

42CrMo4

W.Nr. 1.7225

General size range Ø 16 – 1000 mm

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| Chemical composition | C=0,38-0,45 | Si=max.0,40 | Mn=0,60-0,90* | P=max.0,035 | S=max.0,035 |
| | Cr=0,90-1,20 | Mo=0,15-0,30 | Al=min.0,020 | Cu=max.0,30 | |

*Mn=0,50-0,80 acc. to SEW 550

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| Grade equivalents Similar grades | 708/709M40 | 42CrMo | 42CD4 | SCM440 | 15142 |
| | BS | GB | AFNOR | JIS | CSN |
| | 4140 | 38CrMo4 | 2244 | 40ChFA | |
| | SAE | UNI | SS | GOST | |

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|-----------------------------|------------------------|----------------|-------------------|--------------------------|
| Hot rolled Ø 16–310 mm | Tolerances | EN 10060 | or +/- 1,3% of dN | or specific tol. |
| | Lengths | 6 m +200/-0 mm | or 3 – 6 m | or specific lengths |
| | Heat treatment | +A EN 10083-3 | or +N EN 10083-3 | or +QT EN 10083-3 or +AR |
| | Surface defects | EN 10221/B | or max. 1,5% | or specific value |
| | US test | SEP 1921 3C/c | or EN 10308 | or specific FBH eq. |

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| Forged black Ø 250–1000 mm | Tolerances | DIN 7527/6 | or specific tol. | |
| | Lengths | 3 – 6 m | or specific lengths | |
| | Heat treatment | +A EN 10250-3 | or +N EN 10250-3 | or +QT EN 10250-3 or +QT SEW550 |
| | Surface defects | max. ½ the tol. | or specific depth | |
| | US test | SEP 1921 3C/c | or specific FBH eq. | |

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| Peeled Ø 16–100 mm | Tolerances | EN 10278 h9 | or EN 10278 h11 | or specific tol. |
| | Lengths | 6 m +200/-0 mm | or specific lengths | |
| | Heat treatment | +A h9/ h11 | or +N h9/ h11 | or +QT h11 |
| | Surface defects | max. 0,2 mm | or specific depth | |
| | US test | SEP 1921 3C/c | or specific FBH eq. | |

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| Forged turned Ø 250–850 mm | Tolerances | +3/-0 mm | or +4/-0 mm | or +5/-0 mm | or specific tol. |
| | Lengths | 3 – 6 m | or specific lengths | | |
| | Heat treatment | +A EN 10250-3 | or +N EN 10250-3 | or +QT EN 10250-3 | or +QT SEW550 |
| | Surface defects | technically free | or specific depth | | |
| | US test | SEP 1921 3C/c | or specific FBH eq. | | |

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| Other available products | squares-hexagons rolled, squares-hexagons cold drawn, squares-flats forged, squares- flats forged and milled, square billets rolled, square billets CC cast |
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| Mill's test certificate | EN 10204/3.1 with all relevant data reg. chem. composition, mech. properties and results of testing |
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- supply range file - issued: 20.02.2009 rev. 1