

RECOMENDACIONES DE CLASES Y AJUSTES PARA MACHUELOS EN PULGADAS



RECOMENDACIONES PARA CLASES DE LA ROSCA EN MACHUELOS
ROSCAS UNIFICADAS Y DE LA ROSCAS AMERICANAS

| MEDIDA NOMINAL | HPP NC UNC | HPP NF UNF | CLASE RECOMENDADA DEL MACHUELO CLASE 3B | | | | CLASE RECOMENDADA DEL MACHUELO | | | | |
|----------------|------------|------------|---|---------|----------|----------|--------------------------------|--------------|--------------|---------------|---------------|
| | | | CLASE 2 | CLASE 3 | CLASE 2B | CLASE 3B | MIN. TODAS LAS CLASES (BÁSICO) | MAX. CLASE 2 | MAX. CLASE 3 | MAX. CLASE 2B | MAX. CLASE 3B |
| 0 | — | 80 | GH1 | GH1 | GH2 | GH1 | .0519 | .0536 | .0532 | .0542 | .0536 |
| 1 | 64 | — | GH1 | GH1 | GH2 | GH1 | .0629 | .0648 | .0643 | .0655 | .0648 |
| 1 | — | 72 | GH1 | GH1 | GH2 | GH1 | .0640 | .0658 | .0653 | .0665 | .0659 |
| 2 | 56 | — | GH1 | GH1 | GH2 | GH1 | .0744 | .0764 | .0759 | .0772 | .0765 |
| 2 | — | 64 | GH1 | GH1 | GH2 | GH1 | .0759 | .0778 | .0773 | .0786 | .0779 |
| 3 | 48 | — | GH1 | GH1 | GH2 | GH1 | .0855 | .0877 | .0871 | .0885 | .0877 |
| 3 | — | 56 | GH1 | GH1 | GH2 | GH1 | .0874 | .0894 | .0889 | .0902 | .0895 |
| 4 | 40 | — | GH2 | GH1 | GH2 | GH2 | .0958 | .0982 | .0975 | .0991 | .0982 |
| 4 | — | 48 | GH1 | GH1 | GH2 | GH1 | .0985 | .1007 | .1001 | .1016 | .1008 |
| 5 | 40 | — | GH2 | GH1 | GH2 | GH2 | .1088 | .1112 | .1105 | .1121 | .1113 |
| 5 | — | 44 | GH1 | GH1 | GH2 | GH1 | .1102 | .1125 | .1118 | .1134 | .1126 |
| 6 | 32 | — | GH2 | GH1 | GH3 | GH2 | .1177 | .1204 | .1196 | .1214 | .1204 |
| 6 | — | 40 | GH2 | GH1 | GH2 | GH2 | .1218 | .1242 | .1235 | .1252 | .1243 |
| 8 | 32 | — | GH2 | GH1 | GH3 | GH2 | .1437 | .1464 | .1456 | .1475 | .1465 |
| 8 | — | 36 | GH2 | GH1 | GH2 | GH2 | .1460 | .1485 | .1478 | .1496 | .1487 |
| 10 | 24 | — | GH3 | GH1 | GH3 | GH3 | .1629 | .1662 | .1653 | .1672 | .1661 |
| 10 | — | 32 | GH2 | GH1 | GH3 | GH2 | .1697 | .1724 | .1716 | .1736 | .1726 |
| 12 | 24 | — | GH3 | GH1 | GH3 | GH3 | .1889 | .1922 | .1913 | .1933 | .1922 |
| 12 | — | 28 | GH3 | GH1 | GH3 | GH3 | .1928 | .1959 | .1950 | .1970 | .1959 |
| 1/4 | 20 | — | GH3 | GH2 | GH5 | GH3 | .2175 | .2211 | .2201 | .2224 | .2211 |
| 1/4 | — | 28 | GH3 | GH1 | GH4 | GH3 | .2268 | .2299 | .2290 | .2311 | .2300 |
| 5/16 | 18 | — | GH3 | GH2 | GH5 | GH3 | .2764 | .2805 | .2794 | .2817 | .2803 |
| 5/16 | — | — | GH3 | GH1 | GH4 | GH3 | .2854 | .2887 | .2878 | .3401 | .2890 |
| 3/8 | 16 | 24 | GH3 | GH2 | GH5 | GH3 | .3344 | .3389 | .3376 | .3401 | .3387 |
| 3/8 | — | — | GH3 | GH1 | GH4 | GH3 | .3479 | .3512 | .3503 | .3528 | .3516 |
| 7/16 | 14 | 20 | GH5 | GH3 | GH5 | GH3 | .3911 | .3960 | .3947 | .3972 | .3957 |
| 7/16 | — | 24 | GH3 | GH1 | GH5 | GH3 | .4050 | .4086 | .4076 | .4104 | .4091 |
| 1/2 | 13 | — | GH5 | GH3 | GH5 | GH3 | .4500 | .4552 | .4537 | .4565 | .4548 |
| 1/2 | — | 20 | GH3 | GH1 | GH5 | GH3 | .4675 | .4711 | .4701 | .4731 | .4717 |
| 9/16 | 12 | — | GH5 | GH3 | GH5 | GH3 | .5084 | .5140 | .5124 | .5152 | .5135 |
| 9/16 | — | 18 | GH3 | GH2 | GH5 | GH3 | .5264 | .5305 | .5294 | .5323 | .5308 |
| 5/8 | 11 | — | GH5 | GH3 | GH5 | GH3 | .5660 | .5719 | .5702 | .5732 | .5714 |
| 5/8 | — | 18 | GH3 | GH2 | GH5 | GH3 | .5889 | .5930 | .5919 | .5949 | .5934 |
| 3/4 | 10 | — | GH5 | GH3 | GH5 | GH3 | .6850 | .6914 | .6895 | .6927 | .6907 |
| 3/4 | — | 16 | GH3 | GH2 | GH5 | GH3 | .7094 | .7139 | .7126 | .7159 | .7143 |
| 7/8 | 9 | — | GH6 | GH4 | GH6 | GH4 | .8028 | .8098 | .8077 | .8110 | .8089 |
| 7/8 | — | 14 | GH4 | GH2 | GH6 | GH4 | .8286 | .8335 | .8322 | .8356 | .8339 |
| 1 | 8 | — | GH6 | GH4 | GH6 | GH4 | .9188 | .9264 | .9242 | .9276 | .9254 |
| 1 | — | 12 | GH4 | GH2 | GH6 | GH4 | .9459 | .9515 | .9499 | .9535 | .9516 |
| 1 | — | 14* | GH4 | GH2 | GH6 | GH4 | .9536 | .9585 | .9572 | .9609 | .9590 |
| 1 1/8 | 7 | — | GH8 | GH4 | GH8 | GH4 | 1.0322 | 1.0407 | 1.0381 | 1.0416 | 1.0393 |
| 1 1/8 | — | 12 | GH4 | GH4 | GH6 | GH4 | 1.0709 | 1.0765 | 1.0749 | 1.0787 | 1.0768 |
| 1 1/4 | 7 | — | GH8 | GH4 | GH8 | GH4 | 1.1572 | 1.1657 | 1.1631 | 1.1668 | 1.1644 |
| 1 1/4 | — | 12 | GH4 | GH4 | GH6 | GH4 | 1.1959 | 1.2015 | 1.1999 | 1.2039 | 1.2019 |
| 1 3/8 | 6 | — | GH8 | GH4 | GH8 | GH4 | 1.2667 | 1.2768 | 1.2738 | 1.2771 | 1.2745 |
| 1 3/8 | — | 12 | GH4 | GH4 | GH6 | GH4 | 1.3209 | 1.3265 | 1.3249 | 1.3291 | 1.3270 |
| 1 1/2 | 6 | — | GH8 | GH4 | GH8 | GH4 | 1.3917 | 1.4018 | 1.3988 | 1.4022 | 1.3996 |
| 1 1/2 | — | 12 | GH4 | GH4 | GH6 | GH4 | 1.4459 | 1.4515 | 1.4499 | 1.4542 | 1.4522 |

Estas son recomendaciones generales de machuelos para producir la Clase de la rosca indicada en promedio cuando los materiales son utilizados correctamente.

En cualquier caso, si el machuelo seleccionado no da el ajuste requerido, favor de consultar a la fábrica.