



**Your order form** (please note that we can only process the order if this form is completed in full)

VAT ID (only applies to initial orders)

Customer	
Company	
Name	
Address	
Phone	Fax
Email	
Number of pages (for faxes)	
Signature and company stamp	
Date	

The general terms of business of 3-Rath Kalibrier+Prüftechnik GmbH & Co. KG apply. Available on the Internet. The prices shown do not include statutory VAT.

**Notes** (optional)

**Sample order**

1. Choose the required hardness number in the correct column (e.g. 71).
2. Choose the standard by selecting the hardness number's row (e.g. 3rd standard = 3rd row).
3. Choose the quantity (e.g. 200).
4. Choose the grid option by adding or not adding an 'R' (e.g. 200R).

Dimensions	Process	Hardness numbers		
50x12-HR	HRA	66	71	77
			200R	

**Means:**

200 test blocks with a hardness number of 71 as per 3rd standard with grid.

**Distributor**



Kalteiche-Ring 44  
35708 Haiger

Tel: +49/2773/91767-0  
Fax: +49/2773/91767-15

[www.3-rath.de](http://www.3-rath.de)

More information available at:  
[www.sib-testblock.de](http://www.sib-testblock.de)



# ROCKWELL

## Technical specification

The following versions are currently available:

1.

<b>Rockwell hardness test</b> Dimensions: Ø 115x12mm	Price: EUR 395.00
<b>1st standard:</b> DIN EN ISO 6508-3	Plus EUR 10.00
Grid lines optional	

Dimensions Process Hardness numbers

115x12-HR	HRA	60	63	65	68	70	73	76	79	81	83
115x12-HR	HRB	98									
115x12-HR	HRC	20	25	30	35	40	45	50	55	60	62/63
115x12-HR	HR45	18	25	30	36	42	48	54	60	66	69
115x12-HR	HR30N	40	44	49	55	60	63	67	72	76	79
115x12-HR	HR15N	68	71	74	77	80	82	85	87	90	91
115x12-HR	HR30T	80	82								
115x12-HR	HR15T	91	92	93							

## Comments

Please note that according to Table A4.1 of ASTM E 18, the hardness reference block's maximum permissible surface is limited to 2.600mm<sup>2</sup>. Since the SiB hardness reference block's diameter is 115mm, resulting in a surface of 10.381mm<sup>2</sup>, its size exceeds the ASTM E 18 requirements significantly, meaning calibration according to ASTM E 18 is not possible.



# ROCKWELL

**Technical specification**  
The following versions are currently available:

<b>Rockwell hardness test</b> Dimensions: Ø 65x10mm	
<b>1st standard:</b> DIN EN ISO 6508-3	Price: EUR 260.00
<b>2nd standard:</b> ASTM E 18	Price: EUR 260.00
<b>3rd standard:</b> DIN EN ISO 6508-3 <b>and</b> ASTM E 18	Price: EUR 270.00
Grid lines optional	Plus EUR 10.00

**Dimensions Process Hardness numbers**

Dimensions	Process	Hardness numbers						
65x10-HR	HRA	66	71	77	80	82	83	
65x10-HR	HRC	31	42	53	57	60	64	
65x10-HR	HR45N	10	32	45	58	62	66	70
65x10-HR	HR30N	51	61	71	74	77	80	
65x10-HR	HR15N	75	81	86	88	90	91	
65x10-HR	HR30T	86						
65x10-HR	HR15T	94						



# BRINELL

**Technical specification**  
The following versions are currently available:

2.

**Brinell hardness test** Dimensions: Ø 115x16mm

**1st standard:** DIN EN ISO 6506-3

Price: EUR 300.00

**2nd standard:** ASTM E 10

Price: EUR 300.00

**3rd standard:** DIN EN ISO 6506-3 **and** ASTM E 10

Price: EUR 310.00

Grid lines optional

Plus EUR 10.00

**Dimensions Process Hardness numbers**

115x16-HB	HBW 10/ 3000	200	250	300	350	400	450	500	600
115x16-HB	HBW 5/750	200	250	300	350	400	450	500	600
115x16-HB	HBW 2,5/ 187,5	200	250	300	350	400	450	500	600
115x16-HB	HBW 2,5/ 62,5	200	250						
115x16-HB	HBW 1/30	200	250	300	350	400	450	500	600
115x16-HB	HBW 1/10	200	250						

**Comments**

Please note that according to Table A4.1 of ASTM E 10, the hardness reference block's maximum permissible surface is limited to 150cm<sup>2</sup> (ø 5mm + ø 10mm penetrators) or 40cm<sup>2</sup> (ø 1mm + ø 2.5mm penetrators). Since the permissible surface is exceeded in calibrations using the ø 1mm + ø 2.5mm penetrators, the hardness reference block's effective ASTM surface is marked using a square with an edge length of 63mm. The additional surface is valid according to DIN EN ISO.



# BRINELL

**Technical specification**  
The following versions are currently available:

<b>Brinell hardness test</b> Dimensions: $\varnothing$ 125x16mm	
<b>1st standard:</b> DIN EN ISO 6506-3	Price: EUR 330.00
<b>2nd standard:</b> ASTM E 10	Price: EUR 330.00
<b>3rd standard:</b> DIN EN ISO 6506-3 <b>and</b> ASTM E 10	Price: EUR 340.00
Grid lines optional	Plus EUR 10.00

**Dimensions      Process      Hardness numbers**

125x16-HB	HBW 10/ 3000	150
125x16-HB	HBW 5/750	150
125x16-HB	HBW 2,5/ 187,5	150
125x16-HB	HBW 2,5/ 62,5	150



**VICKERS**

**Technical specification**

The following versions are currently available:

3.

**Vickers hardness test** Dimensions: Ø 40x10mm & Ø 65x10mm

<b>1st standard:</b> DIN EN ISO 6507-3	Price: EUR 395.00
<b>2nd standard:</b> ASTM E 384	Price: EUR 395.00
<b>3rd standard:</b> DIN EN ISO 6507-3 <b>and</b> ASTM E 384	Price: EUR 405.00
Grid lines optional	Plus EUR 10.00

Dimensions    Process    Hardness numbers

40x10-HV	HV 0,1	200	300	400	550	620	700	780
40x10-HV	HV 0,2	200	300	400	550	620	700	780
40x10-HV	HV 0,3	200	300	400	550	620	700	780
40x10-HV	HV 0,5	200	300	400	550	620	700	780



**VICKERS**

**Technical specification**  
The following versions are currently available:

<b>Vickers hardness test</b> Dimensions: Ø 40x10mm & Ø 65x10mm	
<b>1st standard:</b> DIN EN ISO 6507-3	Price: EUR 395.00
<b>2nd standard:</b> ASTM E 384	Price: EUR 395.00
<b>3rd standard:</b> DIN EN ISO 6507-3 <b>and</b> ASTM E 384	Price: EUR 405.00
Grid lines optional	Plus EUR 10.00

Dimensions	Process	Hardness numbers						
65x10-HV	HV 1	200	300	400	550	620	700	780
65x10-HV	HV 2	200	300	400	550	620	700	780
65x10-HV	HV 3	200	300	400	550	620	700	780
65x10-HV	HV 5	200	300	400	550	620	700	780
65x10-HV	HV 10	200	300	400	550	620	700	780
65x10-HV	HV 20	200	300	400	550	620	700	780
65x10-HV	HV 30	200	300	400	550	620	700	780
65x10-HV	HV 50	200	300	400	550	620	700	780
65x10-HV	HV 100	200	300	400	550	620	700	780



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