

BIFIX® 5.5XL & 6.3XL 3P EcoZin

Carbon Steel Self-Drilling Roofing Screw



PRODUCT DESCRIPTION

BIFIX® 5.5XL & 6.3XL 3P EcoZin, carbon steel self-drilling roofing screw with a hex washer head and bonded EPDM sealing washer, designed for fastening steel roofing and wall cladding sheets to steel substructures. Coated with JOPAL advanced EcoZin™ corrosion protection system.

TYPICAL APPLICATIONS / KEY FEATURES

- Steel roofing sheet to steel purlin fixing
- Steel wall cladding to steel framing
- Single skin roofing systems
- Built-up roofing systems
- Steel cladding and façade systems

- Carbon steel self-drilling roofing screw
- 19 mm bonded steel washer with 3 mm EPDM sealing washer
- EcoZin™ high corrosion resistance coating system
- No pre-drilling required
- Reliable weather-tight seal
- Drilling Capacity t_1+t_2 : ≤ 6 mm

SIZE RANGE

Art. Code	Diameter (mm)	Length (mm)	Drill Point	Clamping Thickness (mm)	Washer Ø (mm)	Pcs/Box
10035502519	5.5	25	3P	0-10	19	500
10035504019	5.5	40	3P	0-25	19	500
10035506019	5.5	60	3P	0-45	19	500
10035508019	5.5	80	3P	0-65	19	500
10036302519	6.3	25	3P	0-10	19	500
10036304019	6.3	40	3P	0-25	19	500
10036306019	6.3	60	3P	0-45	19	500
10036308019	6.3	80	3P	0-65	19	500

TECHNICAL DATA

General Technical Data			
Property	Unit	Ø5.5 mm	Ø6.3 mm
Material Standard	—	Carbon Steel (SAE 1022)	Carbon Steel (SAE 1022)
Head Type	—	Hex Washer Head	Hex Washer Head
Drive Size	mm	Hex 8	Hex 10
Washer Diameter	mm	19	19
EPDM Thickness	mm	3	3
Coating System	—	EcoZin™ 1000-1500 SST	EcoZin™ 1000-1500 SST
Recommended Installation Speed	rpm	1800	1800
Tensile Load	kN	13.3	17.5
Single Shear Load	kN	8.3	13.5
Torsional Strength	Nm	10.9	17.0

Pull-Out Resistance P _o — Steel Substrate (Fu ≥ 450 MPa)								
Steel Substrate t ₂ (mm)	0.9	1.2	1.5	1.9	2.6	3.4	4.2	5.3
Gauge	20	18	16	14	12	10	8	5
Pull-Out Ø5.5 (kN)	1.92	2.55	3.20	3.99	5.59	7.19	8.79	11.18
Pull-Out Ø6.3 (kN)	2.20	2.93	3.66	4.57	6.40	8.23	10.06	12.81

Pull-Over Resistance P _{ov} — Steel Sheet (Fu ≥ 450 MPa)						
Steel Sheet t ₁ (mm)	0.4	0.5	0.6	0.7	0.9	1.2
Gauge	26	25	24	22	20	18
Ø16 mm Washer (kN)	4.91	5.73	6.56	8.20	9.85	13.11
Ø19 mm Washer (kN)	5.84	6.81	7.78	9.73	11.70	15.57

Pull-Over Resistance — Aluminium Sheet (Fu ≥ 215 MPa)						
Aluminium Sheet t ₁ (mm)	0.4	0.5	0.6	0.7	0.9	1.2
Gauge	26	25	24	22	20	18
Ø16 mm Washer (kN)	2.35	2.74	3.13	3.92	4.71	6.26
Ø19 mm Washer (kN)	2.79	3.25	3.72	4.65	5.59	7.44