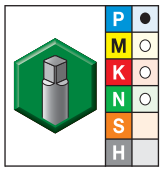





## Series 5305 • Machine Screw Sizes • Sets of One Each Taper, Plug, and Bottoming Chamfer

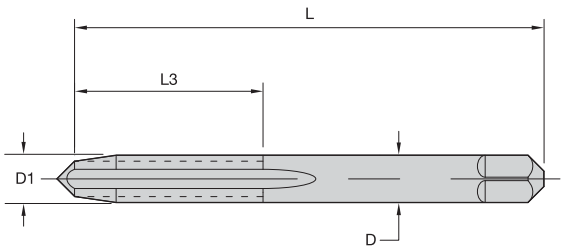



● first choice
○ alternate choice

| uncoated | | inch dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| order # | catalog # | D1 size | L | L3 | D | number of flutes | pitch diameter limit |
| **2748981** | **15105** | 0 - 80 | 1.63 | .31 | .141 | 2 | H1 |
| **2748968** | **15117** | 1 - 64 | 1.69 | .38 | .141 | 2 | H1 |
| **2748961** | **15123** | 1 - 72 | 1.69 | .38 | .141 | 2 | H1 |
| **2748945** | **15137** | 2 - 56 | 1.75 | .44 | .141 | 3 | H2 |
| **2748928** | **15147** | 2 - 64 | 1.75 | .44 | .141 | 3 | H2 |
| **2748918** | **15159** | 3 - 48 | 1.81 | .50 | .141 | 3 | H2 |
| **2748902** | **15169** | 3 - 56 | 1.81 | .50 | .141 | 3 | H2 |
| **2748880** | **15187** | 4 - 40 | 1.88 | .56 | .141 | 3 | H2 |
| **2748863** | **15199** | 4 - 48 | 1.88 | .56 | .141 | 3 | H2 |
| **2865313** | **15212** | 5 - 40 | 1.94 | .63 | .141 | 3 | H2 |
| **2748851** | **15223** | 5 - 44 | 1.94 | .63 | .141 | 3 | H2 |
| **2865286** | **15228** | 6 - 32 | 2.00 | .69 | .141 | 3 | H1 |
| **2865274** | **15234** | 6 - 32 | 2.00 | .69 | .141 | 3 | H2 |
| **2748838** | **15240** | 6 - 32 | 2.00 | .69 | .141 | 3 | H3 |
| **2748818** | **15260** | 6 - 40 | 2.00 | .69 | .141 | 3 | H2 |
| **2748801** | **15278** | 8 - 32 | 2.13 | .75 | .168 | 4 | H2 |
| **2865185** | **15286** | 8 - 32 | 2.13 | .75 | .168 | 4 | H3 |
| **2748756** | **15304** | 8 - 36 | 2.13 | .75 | .168 | 4 | H2 |
| **2748743** | **15323** | 10 - 24 | 2.38 | .88 | .194 | 4 | H2 |
| **2748731** | **15330** | 10 - 24 | 2.38 | .88 | .194 | 4 | H3 |
| **2748685** | **15355** | 10 - 32 | 2.38 | .88 | .194 | 4 | H2 |
| **2748670** | **15363** | 10 - 32 | 2.38 | .88 | .194 | 4 | H3 |
| **2748637** | **15386** | 12 - 24 | 2.38 | .94 | .220 | 4 | H3 |
| **2748623** | **15393** | 12 - 28 | 2.38 | .94 | .220 | 4 | H3 |

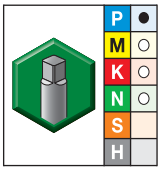
*NOTE: Hand taps for 3B class of fit are suitable for UNJ aerospace internal threading applications.*
*Tap sets include one of each: taper, plug, and bottoming chamfer.*
*Refer to tables on pages W231–W232 for the recommended pitch diameter limit for 2B or 3B class of fit.*






## Series 5303 • Fractional Sizes • Sets of One Each Taper, Plug, and Bottoming Chamfer

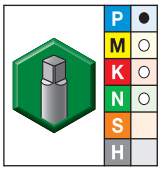



● first choice
○ alternate choice

| uncoated | | inch dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| order # | catalog # | D1 size | L | L3 | D | number of flutes | pitch diameter limit |
| 2749834 | 14013 | 1/4 - 20 | 2.50 | 1.00 | .255 | 4 | H1 |
| 2749824 | 14018 | 1/4 - 20 | 2.50 | 1.00 | .255 | 4 | H2 |
| 2749815 | 14025 | 1/4 - 20 | 2.50 | 1.00 | .255 | 4 | H3 |
| 2749764 | 14058 | 1/4 - 28 | 2.50 | 1.00 | .255 | 4 | H3 |
| 2749729 | 14095 | 5/16 - 18 | 2.72 | 1.13 | .318 | 4 | H3 |
| 2749680 | 14125 | 5/16 - 24 | 2.72 | 1.13 | .318 | 4 | H3 |
| 2749644 | 14160 | 3/8 - 16 | 2.94 | 1.25 | .381 | 4 | H3 |
| 2749605 | 14193 | 3/8 - 24 | 2.94 | 1.25 | .381 | 4 | H3 |
| 2749581 | 14224 | 7/16 - 14 | 3.16 | 1.44 | .323 | 4 | H3 |
| 2749560 | 14249 | 7/16 - 20 | 3.16 | 1.44 | .323 | 4 | H3 |
| 2749538 | 14284 | 1/2 - 13 | 3.38 | 1.66 | .367 | 4 | H3 |
| 2749503 | 14311 | 1/2 - 20 | 3.38 | 1.66 | .367 | 4 | H3 |
| 2749488 | 14341 | 9/16 - 12 | 3.59 | 1.66 | .429 | 4 | H3 |
| 2749472 | 14359 | 9/16 - 18 | 3.59 | 1.66 | .429 | 4 | H3 |
| 2749454 | 14382 | 5/8 - 11 | 3.81 | 1.81 | .480 | 4 | H3 |
| 2749426 | 14405 | 5/8 - 18 | 3.81 | 1.81 | .480 | 4 | H3 |
| 2749402 | 14426 | 11/16 - 11 | 4.03 | 1.06 | .542 | 4 | H3 |
| 2749388 | 14451 | 3/4 - 10 | 4.25 | 2.00 | .590 | 4 | H3 |
| 2749368 | 14474 | 3/4 - 16 | 4.25 | 2.00 | .590 | 4 | H3 |
| 2749350 | 14502 | 7/8 - 9 | 4.69 | 2.22 | .697 | 4 | H4 |
| 2749335 | 14519 | 7/8 - 14 | 4.69 | 2.22 | .697 | 4 | H4 |
| 2749320 | 14547 | 1 - 8 | 5.13 | 2.50 | .800 | 4 | H4 |
| 3303777 | 14560 | 1 - 12 | 5.13 | 2.50 | .800 | 4 | H4 |
| 2749288 | 14571 | 1 - 14 | 5.13 | 2.50 | .800 | 4 | H4 |

*(continued)*

*(Series 5303 • Fractional Sizes • Sets of One Each Taper, Plug, and Bottoming Chamfer — continued)*




● first choice
○ alternate choice

| uncoated | | inch dimensions | | | | number of flutes | pitch diameter limit |
|---|---|---|---|---|---|---|---|
| order # | catalog # | D1 size | L | L3 | D | | |
| **2749275** | **14597** | 1 1/8 - 7 | 5.44 | 2.56 | .896 | 4 | H4 |
| **2749267** | **14606** | 1 1/8 - 12 | 5.44 | 2.56 | .896 | 4 | H4 |
| **2749260** | **14615** | 1 1/4 - 7 | 5.75 | 2.56 | 1.021 | 4 | H4 |
| **2749254** | **14623** | 1 1/4 - 12 | 5.75 | 2.56 | 1.021 | 6 | H4 |
| **2749249** | **14635** | 1 3/8 - 6 | 6.06 | 3.00 | 1.108 | 4 | H4 |
| **2749243** | **14643** | 1 3/8 - 12 | 6.06 | 3.00 | 1.108 | 6 | H4 |
| **2749237** | **14648** | 1 1/2 - 6 | 6.38 | 3.00 | 1.233 | 4 | H4 |
| **2749231** | **14656** | 1 1/2 - 12 | 6.38 | 3.00 | 1.233 | 6 | H4 |

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