UPI LABORATORIES

ISO/IEC 17025
CERTIFIED REFERENCE TOOLS
FOR HARDNESS TESTERS

CATALOGUE 2025

HARDNESS REFERENCE BLOCKS & INDENTERS

INTRODUCTION

UPI Laboratories Europe BV, ISO/IEC 17025 RvA accredited laboratory providing DIN EN ISO / ASTM dual certified test blocks and indenters.

The **RvA**, like **UKAS, Dakks, COFRAC, NVLAP, A2LA** are ILAC (International Laboratory Accreditation Cooperation) members. Certificates issued by UPI Laboratories for test blocks and indenters meet or exceed the relevant ISO/ASTM requirements for hardness testing and comply with the requirements for NADCAP accredited/certified organizations.

Hardness test blocks or hardness reference plates are comparison plates most commonly made of Steel or Aluminum but could also be made of Brass or custom materials. They are used for the day to to day Indirect Verification and Calibration of hardness testing machines and instruments. There are hardness test blocks for almost all hardness testing methods and scales.

Verifying the display reading of a hardness tester against ISO/ASTM certified hardness test block values part of a normal quality assurance process. Adjusting your hardness tester according to the value engraved in a hardness test block, as long as the adjustments are minor, can be done after assurance that a correct and undamaged indenter/penetrator is installed and the tester operates normally.Indenters are available for almost all scales with viability of micro and macro diamond indenters and carbide or available in the different sizes by the different methods.

ISO & ASTM HARDNESS TEST BLOCKS and INDENTERS (RvA)

Hardness test blocks UPI Laboratories Europe BV branded are manufactured according to standards ISO (International) and ASTM (American).
Such standards apply to the physical requirements as well to the method & the way the final value is found and confirmed."
UPI Laboratories BV hardness test blocks and indenters are of excellent finish and have very low variation, excellent repeatability.

RAW MATERIALS USED

In order to manufacture good hardness test blocks, strict control over the quality of raw materials (Steel, Brass, Aluminum) is required. The entire block material needs to be homogenous, to assure low spread of readings and excellent repeatability. UPI Laboratories Europe BV performs supplier audits to assure this.

HEAT TREATMENT

Distribution of the blocks in the hardening furnaces is of utmost importance, time, temperature and quench are all carefully controlled processes, to assure a top class product.
UPI Laboratories Europe BV performs supplier audits to assure this.

FINISHING

The next step in the process to ensure high quality 'blanks" is the grinding, polishing and lapping of the block surfaces. Any concerns on the surface quality are eliminated due to thorough selection after inspection. UPI Laboratories Europe BV performs supplier audits to assure this.

QUALITY CONTROL

Before proceeding with the ultimate verification and engraving of the block hardness, blocks are undergoing a full inspection to ensure that they meet the physical requirements of ISO and ASTM (thickness, flatness, parallelism, surface roughness, magnetism and uniformity).

UPI LABORATORIES

TRACEABILITY

UPI hardness calibration blocks and indenters are calibrated & DUAL-certified by UPI Laboratories traceable to National/International standards according to ISO 6506, ISO 6507, ISO 6508, ISO 4545, ASTM E18, ASTM E92 and ASTM E10.

www.rva.nl/alle-geaccrediteerden/k182

CALIBRATION RvA K 182

C25CATPRI/03/EN

TEST BLOCKS RANGE

25mm	60mm	90mm	150mm
			

UPI LABORATORIES

ROCKWELL DIAMOND SCALES

UPI Rockwell cone hardness calibration blocks are calibrated & DUAL-certified by UPI Laboratories traceable to National/ International standards according to ISO 6508/3 & ASTM-E18 A4.

ROCKWELL CARBIDE BALL SCALES

UPI Rockwell ball hardness calibration blocks are calibrated & DUAL-certified by UPI Laboratories traceable to National/International standards according to ISO 6508/3 & ASTM-E18 A4.

CALIBRATION RvA K 182 ilac-MRA

ROUND (dia. 60mm X 10mm thickness)
All mentioned hardness values are nominal, the actual calibrated values may vary.
The blocks that are marked in **bold** are available in aluminium, while the rest are made of steel.

NAV ID	DESCRIPTION											
HRC	20	25	30	35	40	45	50	55	60	63	65	67
HRA Soft	**22**	**26**	**31**	**35**	**40**	**45**	**47**	**50**	**53**	55	59	62
HRA Hard	60	63	65	68	70	73	76	78	81	83	84	85
HRD		44	48	51	55	59	63	67	71	75		
HR15N		71	74	76	79	82	85	88	90	92		
HR30N		46	50	55	59	64	68	72	77	81		
HR45N		25	31	37	43	49	55	60	66	72		

Deviating scales or hardness can be ordered by custom request.
Blocks can be supplied with NADCAP compliant grid.

ROUND (dia. 60mm X 10mm thickness)
All mentioned hardness values are nominal, the actual calibrated values may vary.
The blocks that are marked in **bold** are available in aluminium, while the rest are made of steel.

NAV ID	DESCRIPTION												
HRB	**10**	**20**	**30**	**40**	**50**	**60**	**65**	**70**	**75**	**80**	85	90	95
HRE (alu)			**75**	**81**	**87**	**93**	**97**	**100**					
HRF (alu)			**74**	**80**	**86**	**91**	**94**	**97**					
HRG								**33**	**41**	**49**	58	66	74
HRK			**47**	**56**	**65**	**73**	**77**	**81**	**86**	**91**	95	99	
HRM*	**85**	**110**											
HRR*	**105**			**125**									
HR15T			**70**	**73**	**77**	**80**	**83**	**85**	**86**	88	90	91	
HR30T			**36**	**43**	**49**	**56**	**60**	**63**	**66**	**69**	73	76	80
HR45T				**12**	**22**	**32**	**37**	**43**	**48**	**53**	58	63	68

Deviating scales or hardness can be ordered by custom request.
Blocks can be supplied with NADCAP compliant grid.

*** The scales of the 1/4"and 1/2" ball indenter are only ASTM E18, not ISO 6508.**

MACRO VICKERS SCALES

UPI Macro Vickers hardness calibration blocks are calibrated & DUAL-certified by UPI Laboratories traceable to National/International standards according to ISO 6507/3 & ASTM-E92 A4.

Standard high grade polishing

ROUND (dia. 60mm X 10mm thickness)
All mentioned hardness values are nominal, the actual calibrated values may vary.
The blocks that are marked in **bold** are available in aluminium, while the rest are made of steel.

NAV ID	DESCRIPTION																
HV0.1	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500*	550*	600*	650*	700*	750*	800*
HV0.2	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV0.3	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV0.5	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV1	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV2	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV3	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV5	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV10	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV20	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV30	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV50	**40***	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV60	**40***	**70****	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV100	**40***	**70***	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV120	**40***	**70***	**100***	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HV150	**40***	**70***	**100***	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800

* Hardness value is outside the scope of the ISO/ASTM standards due to indentations smaller than 0,020mm.
Deviating scales or hardness can be ordered on custom request.

**** Scale is outside the scope of accreditation.**

MICRO VICKERS SCALES

UPI Micro Vickers hardness calibration blocks are calibrated & DUAL-certified by UPI Laboratories traceable to National/International standards according to ISO 6507/3 & ASTM-E92 A4.

Extreme mirror polishing

ROUND (dia. 25mm X 6mm thickness)
All mentioned hardness values are nominal, the actual calibrated values may vary.
The blocks that are marked in **bold** are available in aluminium, while the rest are made of steel.

NAV ID	DESCRIPTION																
HMV2	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HMV1	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HMV0.5	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HMV0.3	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HMV0.2	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HMV0.1	**40**	**70**	**100**	**150**	200	250	300	350	400	450	500*	550*	600*	650*	700*	750*	800*
HMV0.05	**40**	**70**	**100**	**150**	200	250*	300*	350*	400*	450*	500*	550*	600*	650*	700*	750*	800*
HMV0.025	**40**	**70**	**100**	**150***	200*	250*	300*	350*	400*	450*	500*	550*	600*	650*	700*	750*	800*
HMV0.02	**40**	**70**	**100***	**150***	200*	250*	300*	350*	400*	450*	500*	550*	600*	650*	700*	750*	800*
HMV0.015	**40**	**70**	**100***	**150***	200*	250*	300*	350*	400*	450*	500*	550*	600*	650*	700*	750*	800*
HMV0.010	**40**	**70***	**100***	**150***	200*	250*	300*	350*	400*	450*	500*	550*	600*	650*	700*	750*	800*

* Hardness value is outside the scope of the ISO/ASTM standards due to indentations smaller than 0,020mm.
Deviating scales or hardness can be ordered on custom request.

CONVENIENT PACKAGING

KNOOP REFERENCE BLOCKS

UPI LABORATORIES

KNOOP SCALES

UPI Knoop hardness calibration blocks are calibrated & DUAL-certified by UPI Laboratories traceable to National/International standards according to ISO 4545/3 & ASTM-E92 A4.

CALIBRATION RvA K 182 · ilac-MRA

ROUND (dia. 25mm X 6mm thickness)
All mentioned hardness values are nominal, the actual calibrated values may vary.
The blocks that are marked in **bold** are available in aluminium, while the rest are made of steel.

NAV ID	DESCRIPTION																
HK0.01**	**40****	**70****	**100****	**150****	200**	250**	300**	350**	400*	450*	500*	550*	600*	650*	700*	750*	800*
HK0.015**	**40****	**70****	**100****	**150****	200**	250**	300**	350**	400**	450**	500**	550*	600*	650*	700*	750*	800*
HK0.02	**40****	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750*	800*
HK0.025	**40****	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HK0.05	**40****	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HK0.1	**40****	**70**	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HK0.2	**40****	**70****	**100**	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HK0.3	**40****	**70****	**100****	**150**	200	250	300	350	400	450	500	550	600	650	700	750	800
HK0.5	**40****	**70****	**100****	**150****	200**	250**	300**	350	400	450	500	550	600	650	700	750	800
HK1	**40****	**70****	**100****	**150****	200**	250**	300**	350	400	450	500	550	600	650	700	750	800
HK2	**40****	**70****	**100****	**150****	200**	250**	300**	350**	400**	450**	500**	550**	600**	650**	700**	750	800

Deviating scales or hardness can be ordered on custom request.

*** Hardness value is outside the scope of the ISO/ASTM standards due to indentations smaller than 0,020mm**
**** Scales are outside the scope of accreditation.**

LARGE
BRINELL BLOCKS
AVAILABLE

BRINELL REFERENCE BLOCKS

UPI LABORATORIES

BRINELL SCALES

UPI Brinell hardness calibration blocks are calibrated & DUAL-certified by UPI Laboratories traceable to National/International standards according to ISO 6506/3 & ASTM-E10 A4.

CALIBRATION RvA K 182 · ilac-MRA

RECTANGULAR (150 x 125 x 19mm)
All mentioned hardness values are nominal, the actual calibrated values may vary.
The blocks that are marked in **bold** are available in aluminium, while the rest are made of steel

NAV ID	DESCRIPTION														
HBW 10/3000				150	170	200	250	300	350	400	450	500	550	600	650
HBW 10/1500		**70**	100	150	170	200	250	300	350*	400*	450*	500*	550*	600*	650*
HBW 10/1000		**70**	100	150	170	200	250*	300*	350*	400*	450*	500*	550*	600*	650*
HBW 10/500	**40**	**70**	100	150*	170*	200*	250*	300*	350*	400*	450*	500*	550*	600*	650*
HBW 5/750				150	170	200	250	300	350	400	450	500	550	600	650
HBW 5/250		**70**	100	150	170	200	250*	300*	350*	400*	450*	500*	550*	600*	650*

Deviating scales or hardness can be ordered on custom request. **Blocks can be supplied with NADCAP compliant grid.**

*** Hardness value is outside the scope of the ISO/ASTM standards**

ROUND (dia. 90mm X 16mm thickness)
All mentioned hardness values are nominal, the actual calibrated values may vary.
The blocks that are marked in **bold** are available in aluminium, while the rest are made of steel.

NAV ID	DESCRIPTION														
HBW 10/3000		**70***	100	150	170	200	250	300	350	400	450	500	550	600	650
HBW 10/1500		**70**	100	150	170	200	250	300	350*	400*	450*	500*	550*	600*	650*
HBW 10/1000		**70**	100	150	170	200	250*	300*	350*	400*	450*	500*	550*	600*	650*
HBW 10/500	**40**	**70**	100	150*	170*	200*	250*	300*	350*	400*	450*	500*	550*	600*	650*
HBW 5/750		**70***	100	150	170	200	250	300	350	400	450	500	550	600	650
HBW 5/250		**70**	100	150	170	200	250*	300*	350*	400*	450*	500*	550*	600*	650*
HBW 5/125	**40**	**70**	100	150*	170*	200*	250*	300*	350*	400*	450*	500*	550*	600*	650*

Deviating scales or hardness can be ordered on custom request. **Blocks can be supplied with NADCAP compliant grid.**

*** Hardness value is outside the scope of the ISO/ASTM standards**

ROUND (dia. 60mm X 10mm thickness)
All mentioned hardness values are nominal, the actual calibrated values may vary.
The blocks that are marked in **bold** are available in aluminium, while the rest are made of steel

NAV ID	DESCRIPTION														
HBW 2.5/187.5	**40***	**70***	100	150	170	200	250	300	350	400	450	500	550	600	650
HBW 2.5/62.5	**40**	**70**	100	150	170	200	250*	300*	350*	400*	450*	500*	550*	600*	650*
HBW 2.5/31.25	**40**	**70**	**100**	150*	170*	200*	250*	300*	350*	400*	450*	500*	550*	600*	650*
HBW 1/30	**40***	**70***	100	150	170	200	250	300	350	400	450	500	550	600	650
HBW 1/10	**40**	**70**	100	150	170	200	250*	300*	350*	400*	450*	500*	550*	600*	650*
HBW 1/5	**40**	**70**	**100**	150*	170*	200*	250*	300*	350*	400*	450*	500*	550*	600*	650*

Deviating scales or hardness can be ordered on custom request. **Blocks can be supplied with NADCAP compliant grid.**

*** Hardness value is outside the scope of the ISO/ASTM standards**

UPI LABORATORIES

ROCKWELL DIAMOND & BALL INDENTERS

UPI Rockwell Indenters are calibrated & DUAL-certified by UPI Laboratories traceable to National/International standards according to ISO 6508/2 & ASTM-E18 A3.

RvA CALIBRATION RvA K 182 · ilac-MRA

NAV ID		DESCRIPTION
UPI/6003		Rockwell diamond indenter ø3mm, acc. to ISO 6508/2 & ASTM-E18 A3
UPI/6004		Rockwell diamond indenter ø3mm, L=12mm, acc. to ISO 6508/2 & ASTM-E18 A3
UPI/6005		Rockwell diamond indenter ø6.35mm, acc. to ISO 6508/2 & ASTM-E18 A3
UPI/7503		1/16" Embedded carbide ball indenter ø3mm, with 1 ball, acc. to ISO 6508/2 & ASTM-E18 A3
UPI/7603		1/8" Embedded carbide ball indenter ø3mm, with 1 ball, acc. to ISO 6508/2 & ASTM-E18 A3
UPI/7703		1/4" Embedded carbide ball indenter ø3mm, with 1 ball, acc. to ASTM-E18 A3
UPI/7506		1/16" Carbide ball indenter ø6.35mm, with 1 ball, acc. to ISO 6508/2 & ASTM-E18 A3
UPI/7606		1/8" Carbide ball indenter ø6.35mm, with 1 ball, acc. to ISO 6508/2 & ASTM-E18 A3
UPI/7706		1/4" Carbide ball indenter ø6.35mm, with 1 ball, acc. to ASTM-E18 A3
UPI/7806		1/2" Carbide ball indenter ø6.35mm, with 1 ball, acc. to ASTM-E18 A3
UPI/7808		1/2" Embedded carbide ball indenter ø3mm, with 1 ball, acc. to ASTM-E18 A3
UPI/2507		1/16" Carbide ball, for Rockwell ball indenter, acc. to ISO 6508/2 & ASTM-E18 A3
UPI/2509		1/8" Carbide ball, for Rockwell ball indenter, acc. to ISO 6508/2 & ASTM-E18 A3
UPI/2514		1/4" Carbide ball, for Rockwell ball indenter, acc. to ASTM-E18 A3
UPI/2519		1/2" Carbide ball, for Rockwell ball indenter, acc. to ASTM-E18 A3

VICKERS & KNOOP INDENTERS

MACRO & MICRO VICKERS INDENTERS

INNOVATEST (Micro) Vickers Indenters are calibrated & DUAL-certified by UPI Laboratories Europe traceable to National/International standards according to ISO 6507/2 & ASTM-E92 A3.

KNOOP INDENTERS

INNOVATEST Knoop Indenters are calibrated & DUAL-certified by UPI Laboratories Europe traceable to National/International standards according to ISO 4545/2 & ASTM-E92 A3.

NAV ID		DESCRIPTION
UPI/8010		Vickers indenter ø6.35mm, acc. to ISO 6507/2 & ASTM-E92 A3
UPI/8105		Vickers indenter ø3mm, acc. to ISO 6507/2 & ASTM-E92 A3

NAV ID		DESCRIPTION
UPI/8205		Knoop indenter ø3mm, acc. to ISO 4545/2 & ASTM-E92 A3
UPI/8220		Knoop indenter ø6.35mm, acc. to ISO 4545/2 & ASTM-E92 A3
UPI/8221		Knoop indenter ø6.35mm, acc. to ISO 4545/2 & ASTM-E92 A3 Indenter is rotated 90º

Ø = shaft diameter for machine mounting.

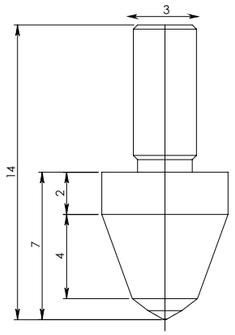
BRINELLL INDENTERS

BRINELL BALL INDENTERS

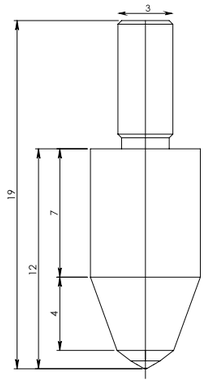
INNOVATEST Brinell Indenters are calibrated & DUAL-certified by UPI Laboratories Europe BV traceable to National/International standards according to ISO 6506/2 & ASTM-E10 A3.

NAV ID		DESCRIPTION
UPI/7001		1mm Embedded carbide ball indenter ø3mm, acc. to ISO 6506/2 & ASTM-E10 A3
UPI/7006		2.5mm Embedded carbide ball indenter ø3mm, acc. to ISO 6506/2 & ASTM-E10 A3
UPI/7011		5mm Embedded carbide ball indenter ø3mm, acc. to ISO 6506/2 & ASTM-E10 A3
UPI/7000		1mm Carbide ball indenter ø6.35mm, acc. to ISO 6506/2 & ASTM-E10 A3
UPI/7005		2.5mm Carbide ball indenter ø6.35mm, acc. to ISO 6506/2 & ASTM-E10 A3
UPI/7010		5mm Carbide ball indenter ø6.35mm, acc. to ISO 6506/2 & ASTM-E10 A3
UPI/7015		10mm Carbide ball indenter ø6.35mm, acc. to ISO 6506/2 & ASTM-E10 A3
UPI/2005		1.0mm Carbide ball, for ø6.35mm indenters, acc. to ISO 6506/2 & ASTM-E10 A3
UPI/2010		2.5mm Carbide ball, for ø6.35mm indenters, acc. to ISO 6506/2 & ASTM-E10 A3
UPI/2015		5.0mm Carbide ball, for ø6.35mm indenters, acc. to ISO 6506/2 & ASTM-E10 A3
UPI/2020		10.0mm Carbide ball, for ø6.35mm indenters, acc. to ISO 6506/2 & ASTM-E10 A3

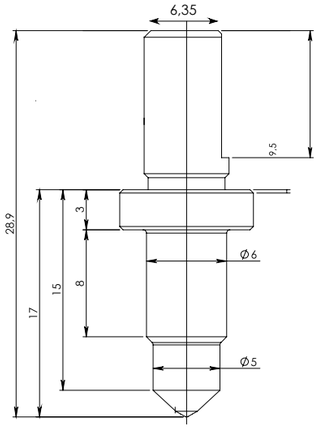
All dimensions are in mm.



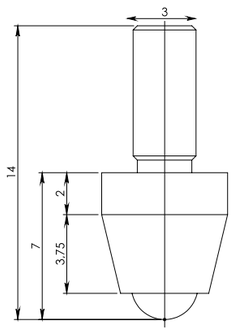
UPI/6003



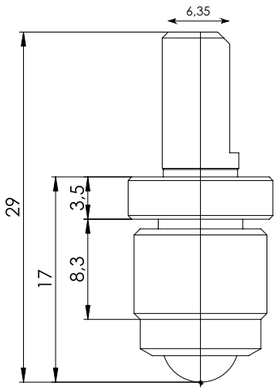
UPI/6004



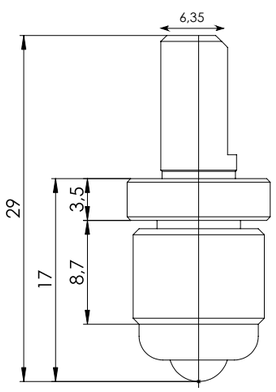
UPI/6005



UPI/7503
UPI/7603
UPI/7703

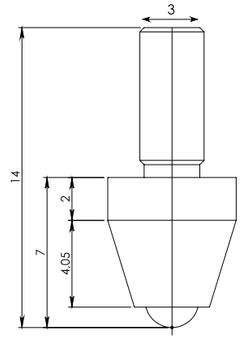


UPI/7506
UPI/7606
UPI/7706
UPI/7806

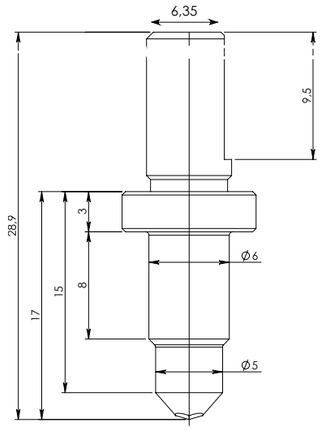


UPI/7005
UPI/7010
UPI/7015

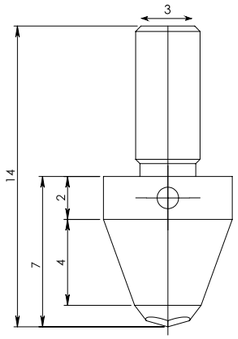
All dimensions are in mm.



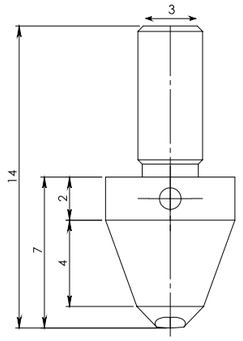
UPI/7001
UPI/7006
UPI/7011



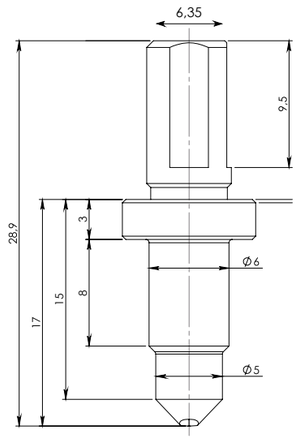
UPI/8010



UPI/8105



UPI/8205



UPI/8221

GENERAL SALES & SUPPLY CONDITIONS

PRICES

Are in EURO, excluding VAT, EX WORKS Maastricht, The Netherlands.
Subject to changes without prior notice.
Check our order confirmation for actual prices.

Our order confirmations are binding.
Quotes for transportation or transportation charges on account or invoice are for administration purpose only, the delivery condition remains EX WORKS.

ORDERS

Confirmed orders can only be cancelled after our written consent.

DELIVERY TIME

All deliveries are from stock Maastricht. In those cases where a delivery time is indicated, these indications are for reference only and can change without prior notice.
It is explicitly stated that UPI Laboratories Europe BV accepts no liability nor penalties in case of late deliveries.

DELIVERY

Special instructions are only accepted if stated in writing on your order and are subject to the approval of UPI Laboratories Europe BV and reconfirmed in writing. All shipments travel for the full risk of Buyer regardless of the party that has instructed the forwarder.
UPI Laboratories Europe BV is explicitly not liable for loss or damage of any goods.

ADDITIONAL CHARGES

The following charges apply for orders less than net:
Euro 250,- costs Euro 25,-
Euro 100,- costs Euro 30,-
Euro 50,- costs Euro 35,-

SHIPMENTS

We reserve the right to send partial or combined shipments for each individual order.

PAYMENTS

Unless otherwise agreed, payments to be made in advance.
A discount of 2% applies for advance payments. In case of an agreed open account, payments within 30 days of invoice date unless agreed otherwise in writing.
Late payments are subjected to an interest rate 3% a month. Goods delivered remain the unconditional property of UPI Laboratories Europe BV until they are fully paid for.

GENERAL SALES & SUPPLY CONDITIONS

In addition to the general terms of sales & supply conditions applicable to commercial transactions, concerning the delivery of certified indenters and reference hardness blocks, as per the scope of UPI Laboratories the following applies:

When determining the approval of certified indenters, no consideration is given to measurement uncertainty. Regarding the recalibration period, a recommendation is provided by the respective indenters, as advised by the relevant standards for indenters. Concerning the validity of the calibrated reference hardness block, a recommendation is provided in the calibration certificate, as advised by the applicable standards for reference hardness blocks. When determining the approval of reference hardness blocks, no consideration is given to measurement uncertainty regarding the general requirements. The standards applied in the certificates are recorded, including the year. If there is a change in standards, it is implemented within six months of publication.

CONFIDENTIALITY:
Unless otherwise provided by law, the Contractor is obligated to maintain confidentiality regarding information obtained during the execution of the contract or of which they know or reasonably suspect that confidentiality is necessary. If, in the Contractor's opinion, misunderstandings among third parties are imminent or there is a risk to persons or public health based on the results of an investigation, this releases the Contractor from their obligation of confidentiality towards the involved individuals or relevant authorities. The Contractor shall inform the Client of such disclosure.

NOTES

NOTES

UPI Laboratories Europe BV

Borgharenweg 140
6222 AA Maastricht
The Netherlands

Phone : +31 43 4578101
E-mail : info@upi-laboratories.com