

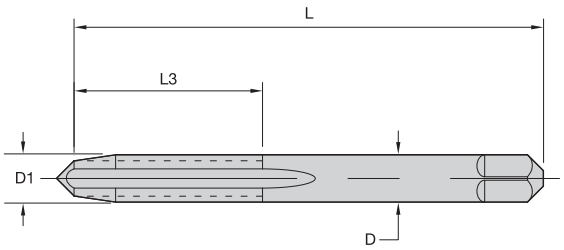



● first choice
○ alternate choice

## ■ Series 5305L/5303L • Fractional Sizes • Sets of One Each Taper, Plug, and Bottoming Chamfer and Sets

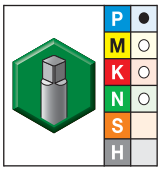
| taper chamfer 7–10 pitch | | plug chamfer 3–5 pitch | | full bottom 1–2 pitch | | taper and plug bottoming set | | inch dimensions | | | | number of flutes | pitch diameter limit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | order # | catalog # | order # | catalog # | D1 TPI | L | L3 | D | | |
| 2749814 | 14026 | 2749813 | 14027 | 2749811 | 14028 | 2749810 | 14029 | 1/4 - 20 | 2.50 | 1.00 | .255 | 4 | H3 |
| – | | 3171054 | 14060 | – | | – | | 1/4 - 28 | 2.50 | 1.00 | .255 | 4 | H3 |
| 2749727 | 14096 | 2749724 | 14097 | 2749721 | 14098 | 2749719 | 14099 | 5/16 - 18 | 2.72 | 1.13 | .318 | 4 | H3 |
| 2749679 | 14126 | 2749677 | 14127 | 2749675 | 14128 | 2749674 | 14129 | 5/16 - 24 | 2.72 | 1.13 | .318 | 4 | H3 |
| 2749642 | 14161 | 2749639 | 14162 | 2749637 | 14163 | 2749636 | 14164 | 3/8 - 16 | 2.94 | 1.25 | .381 | 4 | H3 |
| 2749603 | 14194 | 2749601 | 14195 | 2749599 | 14196 | 2749597 | 14197 | 3/8 - 24 | 2.94 | 1.25 | .381 | 4 | H3 |
| 2749580 | 14225 | – | | – | | – | | 7/16 - 14 | 3.16 | 1.44 | .323 | 4 | H3 |
| 3171055 | 14250 | 2749557 | 14251 | 2749554 | 14252 | – | | 7/16 - 20 | 3.16 | 1.44 | .323 | 4 | H3 |
| 2866246 | 14285 | 2749535 | 14286 | 2749533 | 14287 | 2749531 | 14288 | 1/2 - 13 | 3.38 | 1.66 | .367 | 4 | H3 |
| 2749502 | 14312 | 2749499 | 14313 | 2749497 | 14314 | 2749495 | 14315 | 1/2 - 20 | 3.38 | 1.66 | .367 | 4 | H3 |
| 2749470 | 14360 | – | | – | | – | | 9/16 - 18 | 3.59 | 1.66 | .429 | 4 | H3 |
| 2749451 | 14383 | 2749449 | 14384 | 2749447 | 14385 | – | | 5/8 - 11 | 3.81 | 1.81 | .480 | 4 | H3 |
| 2749424 | 14406 | 2749421 | 14407 | 2749420 | 14408 | – | | 5/8 - 18 | 3.81 | 1.81 | .480 | 4 | H3 |
| 2749386 | 14452 | 2749384 | 14453 | 2749382 | 14454 | – | | 3/4 - 10 | 4.25 | 2.00 | .590 | 4 | H3 |
| 2749367 | 14475 | 2749365 | 14476 | 2749363 | 14477 | – | | 3/4 - 16 | 4.25 | 2.00 | .590 | 4 | H3 |






## Series 5353 • Sets of One Each, Taper, Plug, Bottoming Chamfer • Metric ANSI

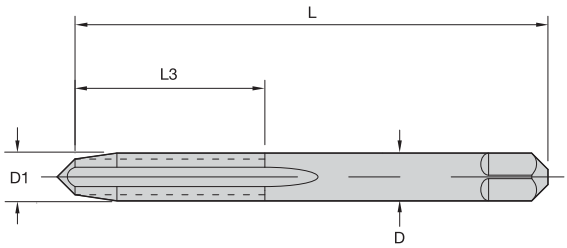



● first choice
○ alternate choice

| uncoated | | inch dimensions | | | | | |
|---|---|---|---|---|---|---|---|
| order # | catalog # | D1 size | L | L3 | D | number of flutes | pitch diameter limit |
| **2749202** | **14744** | M3 X 0,5 | 1.94 | .63 | .141 | 3 | D3 |
| **2749192** | **14760** | M4 X 0,7 | 2.13 | .75 | .168 | 4 | D4 |
| **2749181** | **14777** | M5 X 0,8 | 2.38 | .88 | .194 | 4 | D4 |
| **2749171** | **14784** | M6 X 1 | 2.50 | 1.00 | .255 | 4 | D5 |
| **2749153** | **14800** | M8 X 1,25 | 2.72 | 1.13 | .318 | 4 | D5 |
| **2749145** | **14816** | M10 X 1,5 | 2.94 | 1.25 | .381 | 4 | D6 |
| **2749136** | **14832** | M12 X 1,75 | 3.38 | 1.66 | .367 | 4 | D6 |
| **2749125** | **14848** | M14 X 2 | 3.59 | 1.66 | .429 | 4 | D7 |
| **2749119** | **14864** | M16 X 2 | 3.81 | 1.81 | .480 | 4 | D7 |
| **2749099** | **14896** | M20 X 2,5 | 4.47 | 2.00 | .652 | 4 | D7 |

*NOTE: Metric taps for 6H class of fit are suitable for MJ aerospace internal threading applications.*
*Metric taps are manufactured to USCTI specifications and dimensions.*
*Metric tap blank dimensions are equivalent to inch taps.*
*Refer to tables on pages W231–W232 for the recommended pitch diameter limit for 6H class of fit.*



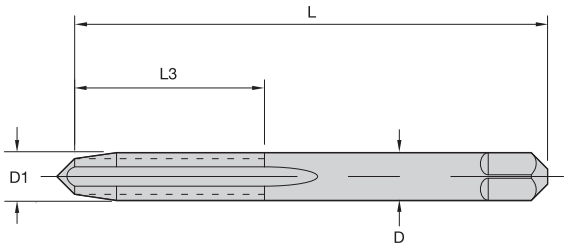



● first choice
○ alternate choice

## Series 7305 • Machine Screw • Taper, Plug, Bottoming Chamfer, and Sets

| taper chamfer 7–10 pitch | | plug chamfer 3–5 pitch | | full bottom 1–2 pitch | | taper and plug bottoming set | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | order # | catalog # | order # | catalog # | D1 size | L | L3 | D | class of fit |
| 2751095 | 11516 | 2751092 | 11517 | 2751090 | 11518 | 2751086 | 11519 | 4 - 40 | 2 | .56 | .141 | 2B |
| 2751081 | 11524 | 2751080 | 11525 | 2751079 | 11526 | 2751077 | 11527 | 5 - 40 | 2 | .63 | .141 | 2B |
| 2751075 | 11528 | 2751073 | 11529 | 2751071 | 11530 | 2751070 | 11531 | 6 - 32 | 2 | .69 | .141 | 2B |
| – | | 2751068 | 11537 | – | | – | | 6 - 40 | 2 | .69 | .141 | 2B |
| 2751066 | 11540 | 2751064 | 11541 | 2751060 | 11542 | 2751058 | 11543 | 8 - 32 | 2 | .75 | .168 | 2B |
| – | | 2751056 | 11545 | – | | – | | 8 - 36 | 2 | .75 | .168 | 2B |
| 2751055 | 11548 | 2751053 | 11549 | 2751051 | 11550 | 2751048 | 11551 | 10 - 24 | 2 | .88 | .194 | 2B |
| 2751047 | 11552 | 2751045 | 11553 | 2751043 | 11554 | 2885052 | 11555 | 10 - 32 | 2 | .88 | .194 | 2B |
| 2751041 | 11556 | 2751040 | 11557 | 2751037 | 11558 | 2751036 | 11559 | 12 - 24 | 2 | .94 | .220 | 2B |
| – | | 2751034 | 11561 | – | | – | | 12 - 28 | 2 | .94 | .220 | 2B |






● first choice
○ alternate choice

## ■ Series 7303 • Fractional • Taper, Plug, Bottoming Chamfer, and Sets

| taper chamfer 7–10 pitch | | plug chamfer 3–5 pitch | | full bottom 1–2 pitch | | taper and plug bottoming set | | inch dimensions | | | | class of fit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| order # | catalog # | order # | catalog # | order # | catalog # | order # | catalog # | D1 size | L | L3 | D | |
| 2751033 | 11584 | 2867820 | 11585 | 2751031 | 11586 | 2751030 | 11587 | 3/16 - 24 | 2 | .88 | .194 | 2B |
| 2751027 | 11596 | 2751025 | 11597 | 2751023 | 11598 | 2751020 | 11599 | 1/4 - 20 | 3 | 1.00 | .255 | 2B |
| 2751019 | 11600 | 2751015 | 11601 | 2751013 | 11602 | 2751011 | 11603 | 1/4 - 28 | 3 | 1.00 | .255 | 2B |
| 2751010 | 11604 | 2751008 | 11605 | 2751007 | 11606 | 2751004 | 11607 | 5/16 - 18 | 3 | 1.13 | .318 | 2B |
| 2751002 | 11608 | 2751001 | 11609 | 2750999 | 11610 | 2750998 | 11611 | 5/16 - 24 | 3 | 1.13 | .318 | 2B |
| 2750996 | 11612 | 2750995 | 11613 | 2750993 | 11614 | 2750991 | 11615 | 3/8 - 16 | 3 | 1.25 | .381 | 2B |
| 2750990 | 11616 | 2750988 | 11617 | 2750986 | 11618 | 2750985 | 11619 | 3/8 - 24 | 3 | 1.25 | .381 | 2B |
| 2750984 | 11620 | 2750983 | 11621 | 2750980 | 11622 | 2750975 | 11623 | 7/16 - 14 | 3 | 1.44 | .323 | 2B |
| 2750972 | 11624 | 2750969 | 11625 | 2750967 | 11626 | 2750965 | 11627 | 7/16 - 20 | 3 | 1.44 | .323 | 2B |
| 2750962 | 11628 | 2750959 | 11629 | 2750957 | 11630 | 2750953 | 11631 | 1/2 - 13 | 3 | 1.66 | .367 | 2B |
| 2750951 | 11632 | 2750948 | 11633 | 2750946 | 11634 | 2750945 | 11635 | 1/2 - 20 | 3 | 1.66 | .367 | 2B |
| 2750943 | 11636 | 2750941 | 11637 | 2750940 | 11638 | 2750939 | 11639 | 9/16 - 12 | 4 | 1.66 | .429 | 2B |
| 2750937 | 11640 | 2750935 | 11641 | 2750933 | 11642 | 2750932 | 11643 | 9/16 - 18 | 4 | 1.66 | .429 | 2B |
| 2750928 | 11644 | 2750926 | 11645 | 2750923 | 11646 | 2750920 | 11647 | 5/8 - 11 | 4 | 1.81 | .480 | 2B |
| 2750918 | 11648 | 2750917 | 11649 | 2750916 | 11650 | – | | 5/8 - 18 | 3 | 1.25 | .381 | 2B |
| – | | – | | – | | 2750915 | 11651 | 5/8 - 18 | 4 | 1.81 | .480 | 2B |
| 2750912 | 11652 | 2750910 | 11653 | 2750907 | 11654 | 2750906 | 11655 | 3/4 - 10 | 4 | 2.00 | .590 | 2B |
| 2750904 | 11656 | 2750902 | 11657 | 2750901 | 11658 | 2750900 | 11659 | 3/4 - 16 | 4 | 2.00 | .590 | 2B |
| 2750898 | 11660 | 2750896 | 11661 | 2750895 | 11662 | 2750893 | 11663 | 7/8 - 9 | 5 | 2.22 | .697 | 2B |
| 2750892 | 11664 | 2750888 | 11665 | 2750886 | 11666 | 2750885 | 11667 | 7/8 - 14 | 5 | 2.22 | .697 | 2B |
| 2750883 | 11668 | 2750882 | 11669 | 2750880 | 11670 | 2750879 | 11671 | 1 - 8 | 5 | 2.50 | .800 | 2B |
| 2750878 | 11672 | – | | 2750875 | 11674 | 2750873 | 11675 | 1 - 12 | 5 | 2.50 | .800 | 2B |
| 2750871 | 11676 | 2750868 | 11677 | 2750867 | 11678 | 2750865 | 11679 | 1 - 14 | 5 | 2.50 | .800 | 2B |
| 2750862 | 11680 | 2750857 | 11681 | 2750856 | 11682 | 2750854 | 11683 | 1 1/8 - 7 | 5 | 2.56 | .896 | 2B |
| – | | 2750852 | 11685 | 2750848 | 11686 | – | | 1 1/8 - 8 | 5 | 2.56 | .896 | 2B |
| 2750843 | 11688 | 2750841 | 11689 | 2750838 | 11690 | – | | 1 1/8 - 12 | 5 | 2.56 | .896 | 2B |
| 2750835 | 11692 | 2750834 | 11693 | 2750832 | 11694 | 2750831 | 11695 | 1 1/4 - 7 | 6 | 2.56 | 1.021 | 2B |
| 2750827 | 11696 | 2750824 | 11697 | 2750822 | 11698 | – | | 1 1/4 - 8 | 6 | 2.56 | 1.021 | 2B |
| 2750812 | 11700 | 2750809 | 11701 | 2750807 | 11702 | – | | 1 1/4 - 12 | 6 | 2.56 | 1.021 | 2B |
| 2750780 | 11716 | 2750778 | 11717 | 2750777 | 11718 | 2750776 | 11719 | 1 1/2 - 6 | 6 | 3.00 | 1.233 | 2B |
| – | | 2750770 | 11721 | 2750667 | 11722 | – | | 1 1/2 - 8 | 6 | 3.00 | 1.233 | 2B |
| 2750621 | 11724 | – | | 2750617 | 11726 | – | | 1 1/2 - 12 | 6 | 3.00 | 1.233 | 2B |