



CSI: DIVISION: 22 00 00 — PLUMBING  
Section: 22 05 29 — Hangers and Supports for Plumbing Piping and Equipment

DIVISION: 23 00 00 — HEATING, VENTILATING AND AIR CONDITIONING (HVAC)  
Section: 23 05 29 — Hangers and Supports for HVAC Piping and Equipment

**Product certification system:**

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

**Product:** Hangers for Pipe, Duct and Conduit Supports

**Listee:** CEAS Attachments / ISAT Total Support – Divisions of Tomarco Contractor Specialties  
14848 Northam Street  
La Mirada, CA 90638  
[www.CEASattachments.com](http://www.CEASattachments.com)

**Compliance with the following codes:**

2024, 2021, 2018, 2015, 2012 and 2009 *International Mechanical Code*® (IMC)  
2024, 2021, 2018, 2015, 2012 and 2009 *International Plumbing Code*® (IPC)  
2024, 2021, 2018, 2015, 2012 and 2009 *International Residential Code*® (IRC)  
2024, 2021, 2018, 2015, 2012 and 2009 *Uniform Mechanical Code*® (UMC)\*  
2024, 2021, 2018, 2015, 2012 and 2009 *Uniform Plumbing Code*® (UPC)\*  
2025, 2022, 2019, 2016, 2013 and 2010 *California Plumbing Code* (CPC)  
2025, 2022, 2019, 2016, 2013 and 2010 *California Mechanical Code* (CMC)  
2023, 2020 and 2017 *City of Los Angeles Plumbing Code*  
2023, 2020 and 2017 *City of Los Angeles Mechanical Code*

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**Compliance with the following standards:**

MSS SP-58-2018, Pipe Hangers and Supports Materials, Design, Manufacture, Selection, Application, and Installation  
ANSI/CAN/UL 203, Pipe Hanger Equipment for Fire Protection Service (11<sup>th</sup> Ed.)  
UL 2239, Hardware for the Support of Conduit, Tubing and Cable (2<sup>nd</sup> Ed.)  
ICC-ES PMG LC 1041 (February 2017) Listing Criteria for Pipe, Duct, Conduit Support and Hangers  
IAPMO PS 95-2018e3, Drain, Waste, and Vent Hangers and Plastic Pipe Support Hooks  
SMACNA HVAC Duct Construction Standards 4th edition, Chapter 5, Tables 5-1, 5-1M and 5-2

Identification:

The product or package must bear the manufacturer’s name, model number, and the ICC-ES PMG logo.

The product and/or its associated packaging or documentation shall identify the maximum load rating.

Installation:

Hangers for Pipe, Duct and Conduit Supports recognized in this report shall be installed in accordance with manufacturer’s published installation instructions and applicable codes.

Fastener options shall be in accordance with the manufacturer’s recommendations.

Maximum load ratings shall be in accordance with this report.

Duct installation shall be in accordance with Figures 1-3 of this report and in accordance with Chapter 5 of the SMACNA HVAC Duct Construction Standards, 3<sup>rd</sup> Edition.

Hangers and supports for exposed cabling are outside the scope of this report and are certified under UL E240801.

Models:

**Table 1 – WEDGY MODELS**

Part #	Connection Type	Cable Dia.	Wedgy Device	Max. Capacity
Fig 900 <sup>1,2,3,4,6</sup>	Wedgy Loop Hanger	No. 2 (3/32")	SWP2	≤ 2" NPS <sup>9</sup>
		No. 3 (1/8")	SWP3	≤ 3-1/2" NPS <sup>9</sup>
		No. 3 (1/8")	SWX3	≤ 4" NPS <sup>9</sup>
		No. 4 (3/16")	SWX4	≤ 8" NPS <sup>9</sup>
Fig 901 <sup>1,2,3,4,6</sup>	Wedgy Clevis Hanger	No. 2 (3/32")	SWP2	≤ 2" NPS <sup>9</sup>
		No. 3 (1/8")	SWP3	≤ 3-1/2" NPS <sup>9</sup>
		No. 3 (1/8")	SWX3	≤ 4" NPS <sup>9</sup>
		No. 4 (3/16")	SWX4	≤ 8" NPS <sup>9</sup>
Fig 902 <sup>1,2,3,4,6</sup>	Wedgy J-Hanger	No. 2 (3/32")	SWP2	≤ 2" NPS <sup>9</sup>
		No. 3 (1/8")	SWP3	≤ 3-1/2" NPS <sup>9</sup>
		No. 3 (1/8")	SWX3	≤ 4" NPS <sup>9</sup>
		No. 4 (3/16")	SWX4	≤ 8" NPS <sup>9</sup>
WEDGY12 <sup>4,5</sup>	Adjustable Device for #1 Cable	No. 1 (1/16")		77 Lbs.
WEDGY12 <sup>1,2,3,4,5,7</sup>	Adjustable Device for #2 Cable	No. 2 (3/32")		158 Lbs.
WEDGY23 <sup>1,2,3,4,5,7</sup>	Adjustable Device for #2 and #3 Cable	No. 2 (3/32")		158 Lbs.
		No. 3 (1/8")		314 Lbs.
SW2 <sup>1,2,3,4,5,7</sup>	Single Wedgy into 16g CRC	No. 2 (3/32")		150 Lbs.
SW3 <sup>1,2,3,4,5,7</sup>		No. 3 (1/8")		150 Lbs.
SW2 <sup>1,2,3,4,5,7</sup>	Pressed into 16g CRC	No. 2 (3/32")		150 Lbs.
SW3 <sup>1,2,3,4,5,7</sup>		No. 3 (1/8")		150 Lbs.
SW2 <sup>1,2,3,4,5,7</sup>	Pressed into 12g Strut	No. 2 (3/32")		163 Lbs.
SW3 <sup>1,2,3,4,5,7</sup>		No. 3 (1/8")		300 Lbs.
SWP2 <sup>1,2,3,4,5,7</sup>	Slotted 12g Strut	No. 2 (3/32")		163 Lbs.
SWP3 <sup>1,2,3,4,5,7</sup>		No. 3 (1/8")		289 Lbs.
SWX3 <sup>1,2,3,4,7</sup>	Threaded onto 16g CRC	No. 3 (1/8")		333 Lbs.

SWX3 <sup>1,2,3,4,7</sup>	Threaded onto 12g or 14g Strut	No. 3 (1/8")		333 Lbs.
SWX4 <sup>1,2,3,4,7</sup>		No. 4 (3/16")		800 Lbs.
DSCN <sup>5,8</sup>	Lower Connection	No. 1 (1/16")	WEDGY12	77 Lbs.
		No. 2 (3/32")	WEDGY12 OR 23	173 Lbs.
		No. 3 (1/8")	WEDGY23	173 Lbs.
	Top Connection	No. 1 (1/16")	WEDGY12	77 Lbs.
		No. 2 (3/32")	WEDGY12 OR 23	103 Lbs.
		No. 3 (1/8")	WEDGY23	103 Lbs.
DSCL2N <sup>5,8</sup>	Lower Connection	No. 2 (3/32")	SWP2	173 Lbs.
DSCL3N <sup>5,8</sup>		No. 3 (1/8")	SWP3	173 Lbs.
DSCLNSWX3 <sup>8</sup>		No. 3 (1/8")	SWX3	246 Lbs.
DSCU2N <sup>5,8</sup>	Top Connection	No. 2 (3/32")	SWP2	103 Lbs.
DSCU3N <sup>5,8</sup>		No. 3 (1/8")	SWP3	103 Lbs.
DSCUNSWX3 <sup>8</sup>		No. 3 (1/8")	SWX3	129 Lbs.

Notes: All Models listed in this table are compliant with ICC LC 1041. Maximum load rating based on all components in the system (cable and connection type)

1 - Compliant with ANSI/MSS SP-58

2 - Compliant with UL 203

3 - Compliant with IAPMO PS-95

4 - Compliant with UL 2239

5 - SMACNA verified as support alternative. See TYPICAL HVAC DUCT INSTALLATION DETAILS included in this document for limitations.

6 - Connection to structure must meet the load requirements set forth in Table 2 of this report.

7 - UL 203 and ANSI/MSS SP-58 compliant only when used for trapeze installations or "Multiple Supports." (See ANSI/MSS SP-58 Sect. 7.3 for additional information)

8 - Device capacities shown are into a minimum 24-gauge sheet metal with 4ea #10 HWH screws.

9 - Sizes referenced are for pipe only. Hanger sizes may be increased to accommodate insulation.

**Table 2 – DESIGN LOAD RATINGS FOR PIPE SIZES<sup>1</sup>**

Pipe Diameter	Min. Design Load Ratings <sup>1</sup>
3/8" - 2-1/2" NPS	150 Lbs.
3" NPS	200 Lbs.
3-1/2" NPS	210 Lbs.
4" NPS	250 Lbs.
5" NPS	360 Lbs.
6" NPS	480 Lbs.
8" NPS	760 Lbs.

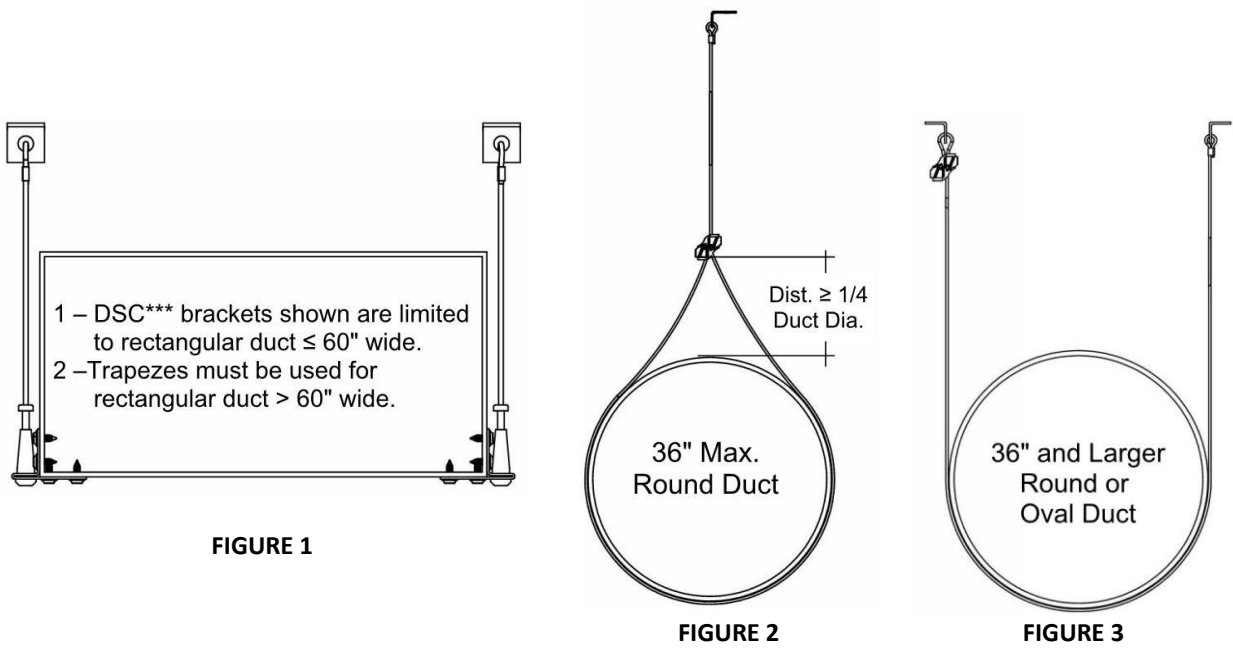
Note 1 - Per ANSI/MSS SP-58, the values shown in this table apply to the entire assembly including pipe attachment, rod, fixtures, and building attachment. (See ANSI/MSS SP-58 - Table 1)

**Table 3 – ANGLE LOAD RATING<sup>1</sup>**

Part #	Connection Type	Cable Dia.	Wedgy Device	Maximum Load an at angle from vertical (lbs.)			
				0°	15°	30°	45°
Fig 900	Wedgy Loop Hanger	No. 2 (3/32")	SWP2	163	156	140	114
		No. 3 (1/8")	SWP3	289	277	249	202
		No. 3 (1/8")	SWX3	333	320	290	235
		No. 4 (3/16")	SWX4	800	768	696	566
Fig 901	Wedgy Clevis Hanger	No. 2 (3/32")	SWP2	163	156	140.	114
		No. 3 (1/8")	SWP3	289	277	249.	202
		No. 3 (1/8")	SWX3	333	320	290	235
		No. 4 (3/16")	SWX4	800	768	696	566
Fig 902	Wedgy J-Hanger	No. 2 (3/32")	SWP2	163	156	140.	114
		No. 3 (1/8")	SWP3	289	277	249.	202
		No. 3 (1/8")	SWX3	333	320	290	235
		No. 4 (3/16")	SWX4	800	768	696	566
WEDGY12	Adjustable Device for #1 and #2 Cable	No. 1 (1/16")		77	74	66	54
		No. 2 (3/32")		158	152	136	111
WEDGY23	Adjustable Device for #2 and #3 Cable	No. 2 (3/32")		158	152	136	111
		No. 3 (1/8")		314	301	270	220
SW2	Pressed into 16g CRC	No. 2 (3/32")		150	144	129	105
SW3		No. 3 (1/8")		150	144	129	105
SW2	Pressed into 12g Strut	No. 2 (3/32")		163	156	140	114
SW3		No. 3 (1/8")		300	288	258	210
SWP2	Slotted 12g Strut	No. 2 (3/32")		163	156	140	114
SWP3		No. 3 (1/8")		289	277	249.	202
SWX3	Threaded onto 16g CRC	No. 3 (1/8")		333	320	290	235
SWX3	Threaded onto 12g or 14g Strut	No. 3 (1/8")		333	320	290	235
SWX4		No. 4 (3/16")		800	768	696	566
DSCN	Lower Connection	No. 1 (1/16")	WEDGY12	77	74	66	54
		No. 2 (3/32")	WEDGY12 OR 23	173	166	149	121
		No. 3 (1/8")	WEDGY23	173	166	149	121
	Top Connection	No. 1 (1/16")	WEDGY12	77	74	66	54
		No. 2 (3/32")	WEDGY12 OR 23	103	99	89	72
		No. 3 (1/8")	WEDGY23	103	99	89	72
DSCL2N	Lower Connection	No. 2 (3/32")	SWP2	173	166	149	121
DSCL3N		No. 3 (1/8")	SWP3	173	166	149	121
DSCLNSWX3		No. 3 (1/8")	SWX3	246	236	205	184
DSCU2N	Top Connection	No. 2 (3/32")	SWP2	103	99	89	72
DSCU3N		No. 3 (1/8")	SWP3	103	99	89	72
DSCLNSWX3		No. 3 (1/8")	SWX3	129	124	108	206

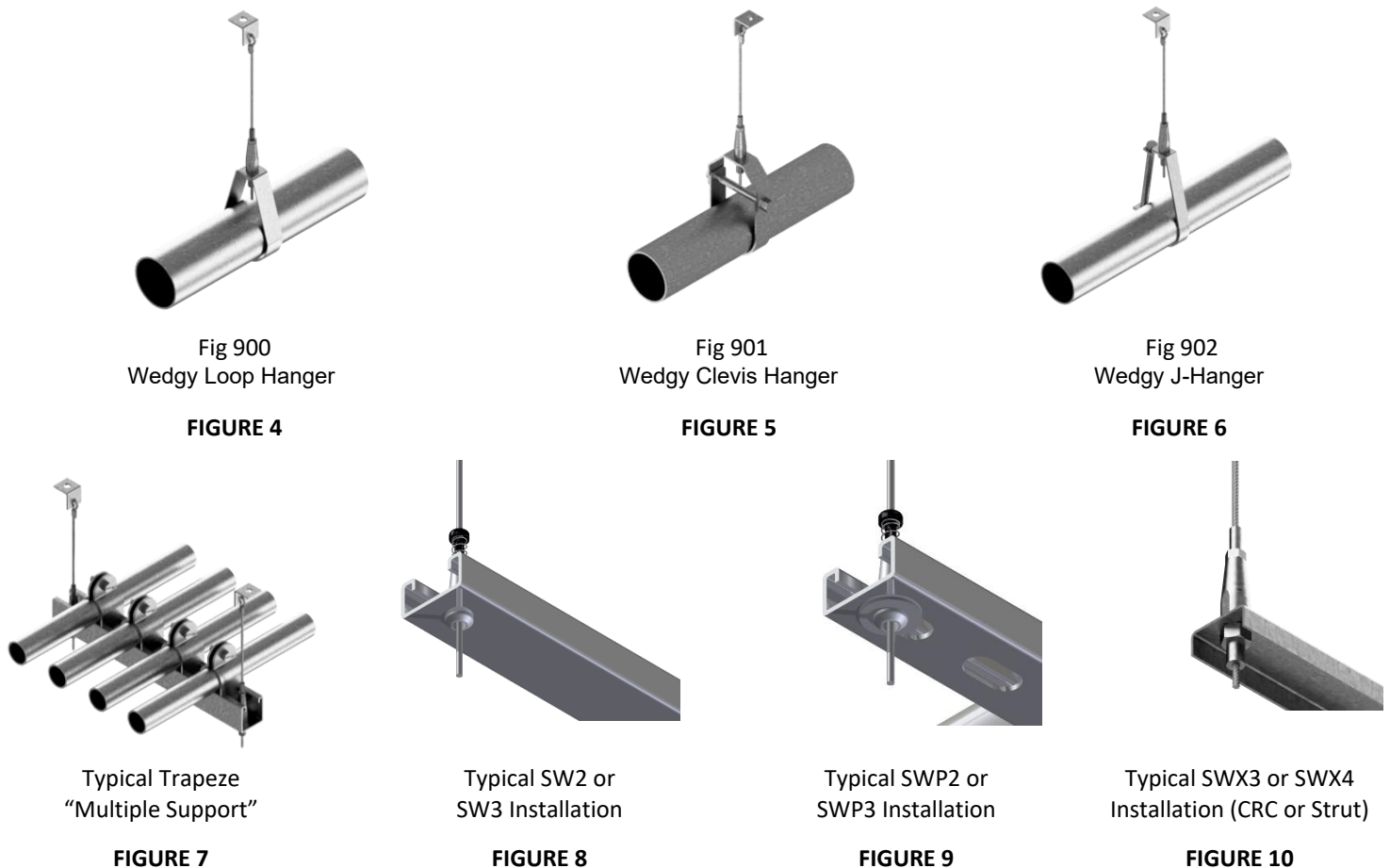
*Note 1 – For hanging cable suspended at angle, the angle between the cable and vertical position shall not exceed 45 degrees. When installed outside of vertical, the load capacity of the overall suspension is reduced as shown in table 3.*

**TYPICAL HVAC DUCT INSTALLATION DETAILS<sup>1</sup>**



*Note 1 - Details shown per SMACNA DCS Ch. 5 Figure 5-5*

**TYPICAL SINGLE HUNG PIPE INSTALLATION DETAILS<sup>1</sup>**



*Note 1 - Details shown are compliant with ICC LC 1041, ANSI/MSS SP-58, UL 203, IAPMO PS-95 and UL 2239. Dimensions and Connections to structure will vary based on project requirements. Refer to Tables 1 and 2 for capacities and limitations of use.*

## Conditions of listing:

1. Hangers for Pipe, Duct and Conduit Supports recognized in this report shall be installed in accordance with manufacturer's published installation instructions and applicable codes.
2. Hangers and supports for exposed cabling are outside the scope of this report and are certified under UL E240801.
3. Hangers for Pipe, Duct and Conduit Supports recognized in this report are under a quality control system with annual surveillance inspection with ICC-ES.