

DATASHEET

DMV 22.5 - Annex 1

Salzgitter Mannesmann Stainless Tubes has over 20 years of experience in the manufacture of seamless pipes and tubes for OCTG (Oil Country Tubular Goods).

1 – Applications

DMV 22.5 grade can be used in environments that contain CO₂ and chlorides which are frequently present in the well environment.

Indicative limits of fields of application are as follows:

- H₂S maximum partial pressure:
 - Solution Annealed: 15 psi
 - Cold Hardened: 1.5 psi
- Max temperature 230°C (450°F)
- CO₂ maximum 1500 psi partial pressure.

Note: The end user shall verify that the alloy is qualified for the use in the corrosive environment based on existing data or by performing appropriate corrosion tests.

2 – Usual Standards and Specification

This material is produced acc. to ISO 13680 (group 2 category 22-5-3), and acc. to customer specification as mutually agreed between the purchaser and Salzgitter Mannesmann Stainless Tubes.

Generally, grade comply with the requirements of the NACE MR0175 / ISO 15156-3.

3 – Available Grades

DMV provides the following grades according to ISO 13680 Table 3

- Grade 65: SA
- Grade 110: CH
- Grade 125: CH
- Grade 140: CH

Keys:

SA = solution annealed; CH = cold hardened

Grade 65 is offered in hot extruded condition, while Grade 110 and higher are obtained by additional cold working (either cold pilgering or cold drawing).
The intensity of cold working performed depends on the required yield strength. Intermediate grades are also available upon request. Please contact one of our sales offices, mentioned below.

4 – Available Dimensions

Tubing and casings API standard sizes.

Outside diameter:
up to 7" for CH grades
up to 9" 5/8 for SA grades

Lengths:
Tubing and casing: up to Range 3
(44 feet / 13.4 m)

Coupling mother pipes in the same grades are available in random lengths.

Tubes are delivered with plain ends suitable for threading or other premium connections.

5 – Typical Well Conditions

Typical well conditions for DMV 22.5						
Location	Grade	BHP	BHT	CO ₂	H ₂ S	Cl ⁻
	ksi	psi	°F	%	psi	ppm
Mississippi	110	10500	325	5	< 1	110000
Louisiana	125	16000	335	4	0.4	40000

6 – References

Frequently DMV 22.5 for Oil Country Tubular Goods applications is delivered according to project specific customer specifications:

Reference list for DMV 22.5			
Customer	Projekt	Grade	year of delivery
BGTunisie	Miskar	110	2006-2007
OMV	Pakistan	110	2004-2007
Marathon	UK	110	1995
Shell	USA	125	1996
Petrobras	Brasil	110	1998-2005
Total Libya	Al Jurf	65	2002-2007

Further information on projects is available upon request at our sales offices, mentioned on next page:

D A T A S H E E T

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