

TEST REPORT



DATE OF ISSUE : 20.11.2019

REPORT NO. : S-1066

ORDER NUMBER : 101390

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CUSTOMER : **Hansmark AS**
Kokstadflaten 13
5257 KOKSTAD

PROJECT : **Standard**

TYPE OF TEST : **Single Shear Test**

SPECIFICATION : **ASTM F606**

IDENTIFICATION OF TEST PIECE(S):

Material : Grade: **Syrefast / Galv**

Geometry :
Outer diameter [mm]: **16 / 20 / 25**
Sample length [mm]: **600**
Samples received: **18**
Sampling by Kiwa: **No**

Date approved: 20.11.2019

Vidar Lyngmo, DT Technician

Eventual test results apply only for the tested objects.

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Kiwa.no

Cutting sketch



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TEST SPECIMENS:

Shear specimens:

Identification:

S-1066

Notes:

Test specimens and rest material will be stored for three months unless otherwise is agreed.

The test was carried out in a normal laboratory environment unless otherwise stated.

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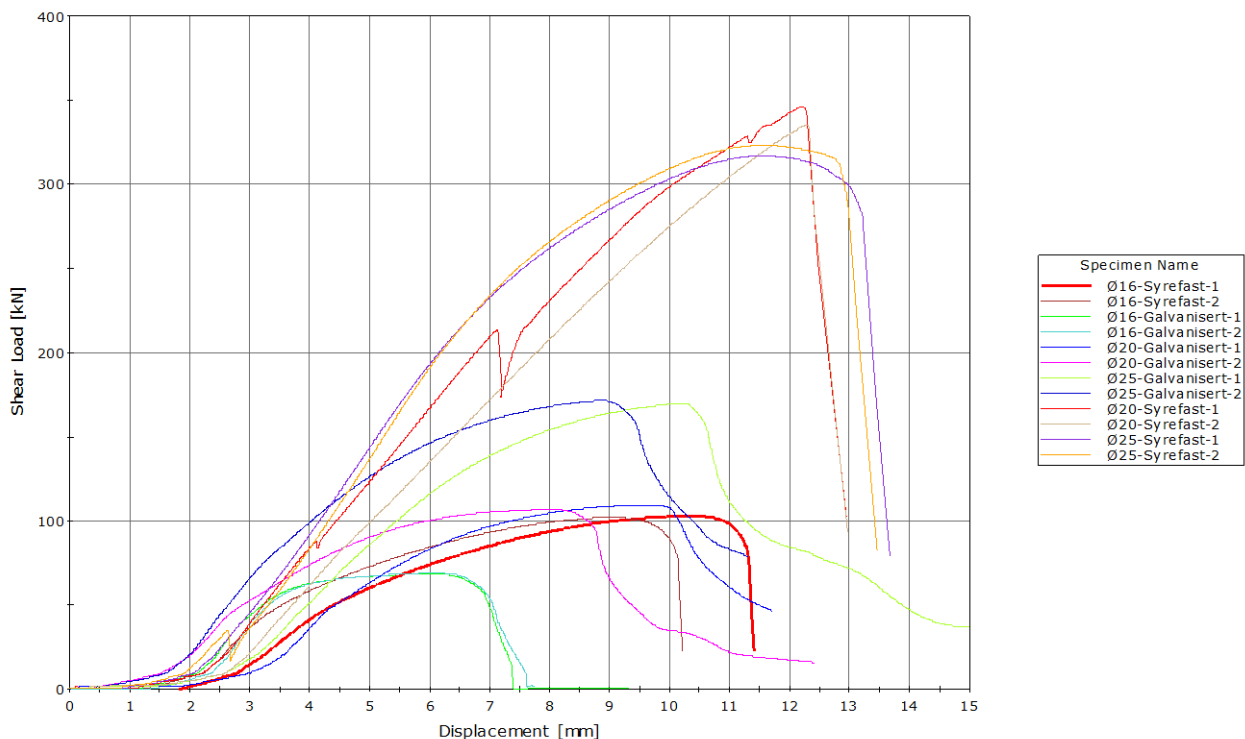
Single Shear Test

Testing machine: Instron 1500 kN

Test standard: ASTM F606/F606M-16

Single shear test

Sample	Dimension	Shear load [kN]	Displacement [mm]	Rate [mm/min]
Ø16-Syrefast-1	Ø16	102,6	10,32	10
Ø16-Syrefast-2	Ø16	102,0	9,05	10
Ø16-Galvanisert-1	Ø16	68,3	6,00	10
Ø16-Galvanisert-2	Ø16	68,7	6,07	10
Ø20-Galvanisert-1	Ø20	109,2	9,65	10
Ø20-Galvanisert-2	Ø20	106,8	8,00	10
Ø25-Galvanisert-1	Ø25	169,6	10,19	10
Ø25-Galvanisert-2	Ø25	171,3	8,91	10
Ø20-Syrefast-1	Ø20	345,9	12,22	10
Ø20-Syrefast-2	Ø20	335,7	12,29	10
Ø25-Syrefast-1	Ø25	317,2	11,50	10
Ø25-Syrefast-2	Ø25	323,4	11,56	10



Comment: The graph for Ø20-Syrefast-1 have some disturbance because two fixture support bolts went to fracture. These bolts are not relevant for the test and merely was attached to maintain centering in the grip section away from the actual test area. the centering was unaffected by the fracture due to the high clamping force in the machine grips.

Date:
14.11.2019

Performed by:
Nikolai Andersen