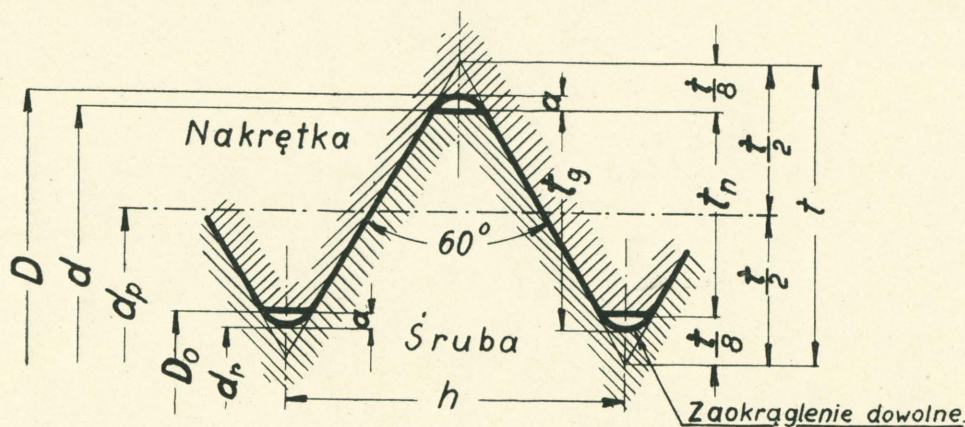


## Gwint Metryczny

Dla średnic 33 — 149 mm.

PN  
G-206

$$a = 0,05 h$$

$$t = 0,866 h$$

$$t_n = 0,6495 h$$

$$t_g = 0,7 h$$

Przykład oznaczenia gwintu metrycznego: M 70.

Milimetry

| Ś r u b a     |                  |                               | Średnica<br>podzia-<br>łowa<br>$d_p$ | Skok<br>gwintu<br>$h$ | Głębokość       |                | Luz<br>$a$ | Nakrętka      |                 |
|---------------|------------------|-------------------------------|--------------------------------------|-----------------------|-----------------|----------------|------------|---------------|-----------------|
| Średnica      |                  | Przekrój<br>rdzenia<br>$cm^2$ |                                      |                       | Gwintu<br>$t_g$ | Nośna<br>$t_n$ |            | Średnica      |                 |
| Gwintu<br>$d$ | Rdzenia<br>$d_r$ |                               |                                      |                       |                 |                |            | Gwintu<br>$D$ | Otworu<br>$D_0$ |
| (33)          | 28.1             | 6.20                          | 30.727                               | 3.5                   | 2.45            | 2.273          | 0.175      | 33.35         | 28.45           |
| 36            | 30.4             | 7.26                          | 33.402                               | 4                     | 2.80            | 2.598          | 0.200      | 36.40         | 30.80           |
| (39)          | 33.4             | 8.76                          | 36.402                               | 4                     | 2.80            | 2.598          | 0.200      | 39.40         | 33.80           |
| 42            | 35.7             | 10.0                          | 39.077                               | 4.5                   | 3.15            | 2.923          | 0.225      | 42.45         | 36.15           |
| (45)          | 38.7             | 11.7                          | 42.077                               | 4.5                   | 3.15            | 2.923          | 0.225      | 45.45         | 39.15           |
| 48            | 41.0             | 13.2                          | 44.752                               | 5                     | 3.50            | 3.248          | 0.250      | 48.50         | 41.50           |
| (52)          | 45.0             | 15.9                          | 48.752                               | 5                     | 3.50            | 3.248          | 0.250      | 52.50         | 45.50           |
| 56            | 48.3             | 18.3                          | 52.428                               | 5.5                   | 3.85            | 3.572          | 0.275      | 56.55         | 48.85           |
| (60)          | 52.3             | 21.5                          | 56.428                               | 5.5                   | 3.85            | 3.572          | 0.275      | 60.55         | 52.85           |
| 64            | 55.6             | 24.3                          | 60.103                               | 6                     | 4.2             | 3.897          | 0.3        | 64.6          | 56.2            |
| (68)          | 59.6             | 27.9                          | 64.103                               | 6                     | 4.2             | 3.897          | 0.3        | 68.6          | 60.2            |
| 72            | 63.6             | 31.8                          | 68.103                               | 6                     | 4.2             | 3.897          | 0.3        | 72.6          | 64.2            |
| (76)          | 67.6             | 35.9                          | 72.103                               | 6                     | 4.2             | 3.897          | 0.3        | 76.6          | 68.2            |
| 80            | 71.6             | 40.2                          | 76.103                               | 6                     | 4.2             | 3.897          | 0.3        | 80.6          | 72.2            |
| (84)          | 75.6             | 44.9                          | 80.103                               | 6                     | 4.2             | 3.897          | 0.3        | 84.6          | 76.2            |
| 89            | 80.6             | 51.0                          | 85.103                               | 6                     | 4.2             | 3.897          | 0.3        | 89.6          | 81.2            |
| (94)          | 85.6             | 57.5                          | 90.103                               | 6                     | 4.2             | 3.897          | 0.3        | 94.6          | 86.2            |
| 99            | 90.6             | 64.5                          | 95.103                               | 6                     | 4.2             | 3.897          | 0.3        | 99.6          | 91.2            |
| (104)         | 95.6             | 71.8                          | 100.103                              | 6                     | 4.2             | 3.897          | 0.3        | 104.6         | 96.2            |
| 109           | 100.6            | 79.5                          | 105.103                              | 6                     | 4.2             | 3.897          | 0.3        | 109.6         | 101.2           |
| (114)         | 105.6            | 87.6                          | 110.103                              | 6                     | 4.2             | 3.897          | 0.3        | 114.6         | 106.2           |
| 119           | 110.6            | 96.1                          | 115.103                              | 6                     | 4.2             | 3.897          | 0.3        | 119.6         | 111.2           |
| (124)         | 115.6            | 104.7                         | 120.103                              | 6                     | 4.2             | 3.897          | 0.3        | 124.6         | 116.2           |
| 129           | 120.6            | 114.2                         | 125.103                              | 6                     | 4.2             | 3.897          | 0.3        | 129.6         | 121.2           |
| (134)         | 125.6            | 123.9                         | 130.103                              | 6                     | 4.2             | 3.897          | 0.3        | 134.6         | 126.2           |
| 139           | 130.6            | 134.0                         | 135.103                              | 6                     | 4.2             | 3.897          | 0.3        | 139.6         | 131.2           |
| (144)         | 135.6            | 144.5                         | 140.103                              | 6                     | 4.2             | 3.897          | 0.3        | 144.6         | 136.2           |
| 149           | 140.6            | 155.2                         | 145.103                              | 6                     | 4.2             | 3.897          | 0.3        | 149.6         | 141.2           |

Unikać gwintów podanych w nawiasach.

Wymiary podane w tablicy dają teoretyczny profil gwintu przy temperaturze 20° i są podstawą do wykonania sprawdzianów gwintu. Wymiary praktyczne i tolerancje dla różnych klas gwintu są podane w tablicach PN—G 208, 209, 211, 212, 214, 215.

149