

Blue Point Fasteners

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Submittal of Product Performance

Including approvals





ICC Evaluation Service, Inc.

- ESR-1530
- Lab testing by Specialized Testing, Report # STQA50354 an IAS (International Accreditation Service, IAS TL228) accredited testing lab.



Spec of Fasteners

- Manufactured from AISI 1060 steel wire, heat-treated to a Rockwell C hardness of 52-55.
- Mechanically zinc-plated to a minimum thickness of 0.0002 inch (0.005 mm).
- The zinc plating conforms to ASTM B 695.

Performance Stats

Part Number	Shank Diameter (Inch)	Min. Penetration (inch)	Allowable Tension, Shear And Oblique Tension Values For Blue Point Ceiling Clip Assemblies Installed in Normal-Weight Concrete (lbf)		
			$f_c = 2500 \text{ psi}$		
			Tension (LBS)	Shear (LBS)	Oblique (LBS)
PDAC90-32F10	0.145	1	154	239	197

Part Number	Shank Diameter (Inch)	Min. Penetration (inch)	Allowable Tension and Shear Values for Blue Point Ceiling Clip Assemblies Installed Through Steel Deck Into 3,000 psi Sand-Lightweight Concrete (lbf)			
			Lower Flute Tension (LBS)	Lower Flute Shear (LBS)	Upper Flute Tension (LBS)	Upper Flute Shear (LBS)
PDAC90-32F10	0.145	1	149	257	230	274
PDAC120-32F10	0.145	1	146	255	194	229

Notes:

1. Data in accordance with ICC-ES acceptance criteria for Fasteners Power-driven into Concrete.
2. Meets AC70 and ASTM E 1190-95 acceptance criteria.
3. For SI: 1 inch = 25.4 mm, 1 psi = 6.89kPa, 1 lbf = 4.45N.
4. The allowable tension values are for the angle clip fastener assembly only. Connected materials shall be investigated separately in accordance with accepted design criteria.
5. The angle clips are produced from 0.078-inch-thick (1.8 mm) zinc-plated steel having a minimum of 0.0002-inch-thick (0.005 mm) plating.
6. Various job sites may require testing to determine job site values.
7. Safety: The fasteners shall not be installed until the concrete has reached the designated minimum compressive strength.
8. Minimum concrete thickness is three times the fastener embedment into the concrete.



12 Gauge Pre-tied Wire

Model No.	Wire Model No.	Angle Clip Part Number	Length	Twisting Loop Number
WR04AC32	WRSC04	PDAC90-32F10	4'	≥4
WR05AC32	WRSC05	PDAC90-32F10	5'	≥4
WR06AC32	WRSC06	PDAC90-32F10	6'	≥4
WR08AC32	WRSC08	PDAC90-32F10	8'	≥4
WR10AC32	WRSC10	PDAC90-32F10	10'	≥4
WR12AC32	WRSC12	PDAC90-32F10	12'	≥4
WR14AC32	WRSC14	PDAC90-32F10	14'	≥4
WR16AC32	WRSC16	PDAC90-32F10	16'	≥4
WR18AC32	WRSC18	PDAC90-32F10	18'	≥4
WR20AC32	WRSC20	PDAC90-32F10	20'	≥4

- The above length is before wire is pre-tied
- All wires are conforming to ASTM A641-92
- Diameter 12 Gauge (.105)
- Typical Ultimate Capacity = 600 lbs.
- Tensile Strength 75 ksi
- Elongation 26%
- Yield Stress ≥59 ksi



12 Gauge Straight & Cut Wire (Hanger Wire)

Model No.	Diameter	Length
WRSC04	0.105"	4'
WRSC05	0.105"	5'
WRSC06	0.105"	6'
WRSC08	0.105"	8'
WRSC10	0.105"	10'
WRSC12	0.105"	12'
WRSC14	0.105"	14'
WRSC16	0.105"	16'
WRSC18	0.105"	18'
WRSC20	0.105"	20'

- All wires are conforming to ASTM A641-92
- Diameter 12 Gauge (.105)
- Typical Ultimate Capacity = 600 lbs.
- Tensile Strength 75 ksi
- Elongation 26%
- Yield Stress \geq 59 ksi
- Zinc Thickness \geq 25g/m²