

Chemical composition, product (weight%)

| Heat | C | Si | Mn | P | S | Cr | Ni | Mo |
|--------|-------|-------|------|-------|--------|-------|-------|------|
| 042720 | 0.010 | 0.39 | 1.60 | 0.021 | <0.001 | 20.33 | 24.97 | 4.15 |
| | Cu | N | | | | | | |
| 042720 | 1.31 | 0.058 | | | | | | |

Tensile test at room temperature

| Lot | Yield strength | | Tensile strength | Elongation | |
|-------|----------------|-------|------------------|------------|----|
| | MPa | MPa | MPa | % | % |
| | Rp0.2 | Rp1.0 | Rm | A | 2" |
| 95241 | 282 | 308 | 621 | 48 | 45 |
| | 282 | 308 | 620 | 45 | 44 |

Hardness test

| Lot | Min | Max |
|-------|-----|-----|
| | HRB | HRB |
| 95241 | 75 | 75 |
| | 76 | 76 |

Following controls/tests have been satisfactorily performed:

- Flattening test.
- Flaring test
- 100% PMI-test.
- Intergranular corrosion test acc to ASTM A-262 PR.E
- Leak test: Eddy current test acc to ASTM A-1016.
- Visual inspection and dimensional control.

Heat Treatment:

Solution annealed and quenched.

Marking:

SANDVIK 2RK65 ASTM/ASME A/SA213 A269 COLD EN 10216-5 TC1 AW UNS N08904 EN 1.45 39 CFA SML 12.70 X 1.24 MM 1/2'' X 18 BWG/SWG HT 563073 SZ LOT 2051059-11 MADE BY SANDVIK IN CZECHIA *QA-TUBE*

The raw material is free from radioactive contamination.

Material free from mercury contamination.

No welding or weld repair.

Approved acc. AD 2000-Merkblatt W0 and certified acc. to Pressure Equipment Directive (2014/68/EU, Annex 1 para 4.3) by TUEV NORD; notified body, reg.no. 0045.

The number of tests are based on the size of the manufacturing lot before cutting to finished lengths.

The delivered products comply with the specifications and requirements of the order.

The material is manufactured according to a Quality system, approved and registered to ISO 9001:2015.



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Alleima, formerly Sandvik Materials Technology. During a brand transition period, both Sandvik and Alleima marking on products may exist.

TEST RESULTS TRANSFERRED FROM CERTIFICATE NO C-3356/20

