

CERTIFICATE

Of Conformity To The Requirements Of :
**ASTM F1387-19 Standard Specification For Performance Of
Piping And Tubing Mechanically Attached Fittings
For DAWSONS-TECH COMPONENTS LLP**

ORDER NO : 146819598

CERTIFICATE NO. : 146819598/01

MANUFACTURER : DAWSONS-TECH COMPONENTS LLP
Unit No. DD - 6 & 7, Khan Real Industrial Estate,
N. H. 08, Pelhar, Vasai Phata, Vasai (East),
Dist. Palghar - 401208, Maharashtra, India.

PRODUCT : DAWSONS-TECH Twin Ferrule Compression Tube Fittings

This certificate of Conformity is based on an evaluation of samples of the above mentioned products. This is to Certify that, the tested samples are in conformity with relevant provisions of ASTM F1387-19 **PIPING AND TUBING MECHANICALLY ATTACHED FITTINGS**. This Certificate does not imply assessment of the production of the product and does not permit the use of TUV Rheinland mark of conformity. The holder of the Certificate is authorized to use this certificate in connection with the report of the conformity according to the above standard.

For, TUV Rheinland (India) Pvt. Ltd.

Location : Mumbai, India

Date : August 11, 2023



Malcolm Dadina
(General Manager - Industrial Services)

TUV Rheinland (India) Pvt. Ltd.

D.S Business Galleria, Office no – 1209, 12th Floor, L.B.S Marg,
Kanjurmarg (W), Mumbai, Maharashtra, 400 078, India
Tel. : +91-22-61083700, Fax : +91-22-61083737

Test Report For Type Examination of Twin Ferrule Compression Tube Fittings

TEST : TYPE EXAMINATION	TEST REPORT / TEST PLAN NO. 146819598/01	
Manufacturer / Person responsible for putting the equipment on the market : M/s. DAWSONS-TECH COMPONENTS LLP Unit No. DD - 6 & 7, Khan Real Industrial Estate, N. H. 08, Pelhar, Vasai Phata, Vasai (East), Dist. Palghar - 401208, Maharashtra, India.	Manufacturing Plant : M/s. DAWSONS-TECH COMPONENTS LLP Unit No. DD - 6 & 7, Khan Real Industrial Estate, N. H. 08, Pelhar, Vasai Phata, Vasai (East), Dist. Palghar - 401208, Maharashtra, India.	
Technical data of Type / Type Family : DAWSONS-TECH Twin Ferrule Compression Tube Fittings		
Type, Design and Size of Tube Fittings	Straights, Elbows, Tees, Cross Fittings Size : 1/8" to 1" OD Tube For details, please refer DAWSONS-TECH detail catalogue	Straights, Elbows, Tees, Cross Fittings Size : 3mm to 25mm OD Tube For details, please refer DAWSONS-TECH detail catalogue
Pressure Rating (Bar)	UPTO 690 Bar (10,000 PSI) Depending on Fittings Size & Tube	UPTO 690 Bar (10,000 PSI) Depending on Fittings Size & Tube
Intended Use	Instrumentation and Tubing System Applications within Oil, Gas Petrochemical, Nuclear, Hydrocarbon, Power Plant, Hydraulic, Marine Industries, etc.	
Type Identifications	Compression Twin Ferrule Tube Fittings	
Manufacturer Logo	DAWSONS-TECH Twin Ferrule Tube Fittings	
Service Temperature (max) TS (°C)	Dependent Upon Material -198°C to 538°C (SS316)	Dependent Upon Material -198°C to 538°C (SS316)
Testing Based on : DAWSONS-TECH established development test and validation criteria		
Directive : N/A		
Standards : ASTM F1387-19		
Deviations : N/A		
Tests and Examinations :		
1. Examination of Test Specimens	→	Refer Test Report No. 146819598/A2
2. Pneumatic Proof Test	→	Refer Test Report No. 146819598/A3
3. Hydrostatic Proof Test	→	Refer Test Report No. 146819598/A4
4. Hydrostatic Impulse & Repeated Assembly Test	→	Refer Test Report No. 146819598/A5 & A9
5. Flexure Fatigue & Repeated Assembly Test	→	Refer Test Report No. 146819598/A6 & A9
6. Tensile Test	→	Refer Test Report No. 146819598/A7
7. Hydrostatic Burst Test	→	Refer Test Report No. 146819598/A8
8. Rotary Flex Test	→	Refer Test Report No. 146819598/A10
9. Thermal Cycling Test	→	Refer Test Report No. 146819598/S2
10. Elevated Temperature Soak Test	→	Refer Test Report No. 146819598/S3
11. Vibration Test	→	Refer Test Report No. 146819598/S8



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TEST : TYPE EXAMINATION	TEST REPORT / TEST PLAN NO. 146819598/01
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Previously Performed Tests : DAWSONS-TECH Twin Ferrule Compression Tube Fittings have been tested for Pneumatic Proof Test, Hydrostatic Proof Test, Hydraulic Impulse & Repeated Assembly Test, Flexure Fatigue & Repeated Assembly Test, Tensile Test, Hydrostatic Burst Test, Rotary Flex Test, Thermal Cycling Test, Elevated Temperature Soak Test, Vibration Test, etc.

Selection of Test Samples : 1/4" ODT, 3/8" ODT, 1/2" ODT, 3/4" ODT & 1" ODT

Quantity : Refer Test and Examination Report

Type : Refer Test and Examination Report

Comments : The samples are representatives for the type. The Tests listed above were performed in compliance with the test requirements of the standards / regulations quoted in this test plan. The test results of item 1 - 11 have been examined for compliance with the primary test requirements of ASTM F1387-19 and found satisfactory.

Attachments : Test Report No. 146819598/A2, 146819598/A3, 146819598/A4, 146819598/A5 & A9, 146819598/A6 & A9, 146819598/A7, 146819598/A8, 146819598/A10, 146819598/S2, 146819598/S3, 146819598/S8

The data relevant to the object and the address have been electronically stored. The security of the data is granted.

Location : Mumbai, India

Date : August 11, 2023

For, TUV Rheinland (India) Pvt. Ltd.

MR DADINA


Malcolm Dadina
(General Manager - Industrial Services)

TUV Rheinland (India) Pvt. Ltd.

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