



ES ULW 65

1.1730, weichgeglüht
C45U

Charakteristik bzw. Verwendungszweck:
Aufbauteile für Werkzeuge, Grundplatten
für den Werkzeug- und Vorrichtungsbau

Festigkeit: 190 HB (ca. 650 N/mm²)

| Durchmesser in mm | Ausführung: bis Ø 200 mm schwarz, ab Ø 210 mm geschält bzw. überdreht | | | | | | | | | | | | | | | | | | |
|----------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 110 | |
| | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 290 | |
| | 300 | 310 | 320 | 340 | 350 | 360 | 400 | 420 | 450 | 500 | | | | | | | | | |

| Vierkant in mm | | | | | | | | | | | | | | | | | |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | |
| | 95 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 175 | 185 | 195 | 205 | 215 | 235 | 255 | 275 | |
| | 305 | 325 | 355 | 375 | 405 | 425 | 455 | 475 | 505 | 525 | 555 | 605 | | | | | |

| Stärke in mm | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|----|
| 500 | 30 | 40 | 40 | 160 | 50 | 160 | 60 | 160 | 70 | 160 | 90 | |
| 1010 | 40 | 50 | 50 | 200 | 60 | 200 | 70 | 200 | 80 | 200 | 100 | |
| 2000 | 50 | 60 | 60 | 220 | 70 | 250 | 80 | 250 | 90 | 250 | 110 | |
| | 60 | 70 | 70 | 250 | 80 | 300 | 90 | 300 | 100 | 300 | 120 | |
| | 70 | 80 | 80 | 300 | 90 | 350 | 100 | 350 | 110 | 350 | 130 | |
| | 80 | 90 | 90 | 350 | 100 | 400 | 110 | 400 | 120 | 400 | 140 | |
| | 90 | 100 | 100 | 400 | 110 | 500 | 120 | 500 | 140 | 450 | 150 | |
| | 100 | 110 | 110 | 450 | 120 | 600 | 130 | 600 | 150 | 500 | 160 | |
| | 110 | 120 | 120 | 500 | 130 | 800 | 140 | 800 | 160 | 600 | 200 | |
| | 120 | 130 | 130 | 600 | 140 | 1010 | 150 | 1010 | 180 | 800 | 250 | |
| | 130 | 140 | 140 | 800 | 150 | 1250 | 160 | 1250 | 200 | 1010 | 300 | |
| | 140 | 150 | 150 | 1010 | 160 | 2000 | 200 | 2000 | 250 | 1250 | 350 | |
| | 150 | 160 | 160 | 1250 | 180 | | 250 | | 300 | 2000 | 400 | |
| | 160 | 165 | 165 | 2000 | 200 | | 300 | | 350 | | 450 | |
| | 165 | 175 | 175 | | 225 | | 350 | | 400 | | 500 | |
| | 175 | 200 | 200 | | 250 | | 400 | | 450 | | 550 | |
| | 200 | 215 | 225 | | 275 | | 450 | | 500 | | 600 | |
| | 215 | 225 | 250 | | 300 | | 500 | | 550 | | 700 | |
| | 225 | 250 | 275 | | 325 | | 550 | | 600 | | 800 | |
| | 250 | 275 | 300 | | 350 | | 600 | | 650 | | 1010 | |
| | 275 | 300 | 330 | | 375 | | 630 | | 700 | | 1250 | |
| | 300 | 325 | 350 | | 400 | | 650 | | 800 | | 2000 | |
| | 325 | 350 | 375 | | 430 | | 700 | | 1010 | | | |
| | 350 | 375 | 400 | | 450 | | 800 | | 1250 | | | |
| | 375 | 400 | 430 | | 475 | | 1010 | | 2000 | | | |
| | 400 | 450 | 450 | | 500 | | 1250 | | | | | |
| | 450 | 500 | 500 | | 530 | | 2000 | | | | | |
| | 500 | 550 | 550 | | 550 | | | | | | | |
| | 550 | 600 | 600 | | 600 | | | | | | | |
| | 600 | 800 | 700 | | 650 | | | | | | | |
| | 800 | 1010 | 800 | | 700 | | | | | | | |
| | 1010 | 1250 | 1010 | | 800 | | | | | | | |
| | 1250 | 2000 | 1250 | | 1010 | | | | | | | |
| | 2000 | | 2000 | | 1250 | | | | | | | |
| | | | | | 2000 | | | | | | | |



| Stärke in mm | 75 | 80 | 85 | 90 | 95 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 175 | 185 | 195 | 205 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 200 | 100 | 160 | 100 | 200 | 120 | 160 | 160 | 160 | 160 | 200 | 200 | 200 | 300 | 400 | 400 | |
| 250 | 110 | 200 | 120 | 250 | 150 | 200 | 200 | 200 | 200 | 250 | 250 | 250 | 400 | 450 | 450 | |
| 300 | 120 | 250 | 140 | 300 | 160 | 250 | 250 | 250 | 250 | 300 | 300 | 300 | 450 | 500 | 500 | |
| 350 | 150 | 300 | 150 | 350 | 200 | 300 | 300 | 300 | 300 | 350 | 400 | 350 | 500 | 550 | 550 | |
| 400 | 160 | 350 | 160 | 400 | 250 | 350 | 350 | 350 | 350 | 400 | 450 | 400 | 550 | 600 | 600 | |
| 500 | 180 | 400 | 180 | 500 | 300 | 400 | 400 | 400 | 400 | 450 | 500 | 450 | 600 | 800 | 700 | |
| 600 | 200 | 500 | 200 | 600 | 350 | 450 | 450 | 500 | 450 | 500 | 550 | 500 | 800 | 905 | 800 | |
| 800 | 220 | 600 | 250 | 800 | 400 | 500 | 500 | 600 | 500 | 550 | 600 | 550 | 1010 | 1010 | 905 | |
| 1010 | 250 | 800 | 300 | 1010 | 450 | 550 | 550 | 800 | 550 | 600 | 700 | 600 | 1250 | 1250 | 1010 | |
| 1250 | 300 | 1010 | 350 | 1250 | 500 | 600 | 600 | 1010 | 600 | 800 | 800 | 800 | 2000 | 2000 | 1250 | |
| 2000 | 350 | 1250 | 400 | 2000 | 550 | 800 | 700 | 1250 | 800 | 1010 | 1010 | 1010 | | | 2000 | |
| | 400 | 2000 | 450 | | 600 | 1010 | 800 | 2000 | 1010 | 1250 | 1250 | 1250 | | | | |
| | 450 | | 500 | | 700 | 1250 | 1010 | | 1250 | 2000 | 2000 | 2000 | | | | |
| | 500 | | 600 | | 800 | 2000 | 1250 | | 2000 | | | | | | | |
| | 550 | | 800 | | 1010 | | 2000 | | | | | | | | | |
| | 600 | | 1010 | | 1250 | | | | | | | | | | | |
| | 700 | | 1250 | | 2000 | | | | | | | | | | | |
| | 800 | | 2000 | | | | | | | | | | | | | |
| | 1010 | | | | | | | | | | | | | | | |
| | 1250 | | | | | | | | | | | | | | | |
| | 2000 | | | | | | | | | | | | | | | |

| Stärke in mm | 215 | 235 | 255 | 275 | 305 | 325 | 355 | 375 | 405 | 425 | 455 | 475 | 505 | 525 | 555 | 605 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 805 | 805 | 805 | 805 | 805 | 805 | 805 | 805 | 1010 | 1010 | 1010 | 1250 | 1250 | 1250 | 1600 | 1600 | 1250 |
| 905 | 905 | 905 | 905 | 905 | 905 | 905 | 1010 | 1250 | 1250 | | | | | | | |
| 1010 | 1010 | 1010 | 1010 | 1010 | 1010 | 1010 | 1250 | 1600 | | | | | | | | |
| 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1250 | 1600 | | | | | | | | | |
| 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |