

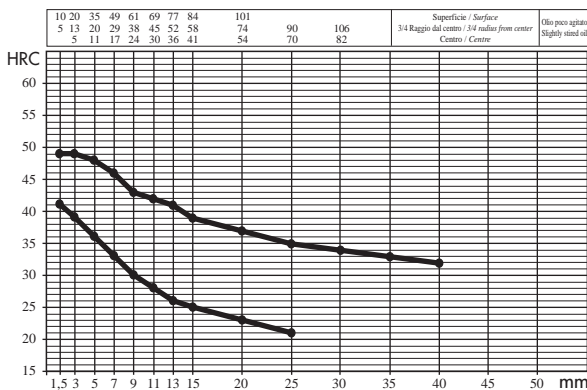
Corrispondenze
Comparable standards

20MnCr5 UNI 7846

Composizione
Chemical analysis

| C | Mn | Si | Cr | Ni | Mo |
|-----------|-------------|-------|-------------|----|----|
| .17 ÷ .22 | 1.10 ÷ 1.40 | ≤ .40 | 1.00 ÷ 1.30 | - | - |

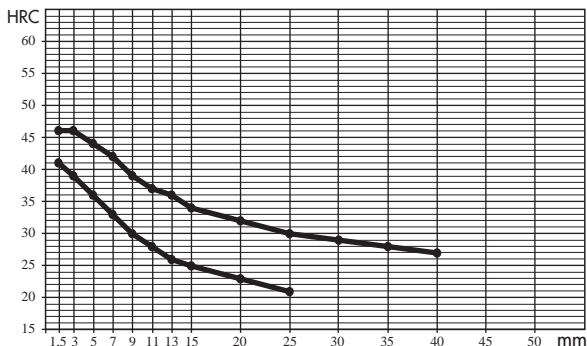
20MnCr5 H



Temprabilità Jominy
Jominy hardenability

| Distanza dall'estremità temprata / Distance from quenched end | mm. | HRc min | HRc max |
|---|-----|---------|---------|
| | 1,5 | 41 | 49 |
| | 3 | 39 | 49 |
| | 5 | 36 | 48 |
| | 7 | 33 | 46 |
| | 9 | 30 | 43 |
| | 11 | 28 | 42 |
| | 13 | 26 | 41 |
| | 15 | 25 | 39 |
| | 20 | 23 | 37 |
| | 25 | 21 | 35 |
| | 30 | | 34 |
| | 35 | | 33 |
| | 40 | | 32 |
| | 45 | | |
| | 50 | | |

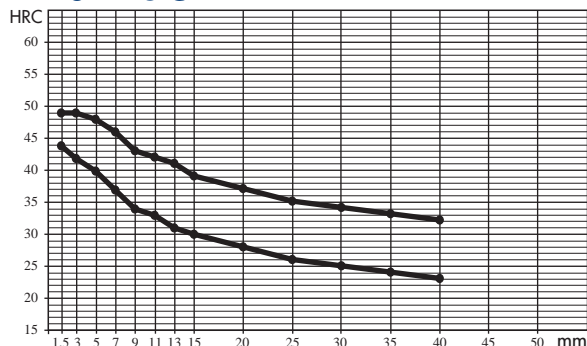
20MnCr5 HL



Temprabilità Jominy
Jominy hardenability

| Distanza dall'estremità temprata / Distance from quenched end | mm. | HRc min | HRc max |
|---|-----|---------|---------|
| | 1,5 | 41 | 46 |
| | 3 | 39 | 46 |
| | 5 | 36 | 44 |
| | 7 | 33 | 42 |
| | 9 | 30 | 39 |
| | 11 | 28 | 37 |
| | 13 | 26 | 36 |
| | 15 | 25 | 34 |
| | 20 | 23 | 32 |
| | 25 | 21 | 30 |
| | 30 | | 29 |
| | 35 | | 28 |
| | 40 | | 27 |
| | 45 | | |
| | 50 | | |

20MnCr5 HH

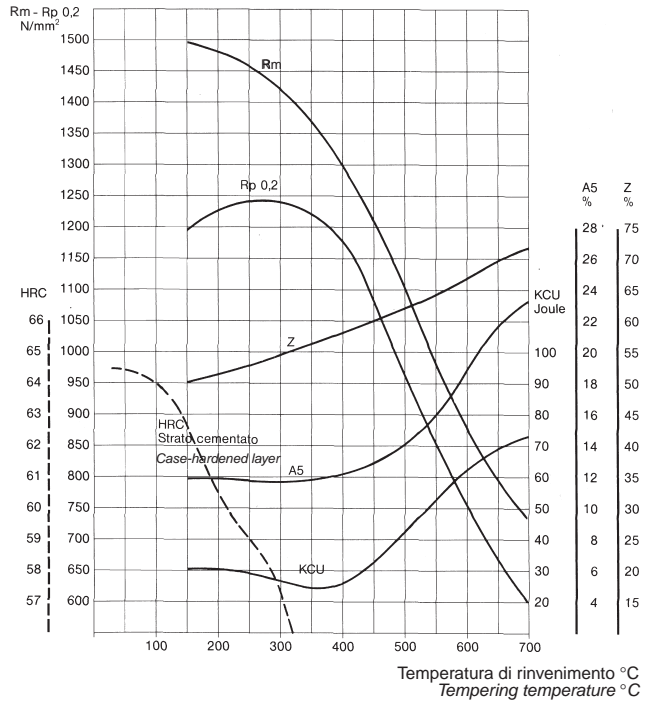


Temprabilità Jominy
Jominy hardenability

| Distanza dall'estremità temprata / Distance from quenched end | mm. | HRc min | HRc max |
|---|-----|---------|---------|
| | 1,5 | 44 | 49 |
| | 3 | 42 | 49 |
| | 5 | 40 | 48 |
| | 7 | 37 | 46 |
| | 9 | 34 | 43 |
| | 11 | 33 | 42 |
| | 13 | 31 | 41 |
| | 15 | 30 | 39 |
| | 20 | 28 | 37 |
| | 25 | 26 | 35 |
| | 30 | 25 | 34 |
| | 35 | 24 | 33 |
| | 40 | 23 | 32 |
| | 45 | | |
| | 50 | | |

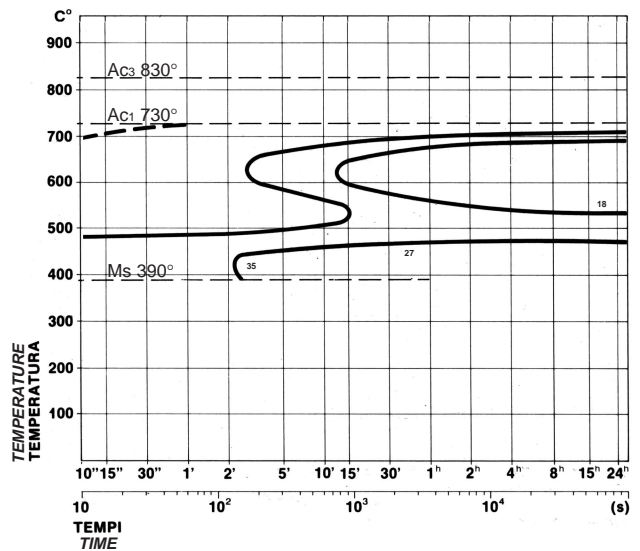
20MnCr5

Diagramma di rinvenimento Tempering curve



Treatment: on Ø 11 mm Tempra: 870 °C olio Rinvenimento per 2 ore
Treatment: on Ø 11 mm Hardening: 870 °C oil Tempering for 2 hours

Diagramma T.T.T. T.T.T. diagram



Saggio: Ø 8
Test block: Ø 8

Austenitizzazione: 850 °C per 1/2 ora
Austenitizing: 870° for 1/2 hour