

ISO 898-2:2022

Coarse pitch

| Heat treatment | Property Class | Nut height | Thread | Chemical composition limit % | | | | | Tempering temperature |
|---------------------------|----------------|------------|----------|------------------------------|------|------|-------|-------|-----------------------|
| | | | | C | | Mn | P | S | °C |
| | | | | min. | max | min. | max. | max. | min. |
| NOT Quenched and Tempered | 04 | Style 0 | M5 - M39 | 0.06 | 0.58 | 0.25 | 0.060 | 0.150 | - |
| | 8 | Style 1 | M5 - M16 | 0.06 | 0.58 | 0.25 | 0.060 | 0.150 | - |
| | | Style 2 | M5 - M39 | 0.06 | 0.58 | 0.25 | 0.060 | 0.150 | - |

| | | | | | | | | | |
|-----------------------|----|---------|----------|------|------|------|-------|-------|-----|
| Quenched and Tempered | 8 | Style 1 | M5 - M39 | 0.15 | 0.58 | 0.45 | 0.048 | 0.058 | 380 |
| | | Style 2 | M5 - M39 | 0.15 | 0.58 | 0.45 | 0.048 | 0.058 | 380 |
| | 10 | Style 1 | M5 - M39 | 0.15 | 0.58 | 0.45 | 0.048 | 0.058 | 380 |
| | | Style 2 | M5 - M39 | 0.15 | 0.58 | 0.45 | 0.048 | 0.058 | 380 |
| | 12 | Style 1 | M5 - M16 | 0.18 | 0.58 | 0.45 | 0.048 | 0.058 | 410 |
| | | Style 2 | M5 - M39 | 0.15 | 0.58 | 0.45 | 0.048 | 0.058 | 380 |

Fine pitch

| Heat treatment | Property Class | Nut height | Thread | Chemical composition limit % | | | | | Tempering temperature |
|---------------------------|----------------|------------|----------|------------------------------|------|------|-------|-------|-----------------------|
| | | | | C | | Mn | P | S | °C |
| | | | | min. | max | min. | max. | max. | min. |
| NOT Quenched and Tempered | 04 | Style 0 | M8 - M39 | 0.06 | 0.58 | 0.25 | 0.060 | 0.150 | - |
| | 8 | Style 2 | M8 - M16 | 0.06 | 0.58 | 0.25 | 0.060 | 0.150 | - |

| | | | | | | | | | |
|-----------------------|----|---------|-----------|------|------|------|-------|-------|-----|
| Quenched and Tempered | 8 | Style 1 | M8 - M16 | 0.15 | 0.58 | 0.45 | 0.048 | 0.058 | 380 |
| | | Style 1 | M16 - M39 | 0.18 | 0.58 | 0.45 | 0.048 | 0.058 | 410 |
| | | Style 2 | M8 - M39 | 0.15 | 0.58 | 0.45 | 0.048 | 0.058 | 380 |
| | 10 | Style 1 | M5 - M39 | 0.15 | 0.58 | 0.45 | 0.048 | 0.058 | 380 |
| | | Style 2 | M5 - M39 | 0.15 | 0.58 | 0.45 | 0.048 | 0.058 | 380 |
| | 12 | Style 2 | M5 - M39 | 0.18 | 0.58 | 0.45 | 0.048 | 0.058 | 410 |

