

BIFIX® SS304 4.8XL 1P

Stainless Steel A2 Self-Drilling Stitching Screw



PRODUCT DESCRIPTION

BIFIX® SS304 4.8XL 1P, stainless steel A2 self-drilling stitching screw with a hex washer head and bonded EPDM sealing washer, designed for metal-to-metal fixing of side lap joints in steel roofing and wall cladding systems.

TYPICAL APPLICATIONS / KEY FEATURES

- Side lap joints of profiled steel roofing sheets
 - Side lap joints of profiled steel wall cladding sheets
 - Metal-to-metal fixing of thin steel sheets
 - Roofing and façade sheet overlap connections
 - Light gauge steel sheet assemblies
- Stainless Steel A2 (304) self-drilling screw
 - Hex washer head (Hex 8 drive)
 - 14 mm bonded steel washer with 2 mm EPDM sealing washer
 - Excellent corrosion resistance
 - No pre-drilling required
 - Reliable weather-tight seal
 - Drilling Capacity $t_1+t_2 \leq 2$ mm

SIZE RANGE

Art. Code	Diameter (mm)	Length (mm)	Drill Point	Clamping Thickness(mm)	Washer Ø (mm)	Pcs/Box
14014801614	4.8	16	1P	0-3	14	500
14014802014	4.8	20	1P	0-4	14	500

TECHNICAL DATA

General Technical Data		
Property	Unit	Value
Material Standard	—	Stainless Steel A2 (304)
Head Type	—	Hex Washer Head
Drive Size	mm	Hex 8
Washer Diameter	mm	14
EPDM Thickness	mm	2
Corrosion Resistance	—	Stainless Steel A2
Recommended Installation Speed	rpm	1300
Tensile Load	kN	8.5
Single Shear Load	kN	5.5
Torsional Strength	Nm	5.5

Pull-Out Resistance P _o — Steel Substrate (Fu ≥ 450 MPa)					
Steel Substrate t _s (mm)	0.91	1.21	1.52	1.90	2.00
Gauge	20	18	16	14	12
Pull-Out Resistance (kN)	1.67	2.23	2.79	3.48	3.67

Pull-Over Resistance P _{ov} — Steel Sheet (Fu ≥ 450 MPa)						
Steel Sheet t ₁ (mm)	0.46	0.53	0.61	0.76	0.91	1.21
Gauge	26	25	24	22	20	18
Pull-Over Resistance (kN)	4.30	5.02	5.74	7.17	8.62	11.47

Pull-Over Resistance — Aluminium Sheet (Fu ≥ 215 MPa)						
Aluminium Sheet t ₁ (mm)	0.46	0.53	0.61	0.76	0.91	1.21
Gauge	26	25	24	22	20	18
Pull-Over Resistance (kN)	4.30	5.00	5.74	7.15	8.60	11.45