

Rosca interior / Filettatura interna / Rosca interior
Rosca exterior / Filettatura esterna / Rosca exterior

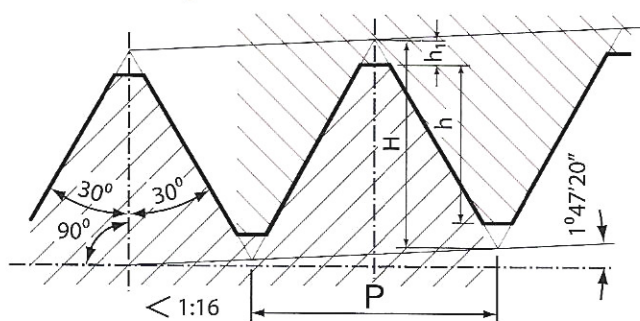
$$P = 25,4 / N$$

$$H = 0,866 P$$

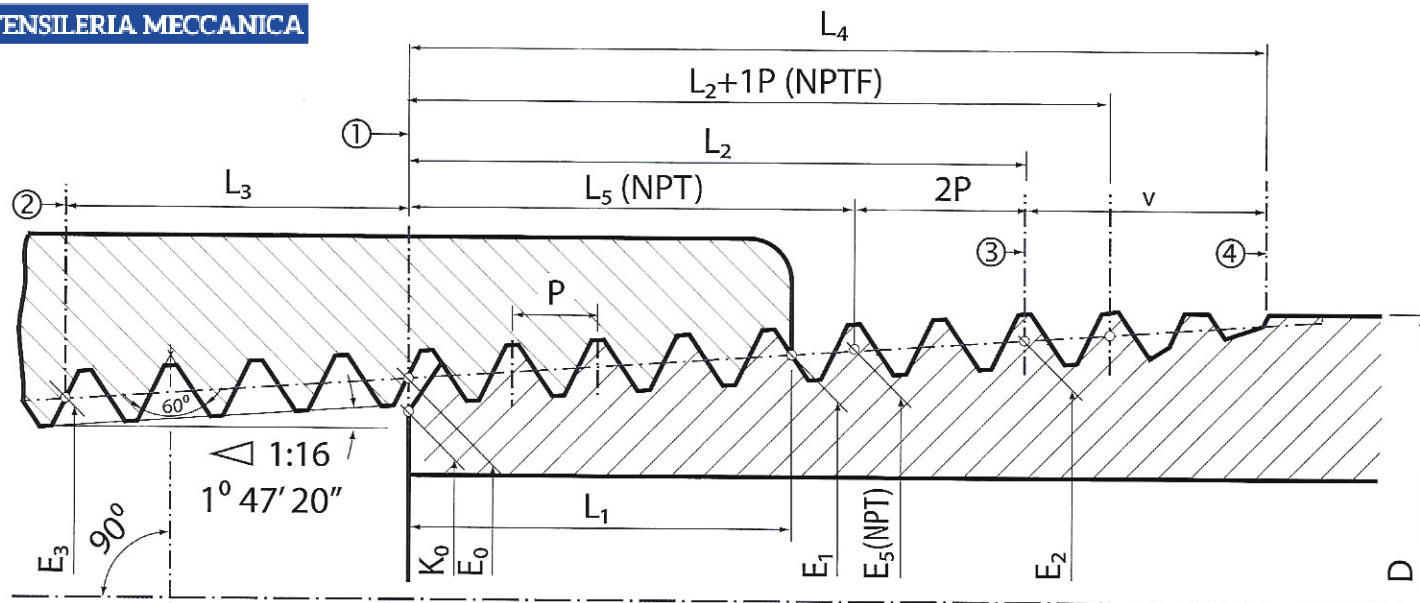
$$h = 0,8 P$$

$$h_1 = \text{Min. } 0,033 P$$

$$E_1 = E_0 + 0,0625 L_1$$



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- ① Plano de medida / Piano di misura / Plano de medida
② Longitud utilizable mínima / Lunghezza minima utile / Longitude mínima útil
③ Salida de rosca / Uscita filettatura / Saída de rosca
④ Longitud roscada de la rosca interior, la medida mayor, para enroscar a mano
Lunghezza filettata del filetto interno, nella misura massima, è avvitato a mano
Longitude roscada da rosca interior, ao máximo, é atarraxado à mão

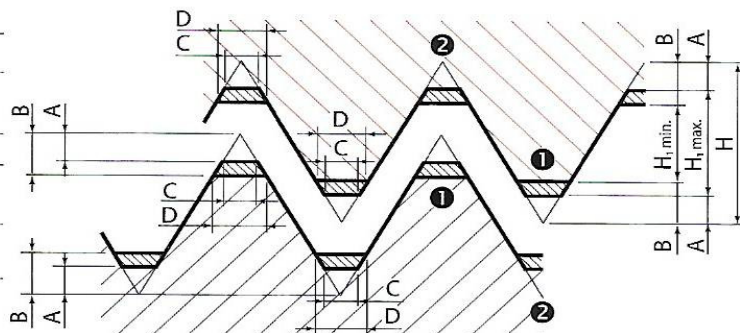
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| Diámetro exterior del tubo Diametro esterno del tubo Diâmetro exterior do tubo | | Paso Passo Passo | Diámetro medio Diametro medio Diâmetro médio | Medidas montaje a mano Misure di montaggio a mano Medidas de montagem manual | | Medidas de una rosca interior para montaje con llave Misure di montaggio una filettatura interna con chiave Medidas de rosca interior com chave | | | | Rosca interior utilizable Filettatura interna utilizzabile Rosca interior utilizável |
|--|---------|------------------------|--|--|----------------|---|----------------|----------------|----------------|--|
| Zoll / Inch / Pouce | mm | N | E ₀ | L ₁ | E ₁ | NPT | | NPTF | | L ₁ + L ₃ + 1P |
| | | h/1" | | | | L ₃ | E ₃ | L ₃ | E ₃ | |
| 1/16 | 7,937 | 27 | 6,888 | 4,064 | 7,142 | 2,822 | 6,712 | 2,822 | 6,711 | 7,828 |
| 1/8 | 10,287 | 27 | 9,233 | 4,102 | 9,489 | 2,822 | 9,057 | 2,822 | 9,058 | 7,866 |
| 1/4 | 13,716 | 18 | 12,126 | 5,786 | 12,487 | 4,234 | 11,861 | 4,234 | 11,862 | 11,430 |
| 3/8 | 17,145 | 18 | 15,545 | 6,096 | 15,926 | 4,234 | 15,281 | 4,234 | 15,281 | 11,740 |
| 1/2 | 21,336 | 14 | 19,264 | 8,128 | 19,772 | 5,443 | 18,924 | 5,443 | 18,926 | 15,384 |
| 3/4 | 26,670 | 14 | 24,579 | 8,611 | 25,117 | 5,443 | 24,239 | 5,443 | 24,239 | 15,867 |
| 1 | 33,401 | 11 1/2 | 30,826 | 10,160 | 31,461 | 6,627 | 30,412 | 6,627 | 30,411 | 18,996 |
| 1 1/4 | 42,164 | 11 1/2 | 39,551 | 10,668 | 40,218 | 6,627 | 39,137 | 6,627 | 39,136 | 19,504 |
| 1 1/2 | 48,260 | 11 1/2 | 45,621 | 10,668 | 46,287 | 6,627 | 45,206 | 6,627 | 45,207 | 19,504 |
| 2 | 60,325 | 11 1/2 | 57,633 | 11,074 | 58,325 | 6,627 | 57,219 | 6,627 | 57,219 | 19,910 |
| 2 1/2 | 73,025 | 8 | 69,076 | 17,323 | 70,159 | 6,350 | 68,679 | 9,525 | 68,481 | 30,023 |
| 3 | 88,900 | 8 | 84,852 | 19,456 | 86,068 | 6,350 | 84,455 | 9,525 | 84,257 | 32,156 |
| 3 1/2 | 101,600 | 8 | 97,472 | 20,853 | 98,776 | 6,350 | 97,076 | - | - | - |
| 4 | 114,300 | 8 | 110,093 | 21,438 | 111,433 | 6,350 | 109,696 | - | - | - |
| 5 | 141,300 | 8 | 136,925 | 23,800 | 138,412 | 6,350 | 136,528 | - | - | - |
| 6 | 168,275 | 8 | 163,731 | 24,333 | 165,252 | 6,350 | 163,334 | - | - | - |
| 8 | 219,075 | 8 | 214,213 | 27,000 | 215,900 | 6,350 | 213,816 | - | - | - |
| 10 | 273,050 | 8 | 267,851 | 30,734 | 269,772 | 6,350 | 267,454 | - | - | - |
| 12 | 323,850 | 8 | 318,333 | 34,544 | 320,492 | 6,350 | 317,937 | - | - | - |

NPT

Truncatura de la rosca / Smusso della filettatura / Truncamento da rosca

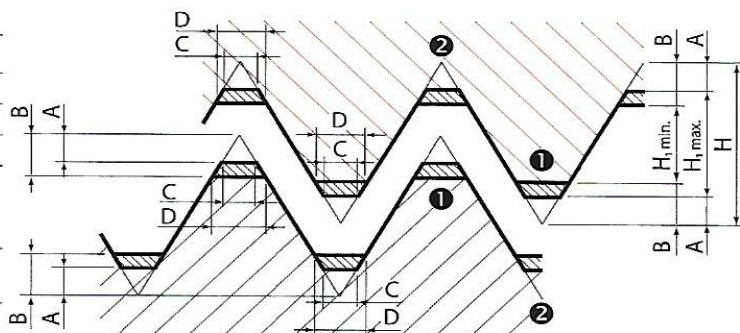
| N | P | H | H ₁ | | A | B | C | D |
|------|-------|-------|----------------|-------|-------|-------|-------|-------|
| | | | Min. | Max. | | | | |
| h/1" | mm | mm | mm | mm | mm | mm | mm | mm |
| 27 | 0,941 | 0,815 | 0,634 | 0,753 | 0,030 | 0,091 | 0,036 | 0,104 |
| 18 | 1,411 | 1,222 | 0,974 | 1,289 | 0,046 | 0,124 | 0,053 | 0,145 |
| 14 | 1,814 | 1,571 | 1,288 | 1,451 | 0,061 | 0,142 | 0,069 | 0,163 |
| 11,5 | 2,209 | 1,913 | 1,590 | 1,767 | 0,074 | 0,160 | 0,084 | 0,186 |
| 8 | 3,175 | 2,750 | 2,356 | 2,540 | 0,104 | 0,198 | 0,122 | 0,229 |



NPTF

Truncatura de la rosca / Smusso della filettatura / Truncamento da rosca

| N | P | H | H ₁ | | ① Cresta / Cresta / Crista | | | | ② Núcleo / Nocciolo / Núcleo | | | |
|------|-------|-------|----------------|-------|----------------------------|-------|-------|-------|------------------------------|-------|-------|-------|
| | | | Min. | Max. | A | B | C | D | A | B | C | D |
| h/1" | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| 27 | 0,941 | 0,815 | 0,595 | 0,682 | 0,043 | 0,089 | 0,051 | 0,102 | 0,089 | 0,132 | 0,102 | 0,152 |
| 18 | 1,411 | 1,222 | 0,958 | 1,046 | 0,066 | 0,109 | 0,076 | 0,127 | 0,109 | 0,155 | 0,127 | 0,178 |
| 14 | 1,814 | 1,571 | 1,308 | 1,397 | 0,066 | 0,109 | 0,076 | 0,127 | 0,109 | 0,155 | 0,127 | 0,178 |
| 11,5 | 2,209 | 1,913 | 1,581 | 1,692 | 0,089 | 0,132 | 0,102 | 0,152 | 0,132 | 0,198 | 0,152 | 0,228 |
| 8 | 3,175 | 2,750 | 2,334 | 2,442 | 0,132 | 0,175 | 0,152 | 0,203 | 0,175 | 0,241 | 0,203 | 0,279 |



| Diámetro exterior del tubo Diametro esterno del tubo Diâmetro exterior do tubo | | Paso Passo Passo | Rosca exterior útil Filettatura esterna utile Rosca exterior útil | | | Longitud total de la rosca exterior Lunghezza totale della filettatura esterna Longitude total de rosca exterior | | Longitud de hilos completos en la rosca exterior Lunghezza dei filetti completi nella filettatura esterna Longitude total fios completos de rosca exterior | | Diámetro del núcleo al final del tubo Diametro del nocciolo, alla fine del tubo Diâmetro do núcleo na extremo do tubo |
|--|---------|------------------------|---|----------------|---------------------|--|--------|--|----------------|---|
| Zoll / Inch / Pouce | mm | N | NPT | | NPTF | NPT | NPTF | NPT | | NPT |
| | | | L ₂ | E ₂ | L ₂ + 1P | | | L ₅ | E ₅ | |
| | | | mm | mm | mm | mm | mm | mm | mm | mm |
| 1/16 | 7,937 | 27 | 6,632 | 7,302 | 7,573 | 9,896 | 9,525 | 4,750 | 7,185 | 6,137 |
| 1/8 | 10,287 | 27 | 6,703 | 9,652 | 7,644 | 9,967 | 9,525 | 4,821 | 9,534 | 8,481 |
| 1/4 | 13,716 | 18 | 10,206 | 12,763 | 11,617 | 15,103 | 14,288 | 7,384 | 12,587 | 10,996 |
| 3/8 | 17,145 | 18 | 10,358 | 16,192 | 11,769 | 15,255 | 14,288 | 7,536 | 16,016 | 14,417 |
| 1/2 | 21,336 | 14 | 13,556 | 20,111 | 15,370 | 19,850 | 19,050 | 9,929 | 19,885 | 17,813 |
| 3/4 | 26,670 | 14 | 13,861 | 25,445 | 15,675 | 20,155 | 19,050 | 10,234 | 25,219 | 23,127 |
| 1 | 33,401 | 11 1/2 | 17,343 | 31,910 | 19,552 | 25,006 | 23,813 | 12,926 | 31,634 | 29,060 |
| 1 1/4 | 42,164 | 11 1/2 | 17,953 | 40,673 | 20,162 | 25,616 | 24,608 | 13,536 | 40,397 | 37,785 |
| 1 1/2 | 48,260 | 11 1/2 | 18,377 | 46,769 | 20,286 | 26,040 | 25,400 | 13,960 | 46,493 | 43,853 |
| 2 | 60,325 | 11 1/2 | 19,215 | 58,834 | 21,424 | 26,878 | 26,192 | 14,798 | 58,558 | 55,867 |
| 2 1/2 | 73,025 | 8 | 28,892 | 70,882 | 32,068 | 39,908 | 38,496 | 22,542 | 70,485 | 66,525 |
| 3 | 88,900 | 8 | 30,480 | 86,757 | 33,655 | 41,496 | 40,084 | 24,130 | 86,360 | 82,311 |
| 3 1/2 | 101,600 | 8 | 31,750 | 99,457 | - | 42,766 | - | 25,400 | 99,060 | 94,933 |
| 4 | 114,300 | 8 | 33,020 | 112,157 | - | 44,036 | - | 26,670 | 111,760 | 107,554 |
| 5 | 141,300 | 8 | 35,720 | 139,157 | - | 46,736 | - | 29,370 | 138,760 | 134,384 |
| 6 | 168,275 | 8 | 38,417 | 166,132 | - | 49,433 | - | 32,067 | 165,735 | 161,191 |
| 8 | 219,075 | 8 | 43,497 | 216,932 | - | 54,513 | - | 37,147 | 216,535 | 211,673 |
| 10 | 273,050 | 8 | 48,895 | 270,907 | - | 59,911 | - | 42,545 | 270,510 | 265,311 |
| 12 | 323,850 | 8 | 53,975 | 321,707 | - | 64,990 | - | 47,625 | 321,310 | 315,793 |

