

The logo for DIAVITE AG, featuring the company name in a bold, red, sans-serif font. The letters 'A' and 'V' are stylized with a red diagonal line passing through them. The logo is set against a white background with a thin red border.

DIAVITE AG

THE CONCEPT

Roughness measurement
quick. simple. flexible.



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DIAVITE AG

Your partner

Tactile and optical roughness measuring instruments have been manufactured by DIAVITE AG for over 64 years. We are ideally located with our headquarters in Bülach very close to Zurich Airport. With currently 8 employees, we produce the highest quality for your needs in workshops and measuring rooms. We are your specialists when it comes to roughness measurement.

More than 800 business partners support the sale of our products while providing quality customer service.

Our distribution network is constantly expanding in many countries around the globe. Some of our partners also have their own local warehouses.

The production of special equipment is part of our company philosophy. These customised applications are developed together with our customers. Needless to say, we also offer professional after-sales service for all our products. Even with older roughness meters and tracers, a maintenance or repair is often possible.

TRACER WITHOUT SKID

ONLY WITH MOTOR UNIT VHF



1



2



3



4



5



6

1 BORE TRACER WITHOUT SKID BZFH

Smallest bore: Ø 1.5 mm
Maximum
measuring depth: 15 mm
Gear tooth flanks: from module 0.75

2 BORE TRACER WITHOUT SKID BZFH-06

Smallest bore: Ø 0.8 mm
Maximum
measuring depth: 15 mm
Gear tooth flanks: from module 0.5

3 SLOT TRACER WITHOUT SKID NFH

Maximum slot depth: 25 mm
Minimum slot width: 1.5 mm

4 SLOT TRACER WITHOUT SKID NFH-06

Maximum slot depth: 10 mm
Minimum slot width: 1.0 mm

5 ANGLE TRACER WITHOUT SKID WFH

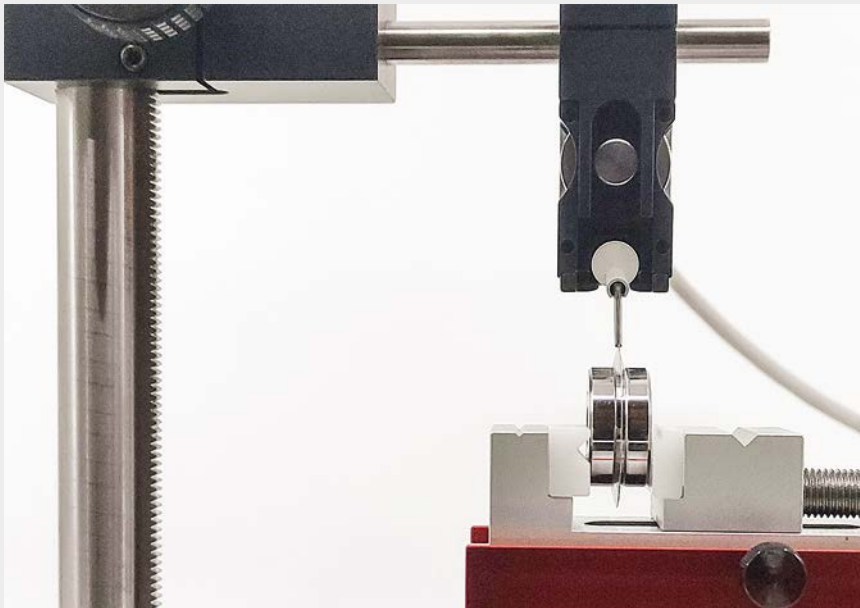
For measuring inner slot flanks

6 AXIS AND BLADE TRACER WITHOUT SKID AFH

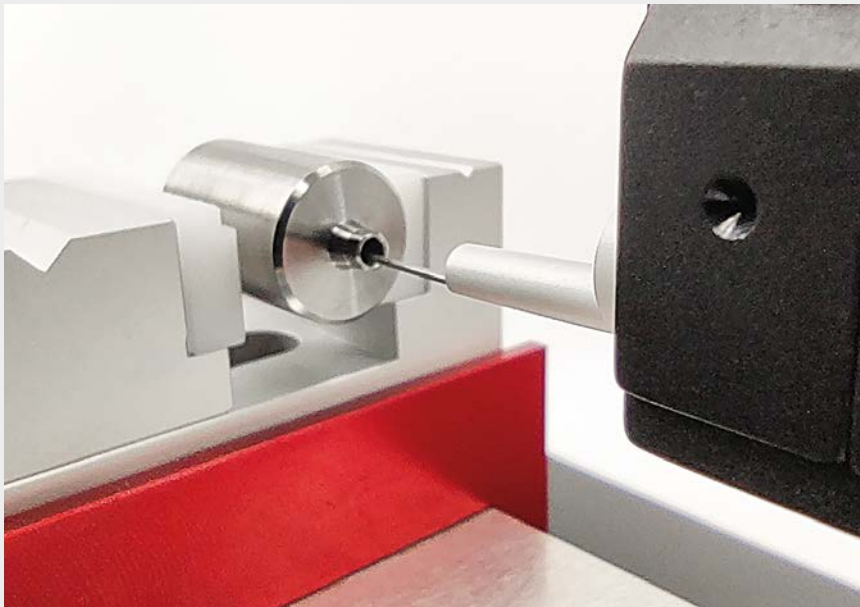
For measuring tool blades,
edges, wires and thin axes

Application examples

Tracers without skid



Measurement with measuring stand and an AFH tracer without skid suitable for smallest diameters and blades.



Measurement with measuring stand and an AFH tracer without skid suitable for small bores and tooth flanks.

YOU NEED
CUSTOMISED
TRACERS ?
DO ASK US !

TRACER WITH SKID

WITH MOTOR UNIT VH AND VHF



1

1 STANDARD TRACER SH

Smallest bore: Ø 8 mm
Maximum
measuring depth: 27 mm
(included in delivery)



2

2 BORE TRACER BH

Smallest bore: Ø 2.5 mm
Maximum
measuring depth: 20 mm



3

3 SLOT TRACER NH

Maximum slot depth: 15 mm + 20 mm
Minimum slot width: 3 mm



4

4 AXIS AND BLADE TRACER AH

For measuring tool blades, edges,
wires and thin axes



5

5 CONCAVE CONVEX TRACER KKH

For concave and convex workpieces
with a minimum radius of 5 mm. Irregular
curves can also be measured easily.

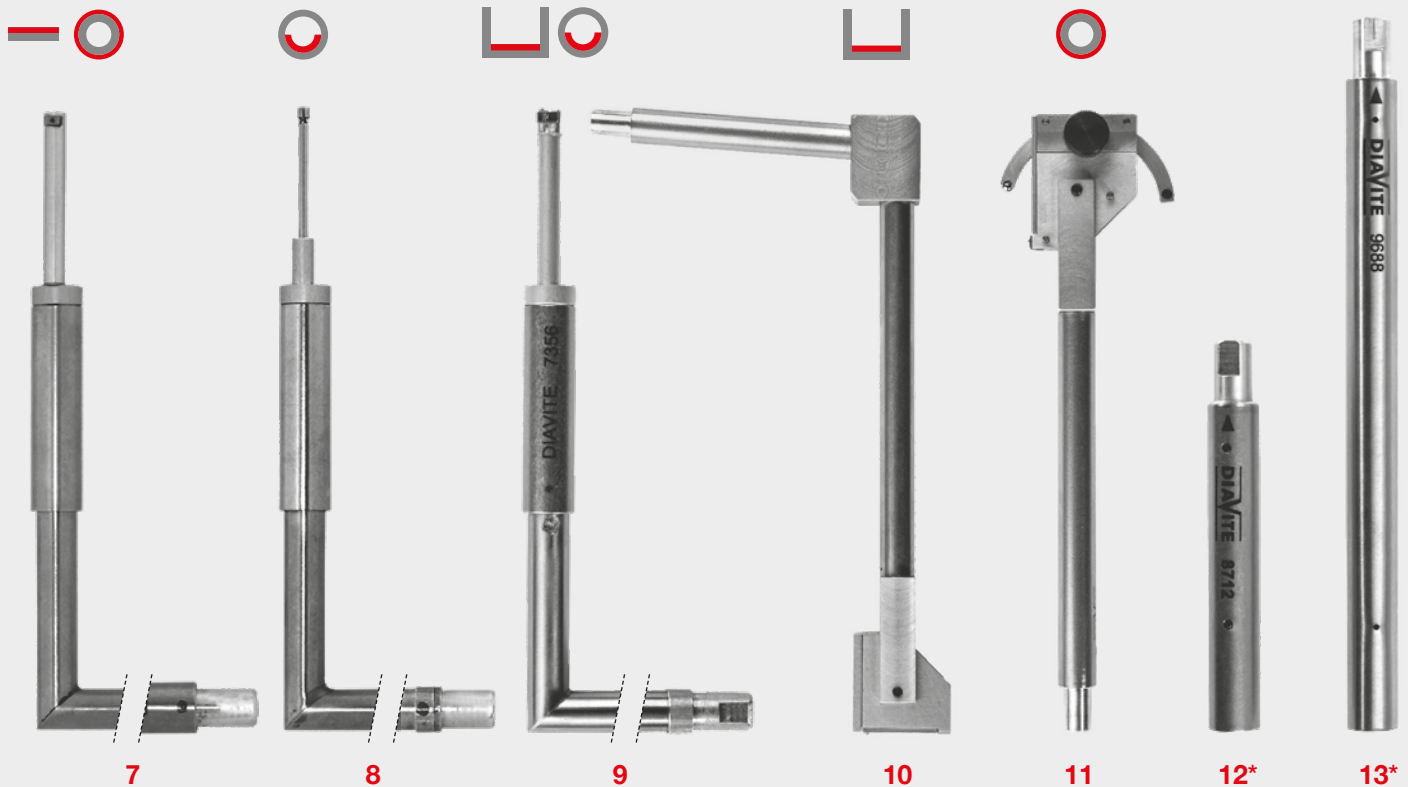


6

6 GEAR TOOTH FLANKS TRACER ZH

Tracer with skid from Modul 2

FOR MOTOR UNIT VH AND VHF EXTENSIONS*



7 TRANSVERSAL TRACER QH

For measuring crank shafts

10 BASIS TRACER TH

For measurements at the ground
up to 140 mm depth

12 SHORT EXTENSION *

To extend tracers for deep bores
Mass: up to 400 mm

8 TRANSVERSAL TRACER QBH

For radial measurements in bores
and tubes

11 BALL AND CIRCUMFERENCE TRACER UH

From a diameter of Ø 8 mm

13 LONG EXTENSION *

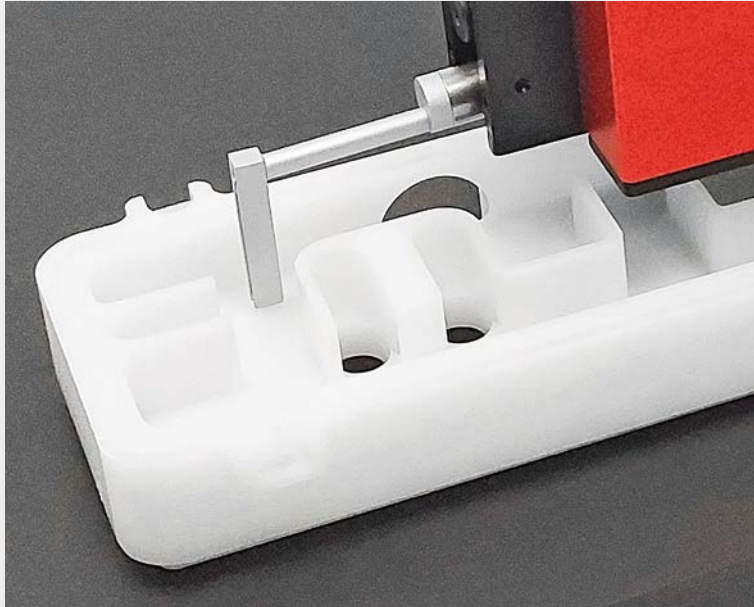
To extend tracers for deep bores
Mass: up to 1000 mm

9 TRANSVERSAL TRACER QKKH

For radial measurements of slots in
bores and tubes etc.

Application examples

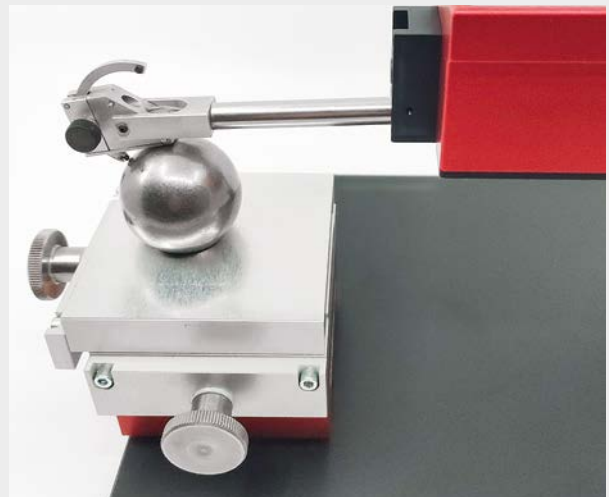
Tracers with skid



Measurement with measuring stand and a NH tracer with skid suitable for slots and deeper surfaces up to a maximum of 20 mm.



Measurement with measuring stand and a KKH tracer with skid suitable for concave and convex surfaces, e.g. ball bearing guide.



Measurement with measuring stand and a UH tracer with skid suitable for radial measurements on balls and pipes from \varnothing 8 mm.

YOU NEED
CUSTOMISED
TRACERS?
DO ASK US!

SOFTWARE

Roughness measurement with in-house know-how.

The DIAVITE APP and the DIASOFT software extend the analysis and documentation possibilities of the DIAVITE instruments. This allows further roughness, waviness and profile parameters to be calculated and customer-specific evaluations and documentation to be created. The DIAVITE APP is supplied in the LIGHT

version with each instrument. With the DIAVITE APP REGULAR, programmes and protocols with images can be created and exported. The DIASOFT software is offered in three application-oriented versions. Both are easy to install and operate and are also available as a network solution.

DIAVITE APP

SOFTWARE	INCLUDES			OPTIONS		
	<ul style="list-style-type: none"> ▪ Roughness parameters of the instrument 	<ul style="list-style-type: none"> ▪ Profile parameter 	<ul style="list-style-type: none"> ▪ Programmes, protocols with picture 	<ul style="list-style-type: none"> ▪ Waviness parameters 	<ul style="list-style-type: none"> ▪ Thermoprinter 	<ul style="list-style-type: none"> ▪ Curves export
APP LIGHT	X	–	–	–	X	
APP REGULAR	X	X	X	X	X	X

DIASOFT

SOFTWARE	INCLUDES				OPTIONS
	<ul style="list-style-type: none"> ▪ Ra, Rq, Rv, Rp, Rt, Sm, Rsk, Rku, Rz, RTp, RHTp, RDq, RPc ▪ Roughness curve ▪ Abbott curve 	<ul style="list-style-type: none"> ▪ Waviness and roughness profiles on the same curve ▪ Zoom functions ▪ Symmetry ▪ Profile comparisons 	<ul style="list-style-type: none"> ▪ ISO 21920 ▪ ISO 4287 ▪ ISO 12085 (CNOMO) ▪ ISO 13565 (Rk parameter) 	<ul style="list-style-type: none"> ▪ Series of profiles ▪ More function for a wide-ranging evaluation of the measurements 	<ul style="list-style-type: none"> ▪ Module: extended contour ▪ Module: basic contour ▪ Module: statistics
STANDARD	X	X	–	–	X
AUTOMOTIVE	X	X	X	–	X
EXPERT (OPTIC) The full package for the specialist	X	X	X	X	X

ACCESSORIES

even more wide-ranging

The perfect accessories help to cope with the daily measuring tasks. It ideally complements the DIAVITE product range and allows measurements of even the smallest parts.



MEASURING STAND

With aluminium plate and column 250 mm or 500 mm



MEASURING STAND

With hard stone plate and column 250 mm or 500 mm



MEASURING STAND

With aluminium plate and integrated accessories drawer and column 250 mm or 500 mm



You need customised solutions? Do ask us!



ADAPTORS

For measuring large workpieces
with tracers without skid



VICES

With jaw widths of 15 mm,
25 mm and 35 mm



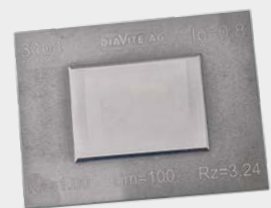
CROSS TABLE

70 x 70 mm
For the exact positioning
of the parts and for
holding the vices
with an adapter



APPARATUS

For manual measurement
on crankshafts
(without tracer and motor unit)



VARIOUS CALIBRATION SPECIMENS

Made of metal or glass



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OUR SALES PARTNER:

