



Effective from 5th December 2024

PRICE LIST



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(Effective from 5th December 2024)

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



EMKAY TOOLS

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**HSSE****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	1511	1789	1629	1511	1627	1913	1746	1627			1683	1968	1801	1683		
1.8 X 0.35	1430	1789	1500	1430	1541	1913	1613	1541			1596	1968	1668	1596		
2 X 0.4	839	993	1070	839	933	1093	1172	933			990	1148	1226	990		
2.2 X 0.45	839	993	1094	839	933	1093	1195	933			990	1148	1250	990		
2.3 X 0.4	839	993	1094	839	933	1093	1195	933			990	1148	1250	990		
2.5 X 0.45	839	823	851	839	933	915	945	933			990	970	1000	990		
2.6 X 0.45	839	823	851	839	933	915	945	933			990	970	1000	990		
METRIC COARSE ISO-529, IS-6175-II																
3 X 0.5	532	606	696	532	618	694	786	618	848	959	673	750	840	673	914	1026
3.5 X 0.6	532	601	696	532	618	687	786	618	838	959	673	743	840	673	907	1026
4 X 0.7	532	601	696	532	618	687	786	618	838	959	673	743	840	673	907	1026
5 X 0.8	556	643	730	556	643	731	820	643	891	1002	698	786	877	698	959	1068
6 X 1.0	556	654	730	556	643	743	820	643	906	1002	698	797	877	698	973	1068
7 X 1.0	718	830	940	718	834	951	1064	834	1159	1297	911	1026	1140	911	1252	1392
8 X 1.25	620	730	815	620	734	848	935	734	1033	1142	810	924	1011	810	1125	1236
9 X 1.25	805	943	1050	805	952	1096	1206	952	1337	1470	1050	1196	1306	1050	1459	1593
10 X 1.50	805	943	1050	805	952	1096	1206	952	1337	1470	1050	1196	1306	1050	1459	1593
METRIC COARSE ISO-529, IS-6175-III																
3 X 0.5	583	694	797	583	670	783	890	670			724	837	945	724		
3.5 X 0.6	605	737	815	605	693	829	909	693			747	884	964	747		
4 X 0.7	583	694	797	583	670	783	890	670	957	1086	724	837	945	724	1023	1153
5 X 0.8	621	712	783	621	708	802	876	708	979	1067	763	857	930	763	1046	1136
6 X 1.0	621	712	785	621	708	802	878	708	979	1071	763	857	932	763	1046	1139
7 X 1.0	790	955	1082	790	909	1078	1210	909	1317	1475	986	1154	1285	986	1408	1568
8 X 1.25	738	862	926	738	856	984	1048	856	1200	1281	932	1060	1125	932	1293	1374
9 X 1.25	855	1074	1256	855	1005	1231	1418	1005	1501	1731	1103	1330	1518	1103	1622	1852
10 X 1.50	855	1074	1256	855	1005	1231	1418	1005	1501	1731	1103	1330	1518	1103	1622	1852
11 X 1.5	1391	1743	1900	1391	1586	1948	2109	1586	2377	2574	1709	2070	2232	1709	2526	2723
12 X 1.75	1227	1476	1664	1227	1416	1673	1867	1416	2041	2278	1539	1795	1990	1539	2190	2427
14 X 2.00	1788	2144	2571	1788	2051	2417	2858	2051	2949	3487	2219	2584	3027	2219	3154	3693
16 X 2.00	1801	2204	2571	1801	2074	2490	2868	2074	3037	3499	2250	2667	3045	2250	3253	3713
18 X 2.5	2758	3539	4099	2758	3151	3955	4532	3151			3399	4202	4780	3399		
20 X 2.5	3545	4507	5016	3545	4067	5058	5583	4067			4401	5389	5916	4401		
22 X 2.5	5080	5598	6332	5080	5721	6253	7010	5721			6112	6644	7401	6112		
24 X 3.0	5452	6207	7740	5452	6103	6882	8460	6103			6493	7271	8851	6493		
25 X 3.0	5479	6781	8540	5479	6130	7474	9283	6130			6522	7863	9674	6522		
27 X 3.0	8672	9919	10653	8672	9420	10706	11461	9420			9812	11096	11851	9812		
30 X 3.5	9212	10585	12383	9212	10170	11584	13436	10170			10717	12129	13983	10717		
33 X 3.5	9815	14466	16636	9815	10792	15582	17818	10792			11337	16129	18362	11337		
36 X 4.0	13657	19119	21702	13657	15087	20713	23372	15087			15902	21530	24190	15902		

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.

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.)	Spiral 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	1123	1239	1383	1123	1225	1345	1494	1225	1641	1821	1282	1400	1549	1282	1709	1890
5 X 0.8	740	839	994	740	832	933	1094	832	1139	1332	887	988	1148	887	1207	1401
6 X 1.0	810	1055	1083	810	904	1154	1185	904	1411	1445	959	1212	1241	959	1477	1511
7 X 1.0	980	1147	1422	980	1104	1278	1560	1104	1558	1904	1181	1354	1638	1181	1650	1998
8 X 1.25	932	1100	1178	932	1056	1228	1309	1056	1499	1597	1132	1305	1385	1132	1592	1690
9 X 1.25	1185	1402	1499	1185	1345	1569	1667	1345	1914	2034	1445	1667	1768	1445	2034	2155
10 X 1.50	1185	1402	1499	1185	1345	1569	1667	1345	1914	2034	1445	1667	1768	1445	2034	2155
12 X 1.75	1593	1959	2211	1593	1794	2171	2431	1794	2648	2965	1916	2293	2552	1916	2797	3114
14 X 2.00	2554	2948	3374	2554	2841	3248	3684	2841	3961	4495	3008	3414	3853	3008	4164	4700
16 X 2.00	2522	2948	3374	2522	2818	3257	3695	2818	3974	4509	2994	3433	3870	2994	4188	4721
18 X 2.5	3860	4399	6003	3860	4285	4841	6492	4285			4533	5089	6740	4533		
20 X 2.5	5260	5738	7208	5260	5832	6326	7840	5832			6164	6659	8172	6164		
22 X 2.5	6151	6776	7650	6151	6822	7467	8367	6822			7213	7858	8757	7213		
24 X 3.0	6600	7745	9600	6600	7285	8466	10378	7285			7676	8857	10767	7676		
25 X 3.0	7319	8684	11231	7319	8025	9433	12056	8025			8416	9823	12448	8416		
27 X 3.0	10498	12009	13636	10498	11300	12857	14534	11300			11692	13246	14923	11692		
30 X 3.5	11637	12813	15903	11637	12669	13879	17062	12669			13213	14427	17609	13213		
33 X 3.5	11705	21298	25874	11705	12739	22617	27330	12739			13282	23163	27877	13282		
36 X 4.0	16569	21414	26738	16569	18087	23076	28561	18087			18904	23893	29376	18904		
METRIC COARSE DIN-371																
1.6 X 0.35	1666	1973	1743	1666	1787	2103	1866	1787			1848	2162	1926	1848		
1.8 X 0.35	1576	1973	1689	1576	1695	2103	1812	1695			1754	2162	1869	1754		
2 X 0.4	925	1095	1205	925	1026	1200	1314	1026			1085	1258	1374	1085		
2.2 X 0.45	925	1095	1232	925	1026	1200	1341	1026			1085	1258	1399	1085		
2.3 X 0.4	925	1095	1232	925	1026	1200	1341	1026			1085	1258	1399	1085		
2.5 X 0.45	925	906	1025	925	1026	1005	1129	1026			1085	1065	1189	1085		
2.6 X 0.45	925	906	959	925	1026	1005	1060	1026			1085	1065	1118	1085		
3 X 0.5	587	669	766	587	678	762	863	678	929	1053	736	820	921	736	1002	1126
3.5 X 0.6	587	664	766	587	678	756	863	678	921	1053	736	814	921	736	993	1126
4 X 0.7	587	664	766	587	678	756	863	678	921	1053	736	814	921	736	993	1126
5 X 0.8	614	709	803	614	705	803	901	705	977	1098	764	862	959	764	1050	1171
6 X 1.0	614	721	803	614	705	815	901	705	995	1098	764	873	959	764	1067	1171
7 X 1.0	814	942	1065	814	924	1054	1179	924	1285	1437	1006	1135	1260	1006	1385	1538
8 X 1.25	703	827	925	703	812	937	1037	812	1143	1266	895	1020	1119	895	1243	1365
9 X 1.25	881	1059	1180	881	1022	1202	1323	1022	1467	1612	1128	1308	1427	1128	1594	1742
10 X 1.50	881	1059	1180	881	1022	1202	1323	1022	1467	1612	1128	1308	1427	1128	1594	1742

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.


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 COARSE DIN-376																
4 X 0.7	699	831	957	699	792	929	1058	792	1132	1254	852	988	1116	852	1205	1361
5 X 0.8	743	852	938	743	838	951	1039	838	1161	1268	898	1011	1098	898	1233	1340
6 X 1.0	743	852	940	743	838	951	1041	838	1161	1271	898	1011	1100	898	1233	1343
7 X 1.0	974	1177	1332	974	1087	1291	1448	1087	1575	1768	1168	1373	1531	1168	1676	1869
8 X 1.25	974	1063	1142	974	1087	1177	1256	1087	1435	1532	1168	1258	1338	1168	1536	1631
9 X 1.25	1044	1311	1534	1044	1188	1455	1682	1188	1775	2051	1294	1562	1787	1294	1904	2180
10 X 1.50	1044	1311	1534	1044	1188	1455	1682	1188	1775	2051	1294	1562	1787	1294	1904	2180
12 X 1.75	1566	1834	2068	1566	1731	1999	2233	1731	2439	2725	1864	2130	2366	1864	2600	2886
14 X 2.00	2202	2641	3170	2202	2426	2864	3393	2426	3495	4139	2605	3043	3573	2605	3714	4358
16 X 2.00	2217	2716	3170	2217	2452	2951	3402	2452	3600	4153	2641	3137	3590	2641	3829	4382
18 X 2.5	3399	4360	5050	3399	3730	4690	5382	3730			3994	4955	5645	3994		
20 X 2.5	4634	5551	6179	4634	5079	5996	6624	5079			5436	6351	6980	5436		
22 X 2.5	6259	6897	7801	6259	6781	7416	8324	6781			7198	7833	8739	7198		
24 X 3.0	6717	7647	9537	6717	7238	8168	10058	7238			7654	8585	10475	7654		
27 X 3.0	10683	12221	13125	10683	11205	12742	13647	11205			11622	13161	14064	11622		
30 X 3.5	11350	13041	15256	11350	12079	13770	15985	12079			12660	14351	16568	12660		
33 X 3.5	12093	17821	20496	12093	12820	18551	21224	12820			13404	19133	21808	13404		
36 X 4.0	16824	23556	26738	16824	17914	24646	27826	17914			18786	25517	28699	18786		
METRIC FINE DIN-371																
3 X 0.35	817	1009	1136	817	917	1112	1244	917			978	1173	1305	978		
4 X 0.5	817	1009	1031	817	917	1112	1137	917	1357	1389	978	1173	1200	978	1433	1463
4 X .75	904	1181	1382	904	1006	1291	1499	1006	1575	1829	1067	1353	1559	1067	1649	1903
5 X .5/.75	923	1120	1314	923	1025	1229	1428	1025	1499	1743	1084	1290	1490	1084	1574	1817
6 X .5	902	1143	1317	902	1004	1252	1429	1004	1525	1743	1066	1312	1490	1066	1602	1817
6 X .75	902	1143	1317	902	1004	1252	1429	1004	1525	1743	1066	1312	1490	1066	1602	1817
7 X .75	985	1322	1408	985	1090	1428	1513	1090	1742	1844	1173	1513	1596	1173	1844	1947
8 X .5/.75	1006	1388	1504	1006	1111	1492	1609	1111	1819	1963	1196	1576	1695	1196	1922	2067
8 X 1.0	881	1004	1172	881	986	1109	1277	986	1354	1557	1070	1193	1361	1070	1455	1660
9 X 1.0	1104	1406	1491	1104	1239	1540	1624	1239	1879	1983	1347	1649	1733	1347	2013	2116
10 X 1.0	1077	1299	1486	1077	1213	1433	1621	1213	1748	1980	1321	1542	1729	1321	1881	2110
10 X 1.25	1026	1227	1427	1026	1161	1363	1561	1161	1663	1906	1268	1471	1669	1268	1794	2036
METRIC FINE ISO-529, IS-6175-II																
3 X 0.35	742	915	1031	742	833	1010	1130	833			889	1066	1186	889		
4 X 0.5	742	915	936	742	833	1010	1034	833	1233	1262	889	1066	1091	889	1301	1329
4 X .75	821	1071	1254	821	914	1173	1361	914	1431	1662	969	1228	1416	969	1499	1728
5 X .5/.75	837	1016	1193	837	931	1116	1297	931	1361	1583	986	1172	1354	986	1430	1649
6 X .5	818	1037	1194	818	912	1138	1298	912	1386	1583	968	1192	1354	968	1455	1650
6 X .75	818	1037	1194	818	912	1138	1298	912	1386	1583	968	1192	1354	968	1455	1650
7 X .75	868	1166	1242	868	990	1297	1374	990	1582	1675	1066	1374	1451	1066	1675	1769
8 X .5/.75	887	1224	1327	887	1009	1356	1462	1009	1653	1784	1086	1432	1539	1086	1746	1878
8 X 1.0	777	885	1034	777	895	1007	1160	895	1229	1415	971	1083	1237	971	1322	1508
9 X 1.0	984	1252	1327	984	1136	1413	1490	1136	1724	1819	1236	1513	1590	1236	1847	1941
10 X 1.0	959	1156	1324	959	1113	1314	1487	1113	1604	1816	1212	1414	1587	1212	1725	1936
10 X 1.25	914	1093	1271	914	1064	1250	1432	1064	1525	1748	1163	1349	1531	1163	1646	1868

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-529, IS-6175-III																
3 X 0.35	885	1051	1247	885	981	1152	1354	981			1036	1208	1407	1036		
4 X 0.5	944	1232	1661	944	1042	1340	1780	1042			1098	1394	1835	1098		
4 X .75	782	1051	1246	782	874	1152	1352	874			929	1208	1406	929		
5 X .5/.75	899	1092	1281	899	995	1194	1388	995	1457	1694	1048	1249	1444	1048	1526	1762
6 X .5	941	1193	1372	941	1039	1297	1481	1039	1582	1809	1095	1352	1536	1095	1649	1876
6 X .75	941	1193	1431	941	1039	1297	1543	1039	1582	1882	1095	1352	1597	1095	1649	1950
7 X .75	1003	1342	1418	1003	1128	1477	1556	1128	1802	1898	1205	1554	1632	1205	1896	1992
8 X .5/.75	1064	1408	1527	1064	1191	1545	1668	1191	1886	2035	1267	1621	1744	1267	1978	2128
8 X 1.0	868	1073	1224	868	990	1201	1356	990	1467	1653	1066	1279	1432	1066	1559	1746
9 X 1.0	1061	1338	1523	1061	1216	1502	1694	1216	1832	2065	1314	1601	1791	1314	1953	2186
10 X 1.0	1061	1338	1523	1061	1216	1502	1694	1216	1832	2065	1314	1601	1791	1314	1953	2186
10 X 1.25	982	1256	1459	982	1135	1418	1626	1135	1731	1985	1234	1518	1725	1234	1852	2105
11 X 1.0	1638	2081	2393	1638	1841	2297	2619	1841	2802	3195	1964	2419	2740	1964	2951	3344
12 X 1.50	1449	1678	1982	1449	1646	1882	2194	1646	2295	2678	1770	2003	2317	1770	2445	2827
12 X 1.0/1.25	1449	1678	2057	1449	1646	1882	2273	1646	2295	2773	1770	2003	2396	1770	2445	2922
14 X 1.0	1976	2371	2881	1976	2244	2649	3177	2244	3232	3876	2413	2819	3345	2413	3438	4080
14 X 1.25	2015	2242	2634	2015	2286	2519	2922	2286	3073	3564	2453	2685	3089	2453	3276	3769
14 X 1.50	1812	2204	2602	1812	2076	2480	2890	2076	3027	3526	2244	2647	3057	2244	3230	3730
16 X 1.0	2027	2415	2931	2027	2307	2705	3238	2307	3302	3951	2482	2881	3413	2482	3515	4163
16 X 1.50	1812	2204	2602	1812	2087	2490	2900	2087	3037	3538	2263	2667	3076	2263	3253	3753
18 X 1.0/2.0	3358	4850	5122	3358	3769	5305	5587	3769			4015	5554	5835	4015		
18 X 1.5	3482	4006	4575	3482	3896	4436	5021	3896			4145	4683	5269	4145		
20 X 1.0/2.0	4230	5991	7289	4230	4774	6588	7924	4774			5107	6920	8257	5107		
20 X 1.5	4474	5469	5917	4474	5025	6049	6511	5025			5357	6383	6843	5357		
22 X 1.0/2.0	5114	6835	7979	5114	5754	7528	8708	5754			6145	7920	9098	6145		
22 X 1.5	4736	6207	7605	4736	5367	6882	8320	5367			5756	7271	8712	5756		
24 X 1.0/2.0	5264	6771	8773	5264	5910	7462	9523	5910			6302	7853	9914	6302		
24 X 1.5	5264	6771	8086	5264	5910	7462	8816	5910			6302	7853	9207	6302		
25 X 1.0/2.0	5684	8241	10177	5684	6342	8977	10970	6342			6734	9368	11359	6734		
25 X 1.5	5587	8241	10177	5587	6243	8977	10970	6243			6634	9368	11359	6634		
26 X 1.0	7236	9194	11958	7236	7941	9958	12806	7941			8332	10347	13195	8332		
27 X 1.0/2.0	7988	9768	12426	7988	8715	10548	13288	8715			9105	10939	13678	9105		
27 X 1.5	7886	9768	12299	7886	8610	10548	13155	8610			9001	10939	13546	9001		
30 X 1.0/2.0	8729	12662	13612	8729	9672	13725	14703	9672			10218	14270	15249	10218		
30 X 1.5	8729	11143	13612	8729	9672	12160	14703	9672			10218	12706	15249	10218		
33 X 1.0/2.0	11769	13535	15921	11769	12804	14622	17081	12804			13349	15168	17628	13349		
33 X 1.5	11747	13508	16620	11747	12781	14596	17801	12781			13325	15139	18347	13325		
36 X 1.0/2.0	15159	16575	23055	15159	16634	18093	24767	16634			17450	18909	25584	17450		
36 X 1.5	15159	16575	23055	15159	16634	18093	24767	16634			17450	18909	25584	17450		

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	1530	1709	2233	1530	1645	1829	2368	1645	2231	2890	1700	1884	2425	1700	2297	2958
5 X .5/.75	1113	1355	1624	1113	1215	1463	1743	1215	1786	2127	1270	1519	1797	1270	1854	2193
6 X .5	1166	1476	1771	1166	1271	1590	1893	1271	1938	2310	1326	1644	1949	1326	2006	2378
6 X .75	1166	1476	1921	1166	1271	1590	2047	1271	1938	2498	1326	1644	2103	1326	2006	2567
7 X .75	1244	1661	1746	1244	1377	1806	1894	1377	2203	2312	1453	1882	1971	1453	2295	2404
8 X .5/.75	1253	1742	2038	1253	1386	1890	2194	1386	2307	2677	1462	1966	2271	1462	2399	2771
8 X 1.0	1080	1439	1606	1080	1207	1578	1749	1207	1926	2136	1283	1654	1827	1283	2020	2228
9 X 1.0	1460	1621	2001	1460	1627	1792	2185	1627	2187	2665	1725	1892	2283	1725	2308	2787
10 X 1.0	1460	1621	2001	1460	1627	1792	2185	1627	2187	2665	1725	1892	2283	1725	2308	2787
10 X 1.25	1321	1496	1909	1321	1484	1665	2089	1484	2031	2549	1582	1763	2190	1582	2153	2670
11 X 1.0	1983	2332	2948	1983	2195	2554	3190	2195	3116	3892	2318	2677	3313	2318	3265	4042
12 X 1.50	1896	2230	2545	1896	2107	2450	2774	2107	2989	3386	2230	2573	2897	2230	3138	3534
12 X 1.0/1.25	1931	2381	2571	1931	2142	2605	2801	2142	3178	3417	2264	2726	2923	2264	3327	3567
14 X 1.0	2546	3030	3531	2546	2830	3331	3846	2830	4062	4693	2998	3497	4013	2998	4266	4897
14 X 1.25	2589	3056	3531	2589	2875	3358	3846	2875	4094	4693	3042	3525	4013	3042	4298	4897
14 X 1.50	2538	2873	3198	2538	2823	3169	3502	2823	3865	4274	2992	3336	3671	2992	4071	4479
16 X 1.0	2956	3399	3911	2956	3263	3720	4248	3263	4538	5182	3439	3894	4422	3439	4751	5397
16 X 1.50	2476	3001	3561	2476	2770	3309	3888	2770	4038	4743	2945	3485	4064	2945	4253	4958
18 X 1.0/2.0	4282	5872	6321	4282	4720	6357	6820	4720			4969	6606	7069	4969		
18 X 1.5	4326	5322	5889	4326	4766	5792	6376	4766			5013	6040	6625	5013		
20 X 1.0/2.0	6020	7627	8588	6020	6616	8272	9262	6616			6949	8605	9594	6949		
20 X 1.5	6020	7627	8540	6020	6616	8272	9210	6616			6949	8605	9542	6949		
22 X 1.0/2.0	6156	8275	9336	6156	6830	9010	10106	6830			7221	9402	10494	7221		
22 X 1.5	6156	7711	10632	6156	6830	8430	11438	6830			7221	8820	11829	7221		
24 X 1.0/2.0	7037	9234	10486	7037	7736	10001	11289	7736			8127	10390	11679	8127		
24 X 1.5	6650	8965	10678	6650	7338	9722	11487	7338			7727	10112	11878	7727		
25 X 1.0/2.0	8032	9976	12538	8032	8761	10763	13401	8761			9154	11155	13792	9154		
25 X 1.5	8072	9976	12538	8072	8801	10763	13401	8801			9193	11155	13792	9193		
26 X 1.0	9831	11129	14731	9831	10614	11951	15662	10614			11005	12342	16053	11005		
27 X 1.0/2.0	10343	11825	15310	10343	11141	12669	16257	11141			11532	13058	16648	11532		
27 X 1.5	10355	11825	15151	10355	11155	12669	16095	11155			11544	13058	16485	11544		
30 X 1.0/2.0	11173	15328	16770	11173	12191	16470	17956	12191			12735	17015	18500	12735		
30 X 1.5	11215	13489	17141	11215	12233	14576	18337	12233			12780	15122	18882	12780		
33 X 1.0/2.0	13568	15976	18722	13568	14656	17136	19964	14656			15201	17684	20511	15201		
33 X 1.5	14940	17181	20950	14940	16068	18378	22260	16068			16615	18923	22805	16615		
36 X 1.5	19748	22141	28403	19748	21361	23827	30275	21361			22178	24642	31092	22178		
36 X 1.0/2.0	19748	22141	28403	19748	21361	23827	30275	21361			22178	24642	31092	22178		

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	1133	1478	1990	1133	1239	1594	2121	1239			1297	1654	2181	1297		
5 X .5/.75	1076	1310	1536	1076	1180	1420	1655	1180			1241	1480	1713	1241		
6 X .5	1129	1430	1644	1129	1234	1544	1764	1234	1884	2155	1293	1603	1825	1293	1957	2226
6 X .75	1129	1430	1714	1129	1234	1544	1837	1234	1884	2243	1293	1603	1897	1293	1957	2314
7 X .75	1236	1655	1748	1236	1363	1788	1886	1363	2181	2299	1446	1872	1968	1446	2283	2402
8 X .5/.75	1311	1735	1883	1311	1438	1872	2020	1438	2283	2467	1523	1955	2103	1523	2385	2567
8 X 1.0	1071	1323	1508	1071	1194	1453	1641	1194	1772	2001	1277	1536	1724	1277	1874	2102
9 X 1.0	1382	1756	1863	1382	1541	1921	2033	1541	2345	2480	1648	2029	2140	1648	2476	2611
10 X 1.0	1295	1634	1860	1295	1452	1798	2028	1452	2192	2473	1560	1906	2137	1560	2323	2603
10 X 1.25	1199	1534	1779	1199	1355	1697	1946	1355	2070	2375	1461	1803	2054	1461	2200	2507
11 X 1.0	2038	2589	2977	2038	2203	2753	3142	2203	3359	3833	2334	2885	3273	2334	3519	3993
12 X 1.50	1803	2087	2466	1803	1968	2251	2629	1968	2747	3208	2099	2384	2762	2099	2908	3369
12 X 1.0/1.25	1803	2087	2558	1803	1968	2251	2723	1968	2747	3323	2099	2384	2856	2099	2908	3485
14 X 1.0	2434	2919	3549	2434	2659	3144	3772	2659	3835	4602	2836	3322	3952	2836	4053	4821
14 X 1.25	2484	2763	3243	2484	2709	2985	3468	2709	3642	4230	2886	3162	3646	2886	3860	4447
14 X 1.50	2233	2763	3207	2233	2457	2985	3430	2457	3642	4184	2635	3162	3609	2635	3860	4402
16 X 1.0	2498	2973	3610	2498	2722	3198	3834	2722	3901	4679	2900	3375	4013	2900	4120	4896
16 X 1.50	2233	2716	3207	2233	2469	2951	3442	2469	3600	4198	2657	3137	3628	2657	3829	4427
18 X 1.0/2.0	4136	5976	6312	4136	4468	6306	6642	4468			4731	6571	6909	4731		
18 X 1.5	4289	4933	5634	4289	4620	5264	5966	4620			4886	5531	6233	4886		
20 X 1.0/2.0	5212	7380	8980	5212	5657	7825	9424	5657			6011	8181	9779	6011		
20 X 1.5	5512	6737	7289	5512	5955	7183	7734	5955			6312	7538	8089	6312		
22 X 1.0/2.0	6300	8421	9832	6300	6820	8942	10354	6820			7238	9360	10771	7238		
22 X 1.5	5834	7853	9369	5834	6356	8373	9892	6356			6773	8790	10308	6773		
24 X 1.0/2.0	6485	8342	10809	6485	7007	8864	11329	7007			7424	9280	11746	7424		
24 X 1.5	6485	8342	9962	6485	7007	8864	10482	7007			7424	9280	10900	7424		
25 X 1.0/2.0	7509	10154	12538	7509	8032	10677	13058	8032			8449	11093	13475	8449		
25 X 1.5	6883	10154	12538	6883	7406	10677	13058	7406			7821	11093	13475	7821		
26 X 1.0	8916	11326	14732	8916	9436	11848	15253	9436			9853	12264	15671	9853		
27 X 1.0/2.0	9840	12033	15311	9840	10360	12556	15832	10360			10778	12972	16250	10778		
27 X 1.5	9716	12033	15151	9716	10237	12556	15672	10237			10653	12972	16089	10653		
30 X 1.0/2.0	10752	15601	16771	10752	11480	16330	17499	11480			12065	16912	18080	12065		
30 X 1.5	10752	13728	16771	10752	11480	14456	17499	11480			12065	15040	18080	12065		
33 X 1.0/2.0	14498	16675	19616	14498	15227	17402	20343	15227			15811	17985	20927	15811		
33 X 1.5	14471	16643	20477	14471	15201	17371	21205	15201			15783	17952	21787	15783		
36 X 1.5	18675	20420	28403	18675	19765	21510	29494	19765			20637	22382	30364	20637		
36 X 1.0/2.0	18675	20420	28403	18675	19765	21510	29494	19765			20637	22382	30364	20637		

VX (Series)
NEW

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	760	931	1070	760	853	1028	1172	853			907	1082	1226	907		
No. 4 - 40	639	811	933	639	725	905	1030	725	1103	1256	781	960	1085	781	1171	1324
No. 6 - 32	551	694	761	551	638	783	854	638	957	1042	692	838	908	692	1023	1110
No. 8 - 32	553	673	761	553	640	761	854	640	930	1042	694	816	908	694	997	1110
No. 10 - 24	551	680	761	551	638	771	854	638	939	1042	692	826	908	692	1007	1110
1/4" - 20	573	687	790	573	659	778	884	659	948	1077	714	832	939	714	1016	1146
5/16" - 18	630	787	872	630	745	906	994	745	1106	1212	821	983	1070	821	1199	1306
3/8" - 16	794	958	1091	794	942	1112	1248	942	1355	1523	1042	1211	1347	1042	1478	1644
7/16" - 14	1066	1237	1407	1066	1252	1428	1602	1252	1742	1954	1375	1550	1724	1375	1891	2104
1/2" - 13	1292	1524	1783	1292	1484	1723	1990	1484	2103	2427	1606	1847	2110	1606	2253	2577
5/8" - 11	1862	2305	2830	1862	2137	2594	3134	2137	3163	3823	2312	2769	3308	2312	3378	4037
3/4" - 10	2903	3494	3674	2903	3397	4005	4441	3397			3722	4329	4788	3722		
7/8" - 9	3971	5206	6390	3971	4578	5851	7072	4578			4969	6240	7462	4969		
1" - 8	5518	6898	8021	5518	6171	7593	8750	6171			6562	7984	9141	6562		
1.1/8" - 7	9212	10369	13478	9212	10508	11979	15273	10508			11325	13278	16663	11325		
1.1/4" - 7	8811	12623	16407	8811	10621	14856	18885	10621			12166	16711	20871	12166		
1.3/8" - 6	11364	17561	22834	11364	13848	20661	26270	13848			15993	23235	29023	15993		
1.1/2" - 6	13648	20619	26809	13648	17118	24913	31541	17118			20179	28584	35470	20179		
1.5/8" -	16012	24038	31245	16012	20357	29394	37147	20357			24221	34032	42107	24221		
1.3/4" - 5	19323	32373	42087	19323	23768	37983	48312	23768			27632	42619	53273	27632		
2" - 4.5	26848			26848	31620			31620			35588			35588		
ISO 2283 IS-6175-IV (IS-7821) UNIFIED COARSE (UNC)																
No. 10 - 24	886	1114	1328	886	983	1216	1437	983	1483	1754	1038	1271	1493	1038	1551	1820
1/4" - 20	956	1165	1267	956	1055	1270	1374	1055	1550	1675	1110	1326	1428	1110	1616	1743
5/16" - 18	1034	1266	1296	1034	1160	1399	1430	1160	1708	1743	1237	1475	1506	1237	1800	1836
3/8" - 16	1350	1606	1754	1350	1516	1778	1930	1516	2169	2356	1614	1876	2031	1614	2290	2477
7/16" - 14	1629	1894	2390	1629	1831	2105	2616	1831	2568	3190	1954	2228	2738	1954	2718	3339
1/2" - 13	1911	2255	3569	1911	2121	2475	3830	2121	3020	4670	2244	2598	3953	2244	3168	4820
5/8" - 11	2785	3512	3969	2785	3088	3838	4308	3088			3263	4012	4484	3263		
3/4" - 10	5584	6420	7956	5584	6157	7018	8601	6157			6482	7344	8926	6482		
7/8" - 9	6432	7576	9089	6432	7114	8292	9851	7114			7504	8682	10242	7504		
1" - 8	9244	11713	13971	9244	10008	12553	14878	10008			10401	12943	15269	10401		
DIN-371 UNIFIED COARSE (UNC)																
No. 2 - 56	840	1025	1181	840	936	1129	1289	936			995	1189	1347	995		
No. 4 - 40	704	894	1028	704	797	993	1131	797	1214	1380	856	1053	1191	856	1284	1453
No. 6 - 32	607	764	841	607	699	861	938	699	1048	1145	759	918	996	759	1120	1216
No. 8 - 32	610	741	841	610	702	835	938	702	1020	1145	761	896	996	761	1092	1216
No. 10 - 24	607	750	841	607	699	846	938	699	1032	1145	759	905	996	759	1103	1216
1/4" - 20	632	759	870	632	724	854	970	724	1041	1184	783	913	1029	783	1114	1256
5/16" - 18	714	891	989	714	824	1003	1101	824	1224	1343	906	1085	1183	906	1325	1443
3/8" - 16	892	1075	1226	892	1033	1218	1370	1033	1486	1670	1138	1324	1476	1138	1615	1799

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	807	1014	1209	807	903	1116	1318	903	1360	1606	964	1174	1376	964	1433	1679
1/4" - 20	869	1061	1153	869	969	1165	1258	969	1420	1535	1028	1222	1318	1028	1494	1608
5/16" - 18	968	1184	1213	968	1079	1297	1326	1079	1584	1618	1161	1381	1409	1161	1682	1718
3/8" - 16	1252	1488	1626	1252	1396	1634	1773	1396	1994	2162	1502	1739	1879	1502	2123	2292
7/16" - 14	1539	1788	2256	1539	1703	1954	2420	1703	2384	2954	1835	2085	2553	1835	2543	3116
1/2" - 13	1804	2127	3368	1804	1969	2293	3533	1969	2798	4311	2101	2426	3665	2101	2957	4473
5/8" - 11	2604	3285	3711	2604	2838	3519	3945	2838			3026	3707	4133	3026		
3/4" - 10	5222	6003	7439	5222	5655	6437	7873	5655			6002	6783	8219	6002		
7/8" - 9	6015	7084	8499	6015	6536	7605	9020	6536			6953	8021	9436	6953		
1" - 8	8643	10952	13063	8643	9163	11473	13585	9163			9582	11890	14001	9582		
IS-6175-I,II,III, BS-949 & ISO 529 UNIFIED FINE (UNF)																
No. 2 - 64	760	951	1092	760	853	1047	1194	853			907	1102	1249	907		
No. 4 - 48	639	811	933	639	725	905	1030	725	1103	1256	781	960	1085	781	1171	1324
No. 6 - 40	551	694	761	551	638	783	854	638	957	1042	692	838	908	692	1023	1110
No. 8 - 36	553	673	761	553	640	761	854	640	930	1042	694	816	908	694	997	1110
No. 10 - 32	551	680	761	551	638	771	854	638	939	1042	692	826	908	692	1007	1110
1/4" - 28	573	687	790	573	659	778	884	659	948	1077	714	832	939	714	1016	1146
5/16" - 24	630	787	872	630	745	906	994	745	1106	1212	821	983	1070	821	1199	1306
3/8" - 24	830	958	1091	830	979	1112	1248	979	1355	1523	1078	1211	1347	1078	1478	1644
7/16" - 20	1066	1237	1407	1066	1252	1428	1602	1252	1742	1954	1375	1550	1724	1375	1891	2104
1/2" - 20	1292	1580	1783	1292	1484	1781	1990	1484	2173	2427	1606	1903	2110	1606	2322	2577
5/8" - 18	1862	2305	2830	1862	2137	2594	3134	2137	3163	3823	2312	2769	3308	2312	3378	4037
3/4" - 10	2903	3494	3674	2903	3397	4005	4441	3397			3722	4329	4788	3722		
7/8" - 14	3971	5206	6390	3971	4578	5851	7072	4578			4969	6240	7462	4969		
1" - 12	5518	6898	8021	5518	6171	7593	8750	6171			6562	7984	9141	6562		
1.1/8" - 12	9212	10369	13478	9212	10508	11979	15273	10508			11325	13278	16663	11325		
1.1/4" - 12	8811	12623	16407	8811	10621	14856	18885	10621			12166	16711	20871	12166		
1.3/8" - 12	11364	17561	22834	11364	13848	20661	26270	13848			15993	23235	29023	15993		
1.1/2" - 12	13648	20619	26809	13648	17118	24913	31541	17118			20179	28584	35470	20179		
1.5/8"	16012	24038	31245	16012	20357	29394	37147	20357			24221	34032	42107	24221		
1.3/4"	19323	32373	42087	19323	23768	37983	48312	23768			27632	42619	53273	27632		
2"	26848			26848	31620			31620			35588			35588		

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	886	1114	1328	886	983	1216	1437	983	1483	1754	1038	1271	1493	1038	1551	1820
1/4" - 28	956	1165	1267	956	1055	1270	1374	1055	1550	1675	1110	1326	1428	1110	1616	1743
5/16" - 24	1034	1266	1296	1034	1160	1399	1430	1160	1708	1743	1237	1475	1506	1237	1800	1836
3/8" - 24	1350	1606	1754	1350	1516	1778	1930	1516	2169	2356	1614	1876	2031	1614	2290	2477
7/16" - 20	1629	1894	2652	1629	1831	2105	2885	1831	2568	3519	1954	2228	3008	1954	2718	3669
1/2" - 20	1911	2255	3569	1911	2121	2475	3830	2121	3020	4670	2244	2598	3953	2244	3168	4820
5/8" - 18	2785	3512	3969	2785	3088	3838	4308	3088	4682	5255	3263	4012	4484	3263	4896	5470
3/4" - 16	5584	6420	7956	5584	6157	7018	8601	6157			6482	7344	8926	6482		
7/8" - 14	6432	7576	9089	6432	7114	8292	9851	7114			7504	8682	10242	7504		
1" - 12	9244	11713	13971	9244	10008	12553	14878	10008			10401	12943	15269	10401		

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	807	1014	1209	807	903	1116	1318	903	1360	1606	964	1174	1376	964	1433	1679
1/4" - 28	869	1061	1153	869	969	1165	1258	969	1420	1535	1028	1222	1318	1028	1494	1608
5/16" - 24	968	1184	1213	968	1079	1297	1326	1079	1584	1618	1161	1381	1409	1161	1682	1718
3/8" - 24	1252	1488	1626	1252	1396	1634	1773	1396	1994	2162	1502	1739	1879	1502	2123	2292
7/16" - 20	1539	1788	2504	1539	1703	1954	2669	1703	2384	3256	1835	2085	2801	1835	2543	3415
1/2" - 20	1804	2127	3368	1804	1969	2293	3533	1969	2798	4311	2101	2426	3665	2101	2957	4473
5/8" - 18	2604	3285	3711	2604	2838	3519	3945	2838	4292	4814	3026	3707	4133	3026	4522	5041
3/4" - 16	5222	6003	7439	5222	5655	6437	7873	5655			6002	6783	8219	6002		
7/8" - 14	6015	7084	8499	6015	6536	7605	9020	6536			6953	8021	9436	6953		
1" - 12	8643	10952	13063	8643	9163	11473	13585	9163			9582	11890	14001	9582		
IS-6175-I,II,III, BS-949 & ISO 529 British Standard Whitworth (BSW)																
1/8" - 40	551	754	866	551	638	846	962	638	1031	1173	692	902	1018	692	1099	1242
5/32" - 32	553	721	807	553	640	812	901	640	991	1098	694	866	957	694	1058	1167
1/4" - 20	579	685	790	579	666	776	884	666	945	1077	720	830	939	720	1011	1146
5/16" - 18	701	818	976	701	817	938	1100	817	1144	1343	894	1015	1176	894	1239	1435
3/8" - 16	902	969	1196	902	1054	1121	1355	1054	1368	1653	1153	1221	1453	1153	1489	1773
7/16" - 14	1150	1386	1665	1150	1338	1580	1868	1338	1928	2279	1461	1703	1991	1461	2079	2428
1/2" - 12	1426	1594	1810	1426	1623	1795	2017	1623	2190	2462	1744	1918	2140	1744	2338	2611
5/8" - 11	1934	2305	2830	1934	2212	2594	3134	2212	3163	3823	2387	2769	3308	2387	3378	4037
3/4" - 10	3561	4095	4686	3561	4075	4625	5233	4075			4400	4951	5559	4400		
7/8" - 9	4346	5598	7477	4346	4965	6253	8190	4965			5356	6643	8578	5356		
1" - 8	6346	8695	10889	6346	7024	9445	11704	7024			7416	9834	12094	7416		
ISO 2283 IS-6175-IV (IS-7821) British Standard Whitworth (BSW)																
1/4" - 20	966	1217	1458	966	1064	1322	1571	1064	1613	1917	1118	1379	1627	1118	1682	1985
5/16" - 18	1034	1266	1459	1034	1160	1399	1598	1160	1708	1952	1237	1475	1675	1237	1800	2045
3/8" - 16	1394	1606	1927	1394	1560	1778	2108	1560	2169	2573	1660	1876	2208	1660	2290	2695
7/16" - 14	1792	2084	2398	1792	1999	2300	2622	1999	2805	3199	2121	2423	2743	2121	2955	3349
1/2" - 12	2057	2573	3616	2057	2273	2803	3879	2273	3420	4731	2396	2925	3999	2396	3569	4880
5/8" - 11	2785	3458	4052	2785	3088	3782	4395	3088	4613	5360	3263	3958	4568	3263	4827	5574
3/4" - 10	6069	6979	8308	6069	6657	7595	8964	6657			6982	7920	9287	6982		
7/8" - 9	6674	7609	9981	6674	7363	8324	10768	7363			7753	8716	11159	7753		
1" - 8	9244	11713	15273	9244	10008	12553	16218	10008			10401	12943	16610	10401		

VX (Series)
NEW

HSSE

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	607	831	956	607	699	929	1056	699	1132	1290	759	988	1116	759	1204	1361
5/32" - 32	610	795	889	610	702	891	989	702	1089	1206	761	950	1047	761	1160	1277
3/16" - 24	668	797	899	668	761	893	999	761	1090	1219	819	951	1059	819	1161	1291
1/4" - 20	638	756	870	638	730	850	970	730	1039	1184	789	911	1029	789	1111	1256
5/16" - 18	795	928	1106	795	904	1039	1219	904	1268	1488	987	1121	1302	987	1368	1589
3/8" - 16	1013	1087	1342	1013	1156	1231	1486	1156	1501	1814	1262	1335	1592	1262	1631	1943
DIN-374/DIN-376 British Standard Whitworth (BSW)																
1/4" - 20	903	1138	1365	903	986	1223	1451	986	1492	1771	1045	1284	1512	1045	1566	1844
5/16" - 18	968	1184	1367	968	1079	1297	1482	1079	1584	1807	1161	1381	1565	1161	1682	1907
3/8" - 16	1316	1516	1817	1316	1450	1649	1953	1450	2013	2382	1556	1755	2060	1556	2142	2511
7/16" - 14	1692	1968	2262	1692	1856	2133	2428	1856	2601	2962	1989	2264	2561	1989	2763	3122
1/2" - 12	1941	2429	3412	1941	2106	3022	3578	2106	3686	4366	2238	3153	3710	2238	3848	4527
5/8" - 11	2604	3268	3790	2604	2838	3502	4024	2838	4274	4909	3026	3690	4212	3026	4503	5139
3/4" - 10	5675	6524	7767	5675	6108	6958	8200	6108			6454	7306	8549	6454		
7/8" - 9	6240	7178	9332	6240	6763	7699	9853	6763			7179	8115	10269	7179		
1" - 8	8643	10952	14279	8643	9163	11473	14801	9163			9582	11890	15217	9582		
IS-6175-I,II,III, BS-949 & ISO 529 British Standard Fine (BSF)																
1/4" - 26	579	685	790	579	666	776	884	666	945	1077	720	830	939	720	1011	1146
5/16" - 22	701	818	976	701	817	938	1100	817	1144	1343	894	1015	1176	894	1239	1435
3/8" - 20	902	969	1196	902	1054	1121	1355	1054	1368	1653	1153	1221	1453	1153	1489	1773
7/16" - 18	1150	1386	1665	1150	1338	1580	1868	1338	1928	2279	1461	1703	1991	1461	2079	2428
1/2" - 16	1426	1594	1810	1426	1623	1795	2017	1623	2190	2462	1744	1918	2140	1744	2338	2611
5/8" - 14	1934	2305	2830	1934	2212	2594	3134	2212	3163	3823	2387	2769	3308	2387	3378	4037
3/4" - 12	3561	4095	4686	3561	4075	4625	5233	4075			4400	4951	5559	4400		
7/8" - 11	4346	5598	7477	4346	4965	6253	8190	4965			5356	6643	8578	5356		
1" - 10	6346	8695	10889	6346	7024	9445	11704	7024			7416	9834	12094	7416		
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	966	1217	1458	966	1064	1322	1571	1064	1613	1917	1118	1379	1627	1118	1682	1985
5/16" - 22	1034	1266	1459	1034	1160	1399	1598	1160	1708	1952	1237	1475	1675	1237	1800	2045
3/8" - 20	1394	1606	1927	1394	1560	1778	2108	1560	2169	2573	1660	1876	2208	1660	2290	2695
7/16" - 18	1792	2084	2438	1792	1999	2300	2665	1999	2805	3251	2121	2423	2789	2121	2955	3399
1/2" - 16	2057	2573	3616	2057	2273	2803	3879	2273	3420	4731	2396	2925	3999	2396	3569	4880
5/8" - 14	2785	3458	4052	2785	3088	3782	4395	3088	4613	5360	3263	3958	4568	3263	4827	5574
3/4" - 12	6069	6979	8308	6069	6657	7595	8964	6657			6982	7920	9287	6982		
7/8" - 11	6674	7676	9981	6674	7363	8395	10768	7363			7753	8785	11159	7753		
1" - 10	9244	11713	15273	9244	10008	12553	16218	10008			10401	12943	16610	10401		
DIN-374/DIN - 376 British Standard Fine (BSF)																
5/16" - 22	968	1184	1367	968	1079	1297	1482	1079	1584	1807	1161	1381	1565	1161	1682	1907
3/8" - 20	1291	1488	1785	1291	1437	1634	1935	1437	1994	2360	1542	1739	2042	1542	2123	2489
7/16" - 18	1692	1968	2303	1692	1856	2133	2467	1856	2601	3010	1989	2264	2599	1989	2763	3169
1/2" - 16	1941	2429	3412	1941	2106	2636	3578	2106	3216	4366	2238	2861	3710	2238	3490	4527
5/8" - 14	2604	3268	3790	2604	2838	3502	4024	2838	4274	4909	3026	3690	4212	3026	4503	5139
3/4" - 12	5675	6524	7767	5675	6108	6958	8200	6108			6454	7306	8549	6454		
7/8" - 11	6240	7178	9332	6240	6763	7699	9853	6763			7179	8115	10269	7179		
1" - 10	8643	10952	14279	8643	9163	11473	14801	9163			9582	11890	15217	9582		

HSSE

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	919	1166	2833	2250	1345	1603	3314	2569	1742	2003	3717	
1/4" - 19	1456	2123	4399	3573	2035	2737	5060	4017	2571	3291	5598	
3/8" - 19	2280	2881	6887	5552	3155	3774	7896	6215	3965	4583	8706	
1/2" - 14	3339	4183	10143	8744	4778	5644	11774	9828	6120	6985	13113	
5/8" - 14	3524				5838				8052			
3/4" - 14	4971	6506	15067		7182	8754	17566		9249	10819	19631	
7/8"	6197				8744				11114			
1" - 11	7826	10212			10428	12882			12807	15260		

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	1138		3170		1572		3636		1977		4010	
1/8" - 27	1305	1068	3748	2671	1748	1507	4233	3154	2155	1914	4611	3562
1/4" - 18	2274	1882	6657	4702	2886	2478	7353	5382	3433	3023	7856	5925
3/8" - 18	3075	2456	9020	6142	3990	3354	10046	7139	4816	4182	10816	7963
1/2" - 14	4420	3772	12934	9428	5891	5222	14549	11038	7238	6561	15793	
3/4" - 14	6617	5264	19147	13162	8874	7480	21614	15604	10944	9547	23536	17671
1" - 11.5	10501	8866			13176	11494			15547	13869		

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"	1078	1240	1349	1551	1509	1810	1630	2041	2345
1/4"	1692	1946	2115	2433	2369	2844	2816	3520	4049
3/8"	2673	3075	3340	3842	3741	4491	3843	4804	5525
1/2"	3840	4418	4803	5523	5376	6454	5525	6904	7941
3/4"	5716	6576	7146	8218	8004	9603	8272	10339	11890
1" -	9001	10350	11250	12937	12600	15121	13126	16410	18870

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"	1458	1622	1734	1943	1901	2210	2095	2515	2830
1/4"	2199	2459	2633	2961	2895	3383	3448	4172	4714
3/8"	3438	3851	4127	4641	4537	5308	4780	5767	6507
1/2"	5068	5661	6056	6796	6647	7753	7023	8443	9509
3/4"	7602	8484	9073	10176	9954	11602	10574	12701	14297
1" -	11238	12627	13554	15290	14943	17535	15878	19254	21787

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	875	1002	1127
3.5 X 0.6	875	1002	1127
4 X 0.7	875	1002	1127
5 X 0.8	913	1041	1165
6 X 1.0	913	1041	1165
7 X 1.0	1033	1220	1405
8 X 1.25	1033	1220	1405
9 X 1.25	1278	1530	1782
10 X 1.50	1278	1530	1782
12 X 1.75	1957	2268	2581
14 X 2.00	2891	3313	3735
16 X 2.00	2891	3335	3778
METRIC FINE			
5 X 0.5	1096	1249	1397
7 X 0.75	1226	1448	1668
8 X 1.0	1226	1448	1668
10 X 1.0	1455	1745	2031
10 X 1.25	1455	1745	2031
11 X 1.50	2250	2608	2967
12 X 1.25	2250	2608	2967
12 X 1.50	2250	2608	2967
14 X 1.50	3325	3810	4293
16 X 1.50	3325	3834	4344
FRACTIONAL SIZES (UNC/UNF/BSW/BSF)			
1/4"	1096	1249	1397
5/16"	1229	1448	1668
3/8"	1534	1835	2140
7/16"	2350	2721	3097
1/2"	3516	4027	4539
9/16"	3470	4002	4534
5/8"	3615	4169	4721

1. SPECIAL TOLERANCE : 10% extra.

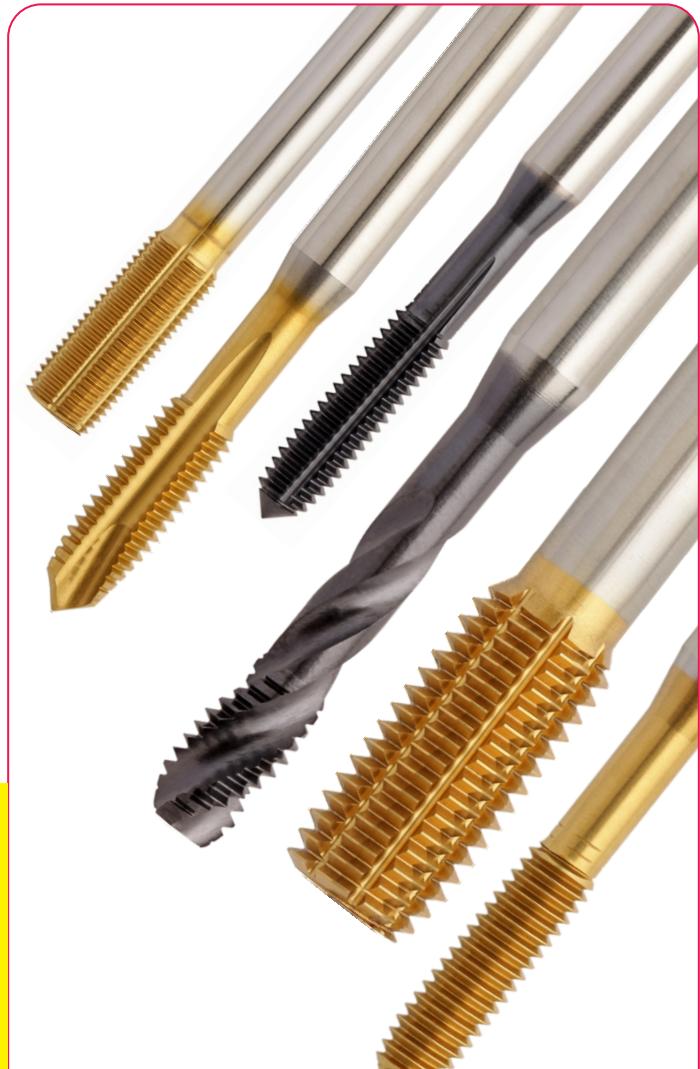
Notes : We can also give the above Sizes in 8% Cobalt at 20% extra.



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	2350	2446	2590	2686
4 X 0.7	2350	2446	2590	2686
5 X 0.8	2350	2446	2590	2686
6 X 1.0	2350	2446	2590	2686
8 X 1.25	2763	2936	2892	3066
10 X 1.50	3379	3676	3535	3831
12 X 1.75	5519	5964	6019	6464
14 X 2.00	7662	8264	8481	9085
16 X 2.00	8122	8827	9164	9870

**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.

**EMKAY TOOLS**