

## **Advantages of CLIC® Hangers for Multiple Applications**

### **Pipe and cable fastening system for the sanitary and electrical industries**

The single-piece, self-closing CLIC® fastening solution is highly efficient, thanks to up to 60% faster installation. The CLIC® pipe and cable fastening system is suitable for the installation of cables, looms of cables and pipes of any kind in houses and moderate environments - Not just for Plastic Pipe - Works with Steel, Copper, Cast Iron, Coaxial & Electrical Cabling.

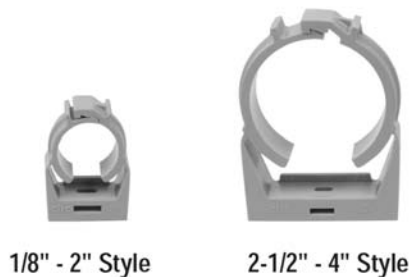
### **CLIC® fastening system**

Thanks to the varied product line, the CLIC® fastening system offers suitable applications for all areas:

- Irregular wall distances
- Various fastening points next to each other
- Cables on pipes or pipes on pipes
- Fastening on wood, concrete or bricks
- Strut rails and hanger support systems

### **Fields of application**

CLIC® or CLIC® TOP offer choices suitable for indoor and outdoor sanitary and electrical installations of any kind. Based on the excellent outgassing rates, CLIC® is also used for installations in clean rooms of laboratories, hospitals and in the semi-conductor industry. The pre-assembly of the retention points and the subsequent CLIC-ing in of the cables or pipes with one hand reduces the installation time, thus saving costs in the amount of 60% compared to conventional systems.



## **CLIC® TOP - The Premium One-Piece Self Locking Plastic Pipe Clamp. Pure Polyamide Construction UV Resistant for Indoor or Outdoor Installation**

### **Engineered for Exceptional Ease of Use**

Even One-Handed fastening can be made with this unique CLIC® TOP clamp assembly. Easily secured to supporting structures with user supplied bolts or screws. Stand-Off spacers in assorted lengths allow convenient spacing from mounting surfaces.

- Excellent Protection for Plastic Piping - No Sharp Edges
- Available for IPS Pipe 1/8" - 4" & CTS Pipe 1/2" - 2", Plus Popular 1-1/2" Tubing Size for Conduit & Other Applications
- High Strength Polyamide PA12
- Working Temperature -40° to 230°F Long-term
- Excellent Chemical Resistance
- Hinges Allow Installation Down to -13°F
- High Low-Temperature Impact Strength
- High Flexibility at Low and High Temperatures
- UL® 94 HB Flammability Rating

## **CLIC® Economical - One-Piece Self Locking Plastic Pipe Clamp. Copolymer Construction for Indoor Installation Only**

- Excellent Protection for Plastic Piping - No Sharp Edges
- Available for IPS Pipe 1/8" - 4" & CTS Pipe 1/2" - 2", Plus Popular 1-1/2" Tubing Size for Conduit & Other Applications
- High Quality Copolymer
- Working Temperature -13° to 194°F Long-term
- Good Chemical Resistance
- Hinges Allow Installation Down to 14°F
- UL® 94 HB Flammability Rating



# CLIC® TOP & CLIC® 1/8" to 2" – Pipe Sizes

**The advantages of the original**

Secure, fast, economical, user-friendly - a true fact. the outstanding features of CLIC® are self-explanatory. Benefit from the advantages and the safety of the original that has proved itself since 1975.

**Compact design**

One-piece:  
 - space-saving  
 - no loss of screws

**Smooth surface**

Allows pipe expansion/contraction lengthwise.

**Slotted hole for accurate fixation**

For Position adjustments

**Center mark**

Perfect positioning.

**Less inventory**

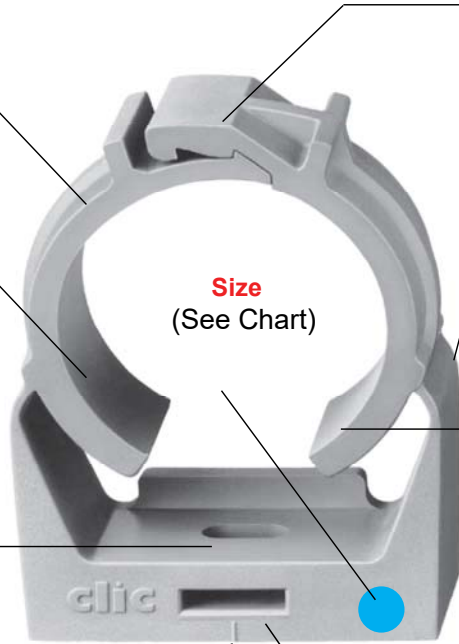
The flexible locking system allows installation of multiple diameter pipes with fewer clamp sizes

**Integrated rotary lock**

Easiest mounting on base plates.

**Thoothed annulus**

Accurate positioning on spacers.



**Two step locking**

The lock with two catches combines essential features in a unique manner:  
 - wide clamping range  
 - high loading capacity, secure hold  
 - easy to open

**Strong swivel joints**

The patented joint mechanism together with high-quality plastics allows installation work at very low temperatures.

**Flexible jaws**

In conjunction with the flexibility of the material, pipe tolerances can be compensated to a large extent.

**Slot for threaded Flange Nut**

**Flange Nut**

For 1/4" - 20 Rod or Bolt



**Flange Nut Adapter**

Adapter for 3/8" - 16 Rod or Bolt



**Strut Hanger**

Mounts to standard 1-5/8" width Strut Channel. Includes screw for mounting to center of CLIC® Hanger.



- No corrosion
- Electromagnetically neutral
- Noise absorbing
- Internationally certified
- Recyclable plastics
- Halogen-free, CFC-free
- Several colors

# CLIC® TOP & CLIC® 2-1/2" to 4" – Pipe Sizes

## Perfect for large pipes

For large diameters CLIC also offers the perfect solution with high-quality plastic materials. Count on the advantages and quality of the original that proves itself world-wide successfully, even under very hard conditions, for more than 25 years.

**Compact design**  
 One-piece:  
 - space saving  
 - no loss of screws

**Smooth surface**  
 Allows pipe expansion/contraction lengthwise.

**3 slotted holes for secure and accurate fixation**  
 For position adjustments.

**Center marks for threads and screws**  
 Perfect positioning.

**Size Reference Number (See Chart)**

**Safety lock**  
 The only pipe clamp with the extra strong double interlocking closing mechanism for absolute secure hold.  
 - wide clamping range  
 - high loading capacity, secure hold  
 - easy to open

**Strong swivel joints**  
 The patented joint mechanism together with high-quality plastics allows installation work also at very low temperatures.

**Flexible jaws**  
 In conjunction with the flexibility of the material, pipe tolerances can be compensated to a large extent.

**Slot for threaded Flange Nut**

**Less inventory**  
 The flexible locking system allows installation of multiple diameter pipes with fewer clamp sizes.

**Large base**  
 For high stability.

**Integrated thread**  
 The larger CLIC® is provided with an inside thread for mountings with 1/2" threads.

**Flange Nut**  
 For 1/4" - 20 Rod or Bolt

**Flange Nut Adapter**  
 Adapter for 3/8" - 16 Rod or Bolt

**Strut Hanger**  
 Mounts to standard 1-5/8" width Strut Channel. Includes screw for mounting to center of CLIC® Hanger.

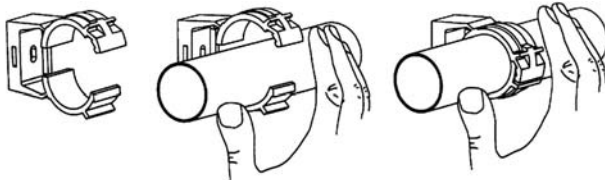
- No corrosion
- Electromagnetically neutral
- Noise absorbing
- Internationally certified
- Recyclable plastics
- Halogen-free, CFC-free
- Diverse colors

**CLIC® Spacer**



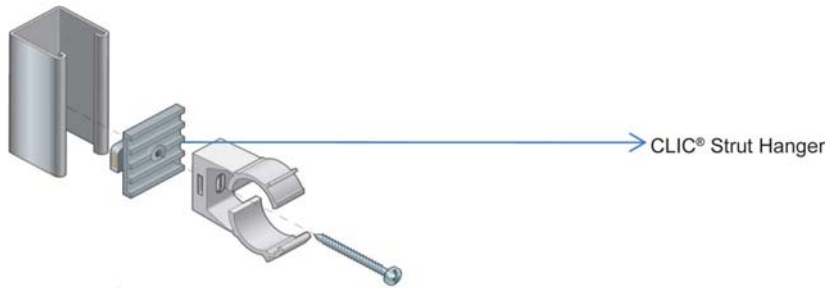
For indoor and outdoor mounting of CLIC® plastic cable clamps at a distance of 1/8 - 4 inches.

**Easy to install**



Simply mount CLIC®, push pipe in by hand, grips and locks by applying slight pressure. To open: unlock the CLIC® latch with screwdriver.

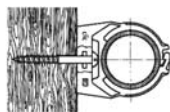
**Strut Hanger**



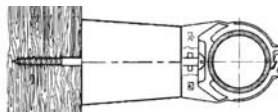
For 2-1/2" to 4" use 2 #10 screws 2 1/2" long on each hanger.  
**Use flat washers on screw head as necessary.**

**Typical Installation**

**Wood**

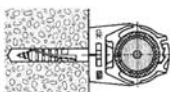


with wood screw

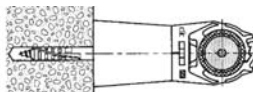


with wood screw and CLIC® spacer

**Concrete**



with wood screw and nylon plug



with wood screw, CLIC® spacer and nylon plug

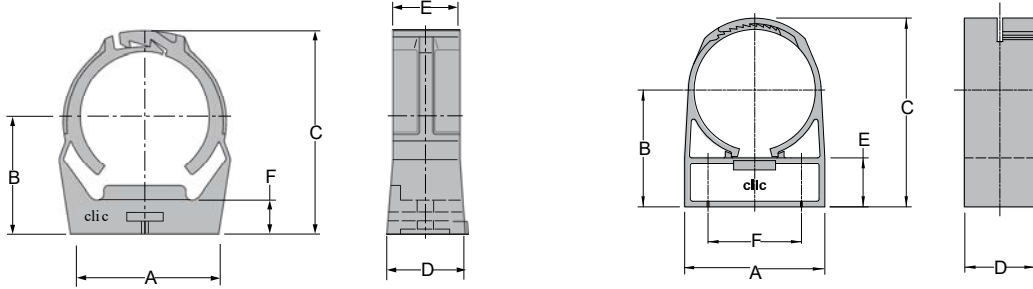
For 2-1/2" to 4" use 2 screws on each hanger.

Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas  
 See Spears® Product Sourcebook for product offerings

# Pipe & Hangers Technical Technical Information & Dimensions



## Technical Information - Clamps



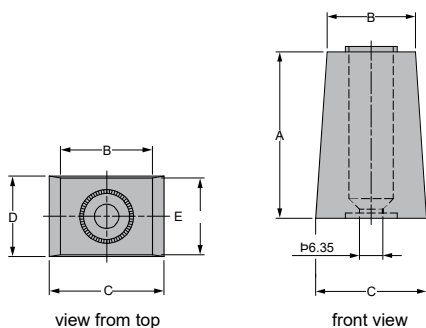
1/8" through 2" Dimensions

2-1/2" through 4" Dimensions

CLIC® Type	Pipe Size [inches]	CLIC® TOP Part Number	CLIC® TOP Working Load [lbs. Force]*	CLIC® Economical Part Number	CLIC® Working Load*	Clamping Range [inches]	A [inches]	B [inches]	C [inches]	D [inches]	E [inches]	F [inches]
8	8mm	CLIC-8M	38.2	CLIC2-8M	30.3	19/64-23/64	11/16	11/16	1-1/32	11/16	19/32	5/16
10	1/8 IPS	CLIC-001	41.6	CLIC2-001	33.7	23/64 - 29/64	11/16	11/16	1-1/32	11/16	19/32	5/16
12	1/4 IPS	CLIC-002	45.0	CLIC2-002	35.9	29/64 - 9/16	13/16	25/32	1-1/8	11/16	19/32	5/16
17	3/8 IPS	CLIC-003	52.8	CLIC2-003	42.7	21/32 - 49/64	29/32	15/16	1-13/32	25/32	21/32	5/16
15	1/2 CTS	CLIC-005CTS	49.5	CLIC2-005CTS	39.3	9/16 - 21/32	27/32	3/4	1-9/32	11/16	19/32	5/16
20	1/2 IPS	CLIC-005	56.2	CLIC2-005	44.9	49/64 - 27/32	1	1	1-9/16	25/32	21/32	5/16
22	3/4 CTS	CLIC-007CTS	60.7	CLIC2-007CTS	48.3	27/32 - 31/32	1-1/8	1-1/32	1-21/32	25/32	21/32	5/16
25	3/4 IPS	CLIC-007	67.4	CLIC2-007	53.9	31/32 - 1-3/32	1-7/32	1-1/8	1-25/32	25/32	11/16	11/32
28	1 CTS	CLIC-010CTS	71.9	CLIC2-010CTS	58.4	1-3/32 - 1-7/32	1-5/16	1-1/4	1-15/16	13/16	11/16	11/32
32	1 IPS & 1-1/4 CTS	CLIC-012CTS/010	83.2	CLIC2-012CTS/010	67.4	1-7/32 - 1-25/64	1-1/2	1-3/8	2-5/32	27/32	11/16	3/8
36	1-1/2 TUBING	CLIC-015-TUBING	98.9	CLIC2-015-TUBE	71.9	1-25/64-1-35/64	1-21/32	1-7/16	2-11/32	27/32	23/32	3/8
40	1-1/4 IPS & 1-1/2 CTS	CLIC-015CTS/012	89.9	CLIC2-015CTS/012	80.9	1-35/64 - 1-45/64	1-13/16	1-1/2	2-17/32	27/32	3/4	3/8
47	1-1/2 IPS	CLIC-015	105.7	CLIC2-015	84.3	1-53/64 - 1-63/64	2-1/8	1-23/32	2-7/8	7/8	25/32	13/32
51	2 CTS	CLIC-020CTS	112.4	CLIC2-020CTS	89.9	1-63/64 - 2-21/64	2-5/16	1-27/32	3-1/8	29/32	25/32	13/32
59	2 IPS	CLIC-020	121.4	CLIC2-020	96.6	2-19/64 - 2-33/64	2-5/8	2-1/16	3-15/32	15/16	27/32	7/16
63	2-1/2 TUBING	CLIC-025-TUBING	121.4	CLIC2-025-TUBE	53.9	2-15/32 - 2-25/32	3-7/16	3-1/32	4-29/32	1-19/32	1-1/4	2-9/32
71	2-1/2 IPS	CLIC-025	98.9	CLIC2-025	69.7	2-25/32 - 3-5/32	3-7/16	3-1/32	4-29/32	1-19/32	1-1/4	2-9/32
80	3 IPS	CLIC-030	121.4	CLIC2-030	85.4	3-5/32 - 3-17/32	4-29/32	3-25/32	6-7/16	1-19/32	1-1/4	3-13/32
113	4 IPS	CLIC-040	188.8	CLIC2-040	132.6	4-29/64 - 5	5-1/2	4-5/32	7-3/32	1-19/32	1-1/4	4-1/32

\*With screw at 73°F; includes safety factor of approximately 3.

## Technical Information - Stand-Off Spacers



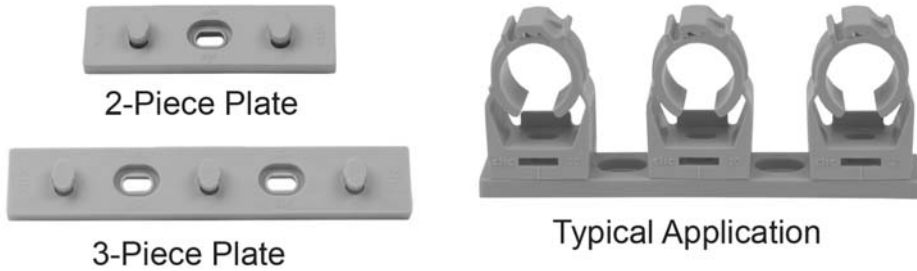
Spears® Part Number	A [inches]	B [inches]	C [inches]	D [inches]	E [inches]
CLIC-SP2	1/8	31/32	1	27/32	25/32
CLIC-SP5	7/32	31/32	1	27/32	25/32
CLIC-SP15	19/32	31/32	1-3/16	27/32	25/32
CLIC-SP25	1	31/32	1-3/16	27/32	25/32
CLIC-SP35	1-3/8	31/32	1-3/16	27/32	25/32
CLIC-SP45	1-25/32	31/32	1-3/16	27/32	25/32
CLIC-SP65	2-9/16	31/32	1-3/16	21/32	25/32
CLIC-SP85	3-11/32	1-3/16	1-31/32	1-3/16	29/32



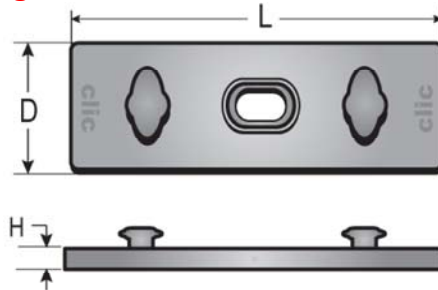
Pipe & Hangers Technical  
**Technical Information & Dimensions**

**CLIC® Top & CLIC® Mounting Base Plates**

Mounting Base Plates are designed for easy mounting of hangers for running 2 or 3 pipe lines. The MBP-2 accommodates 2 hangers while the MBP-3 accommodates 3-hangers. CLIC® Top or CLIC® hangers snap-fit onto the respective base plate facilitating quick connection and alignment of the paired hanger assemblies. Mounting Base Plates can be used with hangers designated for 1/8" to 3/4" IPS pipe and 1/2 to 1" CTS pipe (CLIC® # 8 to 28). For indoor or outdoor use.

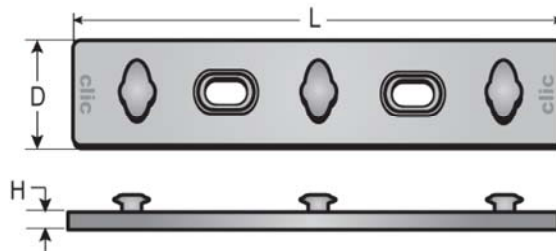


**2 Piece CLIC® Top Mounting Base Plates**



Spears® Part Number	D	H	L
MBP-2	3/4	3/16	2-3/4

**3-Piece CLIC Top & CLIC Mounting Base Plates**



Spears® Part Number	D	H	L
MBP-3	3/4	3/16	4-7/16