



## Twin X

Automatic hardness testers

TWIN X is a Rockwell automatic hardness tester with direct read out in Rockwell and Superficial Rockwell scales. Can test large and irregular specimens up to 420 mm height ( 950 mm with special extended column). Overhanging pieces can be clamped without any extra support. The 50mm indenter's stroke permits testing difficult-to-test parts without any adjustment. Most suitable for in-line applications.

[Read more](#)

## Technical Data

In this section you can find the technical data; for every further information, please feel free to contact us: we will help you find the ideal solution for your needs.

- **Working principle**

Rockwell, Superficial Rockwell

- **Preload**

3kgf (29,4N) - 10kgf (98.1N)

- **Load application method**

automatic

- **Minimum measurable diameter**

4mm with Superficial Rockwell test method  
5mm with Rockwell test method

- **Objective lenses**

- **Selectable functions**

scale - load time - min. measurable thickness- round correction factor - calibration  
language - date/time - tolerances - file manager -print out - statistics - conversion  
- tests archive - pwd - start test  
emergency - load selection R/SR

- **Output interfaces**

USB Printer - data exportation on USB pen drive  
OPTIONAL:  
RS232 - RS485 - Profibus - Ethernet  
Bluetooth

- **Working conditions**

0°C-50°C

- **Weight**

160kg

- **Notes**

Indenter's stroke 50 mm

- **Loads**

15 - 15,6 - 30- 31,2 -45  
60 - 62,5 - 100- 125- 150  
187,5kgf (N 147 - 294 - 305 - 441 - 612 - 980 - 1225 - 1470 - 1837)

- **Load time**

can be selected via keyboard

Standard test

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N/mm<sup>2</sup> (0-5000) - HB10 62.5 | 2.5 (0-300)  
HB5 125 | 5 (0-300)

- **Reading**

on LCD color touchscreen display  
800 x 480 pxll

- **Storage**

400 files with 2500 tests each

- **Languages**

English, Italian, German, French, Spanish. Further languages on request (up to 9)

- **Power supply**

100VAC - 240VAC self-setting

- **Working area dimensions**

Max measurable height:  
420 mm / depth: 225 mm  
(extended columns on request: +300 mm or +500 mm for specimen up to 920 mm)

- **Norms and certifications**

Rockwell: ASTM E-18 - ISO6508

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## Pictures and videos

In this section you will find the videos and pictures related to the selected product.

### Foto



The 50mm indenter stroke



Detail view of testing stand



The special penetrator stand



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deflection of the test part.

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## Accessories

In this section you will find our standard accessories as well as our optional accessories. Do you have the need for a specific solution you can't find here? Contact us, our technical office is at your disposal to suggest or develop the ideal solution for your needs.

### Standard accessories

- Vinyl protection cover
- V-anvil for round specimens  $\varnothing$  min. 8mm max. 60 mm
- V-anvil for round specimens  $\varnothing$  min. 3 mm max. 12 mm
- Spot anvil  $\varnothing$  8 mm
- Flat anvil 60 mm dia.
- HRC indenter
- 1/16" ball penetrator
- 2.5mm ball penetrator

### Optional accessories



#### **V-anvil for rounds up to 200mm dia.**

- Anvil for Jominy testing manual
- Flat anvil 120mm dia.
- Small rounded anvil 5mm dia.
- Extra output module Compact Com Ethernet Elet250 Ethernet/IP-AB6214
- Extra output module Compact Com Profibus Elet250 DPVI-AB6200

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- Rockwell indenter with UKAS calibration certificate
- 1/4" ball penetrator
- 1/8" ball penetrator
- 5mm ball penetrator
- Vickers indenter with UKAS calibration certificate
- Extra hardness scale
- Yamamoto test blocks with calibration certificate SIT or UKAS according to the standards EN 10004:25 HRC - 45 HRC - 62 HRC

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## Contacts

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