

PRICE LIST

(Effective from 26th March 2026)

HIGH PERFORMANCE TAPS (HSS-E) AND HIGH SPEED STEEL GROUND THREAD TAPS



EMKAY TOOLS LTD

Factory : B-27 & B-27/1, M.I.D.C. Industrial Area, Hingna, Nagpur.

Telephone No. : 91-9226071464

E-mail : hq@emkaytools.com

www.emkaytools.com

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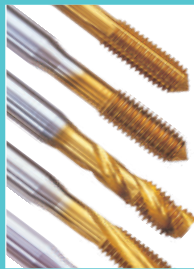
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HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS

| DIA & PITCH (mm) | BRIGHT | | | | TIN-COATED | | | | | | TiCN/TiAlN-COATED | | | | | |
|---|---------------------------|------------------------|------------------------|---------------------|---------------------------|------------------------|------------------------|---------------------|------------------------------------|------------------------------------|---------------------------|------------------------|------------------------|---------------------|------------------------------------|------------------------------------|
| | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) |
| METRIC COARSE ISO-529, IS-6175-I | | | | | | | | | | | | | | | | |
| 1.6 X 0.35 | 1602 | 1896 | 1727 | 1602 | 1757 | 2066 | 1886 | 1757 | | | 1818 | 2125 | 1945 | 1818 | | |
| 1.8 X 0.35 | 1516 | 1896 | 1590 | 1516 | 1664 | 2066 | 1742 | 1664 | | | 1724 | 2125 | 1801 | 1724 | | |
| 2 X 0.4 | 889 | 1053 | 1134 | 889 | 1008 | 1180 | 1266 | 1008 | | | 1069 | 1240 | 1324 | 1069 | | |
| 2.2 X 0.45 | 889 | 1053 | 1160 | 889 | 1008 | 1180 | 1291 | 1008 | | | 1069 | 1240 | 1350 | 1069 | | |
| 2.3 X 0.4 | 889 | 1053 | 1160 | 889 | 1008 | 1180 | 1291 | 1008 | | | 1069 | 1240 | 1350 | 1069 | | |
| 2.5 X 0.45 | 889 | 872 | 902 | 889 | 1008 | 988 | 1021 | 1008 | | | 1069 | 1048 | 1080 | 1069 | | |
| 2.6 X 0.45 | 889 | 872 | 902 | 889 | 1008 | 988 | 1021 | 1008 | | | 1069 | 1048 | 1080 | 1069 | | |
| METRIC COARSE ISO-529, IS-6175-II | | | | | | | | | | | | | | | | |
| 3 X 0.5 | 564 | 642 | 738 | 564 | 667 | 750 | 849 | 667 | 916 | 1036 | 727 | 810 | 907 | 727 | 987 | 1108 |
| 3.5 X 0.6 | 564 | 637 | 738 | 564 | 667 | 742 | 849 | 667 | 905 | 1036 | 727 | 802 | 907 | 727 | 980 | 1108 |
| 4 X 0.7 | 564 | 637 | 738 | 564 | 667 | 742 | 849 | 667 | 905 | 1036 | 727 | 802 | 907 | 727 | 980 | 1108 |
| 5 X 0.8 | 589 | 682 | 774 | 589 | 694 | 789 | 886 | 694 | 962 | 1082 | 754 | 849 | 947 | 754 | 1036 | 1153 |
| 6 X 1.0 | 589 | 693 | 774 | 589 | 694 | 802 | 886 | 694 | 978 | 1082 | 754 | 861 | 947 | 754 | 1051 | 1153 |
| 7 X 1.0 | 761 | 880 | 996 | 761 | 901 | 1027 | 1149 | 901 | 1252 | 1401 | 984 | 1108 | 1231 | 984 | 1352 | 1503 |
| 8 X 1.25 | 657 | 774 | 864 | 657 | 793 | 916 | 1010 | 793 | 1116 | 1233 | 875 | 998 | 1092 | 875 | 1215 | 1335 |
| 9 X 1.25 | 853 | 1000 | 1113 | 853 | 1028 | 1184 | 1302 | 1028 | 1444 | 1588 | 1134 | 1292 | 1410 | 1134 | 1576 | 1720 |
| 10 X 1.50 | 853 | 1000 | 1113 | 853 | 1028 | 1184 | 1302 | 1028 | 1444 | 1588 | 1134 | 1292 | 1410 | 1134 | 1576 | 1720 |
| METRIC COARSE ISO-529, IS-6175-III | | | | | | | | | | | | | | | | |
| 3 X 0.5 | 618 | 736 | 845 | 618 | 724 | 846 | 961 | 724 | | | 782 | 904 | 1021 | 782 | | |
| 3.5 X 0.6 | 641 | 781 | 864 | 641 | 748 | 895 | 982 | 748 | | | 807 | 955 | 1041 | 807 | | |
| 4 X 0.7 | 618 | 736 | 845 | 618 | 724 | 846 | 961 | 724 | 1034 | 1173 | 782 | 904 | 1021 | 782 | 1105 | 1245 |
| 5 X 0.8 | 658 | 755 | 830 | 658 | 765 | 866 | 946 | 765 | 1057 | 1152 | 824 | 926 | 1004 | 824 | 1130 | 1227 |
| 6 X 1.0 | 658 | 755 | 832 | 658 | 765 | 866 | 948 | 765 | 1057 | 1157 | 824 | 926 | 1007 | 824 | 1130 | 1230 |
| 7 X 1.0 | 837 | 1012 | 1147 | 837 | 982 | 1164 | 1307 | 982 | 1422 | 1593 | 1065 | 1246 | 1388 | 1065 | 1521 | 1693 |
| 8 X 1.25 | 782 | 914 | 982 | 782 | 924 | 1063 | 1132 | 924 | 1296 | 1383 | 1007 | 1145 | 1215 | 1007 | 1396 | 1484 |
| 9 X 1.25 | 906 | 1138 | 1331 | 906 | 1085 | 1329 | 1531 | 1085 | 1621 | 1869 | 1191 | 1436 | 1639 | 1191 | 1752 | 2000 |
| 10 X 1.50 | 906 | 1138 | 1331 | 906 | 1085 | 1329 | 1531 | 1085 | 1621 | 1869 | 1191 | 1436 | 1639 | 1191 | 1752 | 2000 |
| 11 X 1.5 | 1474 | 1848 | 2014 | 1474 | 1713 | 2104 | 2278 | 1713 | 2567 | 2780 | 1846 | 2236 | 2411 | 1846 | 2728 | 2941 |
| 12 X 1.75 | 1301 | 1565 | 1764 | 1301 | 1529 | 1807 | 2016 | 1529 | 2204 | 2460 | 1662 | 1939 | 2149 | 1662 | 2365 | 2621 |
| 14 X 2.00 | 1895 | 2273 | 2725 | 1895 | 2215 | 2610 | 3087 | 2215 | 3185 | 3766 | 2397 | 2791 | 3269 | 2397 | 3406 | 3988 |
| 16 X 2.00 | 1909 | 2336 | 2725 | 1909 | 2240 | 2689 | 3097 | 2240 | 3280 | 3779 | 2430 | 2880 | 3289 | 2430 | 3513 | 4010 |
| 18 X 2.5 | 2979 | 3822 | 4427 | 2979 | 3466 | 4351 | 4985 | 3466 | | | 3739 | 4622 | 5258 | 3739 | | |
| 20 X 2.5 | 3829 | 4868 | 5417 | 3829 | 4474 | 5564 | 6141 | 4474 | | | 4841 | 5928 | 6508 | 4841 | | |
| 22 X 2.5 | 5486 | 6046 | 6839 | 5486 | 6293 | 6878 | 7711 | 6293 | | | 6723 | 7308 | 8141 | 6723 | | |
| 24 X 3.0 | 5888 | 6704 | 8359 | 5888 | 6713 | 7570 | 9306 | 6713 | | | 7142 | 7998 | 9736 | 7142 | | |
| 25 X 3.0 | 5917 | 7323 | 9223 | 5917 | 6743 | 8221 | 10211 | 6743 | | | 7174 | 8649 | 10641 | 7174 | | |
| 27 X 3.0 | 9366 | 10713 | 11505 | 9366 | 10362 | 11777 | 12607 | 10362 | | | 10793 | 12206 | 13036 | 10793 | | |
| 30 X 3.5 | 9949 | 11432 | 13374 | 9949 | 11187 | 12742 | 14780 | 11187 | | | 11789 | 13342 | 15381 | 11789 | | |
| 33 X 3.5 | 10600 | 15623 | 17967 | 10600 | 11871 | 17140 | 19600 | 11871 | | | 12471 | 17742 | 20198 | 12471 | | |
| 36 X 4.0 | 14750 | 20649 | 23438 | 14750 | 16596 | 22784 | 25709 | 16596 | | | 17492 | 23683 | 26609 | 17492 | | |

1. SPECIAL TOLERANCE : 10% extra.

2. MACHINE TAPS : TYPE "A" - 5 Deg. Taper angle with Longer taper lead.
 TYPE "B" - 10 Deg. Taper angle with Spiral point.
 TYPE "C" - 20 Deg. Taper angle with Shorter taper lead.
 TYPE "D" - 10 Deg. Taper angle without Spiral point.



HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS

| DIA & PITCH (mm) | BRIGHT | | | | TiN-COATED | | | | | | TiCN/TiAlN-COATED | | | | | |
|---|---------------------------------|------------------------------|------------------------------|---------------------------|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|
| | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) |
| METRIC COARSE ISO-2283, IS-6175-IV (IS-7821) | | | | | | | | | | | | | | | | |
| 4 X 0.7 | 1235 | 1363 | 1521 | 1235 | 1372 | 1506 | 1673 | 1372 | 1838 | 2040 | 1436 | 1568 | 1735 | 1436 | 1914 | 2117 |
| 5 X 0.8 | 814 | 923 | 1093 | 814 | 932 | 1045 | 1225 | 932 | 1276 | 1492 | 993 | 1107 | 1286 | 993 | 1352 | 1569 |
| 6 X 1.0 | 891 | 1161 | 1191 | 891 | 1012 | 1292 | 1327 | 1012 | 1580 | 1618 | 1074 | 1357 | 1390 | 1074 | 1654 | 1692 |
| 7 X 1.0 | 1078 | 1262 | 1564 | 1078 | 1236 | 1431 | 1747 | 1236 | 1745 | 2132 | 1323 | 1516 | 1835 | 1323 | 1848 | 2238 |
| 8 X 1.25 | 1025 | 1210 | 1296 | 1025 | 1183 | 1375 | 1466 | 1183 | 1679 | 1789 | 1268 | 1462 | 1551 | 1268 | 1783 | 1893 |
| 9 X 1.25 | 1304 | 1542 | 1649 | 1304 | 1506 | 1757 | 1867 | 1506 | 2144 | 2278 | 1618 | 1867 | 1980 | 1618 | 2278 | 2414 |
| 10 X 1.50 | 1304 | 1542 | 1649 | 1304 | 1506 | 1757 | 1867 | 1506 | 2144 | 2278 | 1618 | 1867 | 1980 | 1618 | 2278 | 2414 |
| 12 X 1.75 | 1752 | 2155 | 2432 | 1752 | 2009 | 2432 | 2723 | 2009 | 2966 | 3321 | 2146 | 2568 | 2858 | 2146 | 3133 | 3488 |
| 14 X 2.00 | 2809 | 3243 | 3711 | 2809 | 3182 | 3638 | 4126 | 3182 | 4436 | 5034 | 3369 | 3824 | 4315 | 3369 | 4664 | 5264 |
| 16 X 2.00 | 2774 | 3243 | 3711 | 2774 | 3156 | 3648 | 4138 | 3156 | 4451 | 5050 | 3353 | 3845 | 4334 | 3353 | 4691 | 5288 |
| 18 X 2.5 | 4400 | 5015 | 6843 | 4400 | 4928 | 5567 | 7466 | 4928 | | | 5213 | 5852 | 7751 | 5213 | | |
| 20 X 2.5 | 5996 | 6541 | 8217 | 5996 | 6707 | 7275 | 9016 | 6707 | | | 7089 | 7658 | 9398 | 7089 | | |
| 22 X 2.5 | 7012 | 7725 | 8721 | 7012 | 7845 | 8587 | 9622 | 7845 | | | 8295 | 9037 | 10071 | 8295 | | |
| 24 X 3.0 | 7524 | 8829 | 10944 | 7524 | 8378 | 9736 | 11935 | 8378 | | | 8827 | 10186 | 12382 | 8827 | | |
| 25 X 3.0 | 8344 | 9900 | 12803 | 8344 | 9229 | 10848 | 13864 | 9229 | | | 9678 | 11296 | 14315 | 9678 | | |
| 27 X 3.0 | 11968 | 13690 | 15545 | 11968 | 12995 | 14786 | 16714 | 12995 | | | 13446 | 15233 | 17161 | 13446 | | |
| 30 X 3.5 | 13266 | 14607 | 18129 | 13266 | 14569 | 15961 | 19621 | 14569 | | | 15195 | 16591 | 20250 | 15195 | | |
| 33 X 3.5 | 13344 | 24280 | 29496 | 13344 | 14650 | 26010 | 31430 | 14650 | | | 15274 | 26637 | 32059 | 15274 | | |
| 36 X 4.0 | 18889 | 24412 | 30481 | 18889 | 20800 | 26537 | 32845 | 20800 | | | 21740 | 27477 | 33782 | 21740 | | |
| METRIC COARSE DIN-371 | | | | | | | | | | | | | | | | |
| 1.6 X 0.35 | 1833 | 2170 | 1917 | 1833 | 2001 | 2355 | 2090 | 2001 | | | 2070 | 2421 | 2157 | 2070 | | |
| 1.8 X 0.35 | 1734 | 2170 | 1858 | 1734 | 1898 | 2355 | 2029 | 1898 | | | 1964 | 2421 | 2093 | 1964 | | |
| 2 X 0.4 | 1018 | 1205 | 1326 | 1018 | 1149 | 1344 | 1472 | 1149 | | | 1215 | 1409 | 1539 | 1215 | | |
| 2.2 X 0.45 | 1018 | 1205 | 1355 | 1018 | 1149 | 1344 | 1502 | 1149 | | | 1215 | 1409 | 1567 | 1215 | | |
| 2.3 X 0.4 | 1018 | 1205 | 1355 | 1018 | 1149 | 1344 | 1502 | 1149 | | | 1215 | 1409 | 1567 | 1215 | | |
| 2.5 X 0.45 | 1018 | 997 | 1128 | 1018 | 1149 | 1126 | 1264 | 1149 | | | 1215 | 1193 | 1332 | 1215 | | |
| 2.6 X 0.45 | 1018 | 997 | 1055 | 1018 | 1149 | 1126 | 1187 | 1149 | | | 1215 | 1193 | 1252 | 1215 | | |
| 3 X 0.5 | 646 | 736 | 843 | 646 | 759 | 853 | 967 | 759 | 1040 | 1179 | 824 | 918 | 1032 | 824 | 1122 | 1261 |
| 3.5 X 0.6 | 646 | 730 | 843 | 646 | 759 | 847 | 967 | 759 | 1032 | 1179 | 824 | 912 | 1032 | 824 | 1112 | 1261 |
| 4 X 0.7 | 646 | 730 | 843 | 646 | 759 | 847 | 967 | 759 | 1032 | 1179 | 824 | 912 | 1032 | 824 | 1112 | 1261 |
| 5 X 0.8 | 675 | 780 | 883 | 675 | 790 | 899 | 1009 | 790 | 1094 | 1230 | 856 | 965 | 1074 | 856 | 1176 | 1312 |
| 6 X 1.0 | 675 | 793 | 883 | 675 | 790 | 913 | 1009 | 790 | 1114 | 1230 | 856 | 978 | 1074 | 856 | 1195 | 1312 |
| 7 X 1.0 | 895 | 1036 | 1172 | 895 | 1035 | 1180 | 1320 | 1035 | 1439 | 1609 | 1127 | 1271 | 1411 | 1127 | 1551 | 1723 |
| 8 X 1.25 | 773 | 910 | 1018 | 773 | 909 | 1049 | 1161 | 909 | 1280 | 1418 | 1002 | 1142 | 1253 | 1002 | 1392 | 1529 |
| 9 X 1.25 | 969 | 1165 | 1298 | 969 | 1145 | 1346 | 1482 | 1145 | 1643 | 1805 | 1263 | 1465 | 1598 | 1263 | 1785 | 1951 |
| 10 X 1.50 | 969 | 1165 | 1298 | 969 | 1145 | 1346 | 1482 | 1145 | 1643 | 1805 | 1263 | 1465 | 1598 | 1263 | 1785 | 1951 |

- SPECIAL TOLERANCE** : 10% extra.
- MACHINE TAPS** : TYPE "A" - 5 Deg. Taper angle with Longer taper lead.
TYPE "B" - 10 Deg. Taper angle with Spiral point.
TYPE "C" - 20 Deg. Taper angle with Shorter taper lead.
TYPE "D" - 10 Deg. Taper angle without Spiral point.

VX (Series)



HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS

| DIA & PITCH (mm) | BRIGHT | | | | TiN-COATED | | | | | | TiCN/TiAlN-COATED | | | | | |
|--|---------------------------------|------------------------------|------------------------------|---------------------------|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|
| | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) |
| METRIC COARSE DIN-376 | | | | | | | | | | | | | | | | |
| 4 X 0.7 | 769 | 914 | 1053 | 769 | 887 | 1040 | 1185 | 887 | 1268 | 1404 | 954 | 1107 | 1250 | 954 | 1350 | 1524 |
| 5 X 0.8 | 817 | 937 | 1032 | 817 | 939 | 1065 | 1164 | 939 | 1300 | 1420 | 1006 | 1132 | 1230 | 1006 | 1381 | 1501 |
| 6 X 1.0 | 817 | 937 | 1034 | 817 | 939 | 1065 | 1166 | 939 | 1300 | 1424 | 1006 | 1132 | 1232 | 1006 | 1381 | 1504 |
| 7 X 1.0 | 1071 | 1295 | 1465 | 1071 | 1217 | 1446 | 1622 | 1217 | 1764 | 1980 | 1308 | 1538 | 1715 | 1308 | 1877 | 2093 |
| 8 X 1.25 | 1071 | 1169 | 1256 | 1071 | 1217 | 1318 | 1407 | 1217 | 1607 | 1716 | 1308 | 1409 | 1499 | 1308 | 1720 | 1827 |
| 9 X 1.25 | 1148 | 1442 | 1687 | 1148 | 1331 | 1630 | 1884 | 1331 | 1988 | 2297 | 1449 | 1749 | 2001 | 1449 | 2132 | 2442 |
| 10 X 1.50 | 1148 | 1442 | 1687 | 1148 | 1331 | 1630 | 1884 | 1331 | 1988 | 2297 | 1449 | 1749 | 2001 | 1449 | 2132 | 2442 |
| 12 X 1.75 | 1723 | 2017 | 2275 | 1723 | 1939 | 2239 | 2501 | 1939 | 2732 | 3052 | 2088 | 2386 | 2650 | 2088 | 2912 | 3232 |
| 14 X 2.00 | 2422 | 2905 | 3487 | 2422 | 2717 | 3208 | 3800 | 2717 | 3914 | 4636 | 2918 | 3408 | 4002 | 2918 | 4160 | 4881 |
| 16 X 2.00 | 2439 | 2988 | 3487 | 2439 | 2746 | 3305 | 3810 | 2746 | 4032 | 4651 | 2958 | 3513 | 4021 | 2958 | 4288 | 4908 |
| 18 X 2.5 | 3875 | 4970 | 5757 | 3875 | 4290 | 5394 | 6189 | 4290 | | | 4593 | 5698 | 6492 | 4593 | | |
| 20 X 2.5 | 5283 | 6328 | 7044 | 5283 | 5841 | 6895 | 7618 | 5841 | | | 6251 | 7304 | 8027 | 6251 | | |
| 22 X 2.5 | 7135 | 7863 | 8893 | 7135 | 7798 | 8528 | 9573 | 7798 | | | 8278 | 9008 | 10050 | 8278 | | |
| 24 X 3.0 | 7657 | 8718 | 10872 | 7657 | 8324 | 9393 | 11567 | 8324 | | | 8802 | 9873 | 12046 | 8802 | | |
| 27 X 3.0 | 12179 | 13932 | 14963 | 12179 | 12886 | 14653 | 15694 | 12886 | | | 13365 | 15135 | 16174 | 13365 | | |
| 30 X 3.5 | 12939 | 14867 | 17392 | 12939 | 13891 | 15836 | 18383 | 13891 | | | 14559 | 16504 | 19053 | 14559 | | |
| 33 X 3.5 | 13786 | 20316 | 23365 | 13786 | 14743 | 21334 | 24408 | 14743 | | | 15415 | 22003 | 25079 | 15415 | | |
| 36 X 4.0 | 19179 | 26854 | 30481 | 19179 | 20601 | 28343 | 32000 | 20601 | | | 21604 | 29345 | 33004 | 21604 | | |
| METRIC FINE DIN-371 | | | | | | | | | | | | | | | | |
| 3 X 0.35 | 899 | 1110 | 1250 | 899 | 1027 | 1245 | 1393 | 1027 | | | 1095 | 1314 | 1462 | 1095 | | |
| 4 X 0.5 | 899 | 1110 | 1134 | 899 | 1027 | 1245 | 1273 | 1027 | 1520 | 1556 | 1095 | 1314 | 1344 | 1095 | 1605 | 1639 |
| 4 X .75 | 994 | 1299 | 1520 | 994 | 1127 | 1446 | 1679 | 1127 | 1764 | 2048 | 1195 | 1515 | 1746 | 1195 | 1847 | 2131 |
| 5 X .5/.75 | 1015 | 1232 | 1445 | 1015 | 1148 | 1376 | 1599 | 1148 | 1679 | 1952 | 1214 | 1445 | 1669 | 1214 | 1763 | 2035 |
| 6 X .5 | 992 | 1257 | 1449 | 992 | 1124 | 1402 | 1600 | 1124 | 1708 | 1952 | 1194 | 1469 | 1669 | 1194 | 1794 | 2035 |
| 6 X .75 | 992 | 1257 | 1449 | 992 | 1124 | 1402 | 1600 | 1124 | 1708 | 1952 | 1194 | 1469 | 1669 | 1194 | 1794 | 2035 |
| 7 X .75 | 1084 | 1454 | 1549 | 1084 | 1221 | 1599 | 1695 | 1221 | 1951 | 2065 | 1314 | 1695 | 1788 | 1314 | 2065 | 2181 |
| 8 X .5/.75 | 1107 | 1527 | 1654 | 1107 | 1244 | 1671 | 1802 | 1244 | 2037 | 2199 | 1340 | 1765 | 1898 | 1340 | 2153 | 2315 |
| 8 X 1.0 | 969 | 1104 | 1289 | 969 | 1104 | 1242 | 1430 | 1104 | 1516 | 1744 | 1198 | 1336 | 1524 | 1198 | 1630 | 1859 |
| 9 X 1.0 | 1214 | 1547 | 1640 | 1214 | 1388 | 1725 | 1819 | 1388 | 2104 | 2221 | 1509 | 1847 | 1941 | 1509 | 2255 | 2370 |
| 10 X 1.0 | 1185 | 1429 | 1635 | 1185 | 1359 | 1605 | 1816 | 1359 | 1958 | 2218 | 1480 | 1727 | 1936 | 1480 | 2107 | 2363 |
| 10 X 1.25 | 1129 | 1350 | 1570 | 1129 | 1300 | 1527 | 1748 | 1300 | 1863 | 2135 | 1420 | 1648 | 1869 | 1420 | 2009 | 2280 |
| METRIC FINE ISO-529, IS-6175-II | | | | | | | | | | | | | | | | |
| 3 X 0.35 | 787 | 970 | 1093 | 787 | 900 | 1091 | 1220 | 900 | | | 960 | 1151 | 1281 | 960 | | |
| 4 X 0.5 | 787 | 970 | 992 | 787 | 900 | 1091 | 1117 | 900 | 1332 | 1363 | 960 | 1151 | 1178 | 960 | 1405 | 1435 |
| 4 X .75 | 870 | 1135 | 1329 | 870 | 987 | 1267 | 1470 | 987 | 1545 | 1795 | 1047 | 1326 | 1529 | 1047 | 1619 | 1866 |
| 5 X .5/.75 | 887 | 1077 | 1265 | 887 | 1005 | 1205 | 1401 | 1005 | 1470 | 1710 | 1065 | 1266 | 1462 | 1065 | 1544 | 1781 |
| 6 X .5 | 867 | 1099 | 1266 | 867 | 985 | 1229 | 1402 | 985 | 1497 | 1710 | 1045 | 1287 | 1462 | 1045 | 1571 | 1782 |
| 6 X .75 | 867 | 1099 | 1266 | 867 | 985 | 1229 | 1402 | 985 | 1497 | 1710 | 1045 | 1287 | 1462 | 1045 | 1571 | 1782 |
| 7 X .75 | 920 | 1236 | 1317 | 920 | 1069 | 1401 | 1484 | 1069 | 1709 | 1809 | 1151 | 1484 | 1567 | 1151 | 1809 | 1911 |
| 8 X .5/.75 | 940 | 1297 | 1407 | 940 | 1090 | 1464 | 1579 | 1090 | 1785 | 1927 | 1173 | 1547 | 1662 | 1173 | 1886 | 2028 |
| 8 X 1.0 | 824 | 938 | 1096 | 824 | 967 | 1088 | 1253 | 967 | 1327 | 1528 | 1049 | 1170 | 1336 | 1049 | 1428 | 1629 |
| 9 X 1.0 | 1043 | 1327 | 1407 | 1043 | 1227 | 1526 | 1609 | 1227 | 1862 | 1965 | 1335 | 1634 | 1717 | 1335 | 1995 | 2096 |
| 10 X 1.0 | 1017 | 1225 | 1403 | 1017 | 1202 | 1419 | 1606 | 1202 | 1732 | 1961 | 1309 | 1527 | 1714 | 1309 | 1863 | 2091 |
| 10 X 1.25 | 969 | 1159 | 1347 | 969 | 1149 | 1350 | 1547 | 1149 | 1647 | 1888 | 1256 | 1457 | 1653 | 1256 | 1778 | 2017 |



HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS

| DIA & PITCH (mm) | BRIGHT | | | | TiN-COATED | | | | | | TiCN/TiAlN-COATED | | | | | |
|---|---------------------------------|------------------------------|------------------------------|---------------------------|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|
| | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) |
| METRIC FINE ISO-529, IS-6175-III | | | | | | | | | | | | | | | | |
| 3 X 0.35 | 938 | 1114 | 1322 | 938 | 1059 | 1244 | 1462 | 1059 | | | 1119 | 1305 | 1520 | 1119 | | |
| 4 X 0.5 | 1001 | 1306 | 1761 | 1001 | 1125 | 1447 | 1922 | 1125 | | | 1186 | 1506 | 1982 | 1186 | | |
| 4 X .75 | 829 | 1114 | 1321 | 829 | 944 | 1244 | 1460 | 944 | | | 1003 | 1305 | 1518 | 1003 | | |
| 5 X .5/.75 | 953 | 1158 | 1358 | 953 | 1075 | 1290 | 1499 | 1075 | 1574 | 1830 | 1132 | 1349 | 1560 | 1132 | 1648 | 1903 |
| 6 X .5 | 997 | 1265 | 1454 | 997 | 1122 | 1401 | 1599 | 1122 | 1709 | 1954 | 1183 | 1460 | 1659 | 1183 | 1781 | 2026 |
| 6 X .75 | 997 | 1265 | 1517 | 997 | 1122 | 1401 | 1666 | 1122 | 1709 | 2033 | 1183 | 1460 | 1725 | 1183 | 1781 | 2106 |
| 7 X .75 | 1063 | 1423 | 1503 | 1063 | 1218 | 1595 | 1680 | 1218 | 1946 | 2050 | 1301 | 1678 | 1763 | 1301 | 2048 | 2151 |
| 8 X .5/.75 | 1128 | 1492 | 1619 | 1128 | 1286 | 1669 | 1801 | 1286 | 2037 | 2198 | 1368 | 1751 | 1884 | 1368 | 2136 | 2298 |
| 8 X 1.0 | 920 | 1137 | 1297 | 920 | 1069 | 1297 | 1464 | 1069 | 1584 | 1785 | 1151 | 1381 | 1547 | 1151 | 1684 | 1886 |
| 9 X 1.0 | 1125 | 1418 | 1614 | 1125 | 1313 | 1622 | 1830 | 1313 | 1979 | 2230 | 1419 | 1729 | 1934 | 1419 | 2109 | 2361 |
| 10 X 1.0 | 1125 | 1418 | 1614 | 1125 | 1313 | 1622 | 1830 | 1313 | 1979 | 2230 | 1419 | 1729 | 1934 | 1419 | 2109 | 2361 |
| 10 X 1.25 | 1041 | 1331 | 1547 | 1041 | 1226 | 1531 | 1756 | 1226 | 1869 | 2144 | 1333 | 1639 | 1863 | 1333 | 2000 | 2273 |
| 11 X 1.0 | 1736 | 2206 | 2537 | 1736 | 1988 | 2481 | 2829 | 1988 | 3026 | 3451 | 2121 | 2613 | 2959 | 2121 | 3187 | 3612 |
| 12 X 1.50 | 1536 | 1779 | 2101 | 1536 | 1778 | 2033 | 2370 | 1778 | 2479 | 2892 | 1912 | 2163 | 2502 | 1912 | 2641 | 3053 |
| 12 X 1.0/1.25 | 1536 | 1779 | 2180 | 1536 | 1778 | 2033 | 2455 | 1778 | 2479 | 2995 | 1912 | 2163 | 2588 | 1912 | 2641 | 3156 |
| 14 X 1.0 | 2095 | 2513 | 3054 | 2095 | 2424 | 2861 | 3431 | 2424 | 3491 | 4186 | 2606 | 3045 | 3613 | 2606 | 3713 | 4406 |
| 14 X 1.25 | 2136 | 2377 | 2792 | 2136 | 2469 | 2721 | 3156 | 2469 | 3319 | 3849 | 2649 | 2900 | 3336 | 2649 | 3538 | 4071 |
| 14 X 1.50 | 1921 | 2336 | 2758 | 1921 | 2242 | 2678 | 3121 | 2242 | 3269 | 3808 | 2424 | 2859 | 3302 | 2424 | 3488 | 4028 |
| 16 X 1.0 | 2149 | 2560 | 3107 | 2149 | 2492 | 2921 | 3497 | 2492 | 3566 | 4267 | 2681 | 3111 | 3686 | 2681 | 3796 | 4496 |
| 16 X 1.50 | 1921 | 2336 | 2758 | 1921 | 2254 | 2689 | 3132 | 2254 | 3280 | 3821 | 2444 | 2880 | 3322 | 2444 | 3513 | 4053 |
| 18 X 1.0/2.0 | 3627 | 5238 | 5532 | 3627 | 4146 | 5836 | 6146 | 4146 | | | 4417 | 6109 | 6419 | 4417 | | |
| 18 X 1.5 | 3761 | 4326 | 4941 | 3761 | 4286 | 4880 | 5523 | 4286 | | | 4560 | 5151 | 5796 | 4560 | | |
| 20 X 1.0/2.0 | 4568 | 6470 | 7872 | 4568 | 5251 | 7247 | 8716 | 5251 | | | 5618 | 7612 | 9083 | 5618 | | |
| 20 X 1.5 | 4832 | 5907 | 6390 | 4832 | 5528 | 6654 | 7162 | 5528 | | | 5893 | 7021 | 7527 | 5893 | | |
| 22 X 1.0/2.0 | 5523 | 7382 | 8617 | 5523 | 6329 | 8281 | 9579 | 6329 | | | 6760 | 8712 | 10008 | 6760 | | |
| 22 X 1.5 | 5115 | 6704 | 8213 | 5115 | 5904 | 7570 | 9152 | 5904 | | | 6332 | 7998 | 9583 | 6332 | | |
| 24 X 1.0/2.0 | 5685 | 7313 | 9475 | 5685 | 6501 | 8208 | 10475 | 6501 | | | 6932 | 8638 | 10905 | 6932 | | |
| 24 X 1.5 | 5685 | 7313 | 8733 | 5685 | 6501 | 8208 | 9698 | 6501 | | | 6932 | 8638 | 10128 | 6932 | | |
| 25 X 1.0/2.0 | 6139 | 8900 | 10991 | 6139 | 6976 | 9875 | 12067 | 6976 | | | 7407 | 10305 | 12495 | 7407 | | |
| 25 X 1.5 | 6034 | 8900 | 10991 | 6034 | 6867 | 9875 | 12067 | 6867 | | | 7297 | 10305 | 12495 | 7297 | | |
| 26 X 1.0 | 7815 | 9930 | 12915 | 7815 | 8735 | 10954 | 14087 | 8735 | | | 9165 | 11382 | 14515 | 9165 | | |
| 27 X 1.0/2.0 | 8627 | 10549 | 13420 | 8627 | 9587 | 11603 | 14617 | 9587 | | | 10016 | 12033 | 15046 | 10016 | | |
| 27 X 1.5 | 8517 | 10549 | 13283 | 8517 | 9471 | 11603 | 14471 | 9471 | | | 9901 | 12033 | 14901 | 9901 | | |
| 30 X 1.0/2.0 | 9427 | 13675 | 14701 | 9427 | 10639 | 15098 | 16173 | 10639 | | | 11240 | 15697 | 16774 | 11240 | | |
| 30 X 1.5 | 9427 | 12034 | 14701 | 9427 | 10639 | 13376 | 16173 | 10639 | | | 11240 | 13977 | 16774 | 11240 | | |
| 33 X 1.0/2.0 | 12711 | 14618 | 17195 | 12711 | 14084 | 16084 | 18789 | 14084 | | | 14684 | 16685 | 19391 | 14684 | | |
| 33 X 1.5 | 12687 | 14589 | 17950 | 12687 | 14059 | 16056 | 19581 | 14059 | | | 14658 | 16653 | 20182 | 14658 | | |
| 36 X 1.5 | 16372 | 17901 | 24899 | 16372 | 18297 | 19902 | 27244 | 18297 | | | 19195 | 20800 | 28142 | 19195 | | |
| 36 X 1.0/2.0 | 16372 | 17901 | 24899 | 16372 | 18297 | 19902 | 27244 | 18297 | | | 19195 | 20800 | 28142 | 19195 | | |

VX (Series)
NEW

HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS

| DIA & PITCH (mm) | BRIGHT | | | | TiN-COATED | | | | | | TiCN/TiAlN-COATED | | | | | |
|---|---------------------------------|------------------------------|------------------------------|---------------------------|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|
| | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) |
| METRIC FINE ISO-2283, IS-6175-IV (IS-7821) | | | | | | | | | | | | | | | | |
| 4 X .75 | 1683 | 1880 | 2456 | 1683 | 1842 | 2048 | 2652 | 1842 | 2499 | 3237 | 1904 | 2110 | 2716 | 1904 | 2573 | 3313 |
| 5 X .5/.75 | 1224 | 1491 | 1786 | 1224 | 1361 | 1639 | 1952 | 1361 | 2000 | 2382 | 1422 | 1701 | 2013 | 1422 | 2076 | 2456 |
| 6 X .5 | 1283 | 1624 | 1948 | 1283 | 1424 | 1781 | 2120 | 1424 | 2171 | 2587 | 1485 | 1841 | 2183 | 1485 | 2247 | 2663 |
| 6 X .75 | 1283 | 1624 | 2113 | 1283 | 1424 | 1781 | 2293 | 1424 | 2171 | 2798 | 1485 | 1841 | 2355 | 1485 | 2247 | 2875 |
| 7 X .75 | 1368 | 1827 | 1921 | 1368 | 1542 | 2023 | 2121 | 1542 | 2467 | 2589 | 1627 | 2108 | 2208 | 1627 | 2570 | 2692 |
| 8 X .5/.75 | 1378 | 1916 | 2242 | 1378 | 1552 | 2117 | 2457 | 1552 | 2584 | 2998 | 1637 | 2202 | 2544 | 1637 | 2687 | 3104 |
| 8 X 1.0 | 1188 | 1583 | 1767 | 1188 | 1352 | 1767 | 1959 | 1352 | 2157 | 2392 | 1437 | 1852 | 2046 | 1437 | 2262 | 2495 |
| 9 X 1.0 | 1606 | 1783 | 2201 | 1606 | 1822 | 2007 | 2447 | 1822 | 2449 | 2985 | 1932 | 2119 | 2557 | 1932 | 2585 | 3121 |
| 10 X 1.0 | 1606 | 1783 | 2201 | 1606 | 1822 | 2007 | 2447 | 1822 | 2449 | 2985 | 1932 | 2119 | 2557 | 1932 | 2585 | 3121 |
| 10 X 1.25 | 1453 | 1646 | 2100 | 1453 | 1662 | 1865 | 2340 | 1662 | 2275 | 2855 | 1772 | 1975 | 2453 | 1772 | 2411 | 2990 |
| 11 X 1.0 | 2181 | 2565 | 3243 | 2181 | 2458 | 2860 | 3573 | 2458 | 3490 | 4359 | 2596 | 2998 | 3711 | 2596 | 3657 | 4527 |
| 12 X 1.50 | 2086 | 2453 | 2800 | 2086 | 2360 | 2744 | 3107 | 2360 | 3348 | 3792 | 2498 | 2882 | 3245 | 2498 | 3515 | 3958 |
| 12 X 1.0/1.25 | 2124 | 2619 | 2828 | 2124 | 2399 | 2918 | 3137 | 2399 | 3559 | 3827 | 2536 | 3053 | 3274 | 2536 | 3726 | 3995 |
| 14 X 1.0 | 2801 | 3333 | 3884 | 2801 | 3170 | 3731 | 4308 | 3170 | 4549 | 5256 | 3358 | 3917 | 4495 | 3358 | 4778 | 5485 |
| 14 X 1.25 | 2848 | 3362 | 3884 | 2848 | 3220 | 3761 | 4308 | 3220 | 4585 | 5256 | 3407 | 3948 | 4495 | 3407 | 4814 | 5485 |
| 14 X 1.50 | 2792 | 3160 | 3518 | 2792 | 3162 | 3549 | 3922 | 3162 | 4329 | 4787 | 3351 | 3736 | 4112 | 3351 | 4560 | 5016 |
| 16 X 1.0 | 3252 | 3739 | 4302 | 3252 | 3655 | 4166 | 4758 | 3655 | 5083 | 5804 | 3852 | 4361 | 4953 | 3852 | 5321 | 6045 |
| 16 X 1.50 | 2724 | 3301 | 3917 | 2724 | 3102 | 3706 | 4355 | 3102 | 4523 | 5312 | 3298 | 3903 | 4552 | 3298 | 4763 | 5553 |
| 18 X 1.0/2.0 | 4881 | 6694 | 7206 | 4881 | 5428 | 7311 | 7843 | 5428 | | | 5714 | 7597 | 8129 | 5714 | | |
| 18 X 1.5 | 4932 | 6067 | 6713 | 4932 | 5481 | 6661 | 7332 | 5481 | | | 5765 | 6946 | 7619 | 5765 | | |
| 20 X 1.0/2.0 | 6863 | 8695 | 9790 | 6863 | 7608 | 9513 | 10651 | 7608 | | | 7991 | 9896 | 11033 | 7991 | | |
| 20 X 1.5 | 6863 | 8695 | 9736 | 6863 | 7608 | 9513 | 10592 | 7608 | | | 7991 | 9896 | 10973 | 7991 | | |
| 22 X 1.0/2.0 | 7018 | 9434 | 10643 | 7018 | 7855 | 10362 | 11622 | 7855 | | | 8304 | 10812 | 12068 | 8304 | | |
| 22 X 1.5 | 7018 | 8791 | 12120 | 7018 | 7855 | 9695 | 13154 | 7855 | | | 8304 | 10143 | 13603 | 8304 | | |
| 24 X 1.0/2.0 | 8022 | 10527 | 11954 | 8022 | 8896 | 11501 | 12982 | 8896 | | | 9346 | 11949 | 13431 | 9346 | | |
| 24 X 1.5 | 7581 | 10220 | 12173 | 7581 | 8439 | 11180 | 13210 | 8439 | | | 8886 | 11629 | 13660 | 8886 | | |
| 25 X 1.0/2.0 | 9156 | 11373 | 14293 | 9156 | 10075 | 12377 | 15411 | 10075 | | | 10527 | 12828 | 15861 | 10527 | | |
| 25 X 1.5 | 9202 | 11373 | 14293 | 9202 | 10121 | 12377 | 15411 | 10121 | | | 10572 | 12828 | 15861 | 10572 | | |
| 26 X 1.0 | 11207 | 12687 | 16793 | 11207 | 12206 | 13744 | 18011 | 12206 | | | 12656 | 14193 | 18461 | 12656 | | |
| 27 X 1.0/2.0 | 11791 | 13481 | 17453 | 11791 | 12812 | 14569 | 18696 | 12812 | | | 13262 | 15017 | 19145 | 13262 | | |
| 27 X 1.5 | 11805 | 13481 | 17272 | 11805 | 12828 | 14569 | 18509 | 12828 | | | 13276 | 15017 | 18958 | 13276 | | |
| 30 X 1.0/2.0 | 12737 | 17474 | 19118 | 12737 | 14020 | 18941 | 20649 | 14020 | | | 14645 | 19567 | 21275 | 14645 | | |
| 30 X 1.5 | 12785 | 15377 | 19541 | 12785 | 14068 | 16762 | 21088 | 14068 | | | 14697 | 17390 | 21714 | 14697 | | |
| 33 X 1.0/2.0 | 15468 | 18213 | 21343 | 15468 | 16854 | 19706 | 22959 | 16854 | | | 17481 | 20337 | 23588 | 17481 | | |
| 33 X 1.5 | 17032 | 19586 | 23883 | 17032 | 18478 | 21135 | 25599 | 18478 | | | 19107 | 21761 | 26226 | 19107 | | |
| 36 X 1.5 | 22513 | 25241 | 32379 | 22513 | 24565 | 27401 | 34816 | 24565 | | | 25505 | 28338 | 35756 | 25505 | | |
| 36 X 1.0/2.0 | 22513 | 25241 | 32379 | 22513 | 24565 | 27401 | 34816 | 24565 | | | 25505 | 28338 | 35756 | 25505 | | |



HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS

| DIA & PITCH (mm) | BRIGHT | | | | TiN-COATED | | | | | | TiCN/TiAlN-COATED | | | | | |
|--------------------------|---------------------------------|------------------------------|------------------------------|---------------------------|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|
| | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) | STRAIGHT FLUTES (6H TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (6H TOL.) | SPIRAL POINT VX (Series) (6H TOL.) | SPIRAL FLUTE VX (Series) (6H TOL.) |
| METRIC FINE D-374 | | | | | | | | | | | | | | | | |
| 4 X .75 | 1246 | 1626 | 2189 | 1246 | 1388 | 1785 | 2376 | 1388 | | | 1453 | 1852 | 2443 | 1453 | | |
| 5 X .5/.75 | 1184 | 1441 | 1690 | 1184 | 1322 | 1590 | 1854 | 1322 | | | 1390 | 1658 | 1919 | 1390 | | |
| 6 X .5 | 1242 | 1573 | 1808 | 1242 | 1382 | 1729 | 1976 | 1382 | 2110 | 2414 | 1448 | 1795 | 2044 | 1448 | 2192 | 2493 |
| 6 X .75 | 1242 | 1573 | 1885 | 1242 | 1382 | 1729 | 2057 | 1382 | 2110 | 2512 | 1448 | 1795 | 2125 | 1448 | 2192 | 2592 |
| 7 X .75 | 1360 | 1821 | 1923 | 1360 | 1527 | 2003 | 2112 | 1527 | 2443 | 2575 | 1620 | 2097 | 2204 | 1620 | 2557 | 2690 |
| 8 X .5/.75 | 1442 | 1909 | 2071 | 1442 | 1611 | 2097 | 2262 | 1611 | 2557 | 2763 | 1706 | 2190 | 2355 | 1706 | 2671 | 2875 |
| 8 X 1.0 | 1178 | 1455 | 1659 | 1178 | 1337 | 1627 | 1838 | 1337 | 1985 | 2241 | 1430 | 1720 | 1931 | 1430 | 2099 | 2354 |
| 9 X 1.0 | 1520 | 1932 | 2049 | 1520 | 1726 | 2152 | 2277 | 1726 | 2626 | 2778 | 1846 | 2272 | 2397 | 1846 | 2773 | 2924 |
| 10 X 1.0 | 1425 | 1797 | 2046 | 1425 | 1626 | 2014 | 2271 | 1626 | 2455 | 2770 | 1747 | 2135 | 2393 | 1747 | 2602 | 2915 |
| 10 X 1.25 | 1319 | 1687 | 1957 | 1319 | 1518 | 1901 | 2180 | 1518 | 2318 | 2660 | 1636 | 2019 | 2300 | 1636 | 2464 | 2808 |
| 11 X 1.0 | 2242 | 2848 | 3275 | 2242 | 2467 | 3083 | 3519 | 2467 | 3762 | 4293 | 2614 | 3231 | 3666 | 2614 | 3941 | 4472 |
| 12 X 1.50 | 1983 | 2296 | 2713 | 1983 | 2204 | 2521 | 2944 | 2204 | 3077 | 3593 | 2351 | 2670 | 3093 | 2351 | 3257 | 3773 |
| 12 X 1.0/1.25 | 1983 | 2296 | 2814 | 1983 | 2204 | 2521 | 3050 | 2204 | 3077 | 3722 | 2351 | 2670 | 3199 | 2351 | 3257 | 3903 |
| 14 X 1.0 | 2677 | 3211 | 3904 | 2677 | 2978 | 3521 | 4225 | 2978 | 4295 | 5154 | 3176 | 3721 | 4426 | 3176 | 4539 | 5400 |
| 14 X 1.25 | 2732 | 3039 | 3567 | 2732 | 3034 | 3343 | 3884 | 3034 | 4079 | 4738 | 3232 | 3541 | 4084 | 3232 | 4323 | 4981 |
| 14 X 1.50 | 2456 | 3039 | 3528 | 2456 | 2752 | 3343 | 3842 | 2752 | 4079 | 4686 | 2951 | 3541 | 4042 | 2951 | 4323 | 4930 |
| 16 X 1.0 | 2748 | 3270 | 3971 | 2748 | 3049 | 3582 | 4294 | 3049 | 4369 | 5240 | 3248 | 3780 | 4495 | 3248 | 4614 | 5484 |
| 16 X 1.50 | 2456 | 2988 | 3528 | 2456 | 2765 | 3305 | 3855 | 2765 | 4032 | 4702 | 2976 | 3513 | 4063 | 2976 | 4288 | 4958 |
| 18 X 1.0/2.0 | 4715 | 6813 | 7196 | 4715 | 5138 | 7252 | 7638 | 5138 | | | 5441 | 7557 | 7945 | 5441 | | |
| 18 X 1.5 | 4889 | 5624 | 6423 | 4889 | 5313 | 6054 | 6861 | 5313 | | | 5619 | 6361 | 7168 | 5619 | | |
| 20 X 1.0/2.0 | 5942 | 8413 | 10237 | 5942 | 6506 | 8999 | 10838 | 6506 | | | 6913 | 9408 | 11246 | 6913 | | |
| 20 X 1.5 | 6284 | 7680 | 8309 | 6284 | 6848 | 8260 | 8894 | 6848 | | | 7259 | 8669 | 9302 | 7259 | | |
| 22 X 1.0/2.0 | 7182 | 9600 | 11208 | 7182 | 7843 | 10283 | 11907 | 7843 | | | 8324 | 10764 | 12387 | 8324 | | |
| 22 X 1.5 | 6651 | 8952 | 10681 | 6651 | 7309 | 9629 | 11376 | 7309 | | | 7789 | 10109 | 11854 | 7789 | | |
| 24 X 1.0/2.0 | 7393 | 9510 | 12322 | 7393 | 8058 | 10194 | 13028 | 8058 | | | 8538 | 10672 | 13508 | 8538 | | |
| 24 X 1.5 | 7393 | 9510 | 11357 | 7393 | 8058 | 10194 | 12054 | 8058 | | | 8538 | 10672 | 12535 | 8538 | | |
| 25 X 1.0/2.0 | 8560 | 11576 | 14293 | 8560 | 9237 | 12279 | 15017 | 9237 | | | 9716 | 12757 | 15496 | 9716 | | |
| 25 X 1.5 | 7847 | 11576 | 14293 | 7847 | 8517 | 12279 | 15017 | 8517 | | | 8994 | 12757 | 15496 | 8994 | | |
| 26 X 1.0 | 10164 | 12912 | 16794 | 10164 | 10851 | 13625 | 17541 | 10851 | | | 11331 | 14104 | 18022 | 11331 | | |
| 27 X 1.0/2.0 | 11218 | 13718 | 17455 | 11218 | 11914 | 14439 | 18207 | 11914 | | | 12395 | 14918 | 18688 | 12395 | | |
| 27 X 1.5 | 11076 | 13718 | 17272 | 11076 | 11773 | 14439 | 18023 | 11773 | | | 12251 | 14918 | 18502 | 12251 | | |
| 30 X 1.0/2.0 | 12257 | 17785 | 19119 | 12257 | 13202 | 18780 | 20124 | 13202 | | | 13875 | 19449 | 20792 | 13875 | | |
| 30 X 1.5 | 12257 | 15650 | 19119 | 12257 | 13202 | 16624 | 20124 | 13202 | | | 13875 | 17296 | 20792 | 13875 | | |
| 33 X 1.0/2.0 | 16528 | 19010 | 22362 | 16528 | 17511 | 20012 | 23394 | 17511 | | | 18183 | 20683 | 24066 | 18183 | | |
| 33 X 1.5 | 16497 | 18973 | 23344 | 16497 | 17481 | 19977 | 24386 | 17481 | | | 18150 | 20645 | 25055 | 18150 | | |
| 36 X 1.5 | 21290 | 23279 | 32379 | 21290 | 22730 | 24737 | 33918 | 22730 | | | 23733 | 25739 | 34919 | 23733 | | |
| 36 X 1.0/2.0 | 21290 | 23279 | 32379 | 21290 | 22730 | 24737 | 33918 | 22730 | | | 23733 | 25739 | 34919 | 23733 | | |



HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS

| DIA & PITCH (mm) | BRIGHT | | | | TiN-COATED | | | | | | TiCN/TiAlN-COATED | | | | | |
|--|---------------------------------|------------------------------|------------------------------|---------------------------|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|
| | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (2B TOL.) | SPIRAL FLUTE (2B TOL.) | CAST IRON (2B TOL.) | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (2B TOL.) | SPIRAL FLUTE (2B TOL.) | CAST IRON (2B TOL.) | SPIRAL POINT VX (Series) (2B TOL.) | SPIRAL FLUTE VX (Series) (2B TOL.) | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (2B TOL.) | SPIRAL FLUTE (2B TOL.) | CAST IRON (2B TOL.) | SPIRAL POINT VX (Series) (2B TOL.) | SPIRAL FLUTE VX (Series) (2B TOL.) |
| IS-6175-I,II,III, BS-949 & ISO 529 UNIFIED COARSE (UNC) | | | | | | | | | | | | | | | | |
| No. 2 - 56 | 806 | 987 | 1134 | 806 | 921 | 1110 | 1266 | 921 | | | 980 | 1169 | 1324 | 980 | | |
| No. 4 - 40 | 677 | 860 | 989 | 677 | 783 | 977 | 1112 | 783 | 1191 | 1356 | 843 | 1037 | 1172 | 843 | 1265 | 1430 |
| No. 6 - 32 | 584 | 736 | 807 | 584 | 689 | 846 | 922 | 689 | 1034 | 1125 | 747 | 905 | 981 | 747 | 1105 | 1199 |
| No. 8 - 32 | 586 | 713 | 807 | 586 | 691 | 822 | 922 | 691 | 1004 | 1125 | 750 | 881 | 981 | 750 | 1077 | 1199 |
| No. 10 - 24 | 584 | 721 | 807 | 584 | 689 | 833 | 922 | 689 | 1014 | 1125 | 747 | 892 | 981 | 747 | 1088 | 1199 |
| 1/4" - 20 | 607 | 728 | 837 | 607 | 712 | 840 | 955 | 712 | 1024 | 1163 | 771 | 899 | 1014 | 771 | 1097 | 1238 |
| 5/16" - 18 | 668 | 834 | 924 | 668 | 805 | 978 | 1074 | 805 | 1194 | 1309 | 887 | 1062 | 1156 | 887 | 1295 | 1410 |
| 3/8" - 16 | 842 | 1015 | 1156 | 842 | 1017 | 1201 | 1348 | 1017 | 1463 | 1645 | 1125 | 1308 | 1455 | 1125 | 1596 | 1776 |
| 7/16" - 14 | 1130 | 1311 | 1491 | 1130 | 1352 | 1542 | 1730 | 1352 | 1881 | 2110 | 1485 | 1674 | 1862 | 1485 | 2042 | 2272 |
| 1/2" - 13 | 1370 | 1615 | 1890 | 1370 | 1603 | 1861 | 2149 | 1603 | 2271 | 2621 | 1734 | 1995 | 2279 | 1734 | 2433 | 2783 |
| 5/8" - 11 | 1974 | 2443 | 3000 | 1974 | 2308 | 2802 | 3385 | 2308 | 3446 | 4164 | 2797 | 3170 | 3787 | 2797 | 3900 | 4658 |
| 3/4" - 10 | 3135 | 3774 | 3968 | 3135 | 3737 | 4406 | 5179 | 3737 | | | 4094 | 4762 | 5583 | 4094 | | |
| 7/8" - 9 | 4289 | 5622 | 6901 | 4289 | 5036 | 6436 | 7779 | 5036 | | | 5466 | 6864 | 8208 | 5466 | | |
| 1" - 8 | 5959 | 7450 | 8663 | 5959 | 6788 | 8352 | 9625 | 6788 | | | 7218 | 8782 | 10055 | 7218 | | |
| 1.1/8" - 7 | 9949 | 11199 | 14556 | 9949 | 11559 | 13177 | 16800 | 11559 | | | 12458 | 14606 | 18329 | 12458 | | |
| 1.1/4" - 7 | 9516 | 13633 | 17720 | 9516 | 11683 | 16342 | 20774 | 11683 | | | 13383 | 18382 | 22958 | 13383 | | |
| 1.3/8" - 6 | 12273 | 18966 | 24661 | 12273 | 15233 | 22727 | 28897 | 15233 | | | 17592 | 25559 | 31925 | 17592 | | |
| 1.1/2" - 6 | 14740 | 22269 | 28954 | 14740 | 18830 | 27404 | 34695 | 18830 | | | 22197 | 31442 | 39017 | 22197 | | |
| 1.5/8" - | 17293 | 25961 | 33745 | 17293 | 22393 | 32333 | 40862 | 22393 | | | 26643 | 37435 | 46318 | 26643 | | |
| 1.3/4" - 5 | 20869 | 34963 | 45454 | 20869 | 26145 | 41781 | 53143 | 26145 | | | 30395 | 46881 | 58600 | 30395 | | |
| 2" - 4.5 | 28996 | | | 28996 | 34782 | | | 34782 | | | 39147 | | | 39147 | | |
| ISO 2283 IS-6175-IV (IS-7821) UNIFIED COARSE (UNC) | | | | | | | | | | | | | | | | |
| No. 10 - 24 | 975 | 1225 | 1461 | 975 | 1101 | 1362 | 1609 | 1101 | 1661 | 1964 | 1163 | 1424 | 1672 | 1163 | 1737 | 2038 |
| 1/4" - 20 | 1052 | 1282 | 1394 | 1052 | 1182 | 1422 | 1539 | 1182 | 1736 | 1876 | 1243 | 1485 | 1599 | 1243 | 1810 | 1952 |
| 5/16" - 18 | 1137 | 1393 | 1426 | 1137 | 1299 | 1567 | 1602 | 1299 | 1913 | 1952 | 1385 | 1652 | 1687 | 1385 | 2016 | 2056 |
| 3/8" - 16 | 1485 | 1767 | 1929 | 1485 | 1698 | 1991 | 2162 | 1698 | 2429 | 2639 | 1808 | 2101 | 2275 | 1808 | 2565 | 2774 |
| 7/16" - 14 | 1792 | 2083 | 2629 | 1792 | 2051 | 2358 | 2930 | 2051 | 2876 | 3573 | 2188 | 2495 | 3067 | 2188 | 3044 | 3740 |
| 1/2" - 13 | 2102 | 2481 | 3926 | 2102 | 2376 | 2772 | 4290 | 2376 | 3382 | 5230 | 2513 | 2910 | 4427 | 2513 | 3548 | 5398 |
| 5/8" - 11 | 3064 | 3863 | 4366 | 3064 | 3459 | 4299 | 4825 | 3459 | | | 3655 | 4493 | 5022 | 3655 | | |
| 3/4" - 10 | 6366 | 7319 | 9070 | 6366 | 7081 | 8071 | 9891 | 7081 | | | 7454 | 8446 | 10265 | 7454 | | |
| 7/8" - 9 | 7332 | 8637 | 10361 | 7332 | 8181 | 9536 | 11329 | 8181 | | | 8630 | 9984 | 11778 | 8630 | | |
| 1" - 8 | 10538 | 13353 | 15927 | 10538 | 11509 | 14436 | 17110 | 11509 | | | 11961 | 14884 | 17559 | 11961 | | |
| DIN-371 UNIFIED COARSE (UNC) | | | | | | | | | | | | | | | | |
| No. 2 - 56 | 924 | 1128 | 1299 | 924 | 1048 | 1264 | 1444 | 1048 | | | 1114 | 1332 | 1509 | 1114 | | |
| No. 4 - 40 | 774 | 983 | 1131 | 774 | 893 | 1112 | 1267 | 893 | 1360 | 1546 | 959 | 1179 | 1334 | 959 | 1438 | 1627 |
| No. 6 - 32 | 668 | 840 | 925 | 668 | 783 | 964 | 1051 | 783 | 1174 | 1282 | 850 | 1028 | 1116 | 850 | 1254 | 1362 |
| No. 8 - 32 | 671 | 815 | 925 | 671 | 786 | 935 | 1051 | 786 | 1142 | 1282 | 852 | 1004 | 1116 | 852 | 1223 | 1362 |
| No. 10 - 24 | 668 | 825 | 925 | 668 | 783 | 948 | 1051 | 783 | 1156 | 1282 | 850 | 1014 | 1116 | 850 | 1235 | 1362 |
| 1/4" - 20 | 695 | 835 | 957 | 695 | 811 | 956 | 1086 | 811 | 1166 | 1326 | 877 | 1023 | 1152 | 877 | 1248 | 1407 |
| 5/16" - 18 | 785 | 980 | 1088 | 785 | 923 | 1123 | 1233 | 923 | 1371 | 1504 | 1015 | 1215 | 1325 | 1015 | 1484 | 1616 |
| 3/8" - 16 | 981 | 1183 | 1349 | 981 | 1157 | 1364 | 1534 | 1157 | 1664 | 1870 | 1275 | 1483 | 1653 | 1275 | 1809 | 2015 |



HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS

| DIA & PITCH (mm) | BRIGHT | | | | TiN-COATED | | | | | | TiCN/TiAlN-COATED | | | | | |
|---|---------------------------------|------------------------------|------------------------------|---------------------------|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|
| | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (2B TOL.) | SPIRAL FLUTE (2B TOL.) | CAST IRON (2B TOL.) | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (6H TOL.) | SPIRAL FLUTE (2B TOL.) | CAST IRON (2B TOL.) | SPIRAL POINT VX (Series) (2B TOL.) | SPIRAL FLUTE VX (Series) (2B TOL.) | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (2B TOL.) | SPIRAL FLUTE (6H TOL.) | CAST IRON (2B TOL.) | SPIRAL POINT VX (Series) (2B TOL.) | SPIRAL FLUTE VX (Series) (2B TOL.) |
| DIN-376 UNIFIED COARSE (UNC) | | | | | | | | | | | | | | | | |
| No. 10 - 24 | 888 | 1115 | 1330 | 888 | 1011 | 1250 | 1476 | 1011 | 1523 | 1799 | 1080 | 1315 | 1541 | 1080 | 1605 | 1880 |
| 1/4" - 20 | 956 | 1167 | 1268 | 956 | 1085 | 1305 | 1409 | 1085 | 1590 | 1719 | 1151 | 1369 | 1476 | 1151 | 1673 | 1801 |
| 5/16" - 18 | 1065 | 1302 | 1334 | 1065 | 1208 | 1453 | 1485 | 1208 | 1774 | 1812 | 1300 | 1547 | 1578 | 1300 | 1884 | 1924 |
| 3/8" - 16 | 1377 | 1637 | 1789 | 1377 | 1564 | 1830 | 1986 | 1564 | 2233 | 2421 | 1682 | 1948 | 2104 | 1682 | 2378 | 2567 |
| 7/16" - 14 | 1693 | 1967 | 2482 | 1693 | 1907 | 2188 | 2710 | 1907 | 2670 | 3308 | 2055 | 2335 | 2859 | 2055 | 2848 | 3490 |
| 1/2" - 13 | 1984 | 2340 | 3705 | 1984 | 2205 | 2568 | 3957 | 2205 | 3134 | 4828 | 2353 | 2717 | 4105 | 2353 | 3312 | 5010 |
| 5/8" - 11 | 2864 | 3614 | 4082 | 2864 | 3179 | 3941 | 4418 | 3179 | | | 3389 | 4152 | 4629 | 3389 | | |
| 3/4" - 10 | 5953 | 6843 | 8480 | 5953 | 6503 | 7403 | 9054 | 6503 | | | 6902 | 7800 | 9452 | 6902 | | |
| 7/8" - 9 | 6857 | 8076 | 9689 | 6857 | 7516 | 8746 | 10373 | 7516 | | | 7996 | 9224 | 10851 | 7996 | | |
| 1" - 8 | 9853 | 12485 | 14892 | 9853 | 10537 | 13194 | 15623 | 10537 | | | 11019 | 13674 | 16101 | 11019 | | |
| IS-6175-I,II,III, BS-949 & ISO 529 UNIFIED FINE (UNF) | | | | | | | | | | | | | | | | |
| No. 2 - 64 | 806 | 1008 | 1158 | 806 | 921 | 1131 | 1290 | 921 | | | 980 | 1190 | 1349 | 980 | | |
| No. 4 - 48 | 677 | 860 | 989 | 677 | 783 | 977 | 1112 | 783 | 1191 | 1356 | 843 | 1037 | 1172 | 843 | 1265 | 1430 |
| No. 6 - 40 | 584 | 736 | 807 | 584 | 689 | 846 | 922 | 689 | 1034 | 1125 | 747 | 905 | 981 | 747 | 1105 | 1199 |
| No. 8 - 36 | 586 | 713 | 807 | 586 | 691 | 822 | 922 | 691 | 1004 | 1125 | 750 | 881 | 981 | 750 | 1077 | 1199 |
| No. 10 - 32 | 584 | 721 | 807 | 584 | 689 | 833 | 922 | 689 | 1014 | 1125 | 747 | 892 | 981 | 747 | 1088 | 1199 |
| 1/4" - 28 | 607 | 728 | 837 | 607 | 712 | 840 | 955 | 712 | 1024 | 1163 | 771 | 899 | 1014 | 771 | 1097 | 1238 |
| 5/16" - 24 | 668 | 834 | 924 | 668 | 805 | 978 | 1074 | 805 | 1194 | 1309 | 887 | 1062 | 1156 | 887 | 1295 | 1410 |
| 3/8" - 24 | 880 | 1015 | 1156 | 880 | 1057 | 1201 | 1348 | 1057 | 1463 | 1645 | 1164 | 1308 | 1455 | 1164 | 1596 | 1776 |
| 7/16" - 20 | 1130 | 1311 | 1491 | 1130 | 1352 | 1542 | 1730 | 1352 | 1881 | 2110 | 1485 | 1674 | 1862 | 1485 | 2042 | 2272 |
| 1/2" - 20 | 1370 | 1675 | 1890 | 1370 | 1603 | 1923 | 2149 | 1603 | 2347 | 2621 | 1734 | 2055 | 2279 | 1734 | 2508 | 2783 |
| 5/8" - 18 | 1974 | 2443 | 3000 | 1974 | 2308 | 2802 | 3385 | 2308 | 3446 | 4164 | 2797 | 3170 | 3787 | 2797 | 3900 | 4658 |
| 3/4" - 16 | 3135 | 3774 | 3968 | 3135 | 3737 | 4406 | 5179 | 3737 | | | 4094 | 4762 | 5583 | 4094 | | |
| 7/8" - 14 | 4289 | 5622 | 6901 | 4289 | 5036 | 6436 | 7779 | 5036 | | | 5466 | 6864 | 8208 | 5466 | | |
| 1" - 12 | 5959 | 7450 | 8663 | 5959 | 6788 | 8352 | 9625 | 6788 | | | 7218 | 8782 | 10055 | 7218 | | |
| 1.1/8" - 12 | 9949 | 11199 | 14556 | 9949 | 11559 | 13177 | 16800 | 11559 | | | 12458 | 14606 | 18329 | 12458 | | |
| 1.1/4" - 12 | 9516 | 13633 | 17720 | 9516 | 11683 | 16342 | 20774 | 11683 | | | 13383 | 18382 | 22958 | 13383 | | |
| 1.3/8" - 12 | 12273 | 18966 | 24661 | 12273 | 15233 | 22727 | 28897 | 15233 | | | 17592 | 25559 | 31925 | 17592 | | |
| 1.1/2" - 12 | 14740 | 22269 | 28954 | 14740 | 18830 | 27404 | 34695 | 18830 | | | 22197 | 31442 | 39017 | 22197 | | |
| 1.5/8" - 12 | 17293 | 25961 | 33745 | 17293 | 22393 | 32333 | 40862 | 22393 | | | 26643 | 37435 | 46318 | 26643 | | |
| 1.3/4" - 12 | 20869 | 34963 | 45454 | 20869 | 26145 | 41781 | 53143 | 26145 | | | 30395 | 46881 | 58600 | 30395 | | |
| 2" - 12 | 28996 | | | 28996 | 34782 | | | 34782 | | | 39147 | | | 39147 | | |
| Notes : We can also give the No. 2 - 64 to 3/8" - 24 sizes in DIN-371 blanks at 8% extra. | | | | | | | | | | | | | | | | |
| ISO 2283 IS-6175-IV (IS-7821) UNIFIED FINE (UNF) | | | | | | | | | | | | | | | | |
| No. 10 - 32 | 975 | 1225 | 1461 | 975 | 1101 | 1362 | 1609 | 1101 | 1661 | 1964 | 1163 | 1424 | 1672 | 1163 | 1737 | 2038 |
| 1/4" - 28 | 1052 | 1282 | 1394 | 1052 | 1182 | 1422 | 1539 | 1182 | 1736 | 1876 | 1243 | 1485 | 1599 | 1243 | 1810 | 1952 |
| 5/16" - 24 | 1137 | 1393 | 1426 | 1137 | 1299 | 1567 | 1602 | 1299 | 1913 | 1952 | 1385 | 1652 | 1687 | 1385 | 2016 | 2056 |
| 3/8" - 24 | 1485 | 1767 | 1929 | 1485 | 1698 | 1991 | 2162 | 1698 | 2429 | 2639 | 1808 | 2101 | 2275 | 1808 | 2565 | 2774 |
| 7/16" - 20 | 1792 | 2083 | 2917 | 1792 | 2051 | 2358 | 3231 | 2051 | 2876 | 3941 | 2188 | 2495 | 3369 | 2188 | 3044 | 4109 |
| 1/2" - 20 | 2102 | 2481 | 3926 | 2102 | 2376 | 2772 | 4290 | 2376 | 3382 | 5230 | 2513 | 2910 | 4427 | 2513 | 3548 | 5398 |
| 5/8" - 18 | 3064 | 3863 | 4366 | 3064 | 3459 | 4299 | 4825 | 3459 | 5244 | 5886 | 3655 | 4493 | 5022 | 3655 | 5484 | 6126 |
| 3/4" - 16 | 6366 | 7319 | 9070 | 6366 | 7081 | 8071 | 9891 | 7081 | | | 7454 | 8446 | 10265 | 7454 | | |
| 7/8" - 14 | 7332 | 8637 | 10361 | 7332 | 8181 | 9536 | 11329 | 8181 | | | 8630 | 9984 | 11778 | 8630 | | |
| 1" - 12 | 10538 | 13353 | 15927 | 10538 | 11509 | 14436 | 17110 | 11509 | | | 11961 | 14884 | 17559 | 11961 | | |



HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS

| DIA & PITCH (mm) | BRIGHT | | | | TiN-COATED | | | | | | TiCN/TiAlN-COATED | | | | | |
|--|---------------------------------|------------------------------|------------------------------|---------------------------|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|
| | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (2B TOL.) | SPIRAL FLUTE (2B TOL.) | CAST IRON (2B TOL.) | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (2B TOL.) | SPIRAL FLUTE (2B TOL.) | CAST IRON (2B TOL.) | SPIRAL POINT VX (Series) (2B TOL.) | SPIRAL FLUTE VX (Series) (2B TOL.) | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (2B TOL.) | SPIRAL FLUTE (2B TOL.) | CAST IRON (2B TOL.) | SPIRAL POINT VX (Series) (2B TOL.) | SPIRAL FLUTE VX (Series) (2B TOL.) |
| DIN-374/DIN-376 UNIFIED FINE (UNF) | | | | | | | | | | | | | | | | |
| No. 10 - 32 | 888 | 1115 | 1330 | 888 | 1011 | 1250 | 1476 | 1011 | 1523 | 1799 | 1080 | 1315 | 1541 | 1080 | 1605 | 1880 |
| 1/4" - 28 | 956 | 1167 | 1268 | 956 | 1085 | 1305 | 1409 | 1085 | 1590 | 1719 | 1151 | 1369 | 1476 | 1151 | 1673 | 1801 |
| 5/16" - 24 | 1065 | 1302 | 1334 | 1065 | 1208 | 1453 | 1485 | 1208 | 1774 | 1812 | 1300 | 1547 | 1578 | 1300 | 1884 | 1924 |
| 3/8" - 24 | 1377 | 1637 | 1789 | 1377 | 1564 | 1830 | 1986 | 1564 | 2233 | 2421 | 1682 | 1948 | 2104 | 1682 | 2378 | 2567 |
| 7/16" - 20 | 1693 | 1967 | 2754 | 1693 | 1907 | 2188 | 2989 | 1907 | 2670 | 3647 | 2055 | 2335 | 3137 | 2055 | 2848 | 3825 |
| 1/2" - 20 | 1984 | 2340 | 3705 | 1984 | 2205 | 2568 | 3957 | 2205 | 3134 | 4828 | 2353 | 2717 | 4105 | 2353 | 3312 | 5010 |
| 5/8" - 18 | 2864 | 3614 | 4082 | 2864 | 3179 | 3941 | 4418 | 3179 | 4807 | 5392 | 3389 | 4152 | 4629 | 3389 | 5065 | 5646 |
| 3/4" - 16 | 5953 | 6843 | 8480 | 5953 | 6503 | 7403 | 9054 | 6503 | | | 6902 | 7800 | 9452 | 6902 | | |
| 7/8" - 14 | 6857 | 8076 | 9689 | 6857 | 7516 | 8746 | 10373 | 7516 | | | 7996 | 9224 | 10851 | 7996 | | |
| 1" - 12 | 9853 | 12485 | 14892 | 9853 | 10537 | 13194 | 15623 | 10537 | | | 11019 | 13674 | 16101 | 11019 | | |
| IS-6175-I,II,III, BS-949 & ISO 529 British Standard Whitworth (BSW) | | | | | | | | | | | | | | | | |
| 1/8" - 40 | 584 | 799 | 918 | 584 | 689 | 914 | 1039 | 689 | 1113 | 1267 | 747 | 974 | 1099 | 747 | 1187 | 1341 |
| 5/32" - 32 | 586 | 764 | 855 | 586 | 691 | 877 | 973 | 691 | 1070 | 1186 | 750 | 935 | 1034 | 750 | 1143 | 1260 |
| 1/4" - 20 | 614 | 726 | 837 | 614 | 719 | 838 | 955 | 719 | 1021 | 1163 | 778 | 896 | 1014 | 778 | 1092 | 1238 |
| 5/16" - 18 | 743 | 867 | 1035 | 743 | 882 | 1013 | 1188 | 882 | 1236 | 1450 | 966 | 1096 | 1270 | 966 | 1338 | 1550 |
| 3/8" - 16 | 956 | 1027 | 1268 | 956 | 1138 | 1211 | 1463 | 1138 | 1477 | 1785 | 1245 | 1319 | 1569 | 1245 | 1608 | 1915 |
| 7/16" - 14 | 1219 | 1469 | 1765 | 1219 | 1445 | 1706 | 2017 | 1445 | 2082 | 2461 | 1578 | 1839 | 2150 | 1578 | 2245 | 2622 |
| 1/2" - 12 | 1512 | 1690 | 1919 | 1512 | 1753 | 1939 | 2178 | 1753 | 2365 | 2659 | 1884 | 2071 | 2311 | 1884 | 2525 | 2820 |
| 5/8" - 11 | 2050 | 2443 | 3000 | 2050 | 2389 | 2802 | 3385 | 2389 | 3416 | 4129 | 2578 | 2991 | 3573 | 2578 | 3648 | 4360 |
| 3/4" - 10 | 3846 | 4423 | 5061 | 3846 | 4483 | 5088 | 5756 | 4483 | | | 4840 | 5446 | 6115 | 4840 | | |
| 7/8" - 9 | 4694 | 6046 | 8075 | 4694 | 5462 | 6878 | 9009 | 5462 | | | 5892 | 7307 | 9436 | 5892 | | |
| 1" - 8 | 6854 | 9391 | 11760 | 6854 | 7726 | 10390 | 12874 | 7726 | | | 8158 | 10817 | 13303 | 8158 | | |
| ISO 2283 IS-6175-IV (IS-7821) British Standard Whitworth (BSW) | | | | | | | | | | | | | | | | |
| 1/4" - 20 | 1063 | 1339 | 1604 | 1063 | 1192 | 1481 | 1760 | 1192 | 1807 | 2147 | 1252 | 1544 | 1822 | 1252 | 1884 | 2223 |
| 5/16" - 18 | 1137 | 1393 | 1605 | 1137 | 1299 | 1567 | 1790 | 1299 | 1913 | 2186 | 1385 | 1652 | 1876 | 1385 | 2016 | 2290 |
| 3/8" - 16 | 1533 | 1767 | 2120 | 1533 | 1747 | 1991 | 2361 | 1747 | 2429 | 2882 | 1859 | 2101 | 2473 | 1859 | 2565 | 3018 |
| 7/16" - 14 | 1971 | 2292 | 2638 | 1971 | 2239 | 2576 | 2937 | 2239 | 3142 | 3583 | 2376 | 2714 | 3072 | 2376 | 3310 | 3751 |
| 1/2" - 12 | 2263 | 2830 | 3978 | 2263 | 2546 | 3139 | 4344 | 2546 | 3830 | 5299 | 2684 | 3276 | 4479 | 2684 | 3997 | 5466 |
| 5/8" - 11 | 3064 | 3804 | 4457 | 3064 | 3459 | 4236 | 4922 | 3459 | 5167 | 6003 | 3655 | 4433 | 5116 | 3655 | 5406 | 6243 |
| 3/4" - 10 | 6919 | 7956 | 9471 | 6919 | 7656 | 8734 | 10309 | 7656 | | | 8029 | 9108 | 10680 | 8029 | | |
| 7/8" - 9 | 7608 | 8674 | 11378 | 7608 | 8467 | 9573 | 12383 | 8467 | | | 8916 | 10023 | 12833 | 8916 | | |
| 1" - 8 | 10538 | 13353 | 17411 | 10538 | 11509 | 14436 | 18651 | 11509 | | | 11961 | 14884 | 19102 | 11961 | | |



HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS

| DIA & PITCH (mm) | BRIGHT | | | | TiN-COATED | | | | | | TiCN/TiAlN-COATED | | | | | |
|---|---------------------------------|------------------------------|------------------------------|---------------------------|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|---------------------------------|------------------------------|------------------------------|---------------------------|---|---|
| | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (2B TOL.) | SPIRAL FLUTE (2B TOL.) | CAST IRON (2B TOL.) | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (2B TOL.) | SPIRAL FLUTE (2B TOL.) | CAST IRON (2B TOL.) | SPIRAL POINT VX (Series) (2B TOL.) | SPIRAL FLUTE VX (Series) (2B TOL.) | STRAIGHT FLUTES (2B TOL.) | SPIRAL POINT (2B TOL.) | SPIRAL FLUTE (2B TOL.) | CAST IRON (2B TOL.) | SPIRAL POINT VX (Series) (2B TOL.) | SPIRAL FLUTE VX (Series) (2B TOL.) |
| DIN-371 British Standard Whitworth (BSW) | | | | | | | | | | | | | | | | |
| 1/8" -40 | 668 | 914 | 1052 | 668 | 783 | 1040 | 1183 | 783 | 1268 | 1445 | 850 | 1107 | 1250 | 850 | 1348 | 1524 |
| 5/32" - 32 | 671 | 875 | 978 | 671 | 786 | 998 | 1108 | 786 | 1220 | 1351 | 852 | 1064 | 1173 | 852 | 1299 | 1430 |
| 3/16" - 24 | 735 | 877 | 989 | 735 | 852 | 1000 | 1119 | 852 | 1221 | 1365 | 917 | 1065 | 1186 | 917 | 1300 | 1446 |
| 1/4" - 20 | 702 | 832 | 957 | 702 | 818 | 952 | 1086 | 818 | 1164 | 1326 | 884 | 1020 | 1152 | 884 | 1244 | 1407 |
| 5/16" - 18 | 875 | 1021 | 1217 | 875 | 1012 | 1164 | 1365 | 1012 | 1420 | 1667 | 1105 | 1256 | 1458 | 1105 | 1532 | 1780 |
| 3/8" -16 | 1114 | 1196 | 1476 | 1114 | 1295 | 1379 | 1664 | 1295 | 1681 | 2032 | 1413 | 1495 | 1783 | 1413 | 1827 | 2176 |
| DIN-374/DIN-376 British Standard Whitworth (BSW) | | | | | | | | | | | | | | | | |
| 1/4" - 20 | 993 | 1252 | 1502 | 993 | 1104 | 1370 | 1625 | 1104 | 1671 | 1984 | 1170 | 1438 | 1693 | 1170 | 1754 | 2065 |
| 5/16" - 18 | 1065 | 1302 | 1504 | 1065 | 1208 | 1453 | 1660 | 1208 | 1774 | 2024 | 1300 | 1547 | 1753 | 1300 | 1884 | 2136 |
| 3/8" - 16 | 1448 | 1668 | 1999 | 1448 | 1624 | 1847 | 2187 | 1624 | 2255 | 2668 | 1743 | 1966 | 2307 | 1743 | 2399 | 2812 |
| 7/16" - 14 | 1861 | 2165 | 2488 | 1861 | 2079 | 2389 | 2719 | 2079 | 2913 | 3317 | 2228 | 2536 | 2868 | 2228 | 3095 | 3497 |
| 1/2" - 12 | 2135 | 2672 | 3753 | 2135 | 2359 | 3385 | 4007 | 2359 | 4128 | 4890 | 2507 | 3531 | 4155 | 2507 | 4310 | 5070 |
| 5/8" - 11 | 2864 | 3595 | 4169 | 2864 | 3179 | 3922 | 4507 | 3179 | 4787 | 5498 | 3389 | 4133 | 4717 | 3389 | 5043 | 5756 |
| 3/4" - 10 | 6470 | 7437 | 8854 | 6470 | 7024 | 8002 | 9430 | 7024 | | | 7422 | 8402 | 9831 | 7422 | | |
| 7/8" - 9 | 7114 | 8183 | 10638 | 7114 | 7777 | 8854 | 11331 | 7777 | | | 8256 | 9332 | 11809 | 8256 | | |
| 1" - 8 | 9853 | 12485 | 16278 | 9853 | 10537 | 13194 | 17021 | 10537 | | | 11019 | 13674 | 17500 | 11019 | | |
| IS-6175-I,II,III, BS-949 & ISO 529 British Standard Fine (BSF) | | | | | | | | | | | | | | | | |
| 1/4" - 26 | 614 | 726 | 837 | 614 | 719 | 838 | 955 | 719 | 1021 | 1163 | 778 | 896 | 1014 | 778 | 1092 | 1238 |
| 5/16" - 22 | 743 | 867 | 1035 | 743 | 882 | 1013 | 1188 | 882 | 1236 | 1450 | 966 | 1096 | 1270 | 966 | 1338 | 1550 |
| 3/8" - 20 | 956 | 1027 | 1268 | 956 | 1138 | 1211 | 1463 | 1138 | 1477 | 1785 | 1245 | 1319 | 1569 | 1245 | 1608 | 1915 |
| 7/16" - 18 | 1219 | 1469 | 1765 | 1219 | 1445 | 1706 | 2017 | 1445 | 2082 | 2461 | 1578 | 1839 | 2150 | 1578 | 2245 | 2622 |
| 1/2" - 16 | 1512 | 1690 | 1919 | 1512 | 1753 | 1939 | 2178 | 1753 | 2365 | 2659 | 1884 | 2071 | 2311 | 1884 | 2525 | 2820 |
| 5/8" - 14 | 2050 | 2443 | 3000 | 2050 | 2389 | 2802 | 3385 | 2389 | 3416 | 4129 | 2578 | 2991 | 3573 | 2578 | 3648 | 4360 |
| 3/4" - 12 | 3846 | 4423 | 5061 | 3846 | 4483 | 5088 | 5756 | 4483 | | | 4840 | 5446 | 6115 | 4840 | | |
| 7/8" - 11 | 4694 | 6046 | 8075 | 4694 | 5462 | 6878 | 9009 | 5462 | | | 5892 | 7307 | 9436 | 5892 | | |
| 1" - 10 | 6854 | 9391 | 11760 | 6854 | 7726 | 10390 | 12874 | 7726 | | | 8158 | 10817 | 13303 | 8158 | | |
| Notes : We can also give the No. 3/16" - 32 to 3/8" - 20 sizes in DIN-371 blanks at 8% extra. | | | | | | | | | | | | | | | | |
| ISO 2283 IS-6175-IV (IS-7821) British Standard Fine (BSF) | | | | | | | | | | | | | | | | |
| 1/4" - 26 | 1063 | 1339 | 1604 | 1063 | 1192 | 1481 | 1760 | 1192 | 1807 | 2147 | 1252 | 1544 | 1822 | 1252 | 1884 | 2223 |
| 5/16" - 22 | 1137 | 1393 | 1605 | 1137 | 1299 | 1567 | 1790 | 1299 | 1913 | 2186 | 1385 | 1652 | 1876 | 1385 | 2016 | 2290 |
| 3/8" - 20 | 1533 | 1767 | 2120 | 1533 | 1747 | 1991 | 2361 | 1747 | 2429 | 2882 | 1859 | 2101 | 2473 | 1859 | 2565 | 3018 |
| 7/16" - 18 | 1971 | 2292 | 2682 | 1971 | 2239 | 2576 | 2985 | 2239 | 3142 | 3641 | 2376 | 2714 | 3124 | 2376 | 3310 | 3807 |
| 1/2" - 16 | 2263 | 2830 | 3978 | 2263 | 2546 | 3139 | 4344 | 2546 | 3830 | 5299 | 2684 | 3276 | 4479 | 2684 | 3997 | 5466 |
| 5/8" - 14 | 3064 | 3804 | 4457 | 3064 | 3459 | 4236 | 4922 | 3459 | 5167 | 6003 | 3655 | 4433 | 5116 | 3655 | 5406 | 6243 |
| 3/4" - 12 | 6919 | 7956 | 9471 | 6919 | 7656 | 8734 | 10309 | 7656 | | | 8029 | 9108 | 10680 | 8029 | | |
| 7/8" - 11 | 7608 | 8751 | 11378 | 7608 | 8467 | 9654 | 12383 | 8467 | | | 8916 | 10103 | 12833 | 8916 | | |
| 1" - 10 | 10538 | 13353 | 17411 | 10538 | 11509 | 14436 | 18651 | 11509 | | | 11961 | 14884 | 19102 | 11961 | | |
| DIN-374/DIN - 376 British Standard Fine (BSF) | | | | | | | | | | | | | | | | |
| 5/16" - 22 | 1065 | 1302 | 1504 | 1065 | 1208 | 1453 | 1660 | 1208 | 1774 | 2024 | 1300 | 1547 | 1753 | 1300 | 1884 | 2136 |
| 3/8" - 20 | 1420 | 1637 | 1964 | 1420 | 1609 | 1830 | 2167 | 1609 | 2233 | 2643 | 1727 | 1948 | 2287 | 1727 | 2378 | 2788 |
| 7/16" -18 | 1861 | 2165 | 2533 | 1861 | 2079 | 2389 | 2763 | 2079 | 2913 | 3371 | 2228 | 2536 | 2911 | 2228 | 3095 | 3549 |
| 1/2" -16 | 2135 | 2672 | 3753 | 2135 | 2359 | 2952 | 4007 | 2359 | 3602 | 4890 | 2507 | 3204 | 4155 | 2507 | 3909 | 5070 |
| 5/8" - 14 | 2864 | 3595 | 4169 | 2864 | 3179 | 3922 | 4507 | 3179 | 4787 | 5498 | 3389 | 4133 | 4717 | 3389 | 5043 | 5756 |
| 3/4" -12 | 6470 | 7437 | 8854 | 6470 | 7024 | 8002 | 9430 | 7024 | | | 7422 | 8402 | 9831 | 7422 | | |
| 7/8" -11 | 7114 | 8183 | 10638 | 7114 | 7777 | 8854 | 11331 | 7777 | | | 8256 | 9332 | 11809 | 8256 | | |
| 1" - 10 | 9853 | 12485 | 16278 | 9853 | 10537 | 13194 | 17021 | 10537 | | | 11019 | 13674 | 17500 | 11019 | | |

HSS-E

**HIGH SPEED STEEL GROUND THREAD TAPS
PIPE TAPS**

| DIA & PITCH (mm) | BRIGHT | | | | TiN-COATED | | | | TiCN/TiAlN-COATED | | | |
|---------------------|--------------|---------------|-------------|--------------------------|--------------|---------------|-------------|--------------------------|-------------------|---------------|-------------|--|
| | BSP HAND TAP | BSPT HAND TAP | BSP 6" LONG | BSP FLUTELESS OIL GROOVE | BSP HAND TAP | BSPT HAND TAP | BSP 6" LONG | BSP FLUTELESS OIL GROOVE | BSP HAND TAP | BSPT HAND TAP | BSP 6" LONG | |

BSP/BSPT/BSP 6" LONG BS 949

| | | | | | | | | | | | | |
|-----------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|--|
| 1/8" - 28 | 974 | 1236 | 3003 | 2385 | 1453 | 1731 | 3579 | 2775 | 1881 | 2163 | 4014 | |
| 1/4" - 19 | 1543 | 2250 | 4663 | 3787 | 2198 | 2956 | 5465 | 4338 | 2777 | 3554 | 6046 | |
| 3/8" - 19 | 2462 | 3111 | 7438 | 5996 | 3471 | 4151 | 8686 | 6837 | 4362 | 5041 | 9577 | |
| 1/2" - 14 | 3606 | 4518 | 10954 | 9444 | 5256 | 6208 | 12951 | 10811 | 6732 | 7684 | 14424 | |
| 5/8" - 14 | 3806 | | | | 6422 | | | | 8857 | | | |
| 3/4" - 14 | 5369 | 7026 | 16272 | | 7900 | 9629 | 19323 | | 10174 | 11901 | 21594 | |
| 7/8" | 6693 | | | | 9618 | | | | 12225 | | | |
| 1" - 11 | 8452 | 11029 | | | 11471 | 14170 | | | 14088 | 16786 | | |

NPT/NPTF/NPSF/NPT LONG/NPSF LONG BS-949

| DIA & PITCH (mm) | NPT/NPTF | NPSF | NPT 6" OAL | NPSF 6" OAL | NPT/NPTF | NPSF | NPT 6" OAL | NPSF 6" OAL | NPT/NPTF | NPSF | NPT 6" OAL | NPSF 6" OAL |
|---------------------|----------|------|------------|-------------|----------|-------|------------|-------------|----------|-------|------------|-------------|
| 1/16" - 27 | 1206 | | 3360 | | 1698 | | 3927 | | 2135 | | 4331 | |
| 1/8" - 27 | 1383 | 1132 | 3973 | 2831 | 1888 | 1628 | 4572 | 3406 | 2327 | 2067 | 4980 | 3847 |
| 1/4" - 18 | 2410 | 1995 | 7056 | 4984 | 3117 | 2676 | 7941 | 5813 | 3708 | 3265 | 8484 | 6399 |
| 3/8" - 18 | 3321 | 2652 | 9742 | 6633 | 4389 | 3689 | 11051 | 7853 | 5298 | 4600 | 11898 | 8759 |
| 1/2" - 14 | 4774 | 4074 | 13969 | 10182 | 6480 | 5744 | 16004 | 12142 | 7962 | 7217 | 17372 | |
| 3/4" - 14 | 7146 | 5685 | 20679 | 14215 | 9761 | 8228 | 23775 | 17164 | 12038 | 10502 | 25890 | 19438 |
| 1" - 11.5 | 11341 | 9575 | | | 14494 | 12643 | | | 17102 | 15256 | | |

BSP (ISO,DIN) NPT (BS 949 & DIN) BRIGHT

| DIA & PITCH (mm) | BSP STRAIGHT FLUTE TAP (ISO) | BSP STRAIGHT FLUTE TAP (DIN) | BSP SPIRAL POINT TAP (ISO) | BSP SPIRAL POINT TAP (DIN) | BSP SPIRAL FLUTE TAP (ISO) | BSP SPIRAL FLUTE TAP (DIN) | NPT STRAIGHT FLUTE TAP (DIN) | NPT SPIRAL FLUTE TAP (ISO) | NPT SPIRAL FLUTE TAP (DIN) |
|---------------------|------------------------------|------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------------------|----------------------------|----------------------------|
| 1/8" | 1186 | 1364 | 1484 | 1706 | 1660 | 1991 | 1793 | 2245 | 2580 |
| 1/4" | 1861 | 2141 | 2327 | 2676 | 2606 | 3128 | 3098 | 3872 | 4454 |
| 3/8" | 2940 | 3383 | 3674 | 4226 | 4115 | 4940 | 4227 | 5284 | 6078 |
| 1/2" | 4378 | 5037 | 5475 | 6296 | 6129 | 7358 | 6299 | 7871 | 9053 |
| 3/4" | 6516 | 7497 | 8146 | 9369 | 9125 | 10947 | 9430 | 11786 | 13555 |
| 1" - | 10261 | 11799 | 12825 | 14748 | 14364 | 17238 | 14964 | 18707 | 21512 |

BSP (ISO,DIN) NPT (BS 949 & DIN) TiN-COATED

| DIA & PITCH (mm) | BSP STRAIGHT FLUTE TAP (ISO) | BSP STRAIGHT FLUTE TAP (DIN) | BSP SPIRAL POINT TAP (ISO) | BSP SPIRAL POINT TAP (DIN) | BSP SPIRAL FLUTE TAP (ISO) | BSP SPIRAL FLUTE TAP (DIN) | NPT STRAIGHT FLUTE TAP (DIN) | NPT SPIRAL FLUTE TAP (BS-949) | NPT SPIRAL FLUTE TAP (DIN) |
|---------------------|------------------------------|------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------------------|-------------------------------|----------------------------|
| 1/8" | 1633 | 1817 | 1942 | 2176 | 2129 | 2475 | 2346 | 2817 | 3170 |
| 1/4" | 2463 | 2754 | 2949 | 3316 | 3242 | 3789 | 3862 | 4673 | 5280 |
| 3/8" | 3851 | 4313 | 4622 | 5198 | 5081 | 5945 | 5354 | 6459 | 7288 |
| 1/2" | 5828 | 6510 | 6964 | 7815 | 7644 | 8916 | 8076 | 9709 | 10935 |
| 3/4" | 8742 | 9757 | 10434 | 11702 | 11447 | 13342 | 12160 | 14606 | 16442 |
| 1" | 12924 | 14521 | 15587 | 17584 | 17184 | 20165 | 18260 | 22142 | 25055 |

Prices for NPSI/NPSM : 35% extra.

Prices for NPT (Interrupted) : 35% extra.

HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS
NIB TAPS

| DIA & PITCH (mm) | BRIGHT | TiN-COATED | TiCN/TiALN-COATED |
|---|--------|------------|-------------------|
| METRIC COARSE | | | |
| 3 X 0.5 | 963 | 1102 | 1240 |
| 3.5 X 0.6 | 963 | 1102 | 1240 |
| 4 X 0.7 | 963 | 1102 | 1240 |
| 5 X 0.8 | 1004 | 1145 | 1282 |
| 6 X 1.0 | 1004 | 1145 | 1282 |
| 7 X 1.0 | 1136 | 1342 | 1546 |
| 8 X 1.25 | 1136 | 1342 | 1546 |
| 9 X 1.25 | 1406 | 1683 | 1960 |
| 10 X 1.50 | 1406 | 1683 | 1960 |
| 12 X 1.75 | 2153 | 2495 | 2839 |
| 14 X 2.00 | 3180 | 3644 | 4109 |
| 16 X 2.00 | 3180 | 3669 | 4156 |
| METRIC FINE | | | |
| 5 X 0.5 | 1206 | 1374 | 1537 |
| 7 X 0.75 | 1349 | 1593 | 1835 |
| 8 X 1.0 | 1349 | 1593 | 1835 |
| 10 X 1.0 | 1601 | 1920 | 2234 |
| 10 X 1.25 | 1601 | 1920 | 2234 |
| 11 X 1.50 | 2475 | 2869 | 3264 |
| 12 X 1.25 | 2475 | 2869 | 3264 |
| 12 X 1.50 | 2475 | 2869 | 3264 |
| 14 X 1.50 | 3658 | 4191 | 4722 |
| 16 X 1.50 | 3658 | 4217 | 4778 |
| FRACTIONAL SIZES (UNC/UNF/BSW/BSF) | | | |
| 1/4" | 1206 | 1374 | 1537 |
| 5/16" | 1352 | 1593 | 1835 |
| 3/8" | 1687 | 2019 | 2354 |
| 7/16" | 2585 | 2993 | 3407 |
| 1/2" | 3868 | 4430 | 4993 |
| 9/16" | 3817 | 4402 | 4987 |
| 5/8" | 3977 | 4586 | 5193 |



1. SPECIAL TOLERANCE : 10% extra.

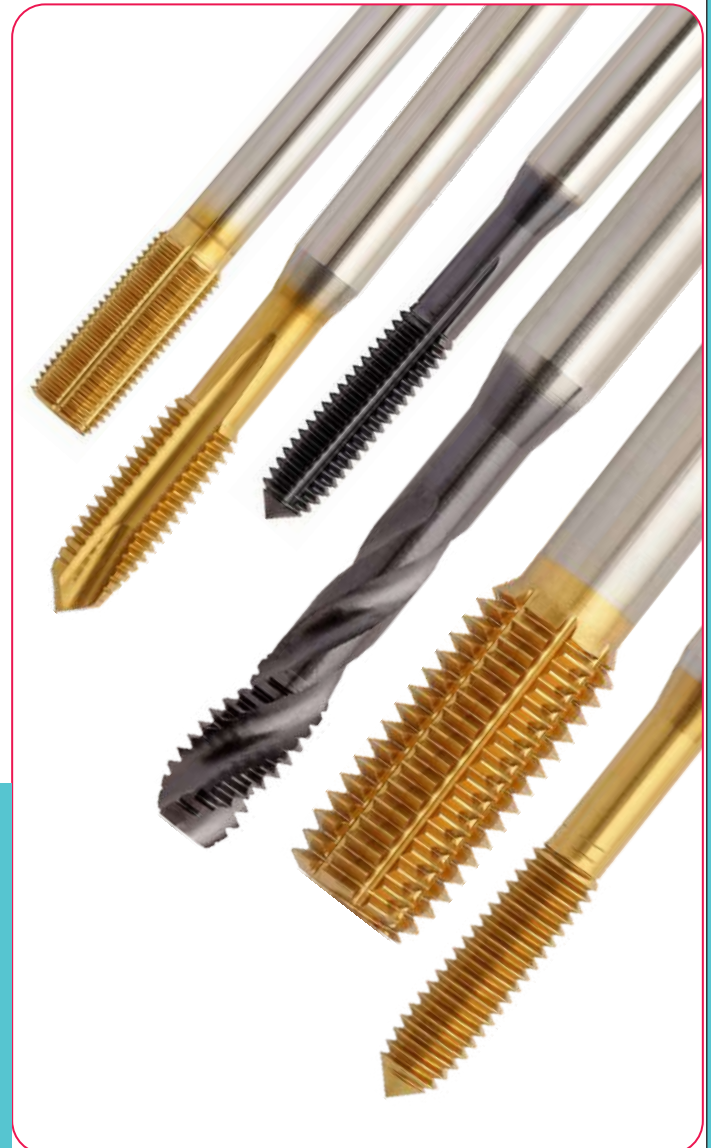
Notes : We can also give the above Sizes in 8% Cobalt at 20% extra.

HSS-E

HIGH SPEED STEEL GROUND THREAD TAPS

STI TAP (HSS-E)

| DIA & PITCH (mm) | FLUTELESS TIN | | FLUTELESS OIL GROOVE TIN | |
|---------------------|------------------|------|--------------------------------|-------|
| | 3 X 0.5 | 2585 | 2691 | 2849 |
| 4 X 0.7 | 2585 | 2691 | 2849 | 2955 |
| 5 X 0.8 | 2585 | 2691 | 2849 | 2955 |
| 6 X 1.0 | 2585 | 2691 | 2849 | 2955 |
| 8 X 1.25 | 3039 | 3230 | 3181 | 3373 |
| 10 X 1.50 | 3717 | 4044 | 3889 | 4214 |
| 12 X 1.75 | 6071 | 6560 | 6621 | 7110 |
| 14 X 2.00 | 8428 | 9090 | 9329 | 9994 |
| 16 X 2.00 | 8934 | 9710 | 10080 | 10857 |



NOTE :

- 1) TAPS TO JAPANESE STANDARD, DIN 352, AMERICAN STANDARD also available in some sizes. Prices on request.
- 2) Please refer to us for items/sizes not covered in this Price List.
- 3) For Left Hand taps 35% extra will be charged.

TERMS & CONDITIONS :

- 1) **GST & OTHER GOVT. LEVIES WILL BE CHARGED EXTRA AS APPLICABLE.**
- 2) **PRICES ARE SUBJECT TO REVISION WITHOUT PRIOR NOTICE.**
- 3) **THIS PRICE LIST SUPERCEDES ALL OUR EARLIER PRICE LISTS.**
- 4) **THE PRICES QUOTED IN THIS PRICE LIST ARE THE MAXIMUM RETAIL PRICE AND THE DEALERS / STOCKISTS ARE FREE TO SELL THE GOODS AT PRICES LOWER THAN THE PRICES FIXED BY THE COMPANY.**
- 5) **ALL LEGAL PROCEEDINGS ARE SUBJECT TO NAGPUR JURISDICTION.**



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