



SAMPLING DEVICES



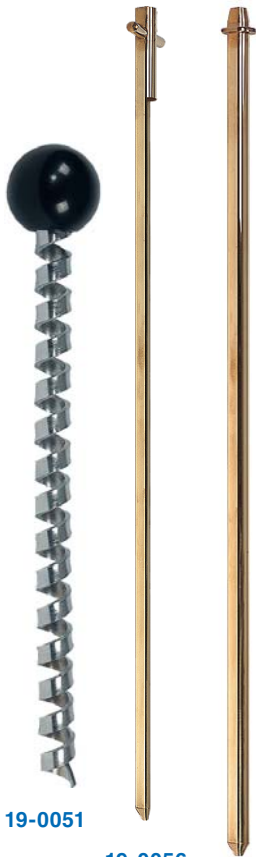


Scope of Application

Suitable for Constituents, Fuel, Grease, Oil and Wax.

Sampling Devices

ASTM D 270 (obs.), ASTM D 923, ASTM D 4057, ASTM D 4177, ISO 3170, ISO 15528, DIN 51750-1, DIN 51750-2, DIN 51750-3, DIN 53242-1 - 4 (obs.), EN 58, FTM 791-8001, JIS C2101



19-0051

19-0056

19-0005

Solid Materials

The boring sampling procedure is applicable for waxes, solid bitumens and other soft solids in barrels, cases, bags, and cakes, when they can not be melted and sampled as liquids.

Semi-Solid Materials

The grease sampling procedure is applicable for lubricating greases, soft waxes or soft bitumens (in consistency similar to grease) from kettles, drums, cans, tubes.

Liquid Materials

The tube sampling procedure is applicable for sampling liquids of 13.8 kPa (2 psia) RVP or less and semi-liquids in drums, barrels, and cans.

The bottle sampling procedure may be used for sampling liquids of 101 kPa (14.7 psia) RVP or less in tank cars and storage tanks.

The core thief sampling procedure is applicable for emulsified asphalts and other semi-liquids in tank cars and storage tanks.

Open Sampling Devices

Sampling Auger

ASTM D 4057 - DIN 51 750-3 (ASTM D 270, DIN 53 242-3) to take samples of non-liquid materials like greases, vaseline, waxes, paraffines etc.

- 19-0051 30.5 cm, brass, with handle
- 19-0052 50.0 cm, brass, with handle

Grease Sampling Tube

ASTM D 4057 - DIN 51 750-3 - EN 58 (ASTM D 270) to take samples from any specified level of hard greases and waxes

- 19-0056 50 cm, brass, with handle
- 19-0057 100 cm, brass, with handle

- 19-0001 **Sampling Tube**, steel, (90 cm)

- 19-0005 **Open-End Sampling Tube**, brass, (102 cm)
DIN 51 750-2 - EN 58 - ISO 3170
to take individual samples from smaller containers such as barrels, drums etc.

Closed Sampling Devices

- 19-0002 **Closed-End Sampling Tube** (100 cm), brass
ISO 3170
- 19-0003 **Closed-End Sampling Tube** (100 cm), steel alloy
- 19-0011 **Closed-End Sampling Tube** (300 cm), alloy steel
DIN 51 750-2 - EN 58
to take samples from any specified level of larger containers such as barrels, drums etc.

- 19-0012 **Closed-End Sampling Tube** (50 cm) with lowering chain (100 cm), brass
DIN 51 750-2 - ISO 3170
for liquid mineral oils

- 19-0013 **Elongation Kit**
ISO 3170
to extend a sampling tube to a total length of 1.5 m



19-0002

19-0011



Bottle Shaped Devices

- 19-0032 Tank Sampling Thief (BACON-bomb)(1 litre)**
 ASTM D 4057 - ASTM D 923 - DIN 51 750-2 - ISO 3170 - JIS C 2101 - JIS K2254
 (ASTM D 270, DIN 53 242-1)
 nickel plated brass, automatically opening bottom valve, outer Ø 80 mm, without lowering chain.
 (to take samples from the bottom or any specified container level for mineral oils and mineral oil products, insulating oils, special gasolines and solvent naphthas, light gas oils, fuel oils etc.)
- 19-0040 Sampling Can (1 litre)**
 ASTM D 4057 - DIN 51 750-2 - EN 58 - ISO 3170 (ASTM D 270)
 Brass with lead weighted false bottom,
 overall height 440 mm, height 302 mm, Ø approx. 80 mm, opening Ø 28.5 mm
 (to take samples from any specified container level, except the bottom.)
 (for liquid mineral oils)
- 19-0041 Sampling Bottle with metal cage, (approx. 1 litre)**
 ASTM D 4057 - DIN 51 750-2 - EN 58 - ISO 3170 (ASTM D 270)
 neck 29/32, height 200 mm, outside Ø 111 mm
 (to take samples from any specified container level, except the bottom)
- 19-0049 Metal Cage Bottle (1 U.S.-quart, cap 33 mm)**
 clear, pack of 12



19-0032



19-0040



19-0041



19-0070

Scoop Thermometers

- 19-0070 Tank and Well Scoop Thermometer**, range 0 to + 60: 1°C
 with scoop Ø 35 mm, length 100 mm, metal armature with ring and thermometer
- 19-0075 Thermometer** (0 to + 60: 1°C) fits 19-0070
- 19-0071 Tank and Well Scoop Thermometer**, range 0 to + 100: 1°C
 with scoop Ø 35 mm, length 100 mm, metal armature with ring and thermometer
- 19-0076 Thermometer** (0 to + 100: 1°C) fits 19-0071



19-0034

Accessories

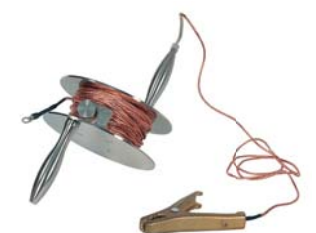
- 19-0039 Valve Pull Cord**, Perlon, 100 m (fuel and oil resistant)
- 19-0034 Lowering Rope & Valve Pull Cord**, hemp, 50 m, Ø 4 mm,
 (2 ropes of equal length are needed for a sampling bottle)
- 19-0035 Lowering Chain**, 5 m with 1 ring, construction, nickel plated brass
- 19-0036 Lowering Chain**, 10 m with 1 ring, construction, nickel plated brass
- 19-0037 Lowering Chain**, 15 m with 1 ring, construction, nickel plated brass
- 19-0080 Hand-Wheel** for non flammable samples
 with 30 m steel wire (Ø 1 mm, may cause sparks) and snaphook
- 19-0069 Hand-Wheel** for flammable samples
 with 30 m copper wire and snaphook, static bonding connection to avoid static electricity and made of anti spark-drawing materials



19-0080

Sample Containers

- 19-0045 Sample Bottles**, 500 ml
 glass with safety coating, divided, with plastic screw caps and rings
 Ø 86 x 176 mm (pack of 10)
- 19-0043 Sample Bottles**, 1000 ml
 glass with safety coating, divided, with plastic screw caps and rings
 Ø 101 x 225 mm (pack of 10)



19-0069

Spare Parts

- 19-0042 Glass Bottle**, 1000 ml (for 19-0041) | **19-0044 Stopper** (for 19-0041)



Scope of Application

Suitable for Aerosols,
Cemicals, Gas, Liquefied
Petroleum Gases

Sampling Devices with Valve

ASTM D 1265, ISO 4257, NF M41-001, BS 5309-2+3

Scope

Suitable for extracting **liquid** or **gas** samples
from pressurised bulk storage, and transferring to
laboratory equipment.

Sampling Devices with Single-Valve

ASTM D 1265, ISO 4257, NF M41-001, BS 5309-2+3



13-0968



13-0967

Sampling Vessel with Single-Valve

ASTM D 1265, ISO 4257, NF M41-001, BS 5309-2+3

- 670 psi (46 bar) max. working pressure
- cylinder & valve made of stainless steel (1316)
- straight-through valve with 1/8 in. BSP connection
- pressure tested and with UKAS certificate

13-0968 50 ml
13-0967 100 ml

Options & Accessories

19-0112 Charging Lead (High Pressure) - HANSEN, 1 m

for pressures up to 670 psi (46 bar), braided stainless steel cover
with HANSEN quick-couplings (1 male & 1 female end)

Quick Coupling (High Pressure) - HANSEN

for pressures up to 670 psi (46 bar)

19-0113 male
19-0114 female

99-0048 Charging Lead (Low Pressure) - SCHRADER 1 m

for pressures up to 200 psi (14 bar),
with SCHRADER quick-couplings (1 male & 1 female end)

16-1987 Quick Coupling (Low Pressure) - SCHRADER, female

for pressures up to 200 psi (14 bar).



Sampling Devices with Double-Valve
ASTM D 1265, BS 5309-2+3, NF M41-001

19-0150 Sampling Cylinder with Double-Valve, 75 ml
 ASTM D 1265, BS 5309-2+3, NF M41-001
Consisting of:
 • 1 cylinder (acc. DOT 3E requirements)
 • 2 right-angled valves with 1/4" NPTF outlet
 Overall dimensions (LxØ): approx. 35.2 x 4.4 cm

19-0151 Sampling Cylinder with Double-Valve, 150 ml
 ASTM D 1265, BS 5309-2+3, NF M41-001
Consisting of:
 • 1 cylinder (acc. DOT 3E requirements)
 • 2 right-angled valves with 1/4" NPTF outlet
 Overall dimensions (LxØ): approx. 43.8 x 4.4 cm

19-0152 Sampling Cylinder with Double-Valve, 300 ml
 ASTM D 1265, BS 5309-2+3, NF M41-001
Consisting of:
 • 1 cylinder (acc. DOT 3E requirements)
 • 2 right-angled valves with 1/4" NPTF outlet
 Overall dimensions (LxØ): approx. 46.3 x 5.1 cm

19-0153 Sampling Cylinder with Double-Valve, 500 ml
 ASTM D 1265, BS 5309-2+3, NF M41-001
Consisting of:
 • 1 cylinder (acc. DOT 3E requirements)
 • 2 right-angled valves with 1/4" NPTF outlet
 Overall dimensions (LxØ): approx. 58.1 x 5.1 cm

19-0154 Sampling Cylinder with Double-Valve, 1000 ml
 ASTM D 1265, BS 5309-2+3, NF M41-001
Consisting of:
 • 1 cylinder (acc. DOT 3A requirements)
 • 2 right-angled valves with 1/4" NPTF outlet
 Overall dimensions (LxØ): approx. 46.9 x 10.2 cm

19-0155 Sampling Cylinder with Double-Valve, 2250 ml
 ASTM D 1265, BS 5309-2+3, NF M41-001
Consisting of:
 • 1 cylinder (acc. DOT 3A requirements) with neckring & cap on both ends
 • 2 thread adapters, 1/2" NPTM to 1/4" NPTF
 • 2 right-angled valves with 1/4" NPTF outlet
 Overall dimensions (LxØ): approx. 66.5 x 10.2 cm

19-0156 Sampling Cylinder with Double-Valve, 3785 ml
 ASTM D 1265, BS 5309-2+3, NF M41-001
Consisting of:
 • 1 cylinder (acc. DOT 3A requirements) with neckring & cap on both ends
 • 2 thread adapters, 1/2" NPTM to 1/4" NPTF
 • 2 right-angled valves with 1/4" NPTF outlet
 Overall dimensions (LxØ): approx. 90.1 x 10.2 cm

Options

19-0160 Test Certificate acc. DOT 3E/A
 certifying a cylinder been manufactured & hydrostatically proof-tested at 3000 psig (206 bar) acc. DOT 3E or 3A requirements.
Note: certificate has to be ordered **together** with the cylinder!

Technical Data

Sample Cylinder

- stainless steel (SS316)
- operating pressure: 1800 psi (124 bar)
- hydrostatically proof-tested at 3000 psig (206 bar)
- manufactured & tested acc. DOT 3E or 3A requirements (certificate available on surcharge)

Control- & Shut-Off Valves (right-angled)

- stainless steel (SS316), 1/4" NPTF outlet, PTFE packing
- max. operating pressure: 6000 psi (414 bar)
- max. operating temperature: -54°C to +232°C
- CV factor: 0.42



19-0153



19-0154

MANUFACTURER OF PETROLEUM TEST EQUIPMENT SINCE 1873



PETROTEST BUILDING



DEVELOPMENT



PRODUCTION

ISO 9001
CERTIFIED
PROCESSES...

...ALL UNDER
ONE ROOF!



QUALITY CONTROL

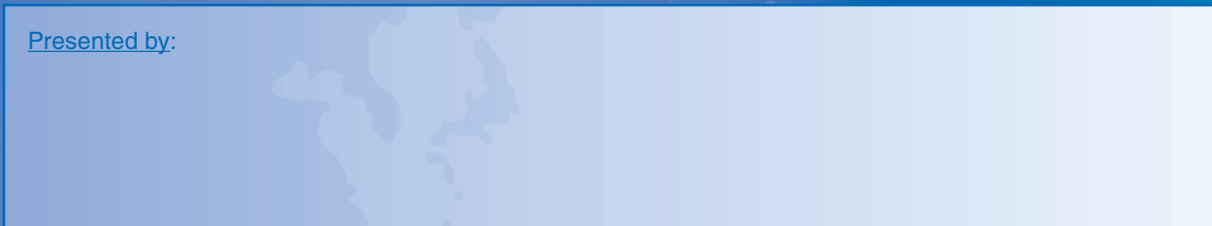


TRAINING



STORAGE

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