



Plastic P-Clamps

HP-Series

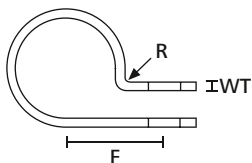
For permanent or semi-permanent cable fixings this range of plastic P-Clamps can be used in many industries. Their light weight makes them particularly suitable for use in areas such as aircraft and aerospace where minimising weight, but retaining a strong fixing, is vitally important.

Features and benefits

- Manufactured from Polyamide
- Good temperature resistance and high strength
- Wide range of sizes for every application
- Can be used without cable ties



P-Clamps H1P - H18P in different dimensions.



P-Clamp H1P - H18P (side view)



P-Clamp H1P - H18P (plan view)

PART DESCRIPTION	Width (W)	Wall (WT)	Hole Ø (FH)	Bundle Ø max.	Fixing Hole Centres (F)	Radius (R)
NX0-PA66-NA	8.0	0.90	4.3	3.3	9.25	0.5
NX0-PA66-BK	8.0	0.90	4.3	3.3	9.25	0.5
NX3-PA66-NA	9.3	1.10	4.3	8.5	11.9	0.8
NX3-PA66-BK	9.3	1.10	4.3	8.5	11.9	0.8
NX1-PA66-NA	9.6	1.50	4.9	4.8	9.4	1.5
NX1-PA66-BK	9.6	1.50	4.9	4.8	9.4	1.5
H1P-PA66-NA	10.0	0.80	4.2	3.2	8.5	0.5
H1P-PA66HS-BK	10.0	0.80	4.2	3.2	8.5	0.5
H2P-PA66-NA	10.0	1.00	4.2	5.0	9.5	1.0
H2P-PA66HS-BK	10.0	1.00	4.2	5.0	9.5	1.0
H3P-PA66-NA	10.0	1.00	4.2	6.5	10.0	1.0
H3P-PA66HS-BK	10.0	1.00	4.2	6.5	10.0	1.0
H4P-PA66-NA	10.0	1.20	4.2	8.0	10.0	1.0
H5P-PA66-NA	10.0	1.20	4.2	9.5	11.0	1.0
H5P-PA66HS-BK	10.0	1.20	4.2	9.5	11.0	1.0
H6P-PA66-NA	10.0	1.20	4.2	11.0	13.0	1.0
H7P-PA66-NA	10.0	1.20	4.2	12.5	14.0	1.5
H7P-PA66HS-BK	10.0	1.20	4.2	12.5	14.0	1.5
H8P-PA66-NA	10.0	1.50	4.2	14.0	15.0	1.5
H9P-PA66HS-BK	10.0	1.50	4.2	16.0	16.0	1.5
NX1A-PA66-NA	12.0	1.50	5.0	6.5	10.95	1.5

All dimensions in mm. Subject to technical changes.

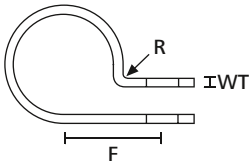


Cable Ties and Fixings

Cable Tie Mounts

Plastic P-Clamps

HP-Series



P-Clamp H1P - H18P (side view)



P-Clamp H1P - H18P (plan view)

PART DESCRIPTION	Width (W)	Wall (WT)	Hole Ø (FH)	Bundle Ø max.	Fixing Hole Centres (F)	Radius (R)
NX1A-PA66-BK	12.0	1.50	5.0	6.5	10.95	1.5
NX4-PA66-NA	12.3	1.60	5.0	9.5	13.1	1.0
NX4-PA66-BK	12.3	1.60	5.0	9.5	13.1	1.0
NX6-PA66-NA	12.3	1.60	5.0	14.5	15.45	1.6
NX6-PA66-BK	12.3	1.60	5.0	14.5	15.45	1.6
NXR8-PA66-NA	12.4	1.30	4.0	15.9	15.4	1.5
NXR8-PA66-BK	12.4	1.30	4.0	15.9	15.4	1.5
NXR11-PA66-NA	12.6	1.30	4.0	20.6	17.85	2.0
NXR11-PA66-BK	12.6	1.30	4.0	20.6	17.85	2.0
NXR14-PA66W-BK	16.1	1.60	4.0	25.4	23.4	3.0
NXR14-PA66-NA	16.1	1.60	4.0	25.4	23.4	3.0
NXR14-PA66-BK	16.1	1.60	4.0	25.4	23.4	3.0
NXR16-PA66-NA	19.3	1.50	4.5	31.8	28.6	4.0
NXR16-PA66-BK	19.3	1.50	4.5	31.8	28.6	4.0
NXR18-PA66-NA	19.3	1.50	5.7	38.1	32.5	3.0
NXR18-PA66-BK	19.3	1.50	5.7	38.1	32.5	3.0

All dimensions in mm. Subject to technical changes.



Material Specification Overview

MATERIAL	Material Shortcut	Operating Temperature	Colour*	Flammability
Aluminium alloy	AL	-40 °C to +180 °C	Natural (NA)	
Chloroprene Rubber	CR	-20 °C to +80 °C	Black (BK)	
Ethylene Tetrafluoroethylene (Tefzel®)	E/TFE	-80 °C to +170 °C	Blue (BU)	UL 94 V0
Polyacetal	POM	-40 °C to +90 °C, (+110 °C, 500 h)	Natural (NA)	UL 94 HB
Polyamide 11	PA11	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL 94 HB
Polyamide 11, UV-resistant	PA11W	-40 °C to +105 °C	Black (BK)	UL 94 HB
Polyamide 12	PA12	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL 94 HB
Polyamide 4.6	PA46	-40 °C to +130 °C, (+150 °C, 5000 h; +195 °C, 500 h)	Natural (NA), Grey (GY)	UL 94 V2
Polyamide 6	PA6	-40 °C to +80 °C	Black (BK)	UL 94 V2
Polyamide 6, glass-fibre reinforced	PA6GF30	-40 °C to +100 °C	Black (BK)	UL 94 HB
Polyamide 6, high impact modified	PA6HIR	-40 °C to +80 °C	Black (BK)	UL 94 HB
Polyamide 6, high impact modified, heat stabilised	PA6HIRHS	-80 °C to +110 °C	Black (BK)	UL 94 HB
Polyamide 6.6	PA66	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK), Natural (NA)	UL 94 V2
Polyamide 6.6, glass-fibre reinforced	PA66GF13	-40 °C to +105 °C	Black (BK)	UL 94 HB
Polyamide 6.6, glass-fibre reinforced	PA66GF15	-40 °C to +105 °C	Black (BK)	UL 94 HB
Polyamide 6.6, heat and UV stabilised	PA66HSUV	-40 °C to +105 °C	Black (BK), Natural (NA)	UL 94 V2
Polyamide 6.6, heat and UV stabilised	PA66HSW	-40 °C to +105 °C	Black (BK)	UL 94 V2
Polyamide 6.6, heat stabilised	PA66HS	-40 °C to +105 °C	Black (BK), Natural (NA)	UL 94 V2
Polyamide 6.6, high impact modified	PA66HIR	-40 °C to +80 °C, (+105 °C, 500 h)	Black (BK)	UL 94 HB
Polyamide 6.6, high impact modified, heat and UV stabilised	PA66HIRHSUV	-40 °C to +110 °C	Black (BK)	UL 94 HB
Polyamide 6.6, high impact modified, heat and UV stabilised (only for cable ties for Autotool System 3080)	PA66HIRHSUV	-40 °C to +95 °C, (+105 °C, 5000 h; +145 °C, 500 h)	Black (BK), Natural (NA)	UL 94 HB
Polyamide 6.6, high impact modified, heat and UV stabilised	PA66HIRHSW	-40 °C to +110 °C	Black (BK)	UL 94 HB
Polyamide 6.6, high impact modified, heat stabilised	PA66HIRHS	-40 °C to +105 °C	Black (BK)	UL 94 HB
Polyamide 6.6, high impact modified, scan black	PA66HIR(S)	-40 °C to +80 °C, (+105 °C, 500 h)	Black (BK)	UL 94 HB

Tefzel® is a registered trademark of DuPont. General linguistic usage for cable ties made from raw material E/TFE is Tefzel®-Tie. In addition to Tefzel® from DuPont HellermannTyton also uses equivalent E/TFE raw material from other suppliers.

*Further colours available on request.

 = Minimum Loop Tensile Strength for Cable Ties (Newton)

MATERIAL	Material Shortcut	Operating Temperature	Colour*	Flammability
Polyamide 6.6, UV resistant	PA66W	-40 °C to +85 °C, (+105 °C, 500 h)	Black (BK)	UL 94 V2
Polyamide 6.6, UV-stabilised	PA66UV	-40 °C to +85 °C	Black (BK), Natural (NA)	UL 94 V2
Polyamide 6.6, with metal particles	PA66MP	-40 °C to +85 °C, (+105 °C, 500 h)	Blue (BU)	UL 94 HB
Polyamide 6.6, with metal particles	PA66MP+	-40 °C to +85 °C	Blue (BU)	not flame retardant
Polyamide 6.6 V0	PA66V0	-40 °C to +85 °C	White (WH)	UL 94 V0
Polyaryletherketone	PAEK	-55 °C to +200 °C	Beige (BGE)	UL 94 V0
Polyester	SP	-50 °C to +150 °C	Black (BK)	
Polyetheretherketone	PEEK	-55 °C to +240 °C	Beige (BGE)	UL 94 V0
Polyethylene	PE	-40 °C to +50 °C	Black (BK), Grey (GY)	UL 94 HB
Polyolefin	PO	-40 °C to +90 °C	Black (BK)	UL 94 V0
Polyphenylene Sulfide	PPS	-40 °C to +150 °C	Black (BK), Grey (GY)	UL 94 V0
Polypropylene, Ethylene Propylene Diene Terpolymer rubber free of Nitrosamine	PP, EPDM	-20 °C to +95 °C	Black (BK)	UL 94 HB
Polypropylene 20% Talkum	PPT20	-40 °C to +65 °C	Black (BK)	UL 94 HB
Polypropylene with metal particles	PPMP	-40 °C to +115 °C	Blue (BU)	UL 94 HB
Polypropylene with metal particles	PPMP+	-40 °C to +85 °C	Blue (BU)	not flame retardant
Polyvinylidene Fluoride	PVDFX	-50 °C to +150 °C	Natural (NA)	UL 94 V0
Polyvinylchloride	PVC	-10 °C to +70 °C	Black (BK), Natural (NA)	UL 94 V0
Stainless Steel	SS304, SS316	-80 °C to +538 °C	Natural (NA)	non-burning
Thermoplastic Polyurethane	TPU	-40 °C to +85 °C	Black (BK)	UL 94 HB

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*Further colours available on request.



**Minimum Loop Tensile Strength
for Cable Ties (Newton)**

Tip: Material shortcut is part of our Part Description name

Product series name (indicating tie type, clip and harness routing variant)

Material code

Colour code (details on page 326)

T50ROSEC5A-PA66HS/PA66HIRHS-BK