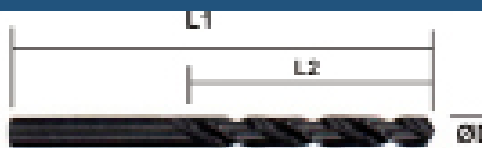


Series
000

ดอกสว่านเจาะเหล็กไฮสปีด **mm**

Jobber drills
(Straight shank, right hand, HSS)
BS 328 DIN 338 ISO 235



Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
10011	0.30	4	19	10
10013	0.35	4	19	10
10014	0.38	4	19	10
10015	0.40	5	20	10
10017	0.45	5	20	10
10019	0.50	6	22	10
10020	0.52	6	22	10
10021	0.55	7	24	10
10022	0.58	7	24	10
10023	0.60	7	24	10
10024	0.62	8	26	10
10025	0.65	8	26	10
10026	0.68	8	26	10
10027	0.70	9	28	10
10029	0.75	9	28	10
10030	0.78	10	30	10
10031	0.80	10	30	10
10033	0.85	10	30	10
10034	0.88	11	32	10
10035	0.90	11	32	10
10036	0.92	11	32	10
10037	0.95	11	32	10
10038	0.98	11	32	10
10039	1.00	12	34	10
10041	1.05	12	34	10
10043	1.10	14	36	10
10045	1.15	14	36	10
10047	1.20	16	38	10
10049	1.25	16	38	10
10051	1.30	16	38	10
10054	1.35	16	38	10
10055	1.40	18	40	10
10057	1.45	18	40	10
10058	1.50	18	40	10
10061	1.55	20	43	10
10063	1.60	20	43	10
10066	1.65	20	43	10
10067	1.70	20	43	10
10069	1.75	22	46	10
10071	1.80	22	46	10
10073	1.85	22	46	10
10075	1.90	22	46	10
10077	1.95	24	49	10
10079	2.00	24	49	10
10081	2.05	24	49	10
10083	2.10	24	49	10
10085	2.15	27	53	10
10087	2.20	27	53	10
10089	2.25	27	53	10
10090	2.30	27	53	10
10092	2.35	27	53	10
10094	2.40	30	57	10
10097	2.45	30	57	10
10098	2.50	30	57	10

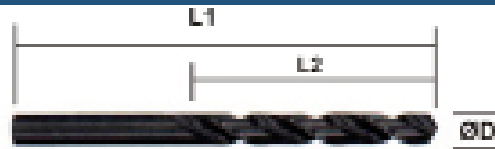
Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
10100	2.55	30	57	10
10102	2.60	30	57	10
10104	2.65	30	57	10
10106	2.70	33	61	10
10108	2.75	33	61	10
10110	2.80	33	61	10
10113	2.85	33	61	10
10114	2.90	33	61	10
10116	2.95	33	61	10
10117	3.00	33	61	10
10120	3.05	36	65	10
10122	3.10	36	65	10
10124	3.15	36	65	10
10127	3.20	36	65	10
10128	3.25	36	65	10
10130	3.30	36	65	10
10134	3.40	39	70	10
10135	3.45	39	70	10
10137	3.50	39	70	10
10139	3.55	39	70	10
10142	3.60	39	70	10
10143	3.65	39	70	10
10146	3.70	39	70	10
10147	3.75	39	70	10
10150	3.80	43	75	10
10151	3.85	43	75	10
10153	3.90	43	75	10
10155	3.95	43	75	10
10158	4.00	43	75	10
10160	4.05	43	75	10
10161	4.10	43	75	10
10165	4.20	43	75	10
10167	4.25	43	75	10
10169	4.30	47	80	10
10174	4.40	47	80	10
10177	4.50	47	80	10
10179	4.55	47	80	10
10181	4.60	47	80	10
10185	4.70	47	80	10
10187	4.75	47	80	10
10190	4.80	52	86	10
10191	4.85	52	86	10
10193	4.90	52	86	10
10195	4.95	52	86	10
10197	5.00	52	86	10
10199	5.05	52	86	10
10201	5.10	52	86	10
10205	5.20	52	86	10
10207	5.25	52	86	10
10209	5.30	52	86	10
10213	5.40	57	93	10
10217	5.50	57	93	10
10221	5.60	57	93	10
10224	5.70	57	93	10



Series
000

ดอกสว่านเจาะเหล็กไฮสปีด **mm**

Jobber drills
(Straight shank, right hand, HSS)
BS 328 DIN 338 ISO235



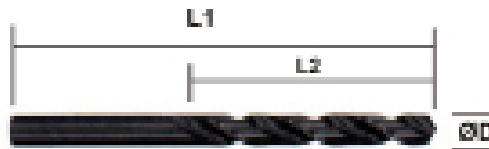
Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
10226	5.75	57	93	10
10228	5.80	57	93	10
10232	5.90	57	93	10
10236	6.00	57	93	10
10240	6.10	63	101	10
10244	6.20	63	101	10
10246	6.25	63	101	10
10248	6.30	63	101	10
10252	6.40	63	101	10
10256	6.50	63	101	10
10258	6.55	63	101	10
10260	6.60	63	101	10
10262	6.65	63	101	10
10263	6.70	63	101	10
10266	6.75	69	109	10
10268	6.80	69	109	10
10272	6.90	69	109	10
10276	7.00	69	109	10
10279	7.10	69	109	10
10284	7.20	69	109	10
10285	7.25	69	109	10
10287	7.30	69	109	10
10291	7.40	69	109	10
10295	7.50	69	109	10
10299	7.60	75	117	10
10303	7.70	75	117	10
10305	7.75	75	117	10
10307	7.80	75	117	10
10311	7.90	75	117	10
10315	8.00	75	117	10
10319	8.10	75	117	10
10322	8.20	75	117	10
10327	8.30	75	117	10
10331	8.40	75	117	10
10335	8.50	75	117	10
10338	8.60	81	125	5
10342	8.70	81	125	5
10346	8.80	81	125	5
10350	8.90	81	125	5
10354	9.00	81	125	5
10358	9.10	81	125	5
10362	9.20	81	125	5
10364	9.25	81	125	5
10366	9.30	81	125	5
10370	9.40	81	125	5
10373	9.50	81	125	5
10378	9.60	87	133	5
10382	9.70	87	133	5
10384	9.75	87	133	5
10386	9.80	87	133	5
10389	9.90	87	133	5
10394	10.00	87	133	5
10398	10.10	87	133	5
10402	10.20	87	133	5

Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
10403	10.25	87	133	5
10405	10.30	87	133	5
10409	10.40	87	133	5
10414	10.50	87	133	5
10417	10.60	87	133	5
10421	10.70	94	142	5
10424	10.75	94	142	5
10425	10.80	94	142	5
10429	10.90	94	142	5
10433	11.00	94	142	5
10437	11.10	94	142	5
10441	11.20	94	142	5
10443	11.25	94	142	5
10445	11.30	94	142	5
10449	11.40	94	142	5
10452	11.50	94	142	5
10457	11.60	94	142	5
10461	11.70	94	142	5
10465	11.80	94	142	5
10468	11.90	101	151	5
10472	12.00	101	151	5
10476	12.10	101	151	5
10480	12.20	101	151	5
10482	12.25	101	151	5
10483	12.30	101	151	5
10488	12.40	101	151	5
10492	12.50	101	151	5
10496	12.60	101	151	5
10499	12.70	101	151	5
10502	12.75	101	151	5
10504	12.80	101	151	5
10508	12.90	101	151	5
10512	13.00	101	151	5
10516	13.10	101	151	1
10520	13.20	101	151	1
10522	13.25	108	160	1
10524	13.30	108	160	1
10528	13.40	108	160	1
10532	13.50	108	160	1
10535	13.60	108	160	1
10539	13.70	108	160	1
10543	13.80	108	160	1
10547	13.90	108	160	1
10551	14.00	108	160	1
10571	14.50	114	169	1
10591	15.00	114	169	1
10610	15.50	120	178	1
10630	16.00	120	178	1
10650	16.50	125	184	1
10669	17.00	125	184	1
10689	17.50	130	191	1
10709	18.00	130	191	1
10728	18.50	135	198	1
10748	19.00	135	198	1



Series
000

ดอกสว่านเจาะเหล็กไฮสปีด **Inch**
Jobber drills
(Straight shank, right hand, HSS)
BS 328 DIN 338 ISO 235

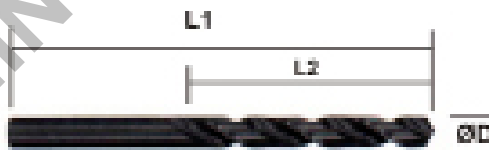


Model	d1 Inch	L2 mm.	L1 mm.	Box Qty
00015	1/64	5	19	10
00031	1/32	13	35	10
00047	3/64	19	44	10
00062	1/16	22	48	10
00078	5/64	25	51	10
00094	3/32	32	57	10
00109	7/64	38	67	10
00125	1/8	41	70	10
00140	9/64	44	73	10
00156	5/32	51	79	10
00172	11/64	54	83	10
00188	3/16	59	89	10
00203	13/64	62	92	10
00219	7/32	64	95	10
00334	15/64	67	98	10
00250	1/4	70	102	10
00265	17/64	73	105	10
00281	9/32	75	108	10

Model	d1 Inch	L2 mm.	L1 mm.	Box Qty
00297	19/64	78	111	10
00312	5/16	81	114	10
00328	21/64	84	117	10
00343	11/32	87	121	5
00359	23/64	89	124	5
00375	3/8	92	127	5
00390	25/64	95	130	5
00406	13/32	98	133	5
00422	27/64	100	137	5
00438	7/16	103	140	5
00453	29/64	106	143	5
00469	15/32	110	146	5
00484	31/64	111	149	5
00500	1/2	114	152	5
00531	17/32	122	168	1
00562	9/16	122	168	1
00625	5/8	132	181	1
10750	3/4	143	194	1

Series
000

ดอกสว่านเจาะเหล็กไฮสปีด **ก้านกลม No.**
Jobber drills
(Straight shank, right hand, HSS)
BS 328 DIN 338 ISO 235



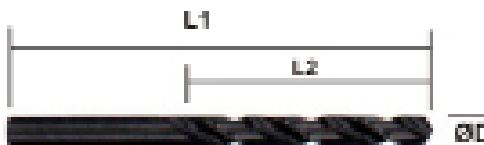
Model	Wire Gauge	Dec Equiv	L2 mm.	L1 mm.	Price
20013	No.80	0.0135	3	19	173.-
20014	No.79	0.0145	3	19	166.-
20016	No.78	0.0160	5	22	158.-
20018	No.77	0.0180	5	22	150.-
20020	No.76	0.0200	5	22	144.-
20021	No.75	0.0210	5	22	141.-
20022	No.74	0.0225	6	25	138.-
20024	No.73	0.0240	8	29	135.-
20025	No.72	0.0250	8	29	131.-
20026	No.71	0.0260	10	32	129.-
20028	No.70	0.0280	10	32	125.-
20029	No.69	0.0292	13	35	121.-
20031	No.68	0.0310	13	35	117.-
20032	No.67	0.0320	13	35	115.-
20033	No.66	0.0330	13	35	112.-
20035	No.65	0.0350	16	38	108.-
20036	No.64	0.0360	16	38	106.-
20037	No.63	0.0370	16	38	104.-
20038	No.62	0.0380	16	38	103.-
20039	No.61	0.0390	17	41	100.-
20040	No.60	0.0400	17	41	98.-
20041	No.59	0.0410	17	41	97.-
20042	No.58	0.0420	17	41	94.-
20043	No.57	0.0430	19	44	94.-
20046	No.56	0.0465	19	44	89.-
20052	No.55	0.0520	22	48	83.-

Model	Wire Gauge	Dec Equiv	L2 mm.	L1 mm.	Price
20054	No.54	0.0550	22	48	80.-
20060	No.53	0.0595	22	48	76.-
20064	No.52	0.0635	22	48	73.-
20068	No.51	0.0670	25	51	71.-
20070	No.50	0.0700	25	51	71.-
20074	No.49	0.0730	25	51	69.-
20077	No.48	0.0760	25	51	69.-
20079	No.47	0.0785	25	51	68.-
20081	No.46	0.0810	29	54	67.-
20082	No.45	0.0820	29	54	67.-
20086	No.44	0.0860	29	54	67.-
20090	No.43	0.0890	32	57	67.-
20093	No.42	0.0935	32	57	67.-
20096	No.41	0.0960	35	60	67.-
20098	No.40	0.0980	35	60	67.-
20100	No.39	0.0995	35	60	67.-
20101	No.38	0.1015	37	64	67.-
20103	No.37	0.1040	37	64	68.-
20107	No.36	0.1065	37	64	68.-
20110	No.35	0.1100	38	67	68.-
20111	No.34	0.1110	38	67	68.-
20113	No.33	0.1130	38	67	69.-
20115	No.32	0.1160	41	70	69.-
20119	No.31	0.1200	41	70	71.-
20129	No.30	0.1285	41	70	66.-



Series 000

ดอกสว่านเจาะเหล็กไฮสปีด ก้านกลม No.
Jobber drills
(Straight shank, right hand, HSS)
BS 328 DIN 338 ISO 235



Product Code	Wire Gauge	Dec Equiv	L2 mm.	L1 mm.
20129	No.30	0.1285	41	70
20136	No.29	0.1360	44	73
20140	No.28	0.1405	44	73
20144	No.27	0.1440	48	76
20147	No.26	0.1470	48	76
20149	No.25	0.1495	48	76
20152	No.24	0.1520	51	79
20153	No.23	0.1540	51	79
20157	No.22	0.1570	51	79
20160	No.21	0.1590	54	83
20161	No.20	0.1610	54	83
20166	No.19	0.1660	54	83
20170	No.18	0.1695	54	83
20174	No.17	0.1730	56	86
20176	No.16	0.1770	56	86

Product Code	Wire Gauge	Dec Equiv	L2 mm.	L1 mm.
20180	No. 15	0.1800	56	86
20182	No.14	0.1820	56	86
20185	No.13	0.1850	59	89
20190	No.12	0.1890	59	89
20192	No.11	0.1191	59	89
20193	No.10	0.1935	62	92
20196	No.9	0.1960	62	92
20199	No.8	0.1990	62	92
20202	No.7	0.2010	62	92
20205	No.6	0.2040	64	95
20206	No.5	0.2055	64	95
20211	No.4	0.2090	64	95
20214	No.3	0.2130	64	95
20222	No.2	0.2210	67	98
20227	No.1	0.2280	67	983

Series 008

ดอกสว่านเจาะเหล็กไฮสปีดโคบอลท์ 8% ก้านกลม mm
CD33 Cobalt heavy duty drills
(SVG Co.8%)
BS 328 DIN 338 ISO 335 ANSI



Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
10039	1.00	12	34	10
10043	1.10	14	36	10
10047	1.20	16	38	10
10049	1.25	16	38	10
10051	1.30	16	38	10
10055	1.40	18	40	10
10058	1.50	18	40	10
10063	1.60	20	43	10
10067	1.70	20	43	10
10071	1.80	22	46	10
10075	1.90	22	46	10
10079	2.00	24	49	10
10083	2.10	24	49	10
10087	2.20	27	53	10
10089	2.25	27	53	10
10090	2.30	27	53	10
10094	2.40	30	57	10
10098	2.50	30	57	10
10102	2.60	30	57	10
10106	2.70	33	61	10
10108	2.75	33	61	10
10110	2.80	33	61	10
10114	2.90	33	61	10
10117	3.00	33	61	10
10122	3.10	36	65	10
10127	3.20	36	65	10
10128	3.25	36	65	10
10130	3.30	36	65	10
10134	3.40	39	70	10
10137	3.50	39	70	10
10142	3.60	39	70	10

Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
10146	3.70	39	70	10
10147	3.75	43	75	10
10150	3.80	43	75	10
10153	3.90	43	75	10
10158	4.00	43	75	10
10161	4.10	43	75	10
10165	4.20	43	75	10
10167	4.25	43	75	10
10169	4.30	47	80	10
10174	4.40	47	80	10
10177	4.50	47	80	10
10181	4.00	47	80	10
10185	4.60	47	80	10
10187	4.75	47	80	10
10190	4.80	52	86	10
10193	4.90	52	86	10
10197	5.00	52	86	10
10201	5.10	52	86	10
10205	5.20	52	86	10
10209	5.30	52	86	10
10213	5.40	57	93	10
10217	5.50	57	93	10
10221	5.60	57	93	10
10224	5.70	57	93	10
10226	5.75	57	93	10
10228	5.80	57	93	10
10232	5.90	57	93	10
10236	6.00	57	93	10
10240	6.10	63	101	10
10244	6.20	63	101	10
10246	6.25	63	101	10



Series
008

ดอกสว่านเจาะเหล็กไฮสปีดโคบอลท์ 8% ก้านกลม mm
CD33 Cobalt heavy duty drills
(SVG Co.8%)
BS 328 DIN 338 ISO 335 ANSI



Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
10248	6.30	63	101	10
10252	6.40	63	101	10
10256	6.50	63	101	10
10331	8.40	75	117	10
10335	8.50	75	117	10
10338	8.60	81	125	5
10342	8.70	81	125	5
10344	8.75	81	125	5
10346	8.80	81	125	5
10350	8.90	81	125	5
10354	9.00	81	125	5
10358	9.10	81	125	5
10362	9.20	81	125	5
10364	9.25	81	125	5
10366	9.30	81	125	5
10370	9.40	81	125	5
10373	9.50	81	125	5
10378	9.60	87	133	5
10382	9.70	87	133	5
10384	9.75	87	133	5
10386	9.80	87	133	5
10389	9.90	87	133	5
10394	10.00	87	133	5
10398	10.10	87	133	5
10402	10.20	87	133	5
10405	10.30	87	133	5
10409	10.40	87	133	5
10414	10.50	87	133	5
10417	10.60	87	133	5
10421	10.70	94	142	5
10425	10.80	94	142	5
10429	10.90	94	142	5
10433	11.00	94	142	5
10437	11.10	94	142	5

Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
10441	11.20	94	142	5
10445	11.30	94	142	5
10449	11.40	94	142	5
10452	11.50	94	142	5
10457	11.60	94	142	5
10461	11.70	94	142	5
10465	11.80	94	142	5
10468	11.90	101	151	5
10472	12.00	101	151	5
10476	12.10	101	151	5
10480	12.20	101	151	5
10483	12.30	101	151	5
10488	12.40	101	151	5
10492	12.50	101	151	5
10496	12.60	101	151	5
10499	12.70	101	151	5
10504	12.80	101	151	5
10508	12.90	101	151	5
10512	13.00	101	151	5
10532	13.50	108	160	1
10551	14.00	108	160	1
10571	14.45	114	169	1
10591	15.00	114	169	1
10610	15.50	120	178	1
10630	16.00	120	178	1
10650	16.50	125	184	1
10669	17.00	125	184	1
10689	17.50	130	191	1
10709	18.00	130	191	1
10728	18.50	135	198	1
10748	19.00	135	198	1
10768	19.50	140	205	1
10787	20.00	140	205	1

Series
008

ดอกสว่านเจาะเหล็กไฮสปีดโคบอลท์ 8% ก้านกลม Inch
CD33 Cobalt heavy duty drills
(SVG Co.8%)
BS 328 DIN 338 ISO 335 ANSI



Model	d1 inch	L2 mm.	L1 mm.	Box Qty
00062	1/16	22	48	10
00078	5/64	25	51	10
00094	3/32	32	57	10
00109	7/64	38	67	10
00125	1/8	41	70	10
00140	9/64	44	73	10
00156	5/32	51	79	10
00172	11/64	54	80	10
00188	3/16	59	89	10
00203	13/64	62	92	10
00219	7/32	64	95	10
00264	15/64	67	98	10
00250	1/4	70	102	10
00265	17/64	73	105	10
00281	9/32	75	108	10

Model	d1 inch	L2 mm.	L1 mm.	Box Qty
00297	19/64	78	111	10
00312	5/16	81	114	10
00328	21/64	84	117	10
00343	11/32	87	121	5
00359	23/64	89	124	5
00375	3/8	92	127	5
00390	25/64	95	130	5
00406	13/32	98	133	5
00422	27/64	100	137	5
00438	7/16	103	140	5
00453	29/64	106	143	5
00469	15/32	110	146	5
00484	31/64	111	149	5
00500	1/2	114	152	5

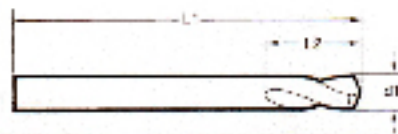


Series
012

ดอกสว่านเจาะเหล็กแผ่น (เกลียวสั้น)

PAN-L Drills
BS 328 DIN 338 ISO 23

Pan-L



mm

Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
20108	2.75	11	46	1
20117	3.00	11	46	1
20128	3.25	12	49	1
20130	3.30	12	49	1
20137	3.50	13	52	1
20146	3.70	13	52	1
20147	3.75	15	52	1
20158	4.00	15	55	1
20161	4.10	15	55	1

mm

Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
20165	4.20	15	55	1
20174	4.40	16	62	1
20177	4.50	16	62	1
20187	4.75	16	62	1
20193	4.90	17	62	1
20197	5.00	17	62	1
20246	6.25	21	70	1
20250	6.50	21	70	1

Inch

Model	d1 inch	L2 mm.	L1 mm.	Box Qty
10094	3/32	9	43	1
10125	1/8	12	49	1

Inch

Model	d1 inch	L2 mm.	L1 mm.	Box Qty
10156	5/32	15	55	1
10188	3/16	17	62	1

Series
010

ดอกสว่านชุดพร้อมกล่องเหล็กและกล่องพลาสติก

Jobber drills boxed sets
BS 328 DIN 338 ISO 325



รหัส	รุ่น	จาก - ถึง	เพิ่มขนาดทีละ	จำนวนอัน/ชุด
220019	19M (M2)	1.0-10.0 mm.	0.5 mm.	19
220025	25M (M3)	1.0-13.0 mm.	0.5 mm.	25
420001	M1	1.5-6.5 mm.	0.5 mm.	13
420005	M4	1.0-5.9 mm.	0.1 mm.	50
420006	M5	6.0-10.0 mm.	0.1 mm.	41
430060	B60	NO.1-NO.6	-	60
220013	13M	15-6.5 mm.	0.5 mm.	13
210013	13F (B13)	1/16"-1/4"	1/64"	13
210015	15F (B15)	1/16"-1/2"	1/32"	15
210029	29F (B29)	1/16"-1/2"	1/64"	29
410021	B21	1/16"3/8"	1/64"	21



Series
001L

ดอกสว่านก้านกลมเคลือบไททาเนียม mm
TIN Coated jobber drill
BS 328 DIN 338 ISO 335



Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
001L0039	1.00	12	34	1
001L0058	1.50	18	40	1
001L0079	2.00	24	49	1
001L0098	2.50	30	57	1
001L0117	3.00	33	61	1
001L0122	3.10	36	65	1
001L0127	3.20	36	65	1
001L0130	3.30	36	70	1
001L0134	3.40	39	70	1
001L0137	3.50	39	70	1
001L0142	3.60	39	70	1
001L0146	3.70	39	70	1
001L0150	3.80	43	75	1
001L0153	3.90	43	75	1
001L0158	4.00	43	75	1
001L0161	4.10	43	75	1
001L0165	4.20	43	75	1
001L0169	4.30	47	80	1
001L0174	4.40	47	80	1
001L0177	4.50	47	80	1
001L0181	4.60	47	80	1
001L0185	4.70	47	80	1
001L0190	4.80	52	86	1
001L0193	4.90	52	86	1
001L0197	5.00	52	86	1
001L0201	5.10	52	86	1
001L0205	5.20	52	86	1
001L0209	5.30	52	86	1
001L0213	5.40	57	93	1
001L0217	5.50	57	93	1
001L0221	5.60	57	93	1
001L0224	5.70	57	93	1
001L0228	5.80	57	93	1
001L0232	5.90	57	93	1
001L0236	6.00	57	93	1
001L0240	6.10	63	101	1
001L0244	6.20	63	101	1
001L0248	6.30	63	101	1
001L0252	6.40	63	101	1
001L0256	6.50	63	101	1
001L0260	6.60	63	101	1
001L0263	6.70	63	101	1
001L0268	6.80	69	109	1
001L0272	6.90	69	109	1
001L0276	7.00	69	109	1
001L0279	7.10	69	109	1
001L0284	7.20	69	109	1
001L0287	7.30	69	109	1
001L0291	7.40	69	109	1
001L0295	7.50	69	109	1
001L0299	7.60	75	117	1
001L0303	7.70	75	117	1
001L0307	7.80	75	117	1

Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
001L0311	7.90	75	117	1
001L0315	8.00	75	117	1
001L0319	8.10	75	117	1
001L0322	8.20	75	117	1
001L0327	8.30	75	117	1
001L0331	8.40	75	117	1
001L0335	8.50	75	117	1
001L0338	8.60	81	125	1
001L0342	8.70	81	125	1
001L0346	8.80	81	125	1
001L0350	8.90	81	125	1
001L0354	9.00	81	125	1
001L0358	9.10	81	125	1
001L0362	9.20	81	125	1
001L0366	9.30	81	125	1
001L0370	9.40	81	125	1
001L0373	9.50	81	125	1
001L0378	9.60	87	133	1
001L0382	9.70	87	133	1
001L0386	9.80	87	133	1
001L0389	9.90	87	133	1
001L0394	10.00	87	133	1
001L0398	10.10	87	133	1
001L0402	10.20	87	133	1
001L0405	10.30	87	133	1
001L0409	10.40	87	133	1
001L0414	10.50	87	133	1
001L0417	10.60	87	133	1
001L0421	10.70	94	142	1
001L0425	10.80	94	142	1
001L0429	10.90	94	142	1
001L0433	11.00	94	142	1
001L0437	11.10	94	142	1
001L0441	11.20	94	142	1
001L0445	11.30	94	142	1
001L0449	11.40	94	142	1
001L0452	11.50	94	142	1
001L0457	11.60	94	142	1
001L0461	11.70	94	142	1
001L0465	11.80	94	142	1
001L0468	11.90	101	151	1
001L0472	12.00	101	151	1
001L0476	12.10	101	151	1
001L0480	12.20	101	151	1
001L0483	12.30	101	151	1
001L0488	2.40	101	151	1
001L0492	12.50	101	151	1
001L0496	12.60	101	151	1
001L0499	12.70	101	151	1
001L0504	12.80	101	151	1
001L0508	12.90	101	151	1
001L0512	13.00	101	151	1



Series
001L

ดอกสว่านก้านกลมเคลือบไททาเนียม Inch
TIN Coated jobber drill
BS 328 DIN 338 ISO 335

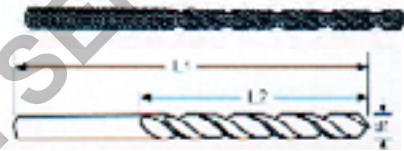


Model	d1 inch	L2 mm.	L1 mm.	Box Qty
001K0125	1/8	36	65	1
001K0140	9/64	39	70	1
001K0156	5/32	43	75	1
001K0172	11/64	47	80	1
001K0188	3/16	52	86	1
001K0203	13/64	52	86	1
001K0219	7/32	57	93	1
001K0234	15/64	57	93	1
001K0250	1/4	63	101	1
001K0265	17/64	69	109	1
001K0281	9/32	69	109	1
001K0297	19/64	75	117	1
001K0312	5/16	75	117	1

Model	d1 inch	L2 mm.	L1 mm.	Box Qty
001L0328	21/64	75	117	1
001L0343	11/32	81	125	1
001L0359	23/64	81	125	1
001L0375	3/8	87	133	1
001L0390	25/64	87	133	1
001L0406	13/32	87	133	1
001L0422	27/64	94	142	1
001L0438	7/16	94	142	1
001L0453	29/64	94	142	1
001L0469	15/32	101	151	1
001L0484	31/64	101	151	1
001L0500	1/2	101	151	1

Series
014

ดอกสว่านเจาะเหล็ก ก้านกลม ชนิดยาว mm
Straight shank drills (Long series)
BS328 DIN340 ISO494



Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
20039	1.00	33	56	10
20047	1.20	41	65	10
20051	1.30	41	65	10
20055	1.40	45	70	10
20058	1.50	45	70	10
20063	1.60	50	76	10
20067	1.70	50	76	10
20069	1.75	53	80	10
20071	1.80	53	80	10
20075	1.90	53	85	10
20079	2.00	56	85	10
20081	2.05	56	85	10
20083	2.10	56	90	10
20085	2.15	59	90	10
20087	2.20	59	90	10
20089	2.25	59	90	10
20090	2.30	59	90	10
20092	2.35	59	90	10
20094	2.40	62	95	10
20097	2.45	62	95	10
20098	2.50	62	95	10
20100	2.55	62	95	10
20102	2.60	62	95	10
20104	2.65	62	95	10
20106	2.70	66	100	10
20108	2.75	66	100	10
20110	2.80	66	100	10
20113	2.85	66	100	10
20114	2.90	66	100	10
20116	2.95	66	100	10
20117	3.00	66	100	10
20122	3.10	69	106	10

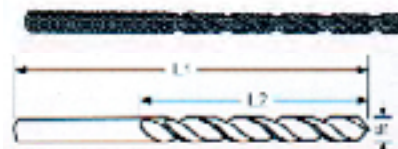
Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
20127	3.20	69	106	10
20128	3.25	69	106	10
20130	3.30	69	106	10
20134	3.40	73	112	10
20137	3.50	73	112	10
20142	3.60	73	112	10
20146	3.70	73	112	10
20147	3.75	73	112	10
20150	3.80	78	119	10
20153	3.90	78	119	10
20158	4.00	78	119	10
20161	4.10	78	119	10
20165	4.20	78	119	10
20167	4.25	78	119	10
20169	4.30	82	126	10
20174	4.40	82	126	10
20177	4.50	82	126	10
20181	4.60	82	126	10
20185	4.70	82	126	10
20187	4.75	82	126	10
20190	4.80	87	132	10
20193	4.90	87	132	10
20197	5.00	87	132	10
20201	5.10	87	132	10
20205	5.20	87	132	10
20207	5.25	87	132	10
20209	5.30	87	132	10
20213	5.40	91	139	10
20217	5.50	91	139	10
20221	5.60	91	139	10
20224	5.70	91	139	10
20226	5.75	91	139	10



Series
014

ดอกสว่านเจาะเหล็ก ก้านกลม ชนิดยาว
Straight shank drills (Long series)
BS328 DIN340 ISO494

mm



Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
20228	5.80	91	139	10
20232	5.90	91	139	10
20236	6.00	91	139	10
20240	6.10	97	148	10
20255	6.20	97	148	10
20248	6.30	97	148	10
20252	6.40	97	148	10
20256	6.50	97	148	10
20260	6.60	97	148	10
20263	6.70	97	148	10
20266	6.75	102	156	10
20268	6.80	102	156	10
20272	6.90	102	156	10
20276	7.00	102	156	10
20279	7.10	102	156	10
20284	7.20	102	156	10
20285	7.25	102	156	10
20287	7.30	102	156	10
20291	7.40	102	156	10
20295	7.50	102	156	10
20299	7.60	109	165	5
20303	7.70	109	165	5
20305	7.75	109	165	5
20307	7.80	109	165	5
20311	7.90	109	165	5
20315	8.00	109	165	5
20319	8.10	109	165	5
20322	8.20	109	165	5
20327	8.30	109	165	5
20331	8.40	109	165	5
20335	8.50	109	165	5
20338	8.60	115	175	1
20342	8.70	115	175	1
20344	8.75	115	175	1
20346	8.80	115	175	1
20350	8.90	115	175	1
20354	9.00	115	175	1
20358	9.10	115	175	1
20362	9.20	115	175	1
20364	9.25	115	175	1
20366	9.30	115	175	1
20370	9.40	115	175	1
20373	9.50	115	175	1
20378	9.60	121	184	1
20382	9.70	121	184	1
20384	9.75	121	184	1
20386	9.80	121	184	1
20389	9.90	121	184	1
20394	10.00	121	184	1
20398	10.10	121	184	1
20402	10.20	121	184	1
20403	10.25	121	184	1
20405	10.30	121	184	1

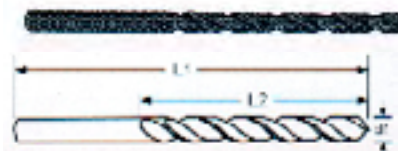
Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
20409	10.40	121	184	1
20414	10.50	121	184	1
20417	10.60	121	184	1
20421	10.70	128	195	1
20424	10.75	128	195	1
20425	10.80	128	195	1
20429	10.90	128	195	1
20433	11.00	128	195	1
20437	11.10	128	195	1
20441	11.20	128	195	1
20445	11.30	128	195	1
20449	11.40	128	195	1
20452	11.50	128	195	1
20457	11.60	128	195	1
20461	11.70	128	195	1
20465	11.80	128	195	1
20468	11.90	134	205	1
20472	12.00	134	205	1
20476	12.10	134	205	1
20480	12.20	134	205	1
20482	12.30	134	205	1
20488	12.40	134	205	1
20492	12.50	134	205	1
20496	12.60	134	205	1
20499	12.70	134	205	1
20504	12.80	134	205	1
20508	12.90	134	205	1
20512	13.00	134	205	1
20516	13.10	134	205	1
20520	13.20	134	205	1
20524	13.30	140	214	1
20528	13.40	140	214	1
20532	13.50	140	214	1
20535	13.60	140	214	1
20539	13.70	140	214	1
20541	13.75	140	214	1
20543	13.80	140	214	1
20547	13.90	140	214	1
20551	14.00	140	214	1
20561	14.40	144	220	1
20571	14.50	144	220	1
20591	14.75	144	220	1
20591	15.00	144	220	1
20600	15.25	149	227	1
20609		149	227	1
20610	15.50	149	227	1
20620	15.75	149	227	1
20630	16.00	149	227	1
20640	16.25	154	235	1
20650	16.50	154	235	1
20659	16.75	154	235	1
20669	17.00	154	235	1
20679	17.25	158	241	1



Series
014

ดอกสว่านเจาะเหล็ก ก้านกลม ชนิดยาว
Straight shank drills (Long series)
BS328 DIN340 ISO494

mm



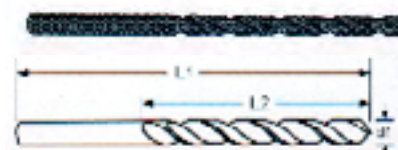
Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
20689	17.50	158	241	1
20699	17.75	158	241	1
20709	18.00	158	241	1
20718	18.25	162	247	1
20728	18.50	162	247	1
20738	18.75	162	247	1
20748	19.00	162	247	1
20758	19.25	166	254	1
20768	19.50	166	254	1
20777	19.78	166	254	1
20787	20.00	166	254	1
20797	20.25	171	261	1
20807	20.50	171	261	1
20817	20.75	171	261	1
20827	21.00	171	261	1
20837	21.25	176	268	1
20846	21.50	176	268	1
20856	21.75	176	268	1

Model	d1 mm.	L2 mm.	L1 mm.	Box Qty
20866	22.00	176	268	1
20876	22.25	176	268	1
20886	22.50	180	275	1
20896	22.75	180	275	1
20904	23.00	180	275	1
20915	23.25	180	275	1
20925	23.50	180	275	1
20935	23.75	185	282	1
20945	24.00	185	282	1
20955	24.25	185	282	1
20965	24.50	185	282	1
20974	24.75	185	282	1
20983	25.00	185	282	1
21024	26.00	190	290	1
21063	27.00	195	298	1
21102	28.00	195	298	1
21142	29.00	201	307	1
21181	30.00	201	307	1

Series
014

ดอกสว่านเจาะเหล็ก ก้านกลม ชนิดยาว
Straight shank drills (Long series)
BS328 DIN340 ISO494

Inch



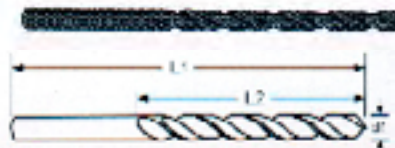
Model	d1 inch	L2 mm.	L1 mm.	Box Qty
10312	5/16	109	165	5
10328	21/64	109	165	5
10343	11/32	115	175	1
10359	23/64	115	175	1
10375	3/8	121	184	1
10390	25/64	121	184	1
10406	13/32	121	184	1
10422	27/64	128	195	1
10438	7/16	128	195	1
10453	29/64	128	195	1
10469	15/32	134	205	1
10484	31/64	134	205	1
10500	1/2	134	205	1
10515	33/64	134	205	1
10531	17/32	140	214	1
10546	35/64	140	214	1
10562	9/16	144	220	1
10578	37/64	144	220	1
10594	39/64	149	227	1
10625	5/8	149	227	1
10641	41/64	154	235	1
10656	21/32	154	235	1
10672	43/64	158	241	1
10687	11/16	158	241	1

Model	d1 inch	L2 mm.	L1 mm.	Box Qty
10703	45/64	158	241	1
10719	23/32	162	247	1
10734	47/64	162	247	1
10750	3/4	166	254	1
10781	25/32	166	254	1
10812	13/16	171	261	1
10844	27/32	176	268	1
10875	7/8	176	268	1
10905	29/32	180	275	1
10937	15/16	185	282	1
10969	31/32	185	282	1
11000	1	190	290	1
11031	1.1/32	190	290	1
11062	1.1/16	195	298	1
11094	1.3/32	195	298	1
11125	1.1/8	201	307	1
11156	1.5/32	201	307	1
11187	1.3/16	207	316	1
11218	1.7/32	207	316	1
11250	1.1/4	213	324	1
11312	1.5/16	213	324	1
11375	1.3/8	219	333	1
11438	1.7/16	225	343	1
11500	1.1/2	232	352	1



Series
016

ดอกสว่านเจาะเหล็กก้านกลม ชนิดยาวพิเศษ mm
Straight shank drills (Extra long series)
ISO3292, BS328



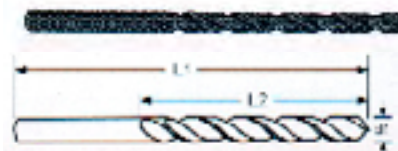
Model	d1 mm	L2 mm	L1 mm
01620058	1.5	80	125
01620059	1.5	100	160
01620079	2.0	80	125
01620080	2.0	100	160
01620098	2.5	80	125
01620099	2.5	100	160
01620112	3.0	100	160
01620113	3.0	150	200
01620114	3.0	200	250
01620132	3.5	100	160
01620133	3.5	150	200
01620134	3.5	200	250
01620162	4.0	100	160
01620163	4.0	150	200
01620164	4.0	200	250
01620165	4.0	250	315
01620173	4.5	150	200
01620174	4.5	200	250
01620175	4.5	250	315
01620192	5.0	100	160
01620193	5.0	150	200
01620194	5.0	200	250
01620195	5.0	250	315
01620213	5.5	150	200
01620214	5.5	200	250
01620215	5.5	250	315
01620241	6.0	100	160
01620243	6.0	150	200
01620244	6.0	200	250
01620245	6.0	250	315
01620253	6.5	150	200
01620254	6.5	200	250
01620255	6.5	250	315
01620273	7.0	150	200
01620274	7.0	200	250
01620275	7.0	250	315
01620293	7.5	150	200
01620294	7.5	200	250
01620295	7.5	250	315
01620314	8.0	200	250
01620315	8.0	250	315
01620316	8.0	300	400
01620334	8.5	200	250
01620335	8.5	250	315
01620354	9.0	200	250
01620355	9.0	250	315
01620356	9.0	300	400
01620374	9.5	200	250
01620375	9.5	250	315
01620394	10.0	200	250
01620395	10.0	250	315
01620396	10.0	300	400

Model	d1 mm	L2 mm	L1 mm
01620414	10.5	200	250
01620415	10.5	250	315
01620416	10.5	300	400
01620417	10.5	290	350
01620424	11.0	200	250
01620425	11.0	250	315
01620426	11.0	300	400
01620474	12.0	200	250
01620475	12.0	250	315
01620476	12.0	300	400
01620515	13.0	250	315
01620516	13.0	300	400
01620555	14.0	250	315
01620556	14.0	300	400
01610061	1/16	80	125
01610062	1/16	100	160
01610070	5/64	80	125
01610072	5/64	100	160
01610091	3/32	80	125
01610092	3/32	100	160
01610093	3/32	150	200
01610102	7/64	100	160
01610103	7/64	150	200
01610122	1/8	100	160
01610123	1/8	150	200
01610124	1/8	200	250
01610125	1/8	250	315
01610142	9/64	100	160
01610143	9/64	150	200
01610152	5/32	100	160
01610153	5/32	150	200
01610154	5/32	200	250
01610155	5/32	250	315
01610172	11/64	100	160
01610173	11/64	150	200
01610174	11/64	200	250
01610175	11/64	250	315
01610182	3/16	100	160
01610183	3/16	150	200
01610184	3/16	200	250
01610185	3/16	250	315
01610186	3/16	300	400
01610201	13/64	100	160
01610203	13/64	150	200
01610204	13/64	200	250
01610205	13/64	250	315
01610222	7/32	100	160
01610223	7/32	150	200
01610224	7/32	200	250
01610225	7/32	250	315
01610232	15/64	100	160
01610233	15/64	150	200



Series
016

ดอกสว่านเจาะเหล็กก้านกลม ชนิดยาวพิเศษ **mm**
Straight shank drills (Extra long series)
ISO3292, BS328

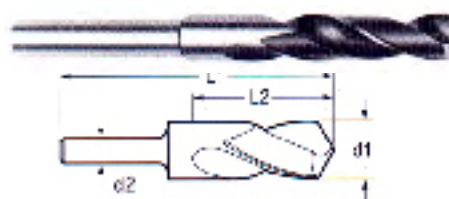


Model	d1 mm	L2 mm	L1 mm
01610234	15/64	200	250
01610235	15/64	250	315
01610253	1/4	150	200
01610254	1/4	200	250
01610255	1/4	250	315
01610256	1/4	300	400
01610265	17/64	150	200
01610266	17/64	200	250
01610267	17/64	250	315
01610283	9/32	150	200
01610284	9/32	200	250
01610285	9/32	250	315
01610297	19/64	150	200
01610298	19/64	200	250
01610299	19/64	250	315
01610303	5/16	150	200
01610304	5/16	200	250
01610305	5/16	250	315
01610306	5/15	300	400
01610328	21/64	150	200
01610329	21/64	200	250
01610330	21/64	250	315
01610343	11/32	150	200
01610344	11/32	200	250
01610345	11/32	250	315
01610359	23/64	150	200
01610360	23/64	200	250
01610361	23/64	250	315

Model	d1 mm	L2 mm	L1 mm
01610383	3/8	150	200
01610384	3/8	200	250
01610385	3/8	250	315
01610386	3/8	300	400
01610390	25/64	150	200
01610391	25/64	200	250
01610392	25/64	250	315
01610403	13/32	150	200
01610404	13/32	200	250
01610405	13/32	250	315
01610422	27/64	150	200
01610423	27/64	200	250
01610424	27/64	250	315
01610433	7/16	150	200
01610434	7/16	200	250
01610435	7/16	250	315
01610436	7/16	300	400
01610453	29/64	150	200
01610452	29/64	200	250
01610454	29/64	250	315
01610467	15/32	150	200
01610475	15/32	200	250
01610469	15/32	250	315
01610484	31/64	200	250
01610485	31/64	250	315
01610504	1/2	200	250
01610505	1/2	250	315
01610506	1/2	300	400

Series
316

ดอกสว่านเจาะเหล็กไฮสปีด ก้าน 1/2" **mm**
Blacksmith drills (1/2" Dia straight shank)
BS328, DIN338, ISO235



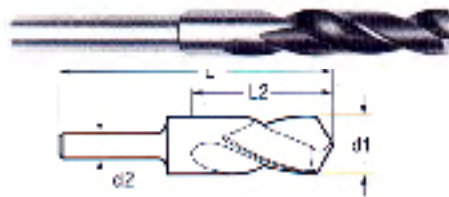
Model	d1 mm.	L2 mm.	L1 mm.	D2 Inch
20512	13.00	75	150	1/2
20532	13.50	75	150	1/2
20551	14.00	75	150	1/2
20571	14.50	75	150	1/2
20591	15.00	75	150	1/2
20610	15.50	75	150	1/2
20630	16.00	75	150	1/2
20650	16.50	75	150	1/2
20669	17.00	75	150	1/2
20689	17.50	75	150	1/2
20709	18.00	75	150	1/2

Model	d1 mm.	L2 mm.	L1 mm.	D2 Inch
20728	18.50	75	150	1/2
20748	19.00	75	150	1/2
20768	19.50	75	150	1/2
20787	20.00	75	150	1/2
20827	21.00	75	150	1/2
20866	22.00	75	150	1/2
20904	23.00	75	150	1/2
20945	24.00	75	150	1/2
20983	25.00	75	150	1/2
	28.00	75	150	1/2



Series 316

ดอกสว่านเจาะเหล็กไฮสปีด ก้าน 1/2" Inch
Blacksmith drills (1/2" Dia straight shank)
BS328, DIN338, ISO235



Model	d1 inch	L2 mm.	L1 mm.	D2 Inch
10531	7/32	75	150	1/2
10562	9/16	75	150	1/2
10594	19/32	75	150	1/2
10625	5/8	75	150	1/2
10656	21/32	75	150	1/2
10687	1/16	75	150	1/2
10719	3/32	75	150	1/2
10750	3/4	75	150	1/2
10781	5/32	75	150	1/2
10812	13/16	75	150	1/2
10844	7/32	75	150	1/2
10875	7/8	75	150	1/2
10905	29/32	75	150	1/2

Model	d1 inch	L2 mm.	L1 mm.	D2 Inch
10937	5/16	75	150	1/2
10969	1/32	75	150	1/2
11000	1	75	150	1/2
11031	1.1/32	75	150	1/2
11062	1.1/16	75	150	1/2
11094	1.3/32	75	150	1/2
11125	1.1/8	75	150	1/2
11156	1.5/32	75	150	1/2
11187	1.3/16	75	150	1/2
11250	1.1/4	75	150	1/2
11375	1.3/8	75	150	1/2
11500	1.1/2	75	150	1/2

Series 2001

HSS Center drills (60o)
mm - ISO866, DIN333A
Inch - BS328



mm

Model	Pilot Drill Dia. D1 (mm)	Nominal Body Dia. D2 (mm)	Pilot Drill Length L2 MAX (mm)	Pilot Drill Length L2 MIN (mm)	L1 (mm)
21031	1.00	3.15	1.9	1.3	31.5
21640	1.60	4.00	2.8	2.0	35.5
22050	2.00	5.00	3.3	2.5	40.0
22563	2.50	6.30	4.1	3.1	45.0
23180	3.15	8.00	4.9	3.9	50.0
24010	4.00	10.00	6.2	5.0	56.0
25012	5.00	12.50	7.5	6.3	63.0
26316	6.30	16.00	9.2	8.0	71.0

Inch

No.	Model	Pilot Drill Dia. D1 Inch	Nominal Body Dia. D2 (Inch)	Pilot Drill Length L2 MAX (Inch)	Pilot Drill Length L2 MIN (Inch)	L1 Inch
BS1	10001	3/64	1/8	5/64	1/16	1.1/2
BS2	10002	1/16	3/16	3/32	5/64	1.3/4
BS3	10003	3/32	1/4	5/32	1/8	2
BS4	10004	1/8	5/16	3/16	5/32	2.1/4
BS5	10005	3/16	7/16	9/32	1/4	2.1/2
BS6	10006	1/4	5/8	3/8	5/16	3
BS7	10007	5/16	3/4	15/32	13/32	3.1/2



Series
300

ดอกสว่านก้านเตเปอร์ โฮสปีด mm
Morse taper sjank drills
ISO235, BS328, DIN345



Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20079	2.00	24	105	1
20098	2.50	30	111	1
20117	3.00	33	114	1
20137	3.50	39	120	1
20158	4.00	43	123	1
20177	4.50	47	128	1
20197	5.00	53	133	1
20213	5.40	57	138	1
20217	5.50	57	138	1
20236	6.00	57	138	1
20256	6.50	63	144	1
20266	6.75	69	150	1
20268	6.80	69	150	1
20272	6.90	69	150	1
20276	7.00	69	150	1
20295	7.50	69	150	1
20307	7.80	75	156	1
20315	8.00	75	156	1
20325	8.25	75	156	1
20335	8.50	75	156	1
20344	8.75	81	162	1
20346	8.80	81	162	1
20354	9.00	81	162	1
20362	9.20	81	162	1
20373	9.50	81	162	1
20378	9.60	87	169	1
20394	10.00	87	171	1
20402	10.20	87	172	1
20403	10.25	87	168	1
20414	10.50	87	168	1
20417	10.60	87	168	1
20424	10.75	94	175	1
20425	10.80	94	175	1
20433	11.00	94	175	1
20443	11.25	94	175	1
20452	11.50	94	175	1
20457	11.60	94	175	1
20463	11.75	94	175	1
20472	12.00	101	182	1
20482	12.25	101	182	1
20492	12.50	101	182	1
20502	12.75	101	182	1
20512	13.00	101	182	1
20522	13.25	108	189	1
20532	13.50	108	189	1
20541	13.75	108	189	1
20551	14.00	108	189	1
20561	14.25	114	212	2
20571	14.50	114	212	2
20581	14.75	114	212	2
20591	15.00	114	212	2
20600	15.25	120	218	2
20610	15.50	120	218	2
20620	15.75	120	218	2

Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20630	16.00	120	218	2
20640	16.25	125	223	2
20650	16.50	125	223	2
20659	16.75	125	223	2
20669	17.00	125	223	2
20679	17.25	130	228	2
20689	17.50	130	228	2
20699	17.75	130	228	2
20709	18.00	130	228	2
20718	18.25	135	233	2
20728	18.50	135	233	2
20738	18.75	135	233	2
20748	19.00	135	233	2
20758	19.25	140	238	2
20768	19.50	140	238	2
20777	19.75	140	238	2
20787	20.00	140	238	2
20797	20.25	145	243	2
20807	20.50	145	243	2
20817	20.75	145	243	2
20827	21.00	145	243	2
20837	21.25	150	248	2
20846	21.50	150	248	2
20856	21.75	150	248	2
20866	22.00	150	248	2
20876	22.25	150	248	2
20886	22.50	155	253	2
20896	22.75	155	253	2
20904	23.00	155	253	2
20915	23.25	155	253	3
20925	23.50	155	253	3
20935	23.75	160	276	3
20945	24.00	160	276	3
20955	24.25	160	276	3
20965	24.50	160	276	3
20974	24.75	160	276	3
20983	25.00	160	281	3
20994	25.25	165	286	3
21004	25.50	165	286	3
21014	25.75	165	286	3
21024	26.00	165	286	3
21043	26.50	165	286	3
21063	27.00	170	291	3
21073	27.25	170	291	3
21083	27.50	170	291	3
21102	28.00	170	291	3
21112	28.25	175	296	3
21122	28.50	175	296	3
21142	29.00	175	296	3
21161	29.50	175	296	3
21171	29.75	175	296	3
21181	30.00	175	296	3
21201	30.50	180	301	3
21220	31.00	180	301	3



Series
300

ดอกสว่านก้านเตเปอร์ ไรสปีด **mm**
Morse taper sjank drills
ISO235, BS328, DIN345



Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
21240	31.50	180	301	3
21249	31.75	185	306	3
21260	32.00	185	334	4
21279	32.50	185	334	4
21299	33.00	185	334	4
21319	33.50	185	334	4
21339	34.00	190	339	4
21358	34.50	190	339	4
21378	35.00	190	339	4
21398	35.50	190	339	4
21417	36.00	195	344	4
21437	36.50	195	344	4
21457	37.00	195	344	4
21476	37.50	195	344	4
21496	38.00	200	349	4
21516	38.50	200	349	4
21535	39.00	200	349	4
21555	39.50	200	349	4
21575	40.00	200	349	4
21594	40.50	205	354	4
21614	41.00	205	354	4
21634	41.50	205	354	4
21653	42.00	205	354	4
21673	42.50	205	354	4
21693	43.00	210	359	4

Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
21713	43.50	210	359	4
21732	44.00	210	359	4
21752	44.50	210	359	4
21772	45.00	210	359	4
21791	45.50	215	364	4
21811	46.00	215	364	4
21831	46.50	215	364	4
21850	47.00	215	364	4
21870	47.50	215	364	4
21890	48.00	220	369	4
21909	49.00	220	369	4
21929	48.50	220	369	4
21949	49.50	220	369	4
21968	50.00	220	369	4
21988	50.50	225	374	4
22008	51.00	225	412	5
22047	52.00	225	412	5
22087	53.00	225	412	5
22126	54.00	230	417	5
22165	55.00	230	417	5
22205	56.00	230	417	5
22244	57.00	235	422	5
22283	58.00	235	422	5
22323	59.00	235	422	5
22362	60.00	235	422	5

Series
300

ดอกสว่านก้านเตเปอร์ ไรสปีด **Inch**
Morse taper sjank drills
ISO235, BS328, DIN345



Model	d1 inch	L2 mm.	L1 mm.	MTS No.
10062	1/16	20	101	1
10078	5/64	24	105	1
10094	3/32	30	111	1
10109	7/64	33	114	1
10125	1/8	36	117	1
10140	9/64	39	120	1
10156	5/32	43	123	1
10172	1/64	47	128	1
10188	3/16	53	133	1
10203	13/64	53	133	1
10219	7/32	57	138	1
10234	15/64	57	138	1
10250	1/4	63	144	1
10265	17/64	69	150	1
10281	9/32	69	150	1
10297	19/64	75	156	1
10312	5/16	75	156	1
10328	21/64	75	156	1
10343	11/32	81	162	1
10359	23/64	81	162	1
10375	3/8	87	168	1
10390	25/64	87	170	1

Model	d1 inch	L2 mm.	L1 mm.	MTS No.
10406	13/32	87	168	1
10422	27/64	94	175	1
10438	7/16	94	175	1
10453	29/64	94	175	1
10469	15/32	101	182	1
10484	31/64	101	182	1
10500	1/2	101	182	1
10515	33/64	101	182	1
10531	17/32	108	189	1
10546	35/64	108	189	1
10532	9/16	114	212	2
10578	37/64	114	212	2
10594	19/32	120	218	2
10609	1/2	120	218	2
10625	5/8	120	218	2
10641	41/64	125	223	2
10656	21/32	125	223	2
10672	43/64	130	228	2
10687	11/16	130	228	2
10703	45/64	130	228	2
10719	23/32	135	233	2
10734	47/64	135	233	2



Series
300

ดอกสว่านก้านเตเปอร์ ไฮสปีด **Inch**
Morse taper shank drills
ISO235, BS328, DIN345



Model	d1 inch	L2 mm.	L1 mm.	MTS No.
10750	3/4	140	238	2
10766	49/64	140	238	2
10781	25/32	140	238	2
10796	51/64	145	243	2
10812	13/16	145	243	2
10828	53/64	145	243	2
10844	27/32	150	248	2
10859	55/64	150	248	2
10875	7/8	150	248	2
10891	57/64	155	253	2
10905	29/32	155	253	2
10922	59/64	155	253	3
10937	15/16	160	276	3
10953	61/64	160	276	3
10969	31/32	160	276	3
10984	63/64	165	286	3
11000	1	165	286	3
11016	1.1/64	165	286	3
11031	1.1/32	165	286	3
11047	1.3/64	170	291	3
11062	1.1/16	170	291	3
11078	1.5/64	170	291	3
11094	1.3/32	170	291	3
11109	1.7/64	175	296	3
11125	1.1/8	175	296	3
11141	1.6/64	175	296	3
11156	1.5/32	175	296	3
11172	1.11/64	175	296	3
11187	1.3/16	180	301	3
11203	1.13/64	180	301	3
11218	1.7/32	180	301	3
11234	1.15/64	180	301	3
11250	1.1/4	185	306	3
11266	1.17/64	185	334	4
11281	1.9/32	185	334	4

Model	d1 inch	L2 mm.	L1 mm.	MTS No.
11297	1.19/64	185	334	4
11312	1.5/16	185	334	4
11328	1.21/64	190	339	4
11344	1.11/32	190	339	4
11359	1.23/64	190	339	4
11375	1.3/8	190	339	4
11391	1.25/64	190	339	4
11406	11.13/32	195	344	4
11422	1.27/64	195	344	4
11438	1.7/16	195	344	4
11469	1.15/32	195	344	4
11484	1.31/64	200	349	4
11500	1.1/2	200	349	4
11515	1.33/64	200	349	4
11531	1.17/32	200	349	4
11547	1.25/64	200	349	4
11562	1.9/16	200	349	4
11593	1.19/32	205	354	4
11625	1.5/8	205	354	4
11656	1.21/32	205	354	4
11687	1.1/16	210	359	4
11719	1.23/32	210	359	4
11750	1.3/4	210	359	4
11781	1.25/32	215	364	4
11812	1.13/16	215	364	4
11844	1.27/32	215	364	4
11875	1.7/8	220	369	4
11937	1.15/16	220	369	4
11970	1.31/32	225	374	4
12000	2	225	374	4
21062	2.1/16	225	412	5
12125	2.1/8	230	417	5
12187	2.3/16	230	417	5
12250	2.1/4	235	422	5

Series
308

ดอกสว่านก้านเตเปอร์ ไฮสปีด โคบอลท์ 8%
Morse taper shank drills
ISO235, BS328, DIN345



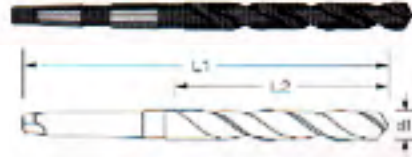
Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20394	10.00	87	168	1
20414	10.50	87	168	1
20433	11.00	94	175	1
20452	11.50	94	175	1
20472	12.00	101	199	2
20773	12.00	101	182	1
20492	12.50	101	199	2
20493	12.50	101	182	1
20512	13.00	101	199	2
20513	13.00	101	182	1
20532	13.50	108	206	2

Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20533	13.50	108	189	1
20551	14.00	108	206	2
20552	14.00	108	189	1
20571	14.50	114	212	2
20591	15.00	114	212	2
20610	15.50	120	218	2
20630	16.00	120	218	2
20650	16.50	125	223	2
20669	17.00	125	223	2
20689	17.50	130	228	2
20709	18.00	130	228	2



Series
308

ดอกสว่านก้านเตเปอร์ ไฮสปีด โดบอลท์ 8%
Morse taper shank drills
ISO235, BS328, DIN345

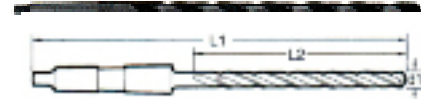


Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20729	18.50	135	256	3
20730	18.50	135	233	2
20748	19.00	135	256	3
20749	19.00	135	233	2
20768	19.50	135	261	3
20769	19.50	140	238	2
20787	20.00	140	261	3
20788	20.00	140	238	2
20807	20.50	145	266	3
20808	20.50	145	243	2
20827	21.00	145	266	3
20828	21.00	145	243	2
20846	21.50	150	271	3
20847	21.50	150	248	2
20866	22.00	150	271	3
20867	22.00	150	248	2
20886	22.50	155	276	3
20887	22.50	155	253	2
20904	23.00	155	276	3
20905	23.00	155	253	2
20925	23.50	155	276	3
20945	24.00	160	281	3
20965	24.50	160	281	3
20983	25.00	160	281	3

Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
21004	25.50	165	286	3
21024	26.00	165	286	3
21043	26.50	170	286	3
21063	27.00	170	319	4
21064	27.00	170	291	3
21083	27.50	170	319	4
21084	27.50	170	291	3
21102	28.00	170	319	4
21103	28.00	170	291	3
21122	28.50	175	324	4
21123	28.50	175	296	3
21142	29.00	175	324	4
21143	29.00	175	296	3
21161	29.50	175	324	4
21162	29.50	175	296	3
21181	30.00	175	324	4
21182	30.00	175	296	3
21201	30.50	180	329	4
21202	30.50	180	301	3
21220	31.00	180	329	4
21221	31.00	180	301	3
21240	31.50	180	329	4
21241	31.50	180	301	3
21260	32.00	185	334	3

Series
322

ดอกสว่านเจาะเหล็กก้านเตเปอร์ ชนิดยาวพิเศษ (ไฮสปีด)
Morse taper shank drills (Extra length), HSS
BS328 DIN338 ISO 235



Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20233	6.00	150	200	1
20234	6.00	160	250	1
20235	6.00	225	315	1
20254	6.50	160	250	1
20255	6.58	225	315	1
20273	7.00	150	200	1
20275	7.00	225	315	1
20294	7.50	160	250	1
20295	7.50	225	315	1
20314	8.00	160	250	1
20315	8.00	225	315	1
20316	8.00	310	400	1
20334	8.50	160	250	1
20335	8.50	225	315	1
20336	8.50	310	400	1
20355	9.00	225	315	1
20374	9.50	160	250	1
20375	9.50	225	315	1
20394	10.00	160	250	1
20395	10.00	225	315	1
20396	10.00	310	400	1
20397	10.00	410	500	1

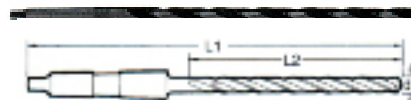
Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20435	11.00	225	315	1
20436	11.00	310	400	1
20437	11.00	410	500	1
20475	12.00	225	315	1
20476	12.00	310	400	1
20477	12.00	410	500	1
20515	13.00	225	315	1
20516	13.00	310	400	1
20517	13.00	410	500	1
20555	14.00	225	315	1
20556	14.00	310	400	1
20596	15.00	300	400	2
20597	15.00	400	500	2
20626	16.00	300	400	2
20627	16.00	400	500	2
20666	17.00	300	400	2
20667	17.00	400	500	2
20706	18.00	300	400	2
20707	18.00	400	500	2
20746	19.00	300	400	2
20747	19.00	400	500	2
20786	20.00	300	400	2



Series
322

ดอกสว่านเจาะเหล็กก้านเตเปอร์ ชนิดยาวพิเศษ (ไฮสปีด)
Morse taper shank drills (Extra length), HSS
BS328 DIN338 ISO 235

mm



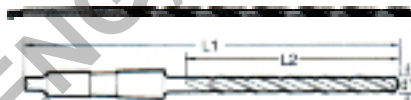
Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20787	20.00	400	500	2
20826	21.00	300	400	2
20827	21.00	400	500	2
20866	22.00	300	400	2
20867	22.00	400	500	2
20946	24.00	275	400	3
20947	24.00	375	500	3
20986	25.00	275	400	3

Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20987	25.00	375	500	3
21106	28.00	275	400	3
21107	28.00	375	500	3
21186	30.00	275	400	3
21187	30.00	375	500	3
21260	32.00	275	400	4
21261	32.00	375	500	4

Series
322

ดอกสว่านเจาะเหล็กก้านเตเปอร์ ชนิดยาวพิเศษ (ไฮสปีด)
Morse taper shank drills (Extra length), HSS
BS328 DIN338 ISO 235

Inch



Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
10253	1/4	110	200	1
10254	1/4	160	250	1
10255	1/4	225	315	1
10258	1/4	310	400	1
10313	5/16	10	200	1
10315	5/16	160	250	1
10316	5/16	310	400	1
10343	11/32	110	200	1
10345	11/32	225	315	1
10373	3/8	110	200	1
10374	3/8	160	250	1
10375	3/8	225	315	1
10378	3/8	310	400	1
10403	13/32	110	200	1
10405	13/32	225	315	1
10433	7/16	110	200	1
10435	7/16	225	315	1
10438	7/16	310	400	1
10464	15/32	160	250	1
10465	15/32	225	315	1
10504	1/2	160	250	1
10505	1/2	225	315	1
10508	1/2	310	400	1
10534	17/32	160	250	1
10535	17/32	225	315	1
10536	17/32	310	400	1
10564	9/16	150	250	2
10565	9/16	215	315	2
10568	9/16	300	400	2
10595	19/32	215	315	2

Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
10625	5/8	215	315	2
10626	5/8	300	400	2
10628	5/8	400	500	2
10684	11/16	150	250	2
10685	11/16	215	315	2
10688	1/16	300	400	2
10755	3/4	215	315	2
10756	3/4	300	400	2
10758	3/4	400	500	2
10815	13/16	215	315	2
10818	13/16	300	400	2
10876	7/8	300	400	2
10878	7/8	400	500	2
10936	15/16	275	400	3
11005	1	190	315	3
11006	1	275	400	3
11008	1	375	500	3
11066	1.1/16	275	400	3
11068	1.1/16	375	500	3
11126	1.1/8	275	400	3
11128	1.1/8	375	500	3
21156	1.1/4	275	400	3
11258	1.1/4	375	500	3
11376	1.3/8	275	400	4
11378	1.3/8	375	500	4
11508	1.1/2	375	500	4
11628	1.5/8	375	500	4
11758	1.3/4	375	500	4
12008	2	375	500	4



Series
600

ริมเมอร์คว้านรูตรง ก้านตรง
Hand reamers
ISO235, BS328, DIN338



mm

Model	d1 mm.	L2 mm.	L1 mm.
20079	2.00	25	50
20098	2.50	29	58
20117	3.00	31	62
20137	3.50	35	71
20158	4.00	38	76
20177	4.50	41	81
20197	5.00	44	87
20217	5.50	48	93
20236	6.00	48	93
20256	6.50	50	100
20276	7.00	54	107
20295	7.50	58	115
20315	8.00	58	115
20335	8.50	58	115
20354	9.00	62	124
20373	9.50	62	124
20394	10.00	66	133
20414	10.50	66	133
20433	11.00	71	142
20452	11.50	71	142
20472	12.00	76	152
20492	12.50	76	152
20512	13.00	76	152
20532	13.50	81	163
20551	14.00	81	163
20591	15.00	81	163
20630	16.00	87	175
20669	17.00	87	175
20709	18.00	93	188
20748	19.00	93	188
20787	20.00	100	201
20827	21.00	100	201
20866	22.00	107	215
20904	23.00	107	215
20945	24.00	115	231
20983	25.00	115	231
21024	26.00	115	231
21063	27.00	124	247
21102	28.00	124	247
21181	30.00	124	247
21260	32.00	133	265
21299	33.00	142	284
21339	34.00	142	284
21378	35.00	142	284
21417	36.00	142	284
21796	38.00	152	305
21575	40.00	152	305
21968	50.00	174	347

Inch

Model	d1 inch	L2 mm.	L1 mm.
10062	1/16	21	44
10094	3/32	29	58
10125	1/8	33	66
10140	9/64	35	71
10156	5/32	38	76
10172	11/64	41	81
10188	3/16	44	87
10203	13/64	44	87
10219	7/32	48	93
10234	15/64	48	93
10250	1/4	50	100
10265	17/64	54	107
10281	9/32	54	107
10297	1/4	58	115
10312	5/16	58	115
10328	21/64	58	115
10343	11/32	62	124
10359	23/64	62	124
10375	3/8	66	133
10390	25/64	66	133
10406	13/32	66	133
10422	27/64	71	142
10438	7/16	71	142
10453	29/64	71	142
10469	15/32	76	152
10484	31/64	76	152
10500	1/2	76	152
10531	17/32	81	163
10562	9/16	81	163
10594	19/32	87	175
10625	5/8	87	175
10356	21/32	87	175
10687	11/16	93	188
10719	23/32	93	188
10750	3/4	100	201
10781	25/32	100	201
10812	13/16	100	201
10844	27/32	107	215
10875	7/8	107	215
10905	29/32	107	215
10937	15/16	115	231
11000	1	115	231
11062	1.1/16	124	247
11125	1.1/8	124	247
11250	1.1/4	133	265
11375	1.3/8	142	284
11500	1.1/2	152	305
11625	1.5/8	152	305
11750	1.3/4	163	326
11875	1.7/8	174	347
12000	2	174	347



Series
601

ริมเมอร์คว้านรูตรง ก้านเรียบเตเปอร์
Machine reamers
ISO235, BS328, DIN338



mm

mm

Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20117	3.00	31	104	1
20137	3.50	35	108	1
20158	4.00	38	112	1
20177	4.50	41	115	1
20197	5.00	44	118	1
20217	5.50	48	125	1
20236	6.00	48	125	1
20256	6.50	50	130	1
20276	7.00	54	134	1
20295	7.50	54	134	1
20315	8.00	58	138	1
20335	8.50	58	138	1
20354	9.00	62	141	1
20373	9.50	62	141	1
20394	10.00	67	146	1
20414	10.50	67	146	1
20433	11.00	71	151	1
20452	11.50	71	151	1
20472	12.00	76	156	1
20492	12.50	76	156	1
20512	13.00	76	156	1
20551	14.00	81	160	1
20591	15.00	81	181	2
20630	16.00	87	187	2
20669	17.00	87	187	2

Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20709	18.00	94	194	2
20748	19.00	94	194	2
20787	20.00	100	200	2
20827	21.00	100	200	2
20866	22.00	106	206	2
20904	23.00	106	206	2
20945	24.00	114	241	3
20983	25.00	114	241	3
21024	26.00	114	241	3
21063	27.00	124	251	3
21102	28.00	124	251	3
21181	30.00	124	251	3
21260	32.00	133	294	4
21299	33.00	133	294	4
21339	34.00	142	303	4
21378	35.00	142	303	4
21417	36.00	142	312	4
21496	38.00	152	312	4
21575	40.00	152	312	4
21653	42.00	152	312	4
21732	44.00	163	323	4
21772	45.00	163	323	4
21811	46.00	163	323	4
21890	48.00	175	334	4
21968	50.00	175	334	4

Inch

Inch

Model	d1 inch	L2 mm.	L1 mm.	MTS No.
10125	1/8	33	106	1
10140	9/64	35	108	1
10156	5/32	38	112	1
10172	11/64	41	115	1
10188	3/16	41	118	1
10203	13/64	44	118	1
10219	7/32	48	125	1
10234	15/64	48	125	1
10250	1/4	50	130	1
10265	17/64	54	134	1
10281	9/32	54	134	1
10297	19/64	58	138	1
10312	5/16	58	138	1
10328	21/64	58	138	1
10343	11/32	62	141	1
10359	23/64	62	141	1
10375	3/8	67	146	1
10390	25/64	67	146	1
10406	13/32	67	146	1
10422	27/64	71	151	1
10438	7/16	71	151	1
10453	29/64	71	151	1
10469	15/32	76	156	1
10484	31/64	76	156	1
10500	1/2	76	156	1

Model	d1 inch	L2 mm.	L1 mm.	MTS No.
10531	17/32	81	160	1
10562	9/16	81	181	2
10594	19/32	87	187	2
10625	5/8	87	187	2
10656	21/32	87	187	2
10687	11/16	94	194	2
10719	23/32	94	194	2
10750	3/4	100	200	2
10781	25/32	100	200	2
10812	13/16	100	200	2
10844	27/32	106	200	2
10875	7/8	106	206	2
10905	29/32	106	206	2
10937	15/16	114	241	3
10969	31/32	114	241	3
11000	1	114	241	3
11062	1.1/16	124	251	3
11125	1.1/8	124	251	3
11250	1.1/4	133	260	3
11375	1.3/8	142	303	4
11500	1.1/2	152	312	4
11625	1.5/8	152	312	4
11750	1.3/4	163	323	4
11875	1.7/8	175	334	4
12000	2	175	334	4



Series 604

ริมเมอร์คว้านรูเตเปอร์ ก้านตรง **mm**
Machine reamers
ISO235, BS328, DIN338



Model	Dia mm.	d1 mm.	d2 mm.	L2 mm.	L1 mm.
20058	1.50	2.14	1.40	37	57
20079	2.00	1.90	2.86	48	68
20098	2.50	2.40	3.36	48	68
20117	3.00	2.90	4.06	58	80
20158	4.00	3.90	5.26	68	93
20197	5.00	4.90	6.36	73	100
20236	6.00	5.90	8.00	105	135
20315	8.00	7.90	10.80	145	180
20394	10.00	9.90	13.40	175	215
20472	12.00	11.80	16.00	194	240
20512	13.00	12.86	16.74	194	240
20551	14.00	13.86	17.76	194	240
20630	16.00	15.80	20.40	230	280
20787	20.00	19.80	24.80	230	310

Model	Dia mm.	d1 mm.	d2 mm.	L2 mm.	L1 mm.
20058	1.50	2.14	1.40	37	57
20079	2.00	1.90	2.86	48	68
20098	2.50	2.40	3.36	48	68
20117	3.00	2.90	4.06	58	80
20158	4.00	3.90	5.26	68	93
20197	5.00	4.90	6.36	73	100
20236	6.00	5.90	8.00	105	135
20315	8.00	7.90	10.80	145	180
20394	10.00	9.90	13.40	175	215
20472	12.00	11.80	16.00	194	240
20512	13.00	12.86	16.74	194	240
20551	14.00	13.86	17.76	194	240
20630	16.00	15.80	20.40	230	280
20787	20.00	19.80	24.80	230	310

Series 604

ริมเมอร์คว้านรูเตเปอร์ ก้านตรง **Inch**
Machine reamers
ISO235, BS328, DIN338

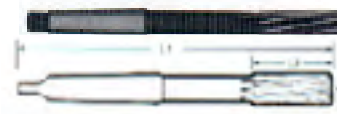


Model	Dia Inch	d1 Inch	d2 Inch	L2 Inch	L1 Inch
10062	1/16	0.064	0.0432	1	2
10078	5/64	0.080	0.0592	1	2
10094	3/32	0.095	0.0690	1.1/4	2.1/4
10109	7/64	0.111	0.0798	1.1/2	2.1/2
10125	1/8	0.127	0.0905	1.3/4	2.3/4
10150	9/64	0.143	0.1039	1.7/8	2.7/8
10156	5/32	0.158	0.1163	2	3
10172	11/64	0.174	0.1271	2.1/4	3.1/2
10188	3/16	0.195	0.1377	2.3/4	4
10219	7/32	0.220	0.1628	2.3/4	4
10250	1/4	0.253	0.1827	3.3/8	4.5/8

Model	Dia Inch	d1 Inch	d2 Inch	L2 Inch	L1 Inch
10281	9/32	0.292	0.2061	4.1/8	5.5/8
10312	5/16	0.316	0.2301	4.1/8	5.5/8
10343	11/32	0.347	0.2533	4.1/2	6
10375	3/8	0.381	0.2768	5	6.1/2
10406	13/32	0.412	0.2922	5.3/4	7.1/2
10438	7/16	0.443	0.3232	5.3/4	7.1/2
10500	1/2	0.506	0.3706	6.1/2	8.1/4
10562	9/16	0.571	0.4304	6.3/4	8.1/2
10625	5/8	0.633	0.4768	7.1/2	9.1/4
10750	3/4	0.760	0.5777	8.3/4	10.3/4
10875	7/8	0.855	0.6871	9.1/2	12

Series 605

ริมเมอร์คว้านรูขนาน ชัดกึ่งริมเมอร์ ก้านเตเปอร์ **mm**
Reamers HSS Machine chucking
Reamers (Morse taper TShank)
ISO235, BS328, DIN338



Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20197	5.00	23	114	1
20236	6.00	26	138	1
20276	7.00	31	150	1
20375	8.00	33	156	1
20354	9.00	36	162	1
20394	10.00	38	168	1
20433	11.00	41	175	1
20472	12.00	44	182	1
20512	13.00	44	182	1
20551	14.00	47	189	1
20630	16.00	52	210	2
20669	17.00	54	214	2
20709	18.00	56	219	2

Model	d1 mm.	L2 mm.	L1 mm.	MTS No.
20748	19.00	58	223	2
20787	20.00	60	228	2
20827	21.00	62	232	2
20866	22.00	64	237	2
20904	23.00	66	241	2
20945	24.00	68	268	3
21024	26.00	70	273	3
21102	28.00	71	277	3
21181	30.00	73	281	3
21260	32.00	77	317	4
21339	34.00	78	321	4
21417	36.00	79	325	4
21496	38.00	81	329	4



Series
606

ริมเมอร์คว้านรูขนาน ชัดกึ่งริมเมอร์ ก้านเตเปอร์
HSS Machine chucking reamers
(Straight shank chucking)
ISO235, BS328, DIN338



mm

Model	d1 mm.	L2 mm.	L1 mm.	d2 mm.
20117	3.00	15	61	20117
20137	3.50	18	70	20137
20128	4.00	19	75	20128
20177	4.50	21	80	20177
20197	5.00	23	86	20197
20236	6.00	26	93	20236
20315	8.00	33	117	8.0
20354	9.00	36	125	9.0
20394	10.00	38	133	10.0
20433	11.00	41	142	10.0
20512	13.00	44	151	10.0
20551	14.00	47	160	12.5
20591	15.00	50	162	12.5
20630	16.00	52	170	12.5

Inch

Model	d1 Inch	L2 mm.	L1 mm.	d2 mm.
10094	3/32	14	57	10094
10125	1/8	16	65	10125
10156	5/32	19	75	10156
10188	3/16	23	86	10188
10219	7/32	26	93	10219
10250	1/4	28	101	6.3
10281	9/32	31	109	7.1
10312	5/16	33	117	8.0
10343	11/32	36	125	9.0
10375	3/8	38	133	10.0
10406	13/32	38	133	10.0
10438	7/16	41	142	10.0
10469	15/32	44	151	10.0
10500	1/2	44	151	10.0
10562	9/16	50	162	12.5
10625	5/8	52	170	12.5

Series
546

ริมเมอร์คว้านรูแบบปรับขยายได้
HSS adjustable hand reamers



Model	Symbol	d1 Inch Range	d1 mm Range	L2 mm.	L1 mm.
10023	HV	1/4 - 9/32	6.35 - 7.14	34.13	82.55
10024	HW	9/32 - 5/16	7.14 - 7.94	34.13	88.90
10025	HY	11/32 - 3/8	8.73 - 9.52	38.10	111.12
10026	HZ	5/16 - 11/32	7.94 - 8.73	38.10	104.78
10001	H1	3/8 - 13/32	9.52 - 10.32	38.10	120.65
10002	H2	13/32 - 7/16	10.31 - 11.11	38.10	127.00
10003	H3	7/16 - 15/32	11.11 - 11.90	41.28	133.35
10004	H4	15/32 - 17/32	11.90 - 13.49	41.28	139.70
10005	H5	17/32 - 19/32	13.49 - 15.08	46.04	146.05
10006	H6	19/32 - 21/32	15.08 - 16.66	52.39	165.10
10007	H7	21/32 - 23/32	16.66 - 18.25	55.56	171.45
10008	H8	25/32 - 27/32	18.25 - 19.84	66.58	177.80
10009	H9	27/32 - 15/16	19.84 - 21.43	66.68	187.32
10010	H10	15/16 - 1.1/16	21.43 - 23.81	76.20	203.20
10011	H11	15/16 - 1.1/16	23.81 - 26.98	82.55	228.60
10012	H12	1.1/16 - 1.3/16	26.98 - 30.16	85.72	254.00
10013	H13	1.3/16 - 1.11/32	30.16 - 34.13	98.42	279.40
10014	H14	1.11/32 - 1.1/2	34.13 - 34.10	107.95	304.80
10015	H15	1.1/2 - 1.13/16	38.10 - 46.03	112.71	355.60
10016	H16	1.13/16 - 2.7/32	46.03 - 56.35	123.83	406.40
10017	H17	2.7/32 - 2.3/4	56.35 - 69.85	127.00	457.20
10018	H18	2.34 - 3.11/32	69.85 - 84.39	133.35	508.00



Series
5000

ริมเมอร์เตเปอร์

Machine bridge reamers helical flute MTS
(To produce taper holes straight shank HSS)
BBS328, DIN338, ISO235



Model	Φ Inch	d2	d3	L2 mm.	L1 mm.
10250	1/4	1	3.13	75	151
10312	5/16	1	4.60	85	161
10375	3/8	1	5.72	98	171
10438	7/16	1	7.11	100	176
10500	1/2	2	8.51	105	199
10562	9/16	2	9.30	125	219
10625	5/8	2	10.46	135	229
10687	11/16	3	11.66	145	261
10750	3/4	3	12.85	155	271
10812	13/16	3	14.45	155	271
10875	7/8	3	15.62	165	281
10937	15/16	3	16.61	180	296

Model	Φ Inch	d2	d3	L2 mm.	L1 mm.
11000	1	3	18.21	180	296
11062	1.1/16	3	19.18	195	311
11125	1.1/8	3	20.78	195	311
11187	1.3/16	4	21.77	210	326
11250	1.1/4	4	23.37	210	354
11312	1.5/16	4	24.94	210	354
11375	1.3/8	4	26.14	220	364
11438	1.7/16	4	27.74	220	364
11500	1.1/2	4	28.91	230	374
11562	1.9/16	4			
11625	1.5/8	4			
10750	1.3/4	4			

Series
5000

ริมเมอร์เตเปอร์

Machine bridge reamers helical flute MTS
(To produce taper holes straight shank HSS)
BBS328, DIN338, ISO235



Model	Φ Inch	d2	d3	L2 mm.	L1 mm.
2070	7.00	1	2.83	75	151
2084	8.40	1	5.90	85	161
2090	9.00	1	5.40	90	166
2100	10.00	1	6.20	95	171
2110	11.00	1	7.00	100	176
2120	12.00	2	8.00	105	199
2130	13.00	2	8.80	105	199
2140	14.00	2	9.40	115	209
2150	15.00	2	10.00	125	219
2160	16.00	2	10.60	135	229
2170	17.00	3	11.60	135	251
2180	18.00	3	12.20	145	261
2190	19.00	3	13.20	145	261
2200	20.00	3	13.80	155	271
2207	21.00	3	14.80	155	271
2215	22.00	3	15.40	165	281
2220	23.00	3	16.40	165	281
2240	24.00	3	16.80	180	296

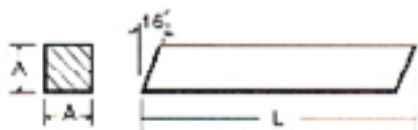
Model	Φ Inch	d2	d3	L2 mm.	L1 mm.
2250	25.00	3	17.80	180	296
2260	26.00	3	18.80	180	296
2270	27.00	3	19.20	195	311
2280	28.00	3	20.20	195	311
2290	29.00	3	21.20	195	311
2300	30.00	3	22.20	195	311
2310	31.00	4	22.60	210	326
2320	32.00	4	23.60	210	354
2330	33.00	4	24.75	210	354
2340	34.00	4	25.20	220	364
2350	35.00	4	26.20	220	364
2360	36.00	4	27.20	220	364
2370	37.00	4	28.20	220	364
2390	39.00	4	28.20	220	364
2400	40.00	4	30.80	230	374
2410	41.00	4	30.80	230	374
2420	42.00	4	30.80	230	374



Series
7000

Series
7010

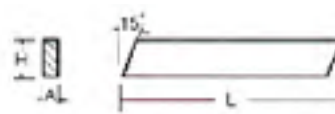
มีดกลึงสี่เหลี่ยมไฮสปีด
Toolbits square



Model	A Inch	L Inch
0460	1/4	6
0480	1/4	8
0580	5/16	8
0600	3/8	6
0680	3/8	8
0860	1/2	6
0880	1/2	8
1060	5/8	6
1080	5/8	8
1280	3/4	8
1660	1	6
1680	1	8
0605	5 mm.	150 mm.

Series
7340

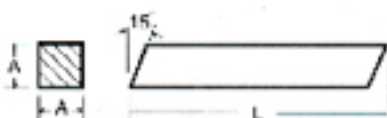
ใบมีดตัด
Toolbits cutoff blade



Model	H Inch	A Inch	L Inch
0838	1/4	3/8	8
0848	1/4	1/2	8
0858	1/4	5/8	8
0868	1/4	3/4	8
0888	1/4	1	8
1248	3/8	1/2	8
1258	3/8	5/8	8
1268	3/8	3/4	8
1288	3/8	1	8
1658	1/2	5/8	8
1668	1/2	3/4	8
1688	1/2	1	8
2068	5/8	3/4	8
2088	5/8	1	8
2438	3/4	3/8	8
2448	3/4	1/2	8
2488	3/4	1	8

Series
7300

มีดกลึงสี่เหลี่ยมไฮสปีดซูเปอร์ (โคบอลท์)
Toolbits square (super)



Model	A Inch	L Inch
0480	1/4	8
0580	5/16	8
0680	3/8	8
0880	1/2	8
1080	5/8	8
1280	3/4	8
1680	1	8

Series
7360

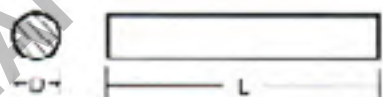
ใบมีดตัด
Toolbits cutoff blade



Model	H Inch	A Inch	B Inch	L Inch
4324	1/2	3/32	1/16	4.1/2
5325	5/8	3/32	1/16	5
6246	3/4	1/8	1/16	6
7427	7/8	1/8	1/16	7
8648	1	3/16	1/8	8

Series
7330

มีดกลึงกลมไฮสปีด
Toolbits round



Model	D Inch	L1 Inch
0480	1/4	8
0580	5/16	8
0680	3/8	8
0880	1/2	8
1080	5/8	8
1280	3/4	8
1680	1	8

