

# LASER HARDENING DATA SHEET

## MATERIAL: C45

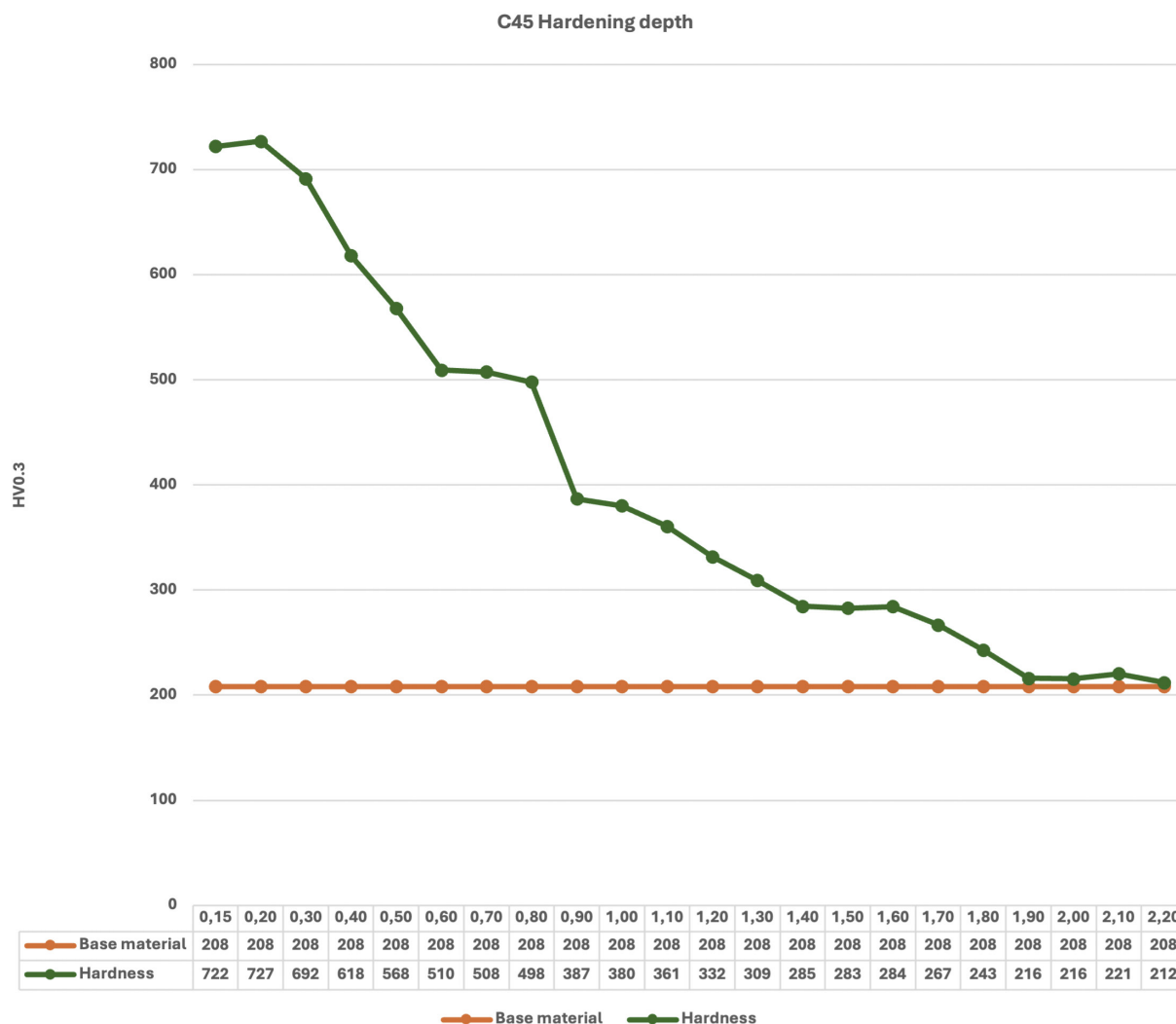


Measured in HV0,3

Hardening depth: 1,8mm

Hardness: 709HV0,3

Hardness is determined by point (0,20mm+0,30mm)/2



Minor changes and updates to the document may occur, please download the latest version of this document at [www.lasertool.se](http://www.lasertool.se)  
 DATA SHEET LH C45 • 250410

BUILD WHAT'S REQUIRED  
 HARDEN WHERE IT MATTERS



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## HARDNESS TABLE

The conversions given below are in accordance with EN ISO 18265:2013.

| Vickers<br>HV10 | Rockwell<br>HRC | Brinell<br>HBW |
|-----------------|-----------------|----------------|
| 273             | 26              | 259            |
| 279             | 27              | 265            |
| 286             | 28              | 272            |
| 294             | 29              | 279            |
| 302             | 30              | 287            |
| 310             | 31              | 295            |
| 318             | 32              | 303            |
| 327             | 33              | 311            |
| 336             | 34              | 320            |
| 345             | 35              | 328            |
| 355             | 36              | 337            |
| 364             | 37              | 346            |
| 373             | 38              | 354            |
| 382             | 39              | 363            |
| 392             | 40              | 373            |
| 402             | 41              | 382            |
| 412             | 42              | 392            |
| 423             | 43              | 402            |
| 434             | 44              | 413            |
| 446             | 45              | 424            |
| 459             | 46              | 436            |
| 471             | 47              | 448            |
| 484             | 48              | 460            |
| 499             | 49              | 474            |
| 513             | 50              | 488            |
| 528             | 51              | 502            |
| 545             | 52              | 518            |
| 560             | 53              | 532            |
| 578             | 54              | 549            |
| 596             | 55              | 566            |
| 615             | 56              | 585            |
| 634             | 57              | 603            |
| 654             | 58              |                |
| 675             | 59              |                |
| 698             | 60              |                |
| 720             | 61              |                |
| 746             | 62              |                |
| 773             | 63              |                |
| 800             | 64              |                |