



HEL
CLAMPING SOLUTIONS

Plastic Hose Clamps - February 2020



*Herbie Clip[®] Ezyklik[™]
Ezyclamp[™]*

www.hclfasteners.com

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001:2015 =



Designed and manufactured by HCL to the highest quality the **Ezyclamp™** is a highly versatile Nylon Worm Drive Hose Clamp. The **Ezyclamp™** is 12.7mm (½") wide and available in 5 sizes covering a diameter range of 25mm (1") to 150mm (6"). It is offered in a choice of materials: PA66 (Nylon 6.6.) for standard applications & PA12 (Nylon 12) for niche markets such as 5G telecommunications & Subsea.

Key Features

- 2 installation options
- Minimal Leak Path
- Quick & Easy to Install
- Non-Conductive
- 2 screw types - Wing or 8mm Hex
- 2 Material Options - Nylon 6.6. or Nylon 12
- Non-Corrosive
- Non-Magnetic
- Excellent UV resistance (PA12)



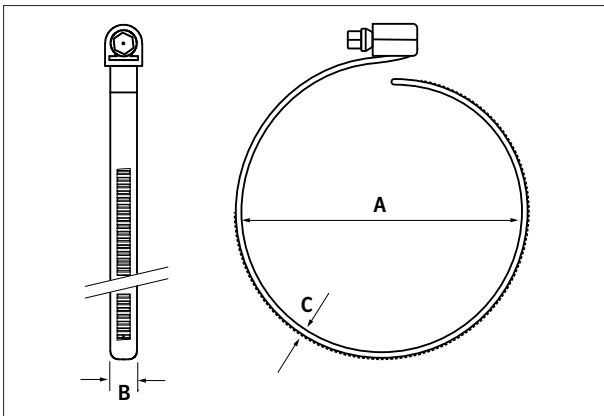
Dimensions & Part Numbers - Screw Type

HCL Part No	Minimum Diameter (A) mm / inch	Maximum Diameter (A) mm / inch	Band Width (B) mm / inch	Band Thickness (C) mm / inch	Screw Type	Max Torque
SCREW CLAMP						
PWD-13-50-SC-PA66-BK	25.0 / 1.00	50.0 / 2.00	12.7 / 0.50	3.25 / 0.13	8mm Hex	2.0Nm
PWD-13-75-SC-PA66-BK		75.0 / 3.00				
PWD-13-100-SC-PA66-BK		100.0 / 4.00				
PWD-13-125-SC-PA66-BK	50.0 / 2.00	125.0 / 5.00				
PWD-13-150-SC-PA66-BK	75.0 / 3.00	150.0 / 6.00				
PWD-13-50-SC-PA12-BK	25.0 / 1.00	50.0 / 2.00				
PWD-13-75-SC-PA12-BK		75.0 / 3.00				
PWD-13-100-SC-PA12-BK		100.0 / 4.00				
PWD-13-125-SC-PA12-BK	50.0 / 2.00	125.0 / 5.00				
PWD-13-150-SC-PA12-BK	75.0 / 3.00	150.0 / 6.00				



Dimensions & Part Numbers - Wing Type

HCL Part No	Minimum Diameter (A) mm / inch	Maximum Diameter (A) mm / inch	Band Width (B) mm / inch	Band Thickness (C) mm / inch	Screw Type	Max Torque
WING CLAMP						
PWD-13-50-WG-PA66-BK	25.0 / 1.00	50.0 / 2.00	12.7 / 0.50	3.25 / 0.13	Wing	2.0Nm
PWD-13-75-WG-PA66-BK		75.0 / 3.00				
PWD-13-100-WG-PA66-BK		100.0 / 4.00				
PWD-13-125-WG-PA66-BK	50.0 / 2.00	125.0 / 5.00				
PWD-13-150-WG-PA66-BK	75.0 / 3.00	150.0 / 6.00				
PWD-13-50-WG-PA12-BK	25.0 / 1.00	50.0 / 2.00				
PWD-13-75-WG-PA12-BK		75.0 / 3.00				
PWD-13-100-WG-PA12-BK		100.0 / 4.00				
PWD-13-125-WG-PA12-BK	50.0 / 2.00	125.0 / 5.00				
PWD-13-150-WG-PA12-BK	75.0 / 3.00	150.0 / 6.00				



Ezyclamp™

Basic Facts

Diameter Range	25mm (1") to 150mm (6")	Hazardous Goods	No
Operating Temperature - °C	PA66 (Nylon 6.6) Max Long term Temp 125°C (255°F) - Occasional Peak Temp 170°C (340°F) PA12 (Nylon 12) Max Long term Temp 100°C (212°F)	Flammability	PA66 (Nylon 6.6) UL 94 V-2 PA12 (Nylon 12) UL 94 HB
Specifications	RoHS compliant	Standard Material	PA66 (Nylon 6.6) PA12 (Nylon 12)
		Standard Colour	Black (other colours on request)

Fitting and Installation



Insert Screw into Housing



Push Screw into end of Housing



Wrap around the Hose



Wrap around Hose



Pull the band tight



Insert Screw into Housing



Tighten using Electric Screw Driver



Tighten using Manual 8mm Hex Screw Driver



Tighten by Hand using Wing Type Screw

Herbie Clip®

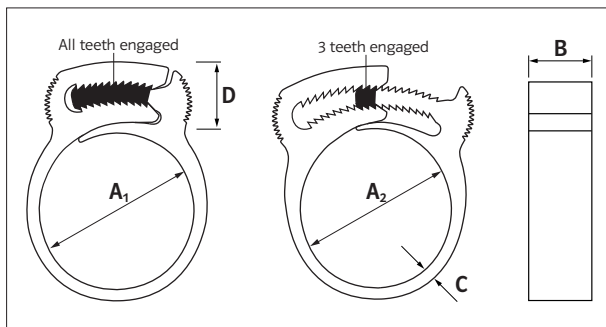


Designed and manufactured by HCL to the highest quality the **Herbie Clip®** is the original double grip plastic hose clamp. It offers exceptional strength due to its unique double row of interlocking toothed jaws which offer over twice the clamping forces achieved by similar single toothed products.

The **Herbie Clip®** is a high quality hose clamp made from Nylon 6.6. and offers the largest range of Snap Fit Style Hose Clamps with 38 sizes ranging from 5.6mm to 169mm diameter. The clamp is highly versatile and lends itself to a wide variety of applications meaning that Herbie Clips can be found in Agricultural Machinery, Automotive Engines, White Goods and many other applications.

Key Features

- Double Row of Interlocking Teeth
- Easy to Install with Pliers
- Reusable & releasable
- Minimal Leak Path
- Advanced Tooling for Production Lines
- Non-Corrosive
- Non-Conductive
- Non-Magnetic
- High Pressure resistance - over 30 bar (depends on hose & spigot)
- Choice of materials (Black Standard)
- Choice of colours



Dimensions & Part Numbers

HCL Part No	Diameter Range (A ₁ -A ₂) mm / inch	Band Width (B) mm / inch	Band Thickness (C) mm / inch	Head Height (D) mm / inch
HC-A	5.6 - 6.5 / 0.22 - 0.25	4.2 / 0.17	1.4 / 0.06	8.3 / 0.33
HC-AA	6.5 - 7.9 / 0.26 - 0.31	4.5 / 0.18	1.6 / 0.06	9.9 / 0.39
HC-B	7.9 - 9.2 / 0.31 - 0.36	4.6 / 0.18	1.7 / 0.07	9.3 / 0.37
HC-BB	9.2 - 10.3 / 0.36 - 0.40	4.5 / 0.18	1.7 / 0.07	10.9 / 0.43
HC-C	10.2 - 11.8 / 0.40 - 0.46	5.8 / 0.23	1.7 / 0.07	12.2 / 0.48
HC-CC	11.5 - 13.4 / 0.43 - 0.50	6.4 / 0.24	1.7 / 0.07	12.8 / 0.48
HC-D	12.0 - 13.8 / 0.47 - 0.54	6.1 / 0.24	2.0 / 0.08	12.9 / 0.51
HC-E	13.1 - 15.1 / 0.51 - 0.59	7.2 / 0.28	2.1 / 0.08	13.6 / 0.54
HC-F	15.0 - 17.1 / 0.59 - 0.67	7.1 / 0.28	2.1 / 0.08	12.9 / 0.51
HC-G	16.9 - 19.1 / 0.66 - 0.75	6.9 / 0.29	2.2 / 0.08	12.5 / 0.49
HC-H	18.1 - 20.6 / 0.71 - 0.80	7.1 / 0.28	2.2 / 0.09	12.7 / 0.50
HC-J	20.3 - 23.0 / 0.79 - 0.90	6.4 / 0.25	2.1 / 0.08	14.2 / 0.56
HC-K	23.1 - 26.1 / 0.87 - 0.97	7.3 / 0.28	2.2 / 0.08	13.7 / 0.51
HC-L	24.5 - 27.6 / 0.96 - 1.08	7.1 / 0.28	2.2 / 0.09	12.5 / 0.49
HC-M	26.5 - 29.5 / 1.03 - 1.15	7.4 / 0.29	2.2 / 0.09	13.4 / 0.53
HC-N	28.8 - 32.2 / 1.12 - 1.26	9.0 / 0.35	2.0 / 0.08	13.4 / 0.53
HC-P	32.0 - 34.8 / 1.25 - 1.36	9.1 / 0.36	2.2 / 0.09	13.8 / 0.54
HC-Q	34.3 - 37.9 / 1.34 - 1.48	8.9 / 0.35	2.1 / 0.08	13.5 / 0.53
HC-R	38.5 - 42.4 / 1.48 - 1.60	9.5 / 0.36	2.2 / 0.09	13.7 / 0.56
HC-S	41.8 - 45.2 / 1.56 - 1.72	9.3 / 0.35	2.1 / 0.08	13.6 / 0.53
HC-T	44.6 - 48.0 / 1.69 - 1.80	9.1 / 0.35	2.1 / 0.08	13.2 / 0.50
HC-U	47.4 - 51.1 / 1.79 - 1.97	9.1 / 0.35	2.1 / 0.08	14.6 / 0.57
HC-V	48.5 - 53.8 / 1.89 - 2.10	9.0 / 0.35	2.1 / 0.08	14.4 / 0.57
HC-W	53.0 - 56.5 / 2.07 - 2.20	9.0 / 0.35	2.3 / 0.09	15.0 / 0.59
HC-X	55.0 - 60.5 / 2.15 - 2.36	9.4 / 0.37	2.7 / 0.11	15.5 / 0.61
HC-59	59.0 - 64.7 / 2.30 - 2.52	9.3 / 0.37	2.6 / 0.10	17.0 / 0.67
HC-64	63.0 - 67.4 / 2.42 - 2.63	9.4 / 0.37	1.95 / 0.08	15.6 / 0.61
HC-66	65.8 - 71.7 / 2.57 - 2.78	9.2 / 0.36	2.6 / 0.10	15.7 / 0.62
HC-70	70.0 - 75.4 / 2.73 - 2.94	9.1 / 0.36	2.6 / 0.10	15.5 / 0.61
HC-75	74.7 - 80.5 / 2.91 - 3.14	9.1 / 0.36	2.9 / 0.11	16.5 / 0.65
HC-80	79.8 - 85.0 / 3.11 - 3.32	9.0 / 0.35	2.6 / 0.10	17.7 / 0.70
HC-85	85.1 - 90.6 / 3.32 - 3.74	8.9 / 0.35	2.6 / 0.10	17.2 / 0.68
HC-91	91.0 - 96.0 / 3.55 - 3.74	9.5 / 0.37	2.6 / 0.10	16.7 / 0.66
HC-96	97.7 - 102.1 / 3.81 - 3.98	8.5 / 0.34	2.6 / 0.10	17.4 / 0.69
HC-105	105.3 - 111.8 / 4.11 - 4.36	8.9 / 0.35	2.6 / 0.10	16.2 / 0.64
HC-109	108.0 - 114.3 / 4.21 - 4.46	9.0 / 0.35	2.6 / 0.10	17.4 / 0.69
HC-115	115.0 - 121.0 / 4.49 - 4.72	9.5 / 0.37	2.6 / 0.10	17.4 / 0.69
HC-163	163.0 - 169.0 / 6.36 - 6.59	9.5 / 0.37	2.5 / 0.10	16.0 / 0.63

All weights, dimensions & quantities are subject to a +2.5% tolerance.

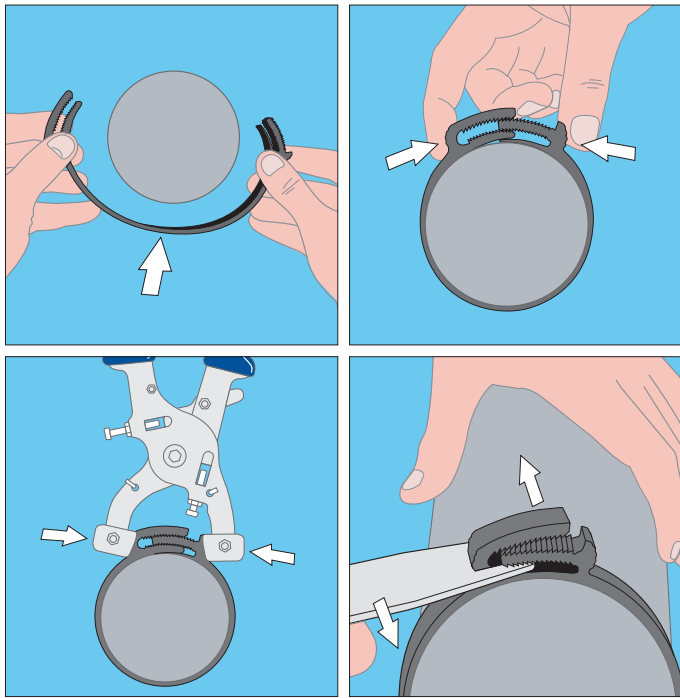
To add material selection to the HCL Part No: for Nylon 6.6. Black, add "PA66-BK" for Polypropylene Black add "PP-BK".

Herbie Clip®

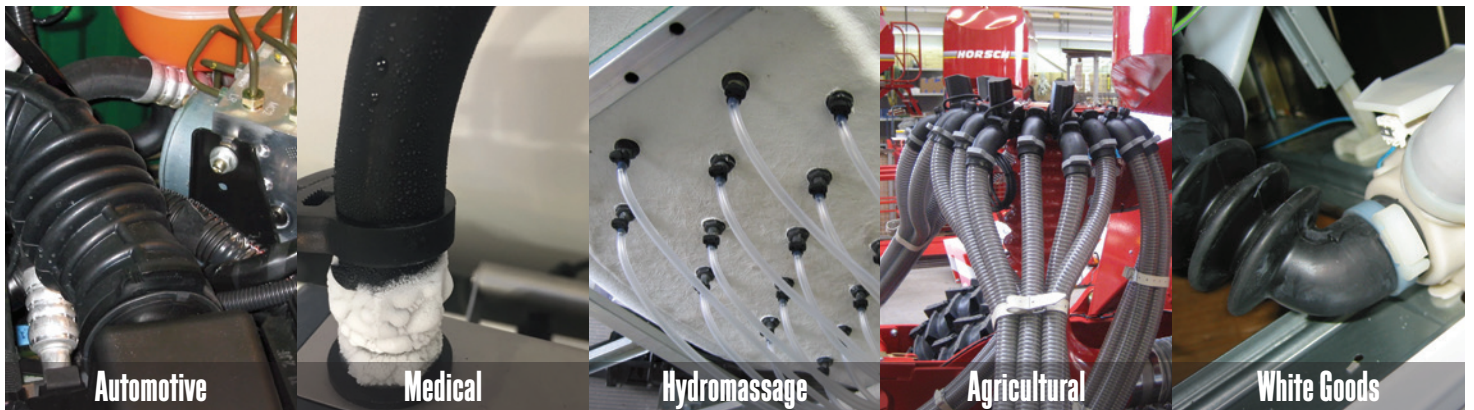
Basic Facts

Diameter Range	5.6mm - 169mm
Operating Temperature - °C	PA66 (Nylon 6.6.) Max Long term Temp 125°C (255°F) - Occasional Peak Temp 170°C (340°F) PP (Polypropylene) Max Long term Temp 60°C (140°F) - Occasional Peak Temp 99°C (195°F)
Specifications	RoHS compliant
Hazardous Goods	No
Flammability	PA66 (Nylon 6.6.) UL 94 V-2
Standard Material	Polyamide 6.6 (PA66) - Polypropylene (PP) on request
Standard Colour	Black (other colours on request)

Fitting and Installation



Applications and Markets



Installation and Removal Tools



Manual Fitting Tool



Manual Removal Tool



Pneumatic Calliper Tool



Pneumatic Piston Tool

Control Box

Developed exclusively for High volume production line installation HCL's Control Box offers the following features:

- HMI (Human Machine Interface) touch screen control
- Digital control of air pressure - to maintain a consistent tightening force
- Digital control of clamping time - to maintain a consistent tightening time
- Dry cycle detection (tool option) - Detects tool use without a clip being in place
- In process advisory information screens
- Batch and unit count control
- Supervisory control
- Adjustable orientation of the HMI screen



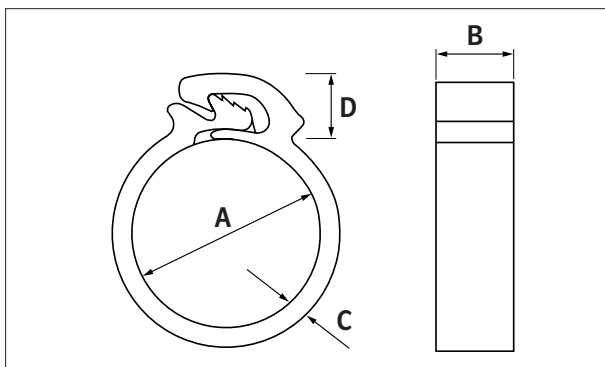


Designed and manufactured by HCL to the highest quality the **Ezyclik™** is a hose clamp specifically designed for the production line and where space around the clamp is restricted. The **Ezyclik™** is designed so that it has no leak path and can achieve a considerable clamping force.

The **Ezyclik™** is a high quality hose clamp made from Nylon 6.6. and has 44 sizes ranging from 8.5mm to 45.5mm diameter. The clamps unique features alongside the advanced installation tooling that is provided means that the **Ezyclik™** is often found on many production lines.

Key Features

- Zero Leak Path - Forms a complete circle
- Choice of Materials
- Choice of Colours
- Can withstand up to 150°C (300°F) - Nylon 6.6 Glass Filled Option
- High Pressure resistance - over 30 bar (depends on hose & spigot)
- Non-Corrosive
- Non-Conductive
- Non-Magnetic



Dimensions & Part Numbers

HCL Part No	Closed Diameter (A) mm / inch	Band Width (B) mm / inch	Band Thickness (C) mm / inch	Head Height (D) mm / inch			
EZY-P-8.5	8.5 / 0.33	8.0 / 0.31	1.7 / 0.07	5.3 / 0.21			
EZY-P-8.7	8.7 / 0.34						
EZY-P-8.9	8.9 / 0.35						
EZY-P-9.2	9.2 / 0.36						
EZY-P-9.5	9.5 / 0.37						
EZY-P-10.0	10.0 / 0.39						
EZY-P-11.4	11.4 / 0.44						
EZY-P-12.0	12.0 / 0.47						
EZY-P-12.5	12.5 / 0.49						
EZY-P-12.7	12.7 / 0.50						
EZY-P-13.2	13.2 / 0.51						
EZY-P-13.7	13.7 / 0.53						
EZY-P-14.5	14.5 / 0.57						
EZY-P-14.6	14.6 / 0.57						
EZY-P-15.0	15.0 / 0.59						
EZY-P-15.7	15.7 / 0.61						
EZY-P-15.9	15.9 / 0.62						
EZY-P-16.5	16.5 / 0.64						
EZY-P-16.8	16.8 / 0.66						
EZY-P-17.1	17.1 / 0.67						
EZY-P-17.5	17.5 / 0.68						
EZY-P-17.6	17.6 / 0.69						
EZY-P-18.0	18.0 / 0.70						
EZY-P-18.5	18.5 / 0.72						
EZY-P-19.1	19.1 / 0.74						
EZY-P-19.6	19.6 / 0.76						
EZY-P-20.1	20.1 / 0.78						
EZY-P-20.8	20.8 / 0.81						
EZY-P-21.1	21.1 / 0.82						
EZY-P-22.0	22.0 / 0.85						
EZY-P-22.1	22.1 / 0.86						
EZY-P-22.6	22.6 / 0.88						
EZY-P-23.1	23.1 / 0.90						
EZY-P-23.6	23.6 / 0.92						
EZY-P-24.7	24.7 / 0.96						
EZY-P-25.8	25.8 / 1.01						
EZY-P-26.8	26.8 / 1.05						
EZY-P-28.0	28.0 / 1.09						
EZY-P-30.6	30.6 / 1.19						
EZY-P-31.4	31.4 / 1.22						
EZY-P-36.5	36.5 / 1.42						
EZY-P-42.4	42.4 / 1.65						
EZY-P-43.3	43.3 / 1.69						
EZY-P-45.5	45.5 / 1.77						
		9.0 / 0.35	2.5 / 0.10	6.8 / 0.27			
							7.3 / 0.29

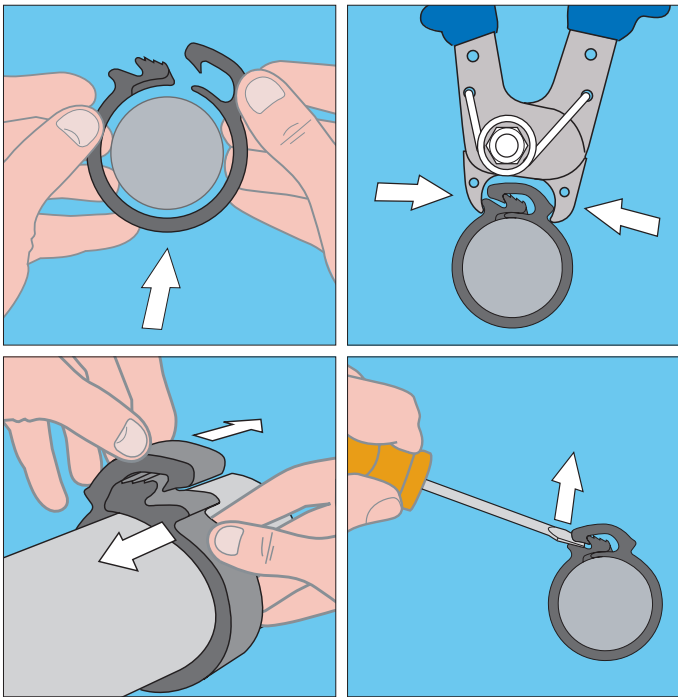
All weights, dimensions & quantities are subject to a +2.5% tolerance.
To add material selection to the HCL Part No: for Nylon 6.6, Black, add *-PA66-BK*.

Ezyclik™

Basic Facts

Diameter Range	8.5mm – 45.5mm
Operating Temperature – °C	PA66 (Nylon 6.6.) Max Long term 125°C (255°F) – Occasional Peak Temp 170°C (340°F) PA66GF (Nylon 6.6 Glass Filled) Max Long term Temp 150°C (300°F) PP (Polypropylene) Max Long term Temp 60°C (140°F) – Occasional Peak Temp 99°C (195°F)
Specifications	RoHS compliant
Hazardous Goods	No
Flammability	PA66 (Nylon 6.6.) UL 94 V-2 PA66 (Nylon 6.6. Glass Filled) UL 94 HB
Standard Material	PA66 (Nylon 6.6.) – On request PP (Polypropylene) & PA66GF (Nylon 6.6. Glass Filled)
Standard Colour	Black (other colours on request)

Fitting and Installation



Applications and Markets



Installation and Removal Tools



Manual Fitting Tool



Pneumatic Tool

Control Box

Developed exclusively for High volume production line installation HCL's Control Box offers the following features:

- HMI (Human Machine Interface) touch screen control
- Digital control of air pressure - to maintain a consistent tightening force
- Digital control of clamping time - to maintain a consistent tightening time
- Dry cycle detection (tool option) - Detects tool use without a clip being in place
- In process advisory information screens
- Batch and unit count control
- Supervisory control
- Adjustable orientation of the HMI screen





HCL Fasteners also supply a full range of metal hose clamps.



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