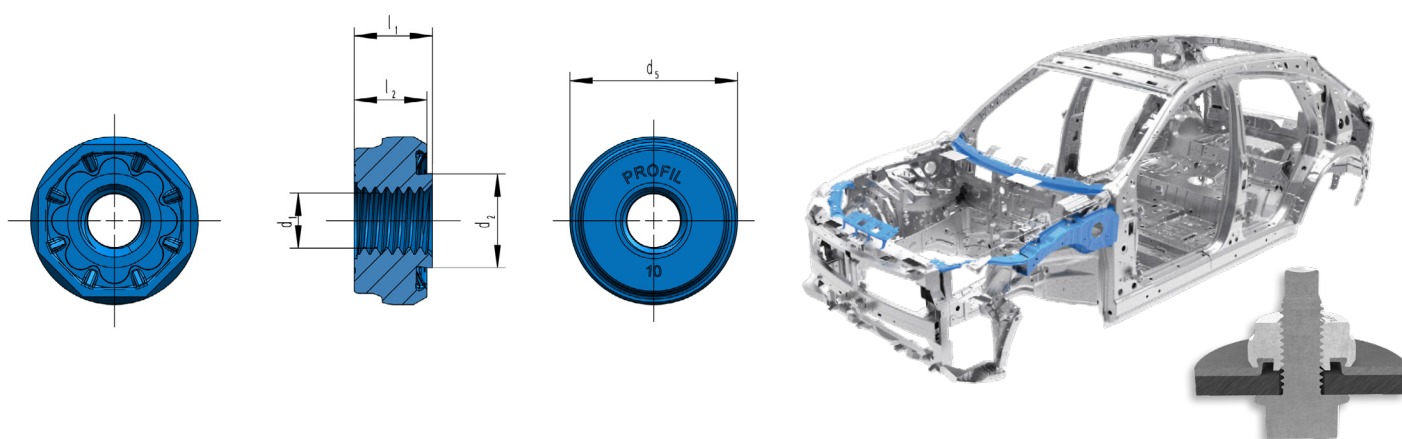


Scan QR code for more information

PROFIL SMA® Clinch Nut

Technical Product Data Sheet

Thread size	M5 to M10
Thread tolerance	6G 6H
Property class	10
Panel thickness	From 0.6 mm to 3.0 mm
Panel tensile strength	Up to approx. 500 MPa
Panel preparation	Not required (self-piercing fastener)
Geometrically conforming to	DIN EN ISO 898-2:2023-02
Surface coating	OEM approved
Watertightness	Leak rate < 5 • 10 ⁻⁴ mbar • l/s (IPX7)
Thread repair	Repairable with standard wire thread inserts
Torque-out resistance	High
Push-out resistance	High
Installation methods available	Fully automated in die, Body In White (BIW), Manual



Body	SMA05		SMA06		SMA08		SMA10	
Thread	M5		M6		M8		M10	
Pitch	0.8		1.0		1.25		1.5	
Panel thickness [mm]	0.6 to 1.55	1.6 to 2.4	0.6 to 1.55	1.6 to 2.4	0.6 to 1.55	1.6 to 2.4	1.0 to 1.95	2.0 to 3.0
d ₂ [mm]	7.6	8.4	8.4		10.2		13.4	
d ₅ [mm]	15		15		18.3		23	
l ₁ [mm]	6.1	7.4	6.6	7.4	7.7	8.5	10.1	11.1
l ₂ [mm]	5.6	6.1	6.1		7.2		9.3	

PROFIL System Inc.
 5331 Dixie Highway
 Waterford, MI 48329 USA
 Tel: +1 248 599 3700
 Email:
sales.profil.na@pemnet.com

PROFIL Verbindungstechnik
 GmbH & Co. KG
 Otto-Hahn-Straße 22 - 24
 61381 Friedrichsdorf DE
 Tel: +49 (0) 61 75 / 79 90
 Email: info@profil.eu

PROFIL China
 1895 West Zhonghuayuan Road
 Kunshan New District
 Jiangsu Prov. 215300 China
 Tel: +86 512-5035-9080
 email: info@profil.eu