




re Component



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DEWALT D-CLIP Wire Component



Specifications

- Material: Carbon steel with Zinc Plating
- Approval: ICC-ES PMG-1786
- Code Listed: ICC-ES PMG-1786

Product Usage Instructions

Installation Specifications

- Description: D-Clip for 1/4 Anchor/Fastener
- Clearance Hole Size: 5/16
- Compatible with wire rope sizes DW1, DW2, and DW3

Installation Instructions

1. Pass the Loop End Wire Attachment through the opening of the D-Clip.
2. Select and install an appropriately sized anchor through the D-Clip into the base material following safety instructions.

Performance Data

Allowable Load Capacities for TOUGHWIRE™ D-Clip Assemblies in Normal-Weight Concrete:

Anchor Description	Nominal Anchor Diameter (in.)	Minimum Embedment Depth (in.)	TOUGH WIRE™ M Size	lbs. (kN)	Mounting Orientation
D-Clip with 5/16 Clearance Hole (Cat. No. DT WDCLIP025)	1/4	1 (25)	DW1	40 (0.2)	screw-bolt+TM Hex Washer Head

GENERAL INFORMATION

D-CLIP

Wire Component

PRODUCT DESCRIPTION

The D-Clip Wire Component is a one piece clip that is used to fasten TOUGHWIRE™ to the mounting surface. Can be mounted on flat or sloped surfaces. TOUGHWIRE™ Loop End Wire Assembly products (sold separately) are looped through the D-Clip, then anchored to the structure with a variety of DEWALT® Anchors and Fasteners (sold separately).

GENERAL APPLICATIONS AND USES

- HVAC duct
- Electrical and mechanical systems
- Luminaires and lighting systems
- Plumbing & piping supports
- Signage and displays
- Office partitions and panels



D-CLIP

FEATURES AND BENEFITS

- + Multiple Sizes – Available in 5/16 in. hole size and 1/2 in. hole size to pair with DEWALT® Anchors and Fasteners (sold separately).
- + Versatile Hanging – Can be mounted on flat or sloped surfaces.
- + ToughWire™ Compatible – Can be used with all three ToughWire™ wire diameters (DW1, DW2, and DW3, sold separately).

GUIDE SPECIFICATIONS

3 05 29 – Hangers and Supports for HVAC Piping and Equipment and 22 05 29 – Hangers and Supports for Plumbing Piping and Equipment. Hangers shall be the TOUGHWIRE™ system as supplied by DEWALT, Towson, MD. Hangers shall be installed by published instructions and the Authority Having Jurisdiction.

DEVICE MATERIAL

- Zinc Plated Carbon Steel

SIZE RANGE

- 5/16" Hole
- 1/2" Hole

SUITABLE MATERIAL PAIRING

- TOUGHWIRE™ Loop End Wire Assembly

CODE LISTED

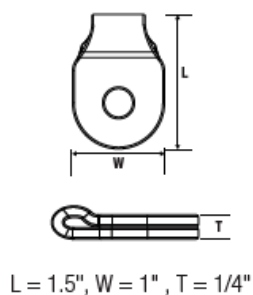
- ICC-ES PMG-1786

MATERIAL SPECIFICATIONS

Hanger/Device Component	Component Material
D-Clip	Carbon steel
Zinc Plating	AsTM b633 (Fe/Zn5) Min. plating requirements for mild service condition

INSTALLATION SPECIFICATIONS

Description	Clearance Hole Size	Suggested DEWALT® Anchor(s)
D-Clip for 1/4" Anchor/Fastener	5/16"	1/4" screw-bolt+
D-Clip for 3/8" Anchor/Fastener	1/2"	3/8" screw-bolt+
All three wire rope sizes, DW1, DW2, and DW3, can be considered for use with both D-Clip parts.		



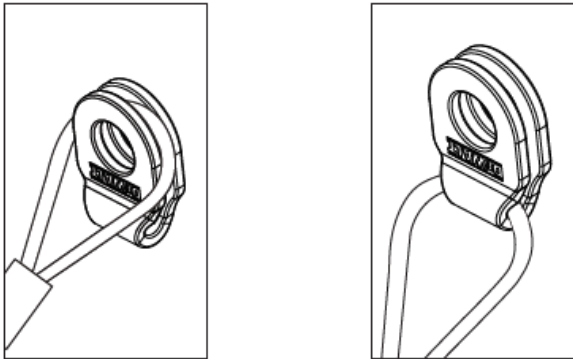
INSTALLATION INSTRUCTIONS

Step 1

Pass the Loop End Wire Attachment through the opening of the D-Clip.

- **Note:** A loop created with a TOUGHLOCK™ device may also be used.

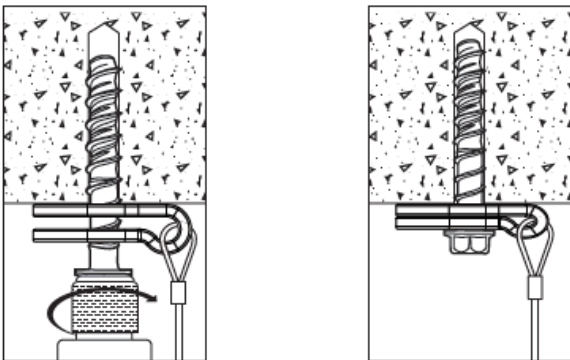
- **Note:** Must follow safety instructions for tools.



Step 2

Select and install an appropriately sized anchor through the D-Clip into the base material to the required minimum embedment.


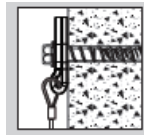
- **Note:** The two sides of the D-Clip should be compressed together when the anchor is fully installed.
- **Note:** Refer to the specific Anchor Installation Instructions



PERFORMANCE DATA

Allowable Load Capacities for TOUGHWIRE™ D-Clip Assemblies in Normal-Weight Concrete^{1,2,3,4,5,6,7,8}

				Minimum Concrete Compressive Strength = 3,000 psi
				lbs. (kN)
	Nominal Anchor Diameter	Minimum Embedment		

Anchor Description	Diameter (in.)	Depth in (mm)	TOUGHWIRE™ Size	Mounting Orientation	
					
D-Clip with 5/16" Clearance Hole (Cat. No. DTWDCLIP025)					
screw-bolt+™ Hex Washer Head	1/4"	1 (25)	DW1	40 (0.2)	40 (0.2)
			DW2	125 (0.6)	125 (0.6)
			DW3	300 (1.3)	300 (1.3)
spike® Mushroom Head	1/4"	1 (25)	DW1	40 (0.2)	40 (0.2)
			DW2	125 (0.6)	125 (0.6)
			DW3	195 (0.9)	300 (1.3)
		1-1/4 (31)	DW3	275 (1.2)	300 (1.3)

Power-stud ®+ sD1	1/4"	1-1/8 (28)	DW1	40 (0.2)	40 (0.2)
			DW2	125 (0.6)	125 (0.6)
			DW3	300 (1.3)	300 (1.3)
UltraCon® Hex Washer Head / Trim Fit Hex Hea d	5/16"	1 (25)	DW1	40 (0.2)	40 (0.2)
			DW2	125 (0.6)	125 (0.6)
			DW3	185 (0.8)	300 (1.3)
		1-3/4 (45)	DW3	300 (1.3)	300 (1.3)
D-Clip with 1/2" Clearance Hole (Cat. No. DTWDCLIP044)					
			DW1	40 (0.2)	40 (0.2)

screw-bolt+ ™ Hex Washer Head	3/8"	1-1/2 (38)	DW2	125 (0.6)	125 (0.6)
			DW3	300 (1.3)	300 (1.3)
spike® Mushroom Head	3/8"	1-3/4 (45)	DW1	40 (0.2)	40 (0.2)
			DW2	125 (0.6)	125 (0.6)
			DW3	300 (1.3)	300 (1.3)
Power-stud ®+ sD1	3/8"	1-5/8 (41)	DW1	40 (0.2)	40 (0.2)
			DW2	125 (0.6)	125 (0.6)
			DW3	300 (1.3)	300 (1.3)

1. Tabulated load values are for anchors installed in uncracked concrete. Concrete compressive strength must be at minimum at the time of installation.
2. In unshaded cells, the capacity of the wire rope controls the failure in the assembly.
3. In shaded cells, the capacity of the anchor in concrete controls the failure in the assembly.
4. Allowable capacities are based on a safety factor of 4.0.
5. The minimum base material thickness should be 3-1/2 inches.
6. Tabulated data is based on a minimum spacing distance of 2-3/4 inches for 1/4" and 5/16" diameter anchors and a minimum spacing distance of 4 inches for 3/8" diameter anchors.
7. Tabulated data is based on a minimum edge distance of 3-1/2 inches.
8. Nominal anchor length must exceed the minimum embedment depth + 1/4 inch.

CONDITIONS OF USE



Do not use in corrosive environments, e.g., chlorinated environments.



For use in dry, interior locations only.



ALWAYS wear safety glasses when working with TOUGHWIRE™.



ALWAYS wear safety gloves when working with TOUGHWIRE™.

ORDERING INFORMATION

D-Clip				
Cat. No.	Description	Clearance Hole Diameter (in.)	Pack Qty.	Carton Qty.

DTWDCLIP025	D-Clip for 1/4" Anchor/Fastener	5/16"	50	300
DTWDCLIP044	D-Clip for 3/8" Anchor/Fastener	1/2"	50	300

TOUGHWIRE™ Loop End

Cat. No.	TOUGHWIRE™ Size	TOUGHWIRE™ Cable Length (ft)	Pack Qty.	Carton Qty.
DTW0106LE	DW1	6	75	300
DTW0112LE	DW1	12	50	200
DTW0120LE	DW1	20	25	100
DTW0206LE	DW2	6	25	100
DTW0212LE	DW2	12	25	100
DTW0220LE	DW2	20	25	100
DTW0235LE	DW2	35	25	100
DTW0306LE	DW3	6	25	100
DTW0312LE	DW3	12	25	100
DTW0320LE	DW3	20	10	40
DTW0335LE	DW3	35	15	30



TOUGHLOCK™ Wire Locking Device

Cat. No.	TOUGHWIRE™ Size	Pack Qty.	Carton Qty.
DTWTOUGHLO CK01	DW1	100	1000
DTWTOUGHLO CK02	DW2	50	500
DTWTOUGHLO CK03	DW3	25	150

STRUTLOCK™ Wire Locking Devices

Cat. No.	TOUGHWIRE™ Size	Pack Qty.	Carton Qty.
DTWsTrUTLOC K02	DW2	15	90

DTWsTrUTLOC K03	DW3	10	60
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SQUARELOCK™ Wire Locking Device

Cat. No.	TOUGHWIRE™ Size	Pack Qty.	Carton Qty.
SQUARELOCK™ Device Without EPDM Gasket			
DTWsQLOCK0 2	DW2	50	300
DTWsQLOCK0 3	DW3	20	120
SQUARELOCK™ Device With EPDM Gasket			
DTWsQLOCKP 02	DW2	50	300
DTWsQLOCKP 03	DW3	20	120

TOUGHWIRE™ Cable Cutter

C	Description	Pack Qty.	Carton Qty.
DTWHANDCUT TEr	Cutters for DW1, DW2 and DW3 TOUGHWIRE™ Cable	1	10



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FAQS


- **What wire rope sizes are compatible with the D-Clip?**

All three wire rope sizes, DW1, DW2, and W3, can be considered for use with both D-Clip parts.

- **What is the minimum concrete compressive strength required for installation?**

The minimum concrete compressive strength required is 3,000 psi.

Documents / Resources

	<p>DEWALT D-CLIP Wire Component [pdf] User Guide</p> <p>DW1, DW2, DW3, D-CLIP Wire Component, D-CLIP, Wire Component, Component</p>
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References

- [User Manual](#)

◆ Component, D-CLIP, D-CLIP Wire Component, DEWALT, DW1, DW2, DW3, Wire

■ Dewalt Component

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