

Electrical Routing Catalog





ITW Automotive, a global industrial manufacturer

Unlocking new possibilities, together



We partner with global OEMs & Tier suppliers to co-create smart fastening solutions that shape the future of mobility. With over 100 years of engineering expertise, we deliver innovation and performance — from concept to production.

Innovation Starts with You



Every solution begins with a real-world challenge. Through close collaboration, we design fastening technologies that solve problems with precision — supporting safety, comfort, and functionality across the vehicle.

Driving a Greener Future



Sustainability is built into everything we do. From responsible materials to energy-efficient manufacturing, we reduce our footprint while helping customers build lighter, cleaner, and more efficient vehicles.

Your partner in Routing Management



The automotive wire harness industry is rapidly evolving with electrification, automation, and sustainability at the forefront. **Zonal architecture** simplifies cable management, while **ADAS** and automation boost safety and efficiency. **Eco-friendly materials** are becoming the norm, and optical fibers enable faster data and better EMI control. Gigacasting is reshaping vehicle design, demanding smarter, more flexible routing solutions.

Engineered for the Future of Mobility.

Our electrical routing fastening solutions are built to meet these new demands with precision and performance:



NVH optimization for quieter, smoother rides



2K sealing products ensuring water tightness and electronics protection



Toolless, lightweight designs reducing labor and cost



Automation-ready features streamlining production



Traceable fasteners for accurate, quality-controlled assembly

We help customers stay ahead – enhancing efficiency, safety, and sustainability.



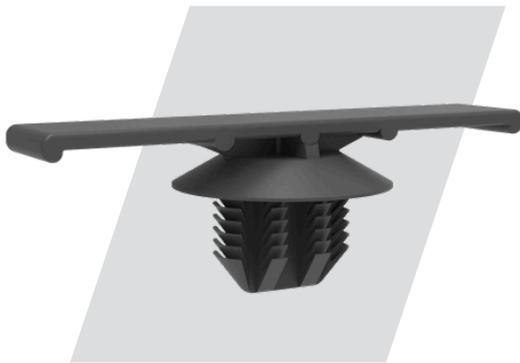
Connect with our experts & learn how our solutions can simplify your engineering challenges, enhance your assembly processes, and drive superior performance.

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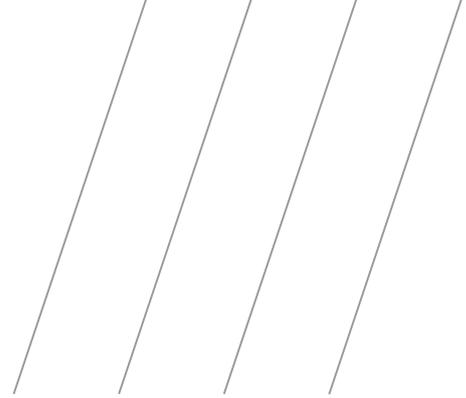
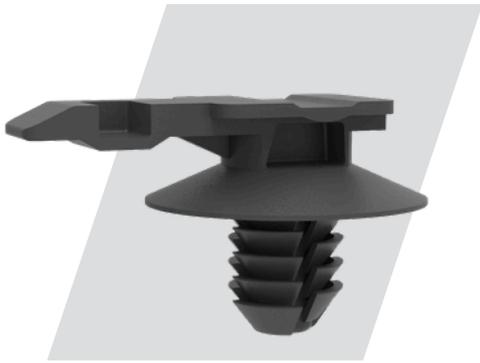
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Round hole

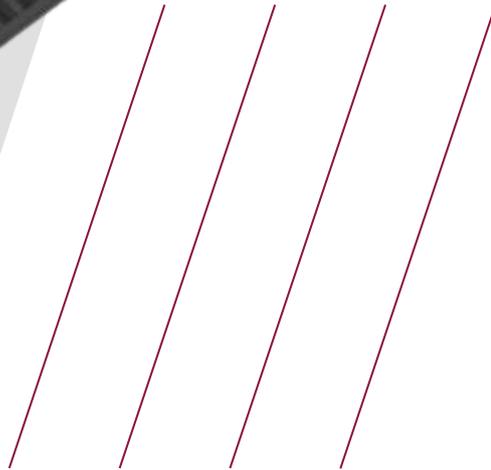
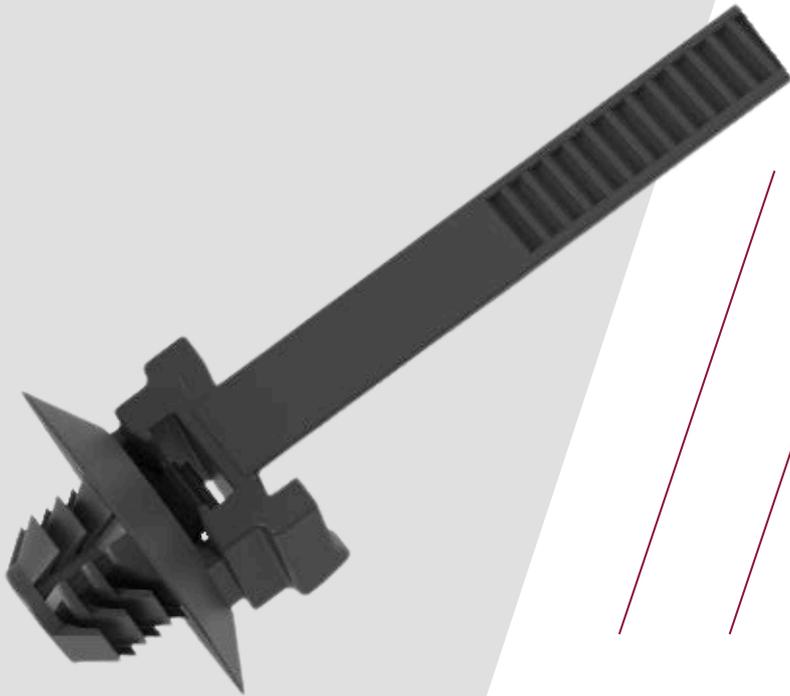
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Cable Strap

Practical and durable solutions for securing and routing wiring harnesses. Designed for easy assembly on production lines, our cable straps help you organize and protect wiring systems, even in environments with high vibration and temperature. They deliver reliable performance throughout the vehicle's lifecycle, ensuring safety and stability where it matters most.

Key features



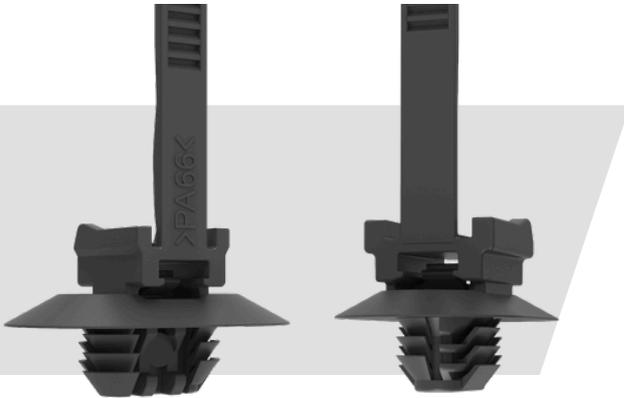
Robust performance
under vibration, heat, and harsh automotive conditions.



Quick and efficient assembly
for streamlined production processes.

Cable Strap

Oblong Hole



Type (1)

Type (2)
Perpendicular



Type (3)

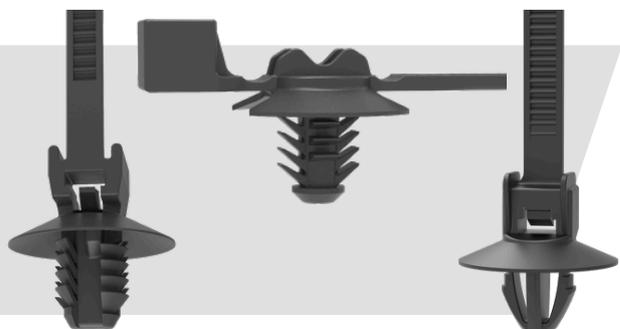
Type (4)
Sealing function

ITW Part Number (Type)	Part Description	Interface	Interface Dimension (mm)	Sheet Thickness (mm)	Wiring Harness (mm)
306133 (1)	Cable Strap	Oblong Hole	6,20x12,20 / 7,00x12,00	0,65 - 3,00	Ø 1,5 - 25
300043 (1)	Cable Strap	Oblong Hole	6,20x12,20 / 7,00x12,00	0,65 - 3,00	Ø 1,5 - 32
396010 (2)	Cable Strap	Oblong Hole	6,20x12,20 / 7,00x12,00	0,67 - 3,00	Ø 1,5 - 32
10418 (3)	Cable Strap	Oblong Hole	6,20 x 12,20	0,60 - 6,75	Ø 1,5 - 50
317345 (2)	Cable Strap	Oblong Hole	6,20x12,20 / 7,00x12,00	0,67 - 3,00	Ø 1,5 - 32
310005 (4)	2K Sealed Cable Strap	Oblong Hole	6,20 x 12,20	0,50 - 1,20	Ø 1,5 - 26
305119 (4)	2K Sealed Cable Strap	Oblong Hole	6,20 x 12,20	0,70 - 1,20	Ø 1,5 - 26
398002 (2)	Cable Strap	Oblong Hole	6,20 x 12,20	0,67 - 3,00	Ø 1,5 - 45

Main materials: PA66, PA6, PA46, PP, POM, 2K...

Cable Strap

Round Hole



Type (1)

Type (2)

Type (3)



Type (4)

Type (5)
Sealing function

ITW Part Number (Type)	Part Description	Interface	Interface Dimension (mm)	Sheet Thickness (mm)	Wiring Harness (mm)
307124 (1)	Cable Strap	Round Hole	5,20 & M6	0,70 - 3,00	Ø 1,5 - 30
3434093 (5)	2K Sealed Cable Strap	Round Hole	6.5	0,50 – 1,80	Ø 1,5 - 26
300137 (1)	Cable Strap	Round Hole	6,50 & M8	0,67 - 3,00	Ø 1,5 - 32
09363 (3)	Cable Strap	Round Hole	6.5	0,70 - 3,00	Ø 1,5 - 35
08921 (2)	Cable Strap	Round Hole	6.5	0,70 - 3,50	Ø 5,0 - 45
317311 (1)	Cable Strap	Round Hole	6,50 & M8	0,50 - 3,00	Ø 2,0 - 35
09988 (1)	Cable Strap	Round Hole	6.5	0,60 - 3,00	Ø 1,5 - 35
310012 (3)	Cable Strap	Round Hole	6.5	0,60 - 3,00	Ø 3,2 - 25
11018 (4)	Cable Strap	Round Hole	8	0,60 - 2,00	Ø 1,5 - 35
09085 (3)	Cable Strap	Round Hole	8	0,70 - 3,50	Ø 1,0 - 45
11016 (4)	Cable Strap	Round Hole	6.5	0,60 - 2,00	Ø 1,5 - 35
09985 (3)	Cable Strap	Round Hole	6.5	0,70 - 3,50	Ø 5,0 - 40

Main materials: PA66, PA6, PA46, PP, POM, 2K...

Cable Strap

On Stud



Type (1)



Type (2)



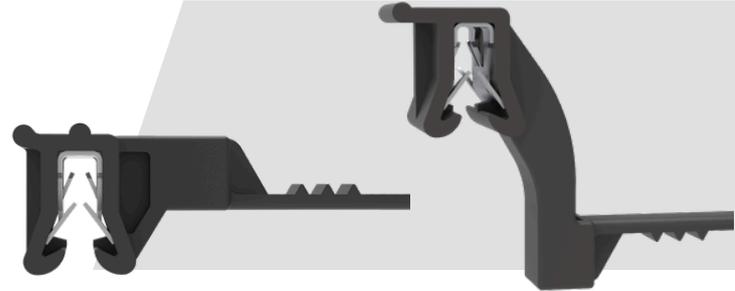
Type (3)

ITW Part Number (Type)	Part Description	Interface	Interface Dimension (mm)	Sheet Thickness (mm)	Wiring Harness (mm)
09076 (1)	Cable Strap	On Stud	T5	NA	Ø 5,0 - 45
09292 (2)	Cable Strap	On Stud	T5	NA	Ø 5,0 - 42
09932 (3)	Cable Strap	On Stud	T5 or T6	NA	Ø 9,0 - 34
10212 (1)	Cable Strap	On Stud	M8	NA	Ø 1,0 - 35
09760 (1)	Cable Strap	On Stud	T5	NA	Ø 5,0 - 45
11305 (3)	Cable Strap	On Stud	T5 or T6	NA	Ø 4,0 - 25

Main materials: PA66, PA6, PA46, PP, POM, 2K...

Cable Strap

On Edge



Type (1)
Perpendicular

Type (2)

Type (3)

Type (4)

ITW Part Number (Type)	Part Description	Interface	Interface Dimension (mm)	Sheet Thickness (mm)	Wiring Harness (mm)
09451 (3)	Cable Strap	On Edge (Rib)	NA	0,70 - 2,50	Ø 5,0 - 40
10243 (4)	Cable Strap	On Edge (Rib)	NA	0,70 - 2,50	Ø 5,0 - 45
307019 (2)	Cable Strap	On Edge (Rib)	NA	1,00 - 3,00	Ø 1,5 - 40
307017 (1)	Cable Strap	On Edge (Rib)	NA	1,00 - 3,00	Ø 1,5 - 40

Main materials: PA66, PA6, PA46, PP, POM, 2K...

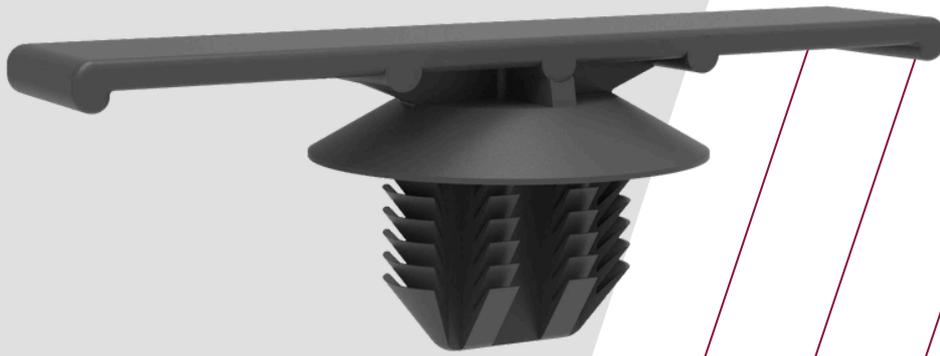
Cable Strap

In Air



ITW Part Number	Part Description	Interface	Interface Dimension (mm)	Sheet Thickness (mm)	Wiring Harness (mm)
10771	Cable Strap Air	Wiring/Pipe	NA	NA	Ø 4,0 - 45
318122	Cable Strap Air	Wiring/Pipe	NA	NA	Ø 2,3 - 35
318123	Cable Strap Air	Wiring/Pipe	NA	NA	Ø 2,3 - 50
318124	Cable Strap Air	Wiring/Pipe	NA	NA	Ø 3,0 - 45
10769	Cable Strap Air	Wiring/Pipe	NA	NA	Ø 4,0 - 76
10875	Cable Strap Air	Wiring/Pipe	NA	NA	Ø 1,0 - 20

Main materials: PA66, PA6, PA46, PP, POM, 2K...



Tape-On Locator

Lightweight and compact fasteners for positioning cables and harnesses where mechanical fixation is not possible.

They offer secure adhesion, design flexibility, and weight reduction, helping you meet the demanding requirements of modern automotive design.

Key features



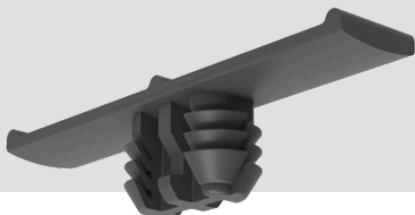
Lightweight & Compact design
enabling flexibility in harness routing.



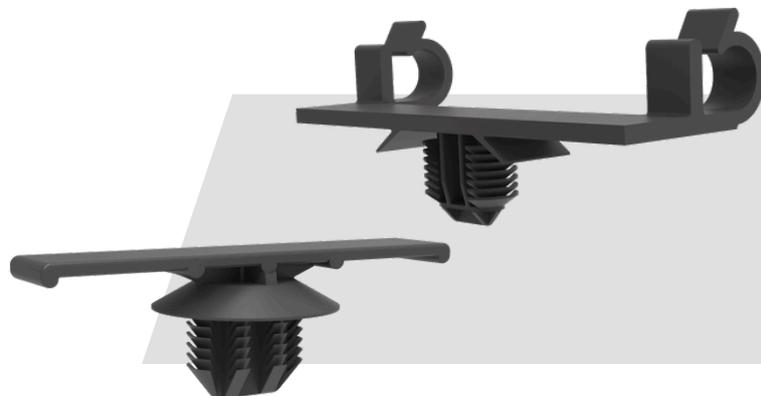
Space optimization
ideal for space-constrained or non-mechanical mounting areas.

Tape-On Locator

Oblong Hole



Type (1)



Type (2)

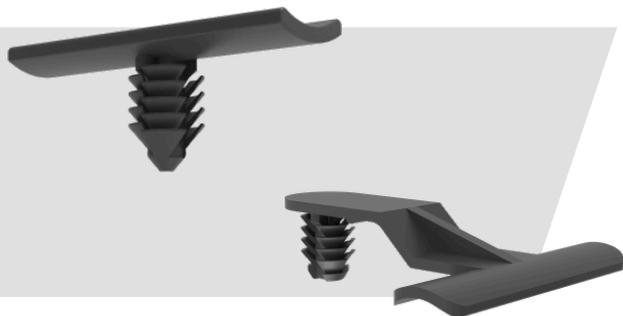
Type (3)

ITW Part Number (Type)	Part Description	Interface	Interface Dimension (mm)	Sheet Thickness (mm)
303123 (1)	Tape-on Locator	Oblong Hole	6,20 x 12,20 / 7,00x12,00	0,67 - 3,00
302D82 (2)	Tape-on Locator	Oblong Hole	6,20x12,20 / 7,00x12,00	0,70 - 4,00
10300 (3)	Tape-on Locator	Oblong Hole	6,20 x 12,20	0,67 - 3,00
321008 (1)	Tape-on Locator	Oblong Hole	6,20 x 12,20	0,70 - 4,00

Main materials: PA66, PA6, PA46, PP, POM, 2K...

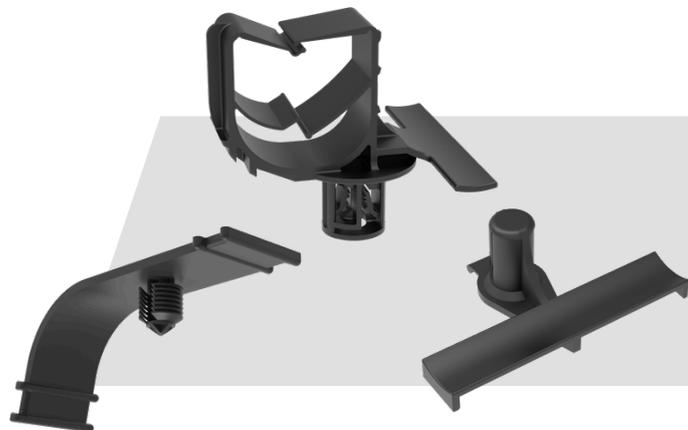
Tape-On Locator

Round Hole / On Stud



Type (1)

Type (2)



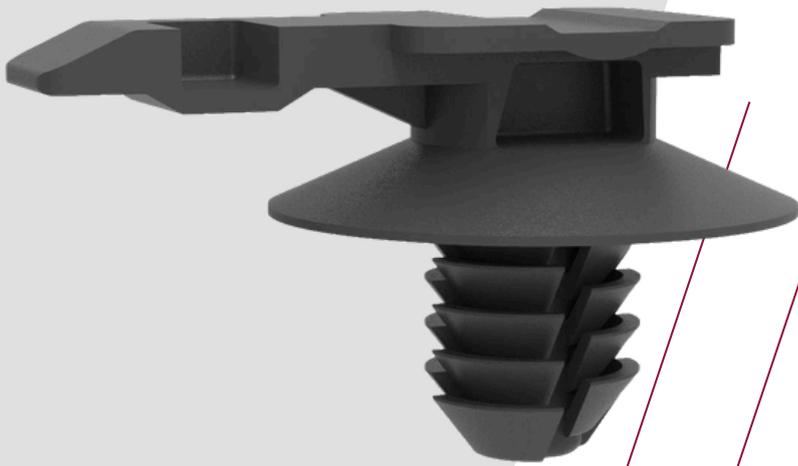
Type (3)

Type (4)

Type (5)

ITW Part Number (Type)	Part Description	Interface	Interface Dimension (mm)	Sheet Thickness (mm)
318029 (2)	Tape-on Locator	Round Hole	6.5	0,70 - 4,00
300045 (1)	Tape-on Locator	Round Hole	6.5	0,60 - 5,10
10157 (3)	Tape-on Locator	Round Hole	8	0,70 - 5,00
647558 (2)	Tape-on Locator	Round Hole	6.5	0,70 - 5,00
10207 (3)	Tape-on Locator	Round Hole	6.5	0,70 - 4,00
10203 (2)	Tape-on Locator	Round Hole	6.5	0,60 - 5,00
08926 (2)	Tape-on Locator	Round Hole	8	0,70 - 2,00
396074 (1)	Tape-on Locator	Round Hole	6.7	0,70 - 2,00
10245 (3)	Tape-on Locator	Round Hole	6.5	0,70 - 4,00
08390 (1)	Tape-on Locator	Round Hole	6.5	0,70 - 2,00
314018 (4)	Tape-on Locator	On Stud	T6	NA
390107 (5)	Tape-on Locator	On Stud	T5	NA

Main materials: PA66, PA6, PA46, PP, POM, 2K...



Connector Clip

Our connector clips are designed to lock electrical connectors with precision and strength. They ensure stability against vibration, support easy & efficient assembly, and are compatibility with a wide range of automotive connectors. Available in various geometries and materials, they guarantee electrical and mechanical reliability throughout the vehicle's lifecycle.

Key features



Secure connector retention
ensuring stability against vibration and movement.



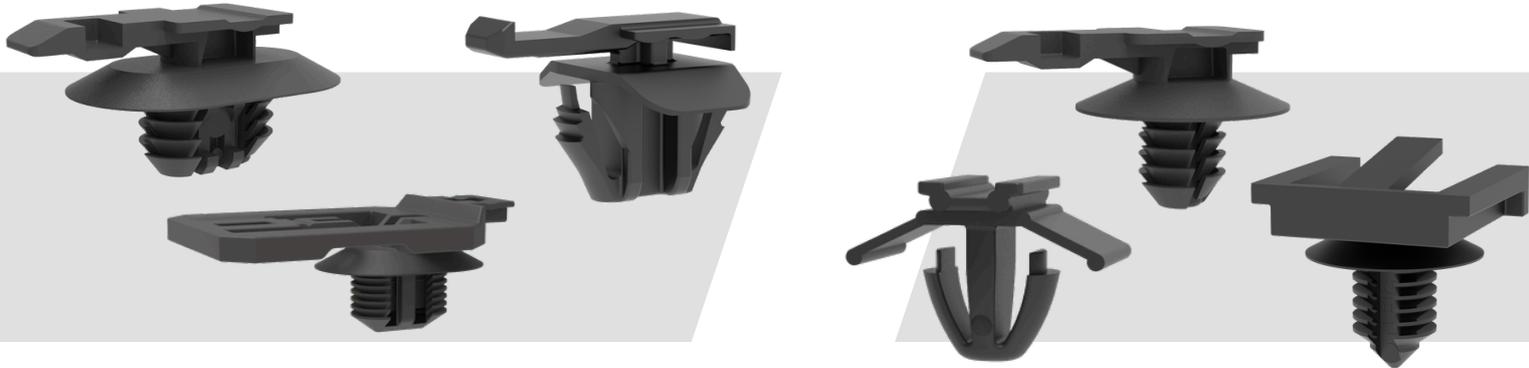
Design versatility
with multiple geometries and material options.



Durable performance
supporting electrical and mechanical reliability over time.

Connector Clip

Oblong Hole / Round Hole



Type (1)

Type (2)

Type (3)

Type (4)

Type (5)

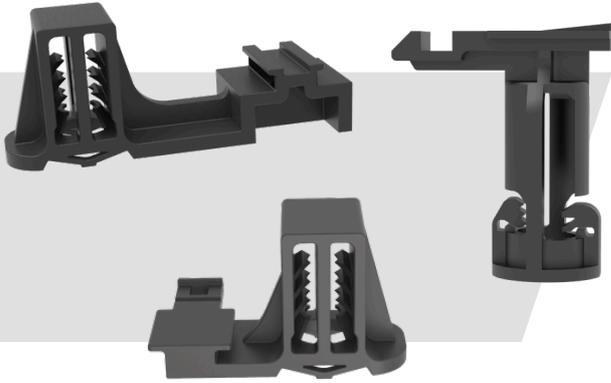
Type (6)

ITW Part Number (Type)	Part Description	Interface	Interface Dimension (mm)	Sheet Thickness (mm)
304134 (1)	Connector Clip	Oblong Hole	6,20 x 12,20	0,70 - 4,00
10208 (2)	Connector Clip	Oblong Hole	6,20 x 12,20	0,67 - 4,00
311048 (1)	High Connector Clip	Oblong Hole	6,20 x 12,20	0,70 - 4,00
315081 (3)	Connector Clip	Oblong Hole	6,20 x 12,20	0,70 - 4,00
308056 (1)	2K Sealed Connector Clip	Oblong Hole	6,20 x 12,20	0,70 - 1,20
09893 (4)	Connector Clip	Round Hole	6.5	0,80 - 3,00
10934 (6)	Connector Clip	Round Hole	6.5	0,70 - 5,00
10845 (4)	Connector Clip	Round Hole	8.0	1,20 - 3,00
304133 (5)	Connector Clip	Round Hole	6.5	0,70 - 5,50

Main materials: PA66, PA6, PA46, PP, POM, 2K...

Connector Clip

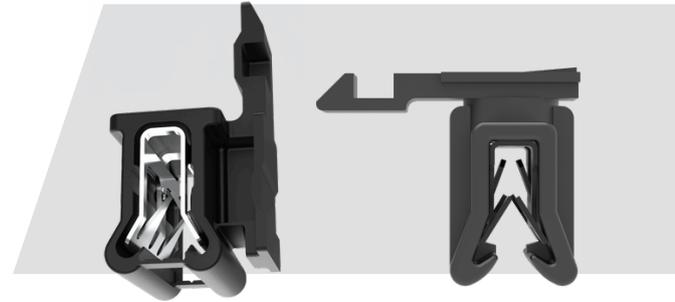
On Stud / On Edge



Type (1)

Type (2)

Type (3)



Type (4)

Type (5)

ITW Part Number (Type)	Part Description	Interface	Interface Dimension (mm)	Sheet Thickness (mm)
10129 (1)	Connector Clip	On Stud	T5	NA
321017 (3)	Connector Clip	On Stud	T5	NA
10346 (2)	Connector Clip	On Stud	T5	NA
319185 (5)	Connector Clip	On Edge (Rib)	NA	0,64 - 3,00
320235 (4)	Connector Clip	On Edge (Rib)	NA	1,50 - 2,50
307133 (4)	Connector Clip	On Edge (Rib)	NA	1,00 - 3,00

Main materials: PA66, PA6, PA46, PP, POM, 2K...

Global reach with a local touch

Your Global Partner in Fastening Solutions.



With presence around the world, we pair our global perspective with a local understanding to deliver top-tier services, high-volume supply, and on-site support – so you can move your business forward.

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