

Bluepoint Fastening, Inc.

www.bpfasteners.com

Submittal of Product Performance

Including approvals





ICC Evaluation Service, Inc.

- ESR-1530
- Lab testing by Specialized Testing, Report # STQA50164/STQA50236 an IAS (International Accreditation Service, IAS TL228) accredited testing lab.
- Other data presented by International testing labs.



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 Series	Shank Diameter (Inch)	Min. Penetration (inch)	Install in Stone Aggregate Concrete Concrete Compressive Strength Allowable Load-Ultimate Load					
			2500PSI			4000PSI		
			Tension (LBS)	Shear (LBS)	Oblique (LBS)	Tension (LBS)	Shear (LBS)	Oblique (LBS)
PDAC90-25F10	0.145	7/8	102	---	117	118 560	112 987	132 740
PDAC90-32F10	0.145	1-1/8	145	---	150	115 720	146 1030	151 994
PDACTH90-22F10	0.150	3/4	121	---	165	143 821	174 991	

Part Number Series	Shank Diameter (Inch)	Min. Penetration (inch)	Allowable Working Values Install in 3000 PSI Lightweight Concrete Allowable Load-Ultimate Load				
			3000PSI Lightweight with Metal Decking				
			Lower Flute Tension (LBS)	Lower Flute Shear (LBS)	Lower Flute Oblique (LBS)	Upper Flute Tension (LBS)	Upper Flute Shear (LBS)
PDAC90-25F10	0.145	7/8	73	215	-----	97	295
PDAC90-32F10	0.145	1-1/8	152	265	-----	230	274
PDACTH90-22F10	0.150	3/4	62	170	-----	80	265

Notes:

1. Data in accordance with ICC-ES acceptance criteria for Fasteners Power-driven into Concrete. Please check with Bluepoint Fastening for other material.
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 0.075-inch-thick (1.9 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 time the fastener embedment into the concrete.
9. Other testing data can be obtained online or direct from the manufacturer.

12 Gauge wire (Hanger Wire)

Model No.	Cat. No.	Shank Diameter (inch)	Wire Length (inch)	Tensile Range	Zinc Thickness	Elongation	Yield Stress
WRSC02	124102	0.105"	2"	75 ksi max	≥25g/m ²	26%	≥59 ksi
WRSC04	124104	0.105"	4'	75 ksi max	≥25g/m ²	26%	≥59 ksi
WRSC05	124105	0.105"	5'	75 ksi max	≥25g/m ²	26%	≥59 ksi
WRSC06	124106	0.105"	6'	75 ksi max	≥25g/m ²	26%	≥59 ksi
WRSC07	124107	0.105"	7'	75 ksi max	≥25g/m ²	26%	≥59 ksi
WRSC08	124108	0.105"	8'	75 ksi max	≥25g/m ²	26%	≥59 ksi
WRSC09	124109	0.105"	9'	75 ksi max	≥25g/m ²	26%	≥59 ksi
WRSC10	124110	0.105"	10'	75 ksi max	≥25g/m ²	26%	≥59 ksi
WRSC11	124111	0.105"	11'	75 ksi max	≥25g/m ²	26%	≥59 ksi
WRSC12	124112	0.105"	12'	75 ksi max	≥25g/m ²	26%	≥59 ksi
WRSC14	124114	0.105"	14'	75 ksi max	≥25g/m ²	26%	≥59 ksi
WRSC16	124116	0.105"	16'	75 ksi max	≥25g/m ²	26%	≥59 ksi



WRSC18	124118	0.105"	18'	75 ksi max	$\geq 25\text{g/m}^2$	26%	≥ 59 ksi
WRSC20	124120	0.105"	20'	75 ksi max	$\geq 25\text{g/m}^2$	26%	≥ 59 ksi

12 Gauge wire (Hanger Wire) Pre-tied

Model No.	Cat. No.	Wire Model No.	Angle Clip Part Number	Twisting Loop Number
WR04AC25	124504	WRSC04	PDAC90-25F10	≥ 4
WR05AC25	124505	WRSC05	PDAC90-25F10	≥ 4
WR06AC25	124506	WRSC06	PDAC90-25F10	≥ 4
WR07AC25	124507	WRSC07	PDAC90-25F10	≥ 4
WR08AC25	124508	WRSC08	PDAC90-25F10	≥ 4
WR09AC25	124509	WRSC09	PDAC90-25F10	≥ 4
WR10AC25	124510	WRSC10	PDAC90-25F10	≥ 4
WR11AC25	124511	WRSC11	PDAC90-25F10	≥ 4
WR12AC25	124512	WRSC12	PDAC90-25F10	≥ 4
WR14AC25	124514	WRSC14	PDAC90-25F10	≥ 4
WR16AC25	124516	WRSC16	PDAC90-25F10	≥ 4
WR18AC25	124518	WRSC18	PDAC90-25F10	≥ 4
WR20AC25	124520	WRSC20	PDAC90-25F10	≥ 4
WR04AC32	124524	WRSC04	PDAC90-32F10	≥ 4
WR05AC32	124525	WRSC05	PDAC90-32F10	≥ 4
WR06AC32	124526	WRSC06	PDAC90-32F10	≥ 4
WR07AC32	124527	WRSC07	PDAC90-32F10	≥ 4



WR08AC32	124528	WRSC08	PDAC90-32F10	≥4
WR09AC32	124529	WRSC09	PDAC90-32F10	≥4
WR10AC32	124530	WRSC10	PDAC90-32F10	≥4
WR11AC32	124531	WRSC11	PDAC90-32F10	≥4
WR12AC32	124532	WRSC12	PDAC90-32F10	≥4
WR14AC32	124534	WRSC14	PDAC90-32F10	≥4
WR16AC32	124536	WRSC16	PDAC90-32F10	≥4
WR18AC32	124538	WRSC18	PDAC90-32F10	≥4
WR20AC32	124540	WRSC20	PDAC90-32F10	≥4
WR02AC	124602	WRSC02	CL-1	≥4
WR04AC	124604	WRSC04	CL-1	≥4
WR06AC	124606	WRSC06	CL-1	≥4

- All wires are conforming to ASTM A641-92
- The above length is before pre tied