



KOPFBOLZEN MIT
GEWINDEZAPFEN

PN-90/M-83007
DIN 1445

festigkeitsklasse
5.6, 5.8, 8.8, 10.9, 12.9

| d | M6 | M8 | M10 | M12 | M12 | M12 | M16 | M16 | M20 | M20 | M24 | M24 | M27 | M30 | M33 | M36 |
|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| dz | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 27 | 30 | 33 | 36 | 40 | 45 | 50 |
| D | 14 | 18 | 20 | 22 | 25 | 28 | 30 | 33 | 36 | 40 | 44 | 47 | 50 | 55 | 60 | 66 |
| S | 11 | 13 | 16 | 18 | 21 | 24 | 27 | 30 | 32 | 36 | 36 | 41 | 46 | 50 | 55 | 60 |
| k | 3 | 4 | 4 | 4 | 4,5 | 5 | 5 | 5,5 | 6 | 6 | 8 | 8 | 8 | 8 | 9 | 9 |
| b | 11 | 14 | 17 | 20 | 20 | 20 | 25 | 25 | 30 | 30 | 36 | 36 | 39 | 42 | 45 | 50 |
| l | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | |
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| 35 | | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | | |
| 45 | | | | | | | | | | | | | | | | |
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| 60 | | | | | | | | | | | | | | | | |
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| 80 | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | |



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ISO 9001

| d | M6 | M8 | M10 | M12 | M12 | M12 | M16 | M16 | M20 | M20 | M24 | M24 | M27 | M30 | M33 | M36 |
|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| dz | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 27 | 30 | 33 | 36 | 40 | 45 | 50 |
| D | 14 | 18 | 20 | 22 | 25 | 28 | 30 | 33 | 36 | 40 | 44 | 47 | 50 | 55 | 60 | 66 |
| S | 11 | 13 | 16 | 18 | 21 | 24 | 27 | 30 | 32 | 36 | 36 | 41 | 46 | 50 | 55 | 60 |
| k | 3 | 4 | 4 | 4 | 4,5 | 5 | 5 | 5,5 | 6 | 6 | 8 | 8 | 8 | 8 | 9 | 9 |
| b | 11 | 14 | 17 | 20 | 20 | 20 | 25 | 25 | 30 | 30 | 36 | 36 | 39 | 42 | 45 | 50 |
| l | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | |
| 140 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |