TE Connectivity P-Clamp

Enabling Next Generation Assembly

Quick Install, Flexible Design, Ergonomic

- *The new "tool-free" standard in wire and cable management*
- *Military, Aerospace, Industrial applications*

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QUICK

- Faster installation time than standard AS21919 P-Clamps
- Quick-lock feature allows operators to quickly open and close the clamp as needed
- Minimizes risk of FOD with hardware free locking mechanism

FLEXIBLE

- Separate mounting and clamping features allow flexible and modular assembly processes
- Highly engineered PEEK material maintains strength of metal without the weight
- 10 TE P-Clamp sizes cover the same range as 21 standard AS21919 P-Clamp sizes
- Weight savings opportunities compared to standard AS21919 P-Clamps

ERGONOMIC

- Tool-less lock and unlock feature enables quick and comfortable harness installation and rework
- Operator comfort leads to faster cycle times

Reduce Applied Cost

TE Connectivity (TE) P-Clamp provides a light, fast, and efficient solution to mounting cable harnesses. (10) TE P-Clamp sizes cover the full cable diameter range of (21) AS21919 P-Clamp sizes. Faster install times and lighter weight, give TE P-Clamps a lower applied cost than standard AS21919 P-Clamps.

Transform Assembly Processes

TE P-Clamp allows engineers and operators to rethink the way electrical and fluid systems are assembled by removing the boundaries of standard AS21919 P-Clamps. With separate mounting and locking features, TE P-Clamps can be installed earlier in the assembly process, before secondary structures restrict access. The tool-less locking feature enables operators to securely lock the clamp while in confined and hard-to-reach spaces.

Minimize FOD and Cable Damage

The TE P-Clamp minimizes the risk of foreign object debris (FOD) by eliminating the need for tools and hardware when installing cables and harnesses. The TE P-Clamp excels in fixturing coax and fiber optic cables. The compliant cushion firmly grips a wide diameter range of cables without crushing the cable.

APPLICATIONS

- Commercial Aviation
- Military Aerospace
- Military and Marine Vehicles
- Industrial Vehicles
- Rail
- Automotive

TE Components . . . TE Technology . . . TE Know-how . . .

AMP | AGASTAT | CII | HARTMAN | KILOVAC | MICRODOT | NANONICS | POLAMCO | Raychem SEACON | Rochester | DEUTSCH

Empower Engineers to Solve Problems, Moving the World Forward.

Performance Characteristics

Mechanical

Operating Temperature:	-65°C to +85°C
Fluid Resistance:	Fuel, Deicer, Oil, Cleaning Compound
Load Bearing:	50 lbs. Static (all directions)
Vibration:	27 (grms)
Wire Bundle Range:	.125”- 1.375” (3.2mm-34.9mm) 10 sizes
Width:	.5” (12.7mm)
Mounting Hardware:	ANSI 10/MS Screw (washer recommended)

Materials

Primary structure:	Aerospace-grade PEEK
Cushion material:	Chloroprene per SAE AMS3207

Standards

SAE AS23190 Type 3 Class 1

QUICK INSTALL TIME

UP TO 25% LIGHTER WEIGHT

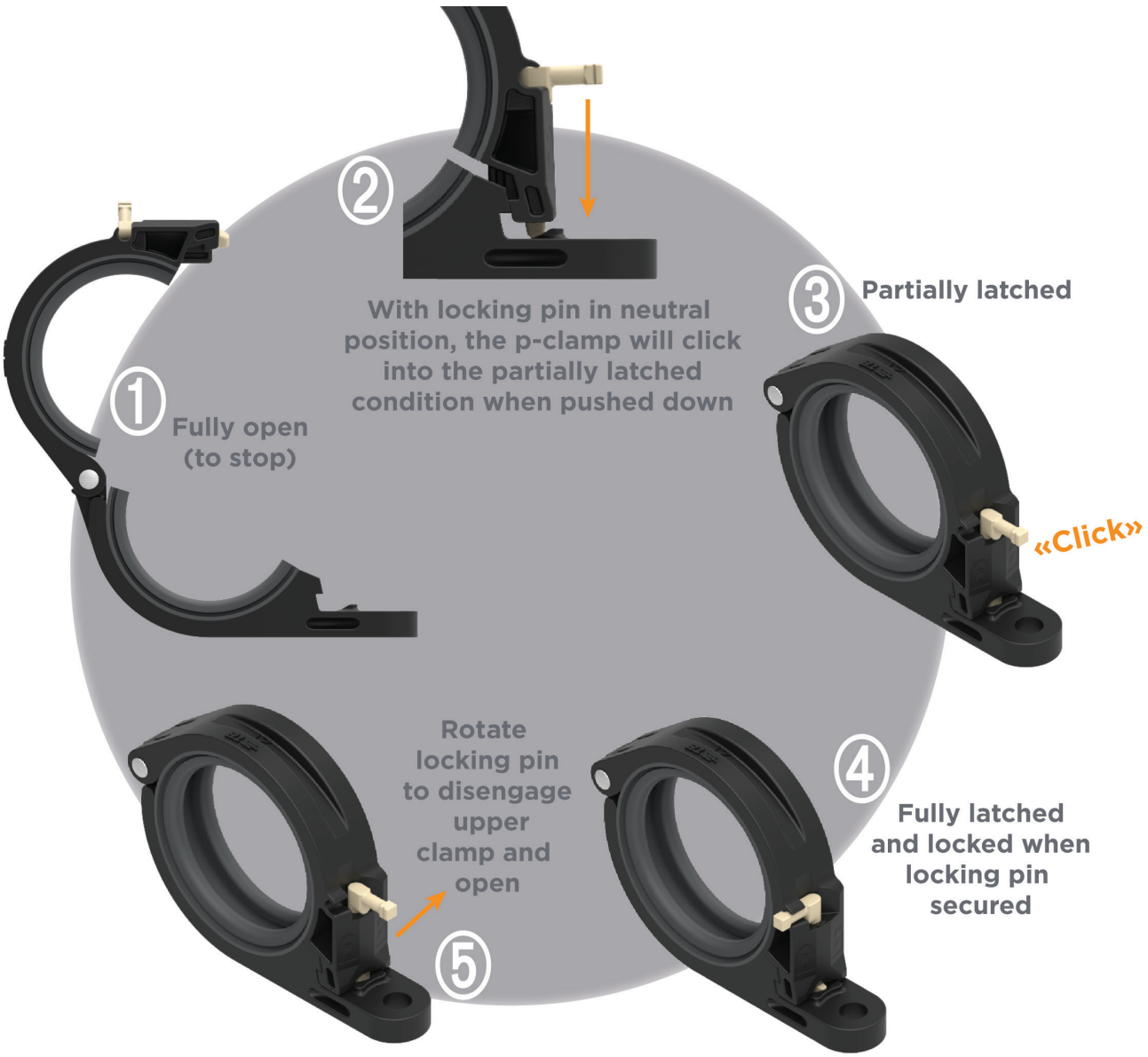
TOOL-FREE HARNESS INSTALLATION

Metal P-Clamps require a difficult and sometimes painful installation process that can lead to injury and slower install times.

1. Mount the TE P-Clamp onto the structure.

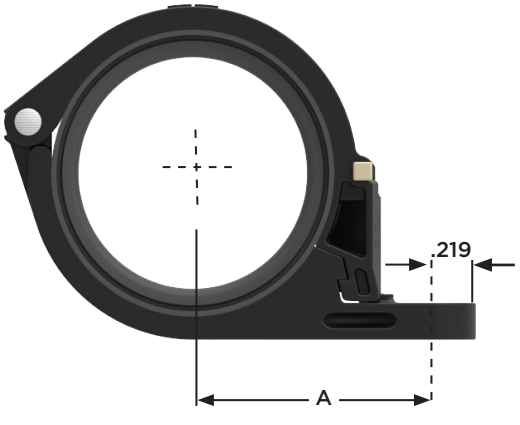
2. Install the harness with no tools or hardware.

Operation


1
Fully open
(to stop)
2
With locking pin in neutral position, the p-clamp will click into the partially latched condition when pushed down
3
Partially latched
«Click»
4
Fully latched and locked when locking pin secured
5
Rotate locking pin to disengage upper clamp and open

Part Numbers

TE Connectivity Part No.	Size	A [in. nom]	Cable Bundle Range [in. nom]	Weight [G]	AS21919 Part No.	Size	A [in. nom]	Cable Bundle Range [in. nom]
THA-PDKG-03	3	0.716	.125 - .250	3.5	AS21919WDG02	2	0.457	.110 - .140
					AS21919WDG03	3	0.498	.173 - .203
					AS21919WDG04	4	0.529	.235 - .265
THA-PDKG-05	5	0.796	.250 - .375	4.6	AS21919WDG05	5	0.56	.298 - .328
					AS21919WDG06	6	0.592	.360 - .390
THA-PDKG-07	7	0.837	.375 - .500	5.7	AS21919WDG07	7	0.623	.423 - .453
					AS21919WDG08	8	0.654	.485 - .515
THA-PDKG-09	9	0.94	.500 - .625	6.7	AS21919WDG09	9	0.752	.548 - .578
					AS21919WDG10	10	0.783	.610 - .640
THA-PDKG-11	11	0.956	.625 - .750	7.8	AS21919WDG11	11	0.814	.673 - .703
					AS21919WDG12	12	0.845	.735 - .765
THA-PDKG-13	13	1.041	.750 - .875	8.9	AS21919WDG13	13	0.877	.798 - .828
					AS21919WDG14	14	0.908	.860 - .890
THA-PDKG-15	15	1.127	.875 - 1.000	10.2	AS21919WDG15	15	0.939	.985 - 1.015
					AS21919WDG16	16	0.97	.985 - 1.015
THA-PDKG-17	17	1.169	1.000 - 1.125	11.6	AS21919WDG17	17	1.002	1.048 - 1.078
					AS21919WDG18	18	1.062	1.110 - 1.140
THA-PDKG-19	19	1.233	1.125 - 1.250	12.9	AS21919WDG19	19	1.093	1.173 - 1.203
					AS21919WDG20	20	1.124	1.235 -1.265
THA-PDKG-21	21	1.313	1.250 - 1.375	14.2	AS21919WDG21	21	1.156	1.298 - 1.328
					AS21919WDG22	22	1.187	1.360 - 1.390



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Technical Support

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