Self-drilling stitching screw with shank reamer and EPDM

Reduced drill point for stitching thin metal sheets. Dimensions, performance and application conditions refer to the specified Tecfi execution.

Tecfi PLC01

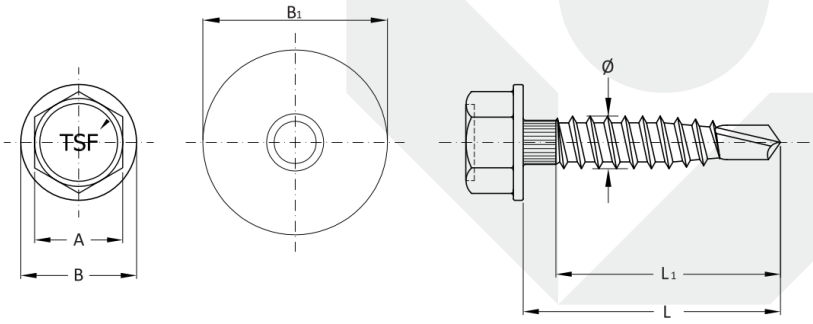
Reference: Tecfi PLC01 · Thread: Self-drilling stitching · Drive: External hexagon · Units: mm



Representative geometry photograph. Material and finish are specified separately.

Technical drawing and legend

Tecfi PLC01



Ø	Outside screw diameter
A	Width across flats
B	Integral flange diameter
B1	EPDM washer diameter; PLC01 version only
L1	Threaded section plus point; to be specified for the requested execution
L	Required length, to be specified in the quotation

Drawing not to scale, extracted from the Tecfi technical data sheet.

Dimensions

Nominal dimensions in mm for the specific Tecfi execution. The source does not give numerical tolerances for these dimensions; no generic tolerances or DIN/ISO equivalences are assigned. Confirm the execution drawing in the quotation.

Separate washer: bore Ø 5.1 mm, outside diameter B1 = 14 mm.

Ø	A	B	B1
4,8	8	10	14

Materials and finishes

Component / material	Finish / execution
Case-hardened steel screw	Zinc plating 8 µm, CrVI-free
Pre-galvanized steel washer with EPDM seal	Preassembled

Data refer to Tecfi PLC01. Dueemme confirms material, finish and actual availability in the quotation.

Documentation

Document	Status
Declaration of conformity	Subject to order agreement
Material certificate	Subject to order agreement
EN 10204 2.2 test report	Subject to order agreement
EN 10204 3.1 inspection certificate	Subject to order agreement
Dimensional inspection report	Subject to order agreement
Coating report	Subject to order agreement
Other documentation	Subject to order agreement

Batch documents are not automatically included: specify your requirements in the RFQ.

Drilling and application conditions

Parameter	Value for the specific execution
Minimum metal substrate	0,6 mm
Maximum drilling capacity	2 mm
Drilling speed	1800-2500 rpm

Characteristic mechanical data

Parameter	Value
Mt (Nm)	8,9
Nk (kN), s = 2 mm	2,2
Nk (kN), s = 1 mm	1,8
Nk (kN), s = 0,6 mm	1,5
Vk (kN)	0,62

Mt: breaking torque, not installation torque. Nk and Vk: characteristic tensile and shear breaking loads, not allowable design loads. Values apply to the documented execution; connection verification must consider sheets, thicknesses, geometry and installation conditions. In the performance table, s denotes the supporting sheet thickness. Control tightening to compress the seal correctly without damaging it.

Technical references

Tecfi PLC01 · Tecfi IT/EN technical data sheet