Specification
VSR80

For leak-tight but detachable connections with controlled hardness for easy installation

■ **VSR80**

bf bright finished
cleaning and testing acc.to ASTM A 632, S3

1. SURFACES QUALITIES

Tubes:	Inner surface	Outer surface
■ **VSR80**	**Ra values are not defined**	**Ra** $_{avg.}$ **≤ 1.0 µm (40 µin)** free of longitudinal and vertical scratches
Additional notes:	- Surface treatment: Cleaning and test procedure ASTM A 632, S3	

2. MATERIALS

■ **VSR80**	1.4404 / UNS S31603 (316L) 1.4571/S31635
Hardness equivalent to:	- max. 70-90 HRB* according to DIN EN ISO 6508-1 * comparable to ASTM E-384 (HV) and ASTM E 18-22 (HRB)

3. DIMENSIONS

Imperial:	according to ASTM A269 and DIN 11866 Series C	
OD x WT	1/16" (0,0625"x 0,010") to 1" (1,000" x 0,065 ")	1,59 mm x 0,25 mm to 25,40 mm x 1,65 mm
Length	min. 19.36 ft to max. 19.98 ft (6000 mm -100/+90)	

Metric:	according to DIN 11866 Series A	
Dimensions	3,00 mm x 0,50 mm to 28,00 mm x 1,50 mm	Length: 6000 mm -100/+90

Manufacturing process:	Seamless austenitic stainless steel tubes

4. QUALITY AND TEST PROCEDURES

Verification of basic test certificate

Visual inspection

Endoscopic inspection of bright finished tubes

Verification of dimensions

Roughness measurements

5. TECHNICAL TERMS OF DELIVERY

Tubes according to the following standards:

Tubes

Acc. to ASTM A 632 / A 269 / A 270, DIN EN 10217-7 / 10216-5 with a length of 19.35 ft - 19.98 ft (max. 10% short lengths of 9.8 ft min. possible)

Marking always with

DOCKWEILER / DW-Number / Dimension / Material / Heat number

Tubes are permanently marked in accordance with Dockweiler guideline AA 8.5.2-80.

6. DOCUMENTATION, PACKAGING AND SHIPPING

Documentation

The documentation result by the Dockweiler Inspection Certificate 3.1 according to DIN EN 10204.
Optional online documentation WebCert.

Packaging

The batch label on the foil contains the information VSR80.

Shipping

Delivery in tubular container or case for safe transport.