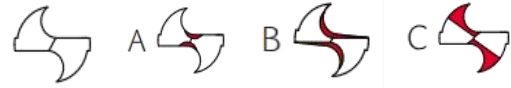


HSS DRILL BIT DIN1897

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 135°
- ☆ Flute Types: Type N / Type W / Type H
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



DRILL BIT

Order No.	Ø D (mm)	L (mm)	I (mm)	Order No.	Ø D (mm)	L (mm)	I (mm)
189700300	0.3	19	1.5	189701500	1.5	32	9
189700320	0.32	19	2	189701550	1.55	34	10
189700350	0.35	19	2	189701600	1.6	34	10
189700380	0.38	19	2	189701650	1.65	34	10
189700400	0.4	19	2.5	189701700	1.7	34	10
189700420	0.42	19	2.5	189701750	1.75	36	11
189700450	0.45	19	2.5	189701800	1.8	36	11
189700480	0.48	19	2.5	189701850	1.85	36	11
189700500	0.5	20	3	189701900	1.9	36	11
189700520	0.52	20	3	189701950	1.95	38	12
189700550	0.55	21	3.5	189702000	2	38	12
189700580	0.58	21	3.5	189702050	2.05	38	12
189700600	0.6	21	3.5	189702100	2.1	38	12
189700620	0.62	22	4	189702150	2.15	40	13
189700650	0.65	22	4	189702200	2.2	40	13
189700680	0.68	23	4.5	189702250	2.25	40	13
189700700	0.7	23	4.5	189702300	2.3	40	13
189700720	0.72	23	4.5	189702350	2.35	40	13
189700750	0.75	23	4.5	189702400	2.4	43	14
189700780	0.78	24	5	189702450	2.45	43	14
189700800	0.8	24	5	189702500	2.5	43	14
189700820	0.82	24	5	189702550	2.55	43	14
189700850	0.85	24	5	189702600	2.6	43	14
189700880	0.88	25	5.5	189702620	2.62	43	14
189700900	0.9	25	5.5	189702650	2.65	43	14
189700920	0.92	25	5.5	189702700	2.7	46	16
189700950	0.95	25	5.5	189702750	2.75	46	16
189700980	0.98	26	6	189702800	2.8	46	16
189701000	1	26	6	189702850	2.85	46	16
189701050	1.05	26	6	189702900	2.9	46	16
189701100	1.1	28	7	189702950	2.95	46	16
189701150	1.15	28	7	189703000	3	46	16
189701200	1.2	30	8	189703100	3.1	49	18
189701250	1.25	30	8	189703200	3.2	49	18
189701300	1.3	30	8	189703300	3.3	49	18
189701350	1.35	32	9	189703400	3.4	52	20
189701400	1.4	32	9	189703500	3.5	52	20
189701450	1.45	32	9	189703600	3.6	52	20

Order No.	Ø D (mm)	L (mm)	I (mm)			Order No.	Ø D (mm)	L (mm)	I (mm)
189703700	3.7	52	20			189708700	8.7	84	40
189703800	3.8	55	22			189708800	8.8	84	40
189703900	3.9	55	22			189708900	8.9	84	40
189704000	4	55	22			189709000	9	84	40
189704100	4.1	55	22			189709100	9.1	84	40
189704200	4.2	55	22			189709200	9.2	84	40
189704300	4.3	58	24			189709300	9.3	84	40
189704400	4.4	58	24			189709400	9.4	84	40
189704500	4.5	58	24			189709500	9.5	84	40
189704600	4.6	58	24			189709600	9.6	84	40
189704700	4.7	58	24			189709700	9.7	89	43
189704800	4.8	62	26			189709800	9.8	89	43
189704900	4.9	62	26			189709900	9.9	89	43
189705000	5	62	26			189710000	10	89	43
189705100	5.1	62	26			189710100	10.1	89	43
189705200	5.2	62	26			189710200	10.2	89	43
189705300	5.3	62	26			189710300	10.3	89	43
189705400	5.4	66	28			189710400	10.4	89	43
189705500	5.5	66	28			189710500	10.5	89	43
189705600	5.6	66	28			189710600	10.6	89	43
189705700	5.7	66	28			189710700	10.7	95	47
189705800	5.8	66	28			189710800	10.8	95	47
189705900	5.9	66	28			189710900	10.9	95	47
189706000	6	66	28			189711000	11	95	47
189706100	6.1	70	31			189711100	11.1	95	47
189706200	6.2	70	31			189711200	11.2	95	47
189706300	6.3	70	31			189711300	11.3	95	47
189706400	6.4	70	31			189711400	11.4	95	47
189706500	6.5	70	31			189711500	11.5	95	47
189706600	6.6	70	31			189711600	11.6	95	47
189706700	6.7	70	31			189711700	11.7	95	47
189706800	6.8	74	34			189711800	11.8	95	47
189706900	6.9	74	34			189711900	11.9	102	51
189707000	7	74	34			189712000	12	102	51
189707100	7.1	74	34			189712100	12.1	102	51
189707200	7.2	74	34			189712200	12.2	102	51
189707300	7.3	74	34			189712300	12.3	102	51
189707400	7.4	74	34			189712300	12.3	102	51
189707500	7.5	74	34			189712400	12.4	102	51
189707600	7.6	79	37			189712500	12.5	102	51
189707700	7.7	79	37			189712600	12.6	102	51
189707800	7.8	79	37			189712700	12.7	102	51
189707900	7.9	79	37			189712900	12.9	102	51
189708000	8	79	37			189713000	13	102	51
189708100	8.1	79	37			189713100	13.1	102	51
189708300	8.3	79	37			189713300	13.3	107	54
189708400	8.4	79	37			189713400	13.4	107	54
189708500	8.5	79	37			189713500	13.5	107	54
189708600	8.6	84	40			189713600	13.6	107	54

DRILL BIT

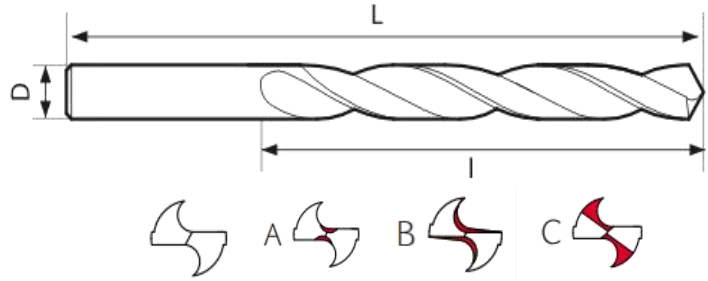
Order No.	Ø D (mm)	L (mm)	I (mm)			Order No.	Ø D (mm)	L (mm)	I (mm)
189713700	13.7	107	54			189716750	16.75	119	60
189713800	13.8	107	54			189717000	17	119	60
189713900	13.9	107	54			189717250	17.25	123	62
189714000	14	107	54			189717500	17.5	123	62
189714250	14.25	111	56			189717750	17.75	123	62
189714500	14.5	111	56			189718000	18	123	62
189714750	14.75	111	56			189718250	18.25	127	64
189715000	15	111	56			189718500	18.5	127	64
189715250	15.25	115	58			189718750	18.75	127	64
189715500	15.5	115	58			189719000	19	127	64
189715750	15.75	115	58			189719250	19.25	131	66
189716000	16	115	58			189719500	19.5	131	66
189716250	16.25	119	60			189719750	19.75	131	66
189716500	16.5	119	60			189720000	20	131	66

DRILL BIT

HSS DRILL BIT DIN338

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 135°
- ☆ Flute Types: Type N / Type W / Type UF / Type H
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



Order No.	Ø D (mm)	L (mm)	l (mm)		Order No.	Ø D (mm)	L (mm)	l (mm)
338000300	0.3	19	4		338001500	1.5	40	18
338000320	0.32	19	4		338001550	1.55	43	20
338000350	0.35	19	4		338001600	1.6	43	20
338000380	0.38	19	4		338001650	1.65	43	20
338000400	0.4	20	5		338001700	1.7	43	20
338000420	0.42	20	5		338001750	1.75	46	22
338000450	0.45	20	5		338001800	1.8	46	22
338000480	0.48	20	5		338001850	1.85	46	22
338000500	0.5	22	6		338001900	1.9	46	22
338000520	0.52	22	6		338001950	1.95	49	24
338000550	0.55	24	7		338002000	2	49	24
338000580	0.58	24	7		338002050	2.05	49	24
338000600	0.6	24	7		338002100	2.1	49	24
338000620	0.62	26	8		338002150	2.15	53	27
338000650	0.65	26	8		338002200	2.2	53	27
338000680	0.68	28	9		338002250	2.25	53	27
338000700	0.7	28	9		338002300	2.3	53	27
338000720	0.72	28	9		338002350	2.35	53	27
338000750	0.75	28	9		338002400	2.4	57	30
338000780	0.78	30	10		338002450	2.45	57	30
338000800	0.8	30	10		338002500	2.5	57	30
338000820	0.82	30	10		338002550	2.55	57	30
338000850	0.85	30	10		338002600	2.6	57	30
338000880	0.88	32	11		338002620	2.62	57	30
338000900	0.9	32	11		338002650	2.65	57	30
338000920	0.92	32	11		338002700	2.7	61	33
338000950	0.95	32	11		338002750	2.75	61	33
338000980	0.98	34	12		338002800	2.8	61	33
338001000	1	34	12		338002850	2.85	61	33
338001050	1.05	34	12		338002900	2.9	61	33
338001100	1.1	36	14		338002950	2.95	61	33
338001150	1.15	36	14		338003000	3	61	33
338001200	1.2	38	16		338003100	3.1	65	36
338001250	1.25	38	16		338003200	3.2	65	36
338001300	1.3	38	16		338003300	3.3	65	36
338001350	1.35	40	18		338003400	3.4	70	39
338001400	1.4	40	18		338003500	3.5	70	39
338001450	1.45	40	18		338003600	3.6	70	39

Order No.	Ø D (mm)	L (mm)	I (mm)			Order No.	Ø D (mm)	L (mm)	I (mm)
338003700	3.7	70	39			338008700	8.7	125	81
338003800	3.8	75	43			338008800	8.8	125	81
338003900	3.9	75	43			338008900	8.9	125	81
338004000	4	75	43			338009000	9	125	81
338004100	4.1	75	43			338009100	9.1	125	81
338004200	4.2	75	43			338009200	9.2	125	81
338004300	4.3	80	47			338009300	9.3	125	81
338004400	4.4	80	47			338009400	9.4	125	81
338004500	4.5	80	47			338009500	9.5	125	81
338004600	4.6	80	47			338009600	9.6	133	87
338004700	4.7	80	47			338009700	9.7	133	87
338004800	4.8	86	52			338009800	9.8	133	87
338004900	4.9	86	52			338009900	9.9	133	87
338005000	5	86	52			338010000	10	133	87
338005100	5.1	86	52			338010100	10.1	133	87
338005200	5.2	86	52			338010200	10.2	133	87
338005300	5.3	86	52			338010300	10.3	133	87
338005400	5.4	93	57			338010400	10.4	133	87
338005500	5.5	93	57			338010500	10.5	133	87
338005600	5.6	93	57			338010600	10.6	133	87
338005700	5.7	93	57			338010700	10.7	142	94
338005800	5.8	93	57			338010800	10.8	142	94
338005900	5.9	93	57			338010900	10.9	142	94
338006000	6	93	57			338011000	11	142	94
338006100	6.1	101	63			338011100	11.1	142	94
338006200	6.2	101	63			338011200	11.2	142	94
338006300	6.3	101	63			338011300	11.3	142	94
338006400	6.4	101	63			338011400	11.4	142	94
338006500	6.5	101	63			338011500	11.5	142	94
338006600	6.6	101	63			338011600	11.6	142	94
338006700	6.7	101	63			338011700	11.7	142	94
338006800	6.8	109	69			338011800	11.8	142	94
338006900	6.9	109	69			338011900	11.9	151	101
338007000	7	109	69			338012000	12	151	101
338007100	7.1	109	69			338012100	12.1	151	101
338007200	7.2	109	69			338012200	12.2	151	101
338007300	7.3	109	69			338012300	12.3	151	101
338007400	7.4	109	69			338012300	12.3	151	101
338007500	7.5	109	69			338012400	12.4	151	101
338007600	7.6	117	75			338012500	12.5	151	101
338007700	7.7	117	75			338012600	12.6	151	101
338007800	7.8	117	75			338012700	12.7	151	101
338007900	7.9	117	75			338012900	12.9	151	101
338008000	8	117	75			338013000	13	151	101
338008200	8.2	117	75			338013200	13.2	151	101
338008300	8.3	117	75			338013300	13.3	160	108
338008400	8.4	117	75			338013400	13.4	160	108
338008500	8.5	117	75			338013500	13.5	160	108
338008600	8.6	125	81			338013600	13.6	160	108

DRILL BIT

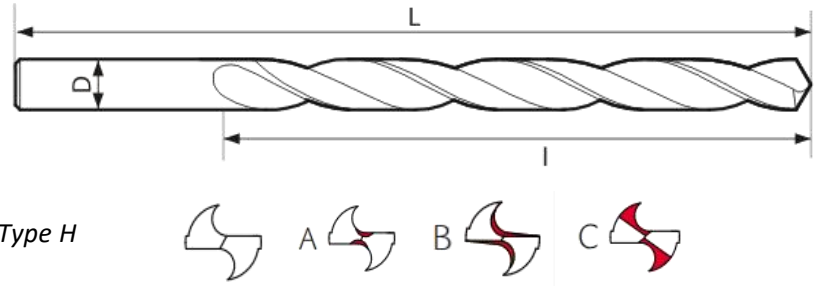
Order No.	Ø D (mm)	L (mm)	I (mm)			Order No.	Ø D (mm)	L (mm)	I (mm)
338013700	13.7	160	108			338016750	16.75	184	125
338013800	13.8	160	108			338017000	17	184	125
338013900	13.9	160	108			338017250	17.25	191	130
338014000	14	160	108			338017500	17.5	191	130
338014250	14.25	169	114			338017750	17.75	191	130
338014500	14.5	169	114			338018000	18	191	130
338014750	14.75	169	114			338018250	18.25	198	135
338015000	15	169	114			338018500	18.5	198	135
338015250	15.25	178	120			338018750	18.75	198	135
338015500	15.5	178	120			338019000	19	198	135
338015750	15.75	178	120			338019250	19.25	205	140
338016000	16	178	120			338019500	19.5	205	140
338016250	16.25	184	125			338019750	19.75	205	140
338016500	16.5	184	125			338020000	20	205	140

DRILL BIT

HSS DRILL BIT DIN340

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 135°
- ☆ Flute Types: Type N / Type W / Type UF / Type H
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



Order No.	Ø D (mm)	L (mm)	l (mm)			Order No.	Ø D (mm)	L (mm)	l (mm)
340000900	0.9	52	30			340004700	4.7	126	82
340001000	1	56	33			340004800	4.8	132	87
340001100	1.1	60	37			340004900	4.9	132	87
340001200	1.2	65	41			340005000	5	132	87
340001300	1.3	65	41			340005100	5.1	132	87
340001400	1.4	70	45			340005200	5.2	132	87
340001500	1.5	70	45			340005300	5.3	132	87
340001600	1.6	76	50			340005400	5.4	139	91
340001700	1.7	76	50			340005500	5.5	132	87
340001800	1.8	80	53			340005600	5.6	132	87
340001900	1.9	80	53			340005700	5.7	132	87
340002000	2	85	56			340005800	5.8	132	87
340002100	2.1	85	56			340005900	5.9	132	87
340002200	2.2	90	59			340006000	6	132	87
340002300	2.3	90	59			340006100	6.1	148	97
340002400	2.4	95	62			340006200	6.2	148	97
340002500	2.5	95	62			340006300	6.3	148	97
340002600	2.6	95	62			340006400	6.4	148	97
340002700	2.7	100	66			340006500	6.5	148	97
340002800	2.8	100	66			340006600	6.6	148	97
340002900	2.9	100	66			340006700	6.7	148	97
340003000	3	100	66			340006800	6.8	156	102
340003100	3.1	106	69			340006900	6.9	156	102
340003200	3.2	106	69			340007000	7	156	102
340003300	3.3	106	69			340007100	7.1	156	102
340003400	3.4	112	73			340007200	7.2	156	102
340003500	3.5	112	73			340007300	7.3	156	102
340003600	3.6	112	73			340007400	7.4	156	102
340003700	3.7	112	73			340007500	7.5	156	102
340003800	3.8	119	78			340007600	7.6	165	109
340003900	3.9	119	78			340007700	7.7	165	109
340004000	4	119	78			340007800	7.8	165	109
340004100	4.1	119	78			340007900	7.9	165	109
340004200	4.2	119	78			340008000	8	165	109
340004300	4.3	126	82			340008100	8.1	165	109
340004400	4.4	126	82			340008200	8.2	165	109
340004500	4.5	126	82			340008300	8.3	165	109
340004600	4.6	126	82			340008400	8.4	165	109

Order No.	Ø D (mm)	L (mm)	I (mm)			Order No.	Ø D (mm)	L (mm)	I (mm)
340008500	8.5	165	109			340011500	11.5	195	128
340008600	8.6	175	115			340011600	11.6	195	128
340008700	8.7	175	115			340011700	11.7	195	128
340008800	8.8	175	115			340011800	11.8	195	128
340008900	8.9	175	115			340011900	11.9	205	134
340009000	9	175	115			340012000	12	205	134
340009100	9.1	175	115			340012100	12.1	205	134
340009200	9.2	175	115			340012200	12.2	205	134
340009300	9.3	175	115			340012300	12.3	205	134
340009400	9.4	175	115			340012400	12.4	205	134
340009500	9.5	175	115			340012500	12.5	205	134
340009600	9.6	184	121			340012600	12.6	205	134
340009700	9.7	184	121			340012700	12.7	205	134
340009800	9.8	184	121			340012800	12.8	205	134
340009900	9.9	184	121			340012900	12.9	205	134
340010000	10	184	121			340013000	13	205	134
340010100	10.1	184	121			340013100	13.1	205	134
340010200	10.2	184	121			340013200	13.2	205	134
340010300	10.3	184	121			340013300	13.3	214	140
340010400	10.4	184	121			340013300	13.3	214	140
340010500	10.5	184	121			340013500	13.5	214	140
340010600	10.6	184	121			340013600	13.6	214	140
340010700	10.7	195	128			340013700	13.7	214	140
340010800	10.8	195	128			340013800	13.8	214	140
340010900	10.9	195	128			340013900	13.9	214	140
340011000	11	195	128			340014000	14	214	140
340011100	11.1	195	128			340014500	14.5	220	144
340011200	11.2	195	128			340015000	15	220	144
340011300	11.3	195	128			340015500	15.5	227	149
340011400	11.4	195	128			340016000	16	227	149

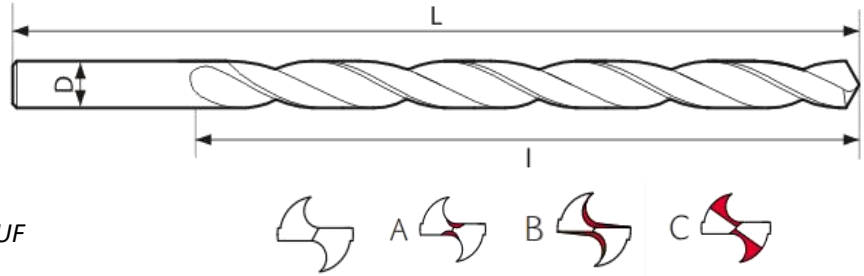
DRILL BIT

HSS DRILL BIT DIN1869

HSS / HSSCo

S1

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 135°
- ☆ Flute Types: Type N / Type W / Type UF
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



DRILL BIT

Order No.	Ø D (mm)	L (mm)	l (mm)		Order No.	Ø D (mm)	L (mm)	l (mm)
186902701	2.7	150	100		186905801	5.8	205	140
186902751	2.75	150	100		186905901	5.9	205	140
186902801	2.8	150	100		186906001	6	205	140
186902901	2.9	150	100		186906101	6.1	215	150
186903001	3	150	100		186906201	6.2	215	150
186903101	3.1	155	105		186906251	6.25	215	150
186903201	3.2	155	105		186906301	6.3	215	150
186903251	3.25	155	105		186906401	6.4	215	150
186903301	3.3	155	105		186906501	6.5	215	150
186903401	3.4	165	115		186906601	6.6	215	150
186903501	3.5	165	115		186906701	6.7	215	150
186903601	3.6	165	115		186906751	6.75	225	155
186903701	3.7	165	115		186906801	6.8	225	155
186903751	3.75	165	115		186906901	6.9	225	155
186903801	3.8	175	120		186907001	7	225	155
186903901	3.9	175	120		186907101	7.1	225	155
186904001	4	175	120		186907201	7.2	225	155
186904101	4.1	175	120		186907251	7.25	225	155
186904201	4.2	175	120		186907301	7.3	225	155
186904251	4.25	175	120		186907401	7.4	225	155
186904301	4.3	185	125		186907501	7.5	225	155
186904401	4.4	185	125		186907601	7.6	240	165
186904501	4.5	185	125		186907701	7.7	240	165
186904601	4.6	185	125		186907751	7.75	240	165
186904701	4.7	185	125		186907801	7.8	240	165
186904751	4.75	185	125		186907901	7.9	240	165
186904801	4.8	195	135		186908001	8	240	165
186904901	4.9	195	135		186908101	8.1	240	165
186905001	5	195	135		186908201	8.2	240	165
186905101	5.1	195	135		186908251	8.25	240	165
186905201	5.2	195	135		186908301	8.3	240	165
186905251	5.25	195	135		186908401	8.4	240	165
186905301	5.3	195	135		186908501	8.5	240	165
186905401	5.4	205	140		186908601	8.6	250	175
186905501	5.5	205	140		186908701	8.7	250	175
186905601	5.6	205	140		186908751	8.75	250	175
186905701	5.7	205	140		186908801	8.8	250	175
186905751	5.75	205	140		186908901	8.9	250	175

Order No.	Ø D (mm)	L (mm)	I (mm)			Order No.	Ø D (mm)	L (mm)	I (mm)
186909001	9	250	175			186911101	11.1	280	195
186909101	9.1	250	175			186911201	11.2	280	195
186909201	9.2	250	175			186911251	11.25	280	195
186909251	9.25	250	175			186911301	11.3	280	195
186909301	9.3	250	175			186911401	11.4	280	195
186909401	9.4	250	175			186911501	11.5	280	195
186909501	9.5	250	175			186911601	11.6	280	195
186909601	9.6	265	185			186911701	11.7	280	195
186909701	9.7	265	185			186911751	11.75	280	195
186909751	9.75	265	185			186911801	11.8	280	195
186909801	9.8	265	185			186911901	11.9	295	205
186909901	9.9	265	185			186912001	12	295	205
186910001	10	265	185			186912101	12.1	295	205
186910101	10.1	265	185			186912201	12.2	295	205
186910201	10.2	265	185			186912251	12.25	295	205
186910251	10.25	265	185			186912301	12.3	295	205
186910301	10.3	265	185			186912401	12.4	295	205
186910401	10.4	265	185			186912501	12.5	295	205
186910501	10.5	265	185			186912601	12.6	295	205
186910601	10.6	265	185			186912701	12.7	295	205
186910701	10.7	280	195			186912751	12.75	295	205
186910751	10.75	280	195			186912801	12.8	295	205
186910901	10.9	280	195			186912901	12.9	295	205
186910901	10.9	280	195			186913001	13	295	205
186911001	11	280	195						

DRILL BIT

HSS DRILL BIT DIN1869

HSS / HSSCo

S2

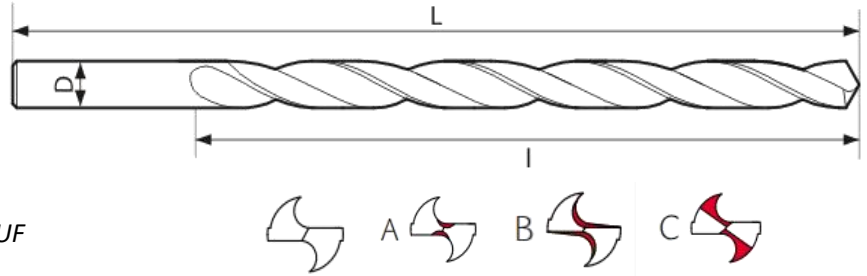
☆ Mostly commonly used drill bit

☆ Point Angle: 118° / 135°

☆ Flute Types: Type N / Type W / Type UF

☆ Right Hand / Left Hand

☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



DRILL BIT

Order No.	Ø D (mm)	L (mm)	l (mm)		Order No.	Ø D (mm)	L (mm)	l (mm)
186902702	2.7	190	130		186905802	5.8	260	180
186902752	2.75	190	130		186905902	5.9	260	180
186902802	2.8	190	130		186906002	6	260	180
186902902	2.9	190	130		186906102	6.1	275	190
186903002	3	190	130		186906202	6.2	275	190
186903102	3.1	200	135		186906252	6.25	275	190
186903202	3.2	200	135		186906302	6.3	275	190
186903252	3.25	200	135		186906402	6.4	275	190
186903302	3.3	200	135		186906502	6.5	275	190
186903402	3.4	210	145		186906602	6.6	275	190
186903502	3.5	210	145		186906702	6.7	275	190
186903602	3.6	210	145		186906752	6.75	290	205
186903702	3.7	210	145		186906802	6.8	290	205
186903752	3.75	210	145		186906902	6.9	290	205
186903802	3.8	220	150		186907002	7	290	205
186903902	3.9	220	150		186907102	7.1	290	205
186904002	4	220	150		186907202	7.2	290	205
186904102	4.1	220	150		186907252	7.25	290	205
186904202	4.2	220	150		186907302	7.3	290	205
186904252	4.25	220	150		186907402	7.4	290	205
186904302	4.3	235	160		186907502	7.5	290	205
186904402	4.4	235	160		186907602	7.6	305	210
186904502	4.5	235	160		186907702	7.7	305	210
186904602	4.6	235	160		186907752	7.75	305	210
186904702	4.7	235	160		186907802	7.8	305	210
186904752	4.75	235	160		186907902	7.9	305	210
186904802	4.8	245	170		186908002	8	305	210
186904902	4.9	245	170		186908102	8.1	305	210
186905002	5	245	170		186908202	8.2	305	210
186905102	5.1	245	170		186908252	8.25	305	210
186905202	5.2	245	170		186908302	8.3	305	210
186905252	5.25	245	170		186908402	8.4	305	210
186905302	5.3	245	170		186908502	8.5	305	210
186905402	5.4	260	180		186908602	8.6	320	220
186905502	5.5	260	180		186908702	8.7	320	220
186905602	5.6	260	180		186908752	8.75	320	220
186905702	5.7	260	180		186908802	8.8	320	220
186905752	5.75	260	180		186908902	8.9	320	220

Order No.	Ø D (mm)	L (mm)	I (mm)			Order No.	Ø D (mm)	L (mm)	I (mm)
186909002	9	320	220			186911102	11.1	365	250
186909102	9.1	320	220			186911202	11.2	365	250
186909202	9.2	320	220			186911252	11.25	365	250
186909252	9.25	320	220			186911302	11.3	365	250
186909302	9.3	320	220			186911402	11.4	365	250
186909402	9.4	320	220			186911502	11.5	365	250
186909502	9.5	320	220			186911602	11.6	365	250
186909602	9.6	340	235			186911702	11.7	365	250
186909702	9.7	340	235			186911752	11.75	365	250
186909752	9.75	340	235			186911802	11.8	365	250
186909802	9.8	340	235			186911902	11.9	375	260
186909902	9.9	340	235			186912002	12	375	260
186910002	10	340	235			186912102	12.1	375	260
186910102	10.1	340	235			186912202	12.2	375	260
186910202	10.2	340	235			186912252	12.25	375	260
186910252	10.25	340	235			186912302	12.3	375	260
186910302	10.3	340	235			186912402	12.4	375	260
186910402	10.4	340	235			186912502	12.5	375	260
186910502	10.5	340	235			186912602	12.6	375	260
186910602	10.6	340	235			186912702	12.7	375	260
186910702	10.7	365	250			186912752	12.75	375	260
186910752	10.75	365	250			186912802	12.8	375	260
186910902	10.9	365	250			186912902	12.9	375	260
186910902	10.9	365	250			186913002	13	375	260
186911002	11	365	250						

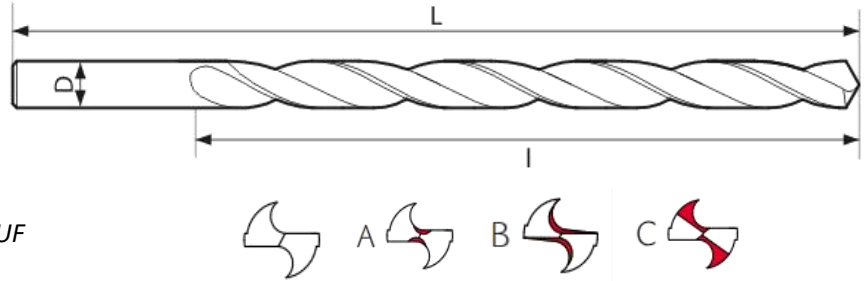
DRILL BIT

HSS DRILL BIT DIN1869

HSS / HSSCo

S3

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 135°
- ☆ Flute Types: Type N / Type W / Type UF
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



Order No.	Ø D (mm)	L (mm)	l (mm)	Order No.	Ø D (mm)	L (mm)	l (mm)
186902703	2.7	265	180	186905803	5.8	330	225
186902753	2.75	265	180	186905903	5.9	330	225
186902803	2.8	265	180	186906003	6	330	225
186902903	2.9	265	180	186906103	6.1	350	235
186903003	3	265	180	186906203	6.2	350	235
186903103	3.1	265	180	186906253	6.25	350	235
186903203	3.2	265	180	186906303	6.3	350	235
186903253	3.25	265	180	186906403	6.4	350	235
186903303	3.3	265	180	186906503	6.5	350	235
186903403	3.4	265	180	186906603	6.6	350	235
186903503	3.5	265	180	186906703	6.7	350	235
186903603	3.6	265	180	186906753	6.75	370	250
186903703	3.7	265	180	186906803	6.8	370	250
186903753	3.75	265	180	186906903	6.9	370	250
186903803	3.8	280	190	186907003	7	370	250
186903903	3.9	280	190	186907103	7.1	370	250
186904003	4	280	190	186907203	7.2	370	250
186904103	4.1	280	190	186907253	7.25	370	250
186904203	4.2	280	190	186907303	7.3	370	250
186904253	4.25	280	190	186907403	7.4	370	250
186904303	4.3	295	200	186907503	7.5	370	250
186904403	4.4	295	200	186907603	7.6	390	265
186904503	4.5	295	200	186907703	7.7	390	265
186904603	4.6	295	200	186907753	7.75	390	265
186904703	4.7	295	200	186907803	7.8	390	265
186904753	4.75	295	200	186907903	7.9	390	265
186904803	4.8	315	210	186908003	8	390	265
186904903	4.9	315	210	186908103	8.1	390	265
186905003	5	315	210	186908203	8.2	390	265
186905103	5.1	315	210	186908253	8.25	390	265
186905203	5.2	315	210	186908303	8.3	390	265
186905253	5.25	315	210	186908403	8.4	390	265
186905303	5.3	315	210	186908503	8.5	390	265
186905403	5.4	330	225	186908603	8.6	410	280
186905503	5.5	330	225	186908703	8.7	410	280
186905603	5.6	330	225	186908753	8.75	410	280
186905703	5.7	330	225	186908803	8.8	410	280
186905753	5.75	330	225	186908903	8.9	410	280

Order No.	Ø D (mm)	L (mm)	I (mm)			Order No.	Ø D (mm)	L (mm)	I (mm)
186909003	9	410	280			186911103	11.1	455	310
186909103	9.1	410	280			186911203	11.2	455	310
186909203	9.2	410	280			186911253	11.25	455	310
186909253	9.25	410	280			186911303	11.3	455	310
186909303	9.3	410	280			186911403	11.4	455	310
186909403	9.4	410	280			186911503	11.5	455	310
186909503	9.5	410	280			186911603	11.6	455	310
186909603	9.6	430	295			186911703	11.7	455	310
186909703	9.7	430	295			186911753	11.75	455	310
186909753	9.75	430	295			186911803	11.8	455	310
186909803	9.8	430	295			186911903	11.9	480	330
186909903	9.9	430	295			186912003	12	480	330
186910003	10	430	295			186912103	12.1	480	330
186910103	10.1	430	295			186912203	12.2	480	330
186910203	10.2	430	295			186912253	12.25	480	330
186910253	10.25	430	295			186912303	12.3	480	330
186910303	10.3	430	295			186912403	12.4	480	330
186910403	10.4	430	295			186912503	12.5	480	330
186910503	10.5	430	295			186912603	12.6	480	330
186910603	10.6	430	295			186912703	12.7	480	330
186910703	10.7	455	310			186912753	12.75	480	330
186910753	10.75	455	310			186912803	12.8	480	330
186910903	10.9	455	310			186912903	12.9	480	330
186910903	10.9	455	310			186913003	13	480	330
186911003	11	455	310						

DRILL BIT

HSS DOUBLE END DRILL BIT

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 135°
- ☆ Flute Types: Type N
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



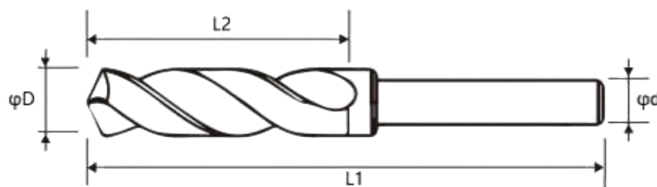
DRILL BIT

Order No.	Ø D (mm)	L (mm)	I (mm)	Order No.	Ø D (mm)	L (mm)	I (mm)
100001900	1.9	38	7	100004800	4.8	62	16
100001950	1.95	38	7	100004900	4.9	62	16
100002000	2	38	7	100005000	5	62	16
100002050	2.05	38	7	100005100	5.1	62	16
100002100	2.1	38	7	100005200	5.2	62	16
100002150	2.15	40	8	100005300	5.3	62	16
100002200	2.2	40	8	100005400	5.4	66	16
100002250	2.25	40	8	100005500	5.5	66	16
100002300	2.3	40	8	100005600	5.6	66	16
100002350	2.35	40	8	100005700	5.7	66	16
100002400	2.4	43	9	100005800	5.8	66	16
100002450	2.45	43	9	100005900	5.9	66	16
100002500	2.5	43	9	100006000	6	66	16
100002550	2.55	43	9	100006100	6.1	70	18
100002600	2.6	43	9	100006200	6.2	70	18
100002650	2.65	43	9	100006300	6.3	70	18
100002700	2.7	46	10	100006400	6.4	70	18
100002750	2.75	46	10	100006500	6.5	70	18
100002800	2.8	46	10	100006600	6.6	70	18
100002900	2.9	46	10	100006700	6.7	70	18
100003000	3	46	10	100006800	6.8	74	19
100003100	3.1	49	10	100006900	6.9	74	19
100003200	3.2	49	10	100007000	7	74	19
100003300	3.3	49	10	100007100	7.1	74	19
100003400	3.4	52	13	100007200	7.2	74	19
100003500	3.5	52	13	100007300	7.3	74	19
100003600	3.6	52	13	100007400	7.4	74	19
100003700	3.7	52	13	100007500	7.5	74	19
100003800	3.8	55	13	100007600	7.6	79	20
100003900	3.9	55	13	100007700	7.7	79	20
100004000	4	55	13	100007800	7.8	79	20
100004100	4.1	55	13	100007900	7.9	79	20
100004200	4.2	55	13	100008000	8	79	20
100004300	4.3	58	16	100008100	8.1	79	20
100004400	4.4	58	16	100008200	8.2	79	20
100004500	4.5	58	16	100008300	8.3	79	20
100004600	4.6	58	16	100008400	8.4	79	20
100004700	4.7	58	16	100008500	8.5	79	20

HSS DRILL BIT IN REDUCED SHANK

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 130°
- ☆ Flute Types: Type N / Type W / Type UF
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



DRILL BIT

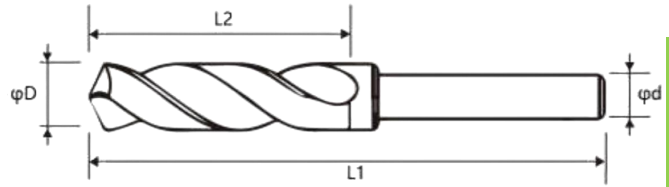
METRIC SERIE

Order No.	Ø D (mm)	L (mm)	I (mm)	SHK	Order No.	Ø D (mm)	L (mm)	I (mm)	SHK
350010000	10	152	76	9.5	345014000	14	152	76	12.7
350010500	10.5	152	76	9.5	345014500	14.5	152	76	12.7
350011000	11	152	76	9.5	345015000	15	152	76	12.7
350011500	11.5	152	76	9.5	345015500	15.5	152	76	12.7
350012000	12	152	76	9.5	345016000	16	152	76	12.7
350012500	12.5	152	76	9.5	345016500	16.5	152	76	12.7
350013000	13	152	76	9.5	345017000	17	152	76	12.7
350013500	13.5	152	76	9.5	345017500	17.5	152	76	12.7
350014000	14	152	76	9.5	345018000	18	152	76	12.7
350014500	14.5	152	76	9.5	345018500	18.5	152	76	12.7
350015000	15	152	76	9.5	345019000	19	152	76	12.7
350015500	15.5	152	76	9.5	345019500	19.5	152	76	12.7
350016000	16	152	76	9.5	345020000	20	152	76	12.7
350016500	16.5	152	76	9.5	345020500	20.5	152	76	12.7
350017000	17	152	76	9.5	345021000	21	152	76	12.7
350017500	17.5	152	76	9.5	345021500	21.5	152	76	12.7
350018000	18	152	76	9.5	345022000	22	152	76	12.7
350018500	18.5	152	76	9.5	345022500	22.5	152	76	12.7
350019000	19	152	76	9.5	345023000	23	152	76	12.7
350019500	19.5	152	76	9.5	345023500	23.5	152	76	12.7
350020000	20	152	76	9.5	345024000	24	152	76	12.7
350020500	20.5	152	76	9.5	345024500	24.5	152	76	12.7
350021000	21	152	76	9.5	345025000	25	152	76	12.7
350021500	21.5	152	76	9.5	345025500	25.5	152	76	12.7
350022000	22	152	76	9.5	345026000	26	152	76	12.7
350022500	22.5	152	76	9.5	345026500	26.5	152	76	12.7
350023000	23	152	76	9.5	345027000	27	152	76	12.7
350023500	23.5	152	76	9.5	345027500	27.5	152	76	12.7
350024000	24	152	76	9.5	345028000	28	152	76	12.7
350024500	24.5	152	76	9.5	345028500	28.5	152	76	12.7
350025000	25	152	76	9.5	345029000	29	152	76	12.7
350013000	13	152	76	12.7	345029500	29.5	152	76	12.7
350013500	13.5	152	76	12.7	345030000	30	152	76	12.7

HSS DRILL BIT IN 1/2" SHK

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 130°
- ☆ Flute Types: Type N / Type W / Type UF
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



DRILL BIT

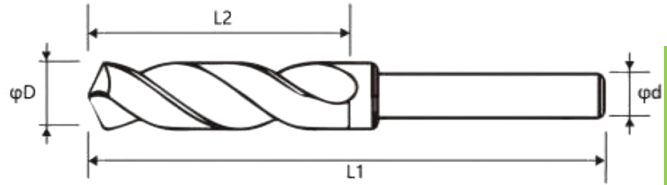
INCH SERIE

Order No.	Ø D (mm)	L (mm)	I (mm)	SHK	Order No.	Ø D (mm)	L (mm)	I (mm)	SHK
351000001	33/64"	6"	3"	1/2"	351000033	1-1/64"	6"	3"	1/2"
351000002	17/32"	6"	3"	1/2"	351000034	1-1/32	6"	3"	1/2"
351000003	35/64"	6"	3"	1/2"	351000035	1-3/64	6"	3"	1/2"
351000004	9/16"	6"	3"	1/2"	351000036	1-1/16	6"	3"	1/2"
351000005	37/64"	6"	3"	1/2"	351000037	1-5/64"	6"	3"	1/2"
351000006	19/32"	6"	3"	1/2"	351000038	1-3/32"	6"	3"	1/2"
351000007	39/64"	6"	3"	1/2"	351000039	1-7/64"	6"	3"	1/2"
351000008	5/8"	6"	3"	1/2"	351000040	1-1/8"	6"	3"	1/2"
351000009	41/64"	6"	3"	1/2"	351000041	1-9/64"	6"	3"	1/2"
351000010	21/32"	6"	3"	1/2"	351000042	1-5/32"	6"	3"	1/2"
351000011	43/64"	6"	3"	1/2"	351000043	1-11/64"	6"	3"	1/2"
351000012	11/16"	6"	3"	1/2"	351000044	1-3/16"	6"	3"	1/2"
351000013	45/64	6"	3"	1/2"	351000045	1-13/64	6"	3"	1/2"
351000014	23/32"	6"	3"	1/2"	351000046	1-7/32	6"	3"	1/2"
351000015	47/64"	6"	3"	1/2"	351000047	1-15/64"	6"	3"	1/2"
351000016	3/4"	6"	3"	1/2"	351000048	1-1/4"	6"	3"	1/2"
351000017	49/64"	6"	3"	1/2"	351000049	1-17/64"	6"	3"	1/2"
351000018	25/32"	6"	3"	1/2"	351000050	1-9/32"	6"	3"	1/2"
351000019	51/64	6"	3"	1/2"	351000051	1-19/64"	6"	3"	1/2"
351000020	13/16	6"	3"	1/2"	351000052	1-5/16"	6"	3"	1/2"
351000021	53/64"	6"	3"	1/2"	351000053	1-21/64"	6"	3"	1/2"
351000022	27/32"	6"	3"	1/2"	351000054	1-11/32"	6"	3"	1/2"
351000023	55/64"	6"	3"	1/2"	351000055	1-23/64	6"	3"	1/2"
351000024	7/8"	6"	3"	1/2"	351000056	1-3/8"	6"	3"	1/2"
351000025	57/64"	6"	3"	1/2"	351000057	1-25/64"	6"	3"	1/2"
351000026	29/32"	6"	3"	1/2"	351000058	1-13/32"	6"	3"	1/2"
351000027	59/64"	6"	3"	1/2"	351000059	1-27/64"	6"	3"	1/2"
351000028	15/16"	6"	3"	1/2"	351000060	1-7/16"	6"	3"	1/2"
351000029	61/64"	6"	3"	1/2"	351000061	1-29/64"	6"	3"	1/2"
351000030	31/32"	6"	3-	1/2"	351000062	1-15/32"	6"	3"	1/2"
351000031	63/64"	6"	3-	1/2"	351000063	1-31/64"	6"	3"	1/2"
351000032	1"	6"	3"	1/2"	351000064	1-1/2"	6"	3"	1/2"

HSS DRILL BIT IN 3/8" SHK

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 130°
- ☆ Flute Types: Type N / Type W / Type UF
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



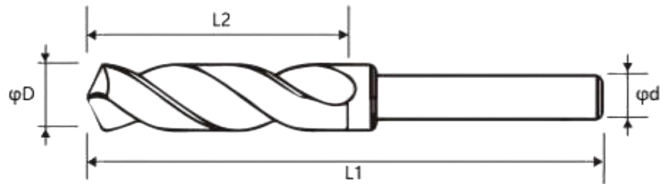
INCH SERIE

Order No.	Ø D (mm)	L (mm)	I (mm)	SHK	Order No.	Ø D (mm)	L (mm)	I (mm)	SHK
352000001	25/64"	6"	3"	3/8"	352000013	37/64"	6"	3"	3/8"
352000002	13/32"	6"	3"	3/8"	352000014	19/32"	6"	3"	3/8"
352000003	27/64"	6"	3"	3/8"	352000015	39/64"	6"	3"	3/8"
352000004	7/16"	6"	3"	3/8"	352000016	5/8"	6"	3"	3/8"
352000005	29/64"	6"	3"	3/8"	352000017	41/64"	6"	3"	3/8"
352000006	15/32"	6"	3"	3/8"	352000018	21/32"	6"	3"	3/8"
352000007	31/64	6"	3"	3/8"	352000019	43/64"	6"	3"	3/8"
352000008	1/2"	6"	3"	3/8"	352000020	11/16"	6"	3"	3/8"
352000009	33/64	6"	3"	3/8"	352000021	45/64"	6"	3"	3/8"
352000010	17/32"	6"	3"	3/8"	352000022	23/32"	6"	3"	3/8"
352000011	35/64"	6"	3"	3/8"	352000023	47/64"	6"	3"	3/8"
352000012	9/16"	6"	3"	3/8"	352000024	3/4"	6"	3"	3/8"

HSS DRILL BIT IN 3/4" SHK

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 130°
- ☆ Flute Types: Type N / Type W / Type UF
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



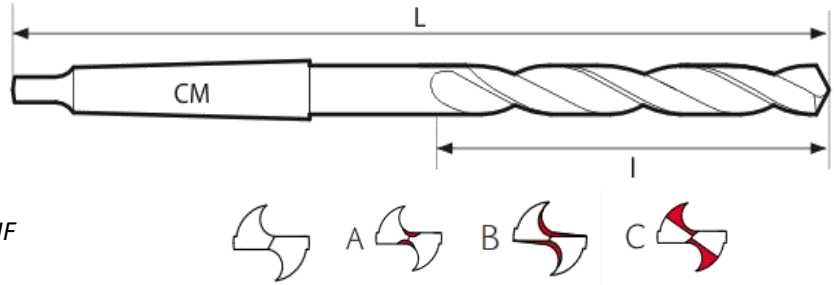
INCH SERIE

Order No.	Ø D (mm)	L (mm)	I (mm)	SHK	Order No.	Ø D (mm)	L (mm)	I (mm)	SHK
353000001	1"	6"	3"	3/4"	353000018	1-17/32-	6"	3"	3/4"
353000002	1-1/32"	6"	3"	3/4"	353000019	1-9/16"	6"	3"	3/4"
353000003	1-1/16"	6"	3"	3/4"	353000020	1-19/32"	6"	3"	3/4"
353000004	1-3/32"	6"	3"	3/4"	353000021	1-5/8"	6"	3"	3/4"
353000005	1-1/8"	6"	3"	3/4"	353000022	1-21/32"	6"	3"	3/4"
353000006	1-5/32-	6"	3"	3/4"	353000023	1-11/16"	6"	3"	3/4"
353000007	1-3/16"	6"	3"	3/4"	353000024	1-23/32"	6"	3"	3/4"
353000008	1-7/32"	6"	3"	3/4"	353000025	1-3/4"	6"	3"	3/4"
353000009	1-1/4"	6"	3"	3/4"	353000026	1-25/32"	6"	3"	3/4"
353000010	1-9/32"	6"	3"	3/4"	353000027	1-13/16	6"	3"	3/4"
353000011	1-5/16"	6"	3"	3/4"	353000028	1-27/32"	6"	3"	3/4"
353000012	1-11/32"	6"	3"	3/4"	353000029	1-7/8"	6"	3"	3/4"
353000013	1-3/8"	6"	3"	3/4"	353000030	1-29/32"	6"	3"	3/4"
353000014	1-13/32 "	6"	3"	3/4"	353000031	1-15/16"	6"	3"	3/4"
353000015	1-7/16"	6"	3"	3/4"	353000032	1-31/32"	6"	3"	3/4"
353000016	1-15/32	6"	3"	3/4"	353000033	2"	6"	3"	3/4"
353000017	1-1/2"	6"	3"	3/4"					

HSS DRILL BIT DIN345

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 130°
- ☆ Flute Types: Type N / Type W / Type UF
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



DRILL BIT

Order No.	Ø D (mm)	L (mm)	I (mm)	MT	Order No.	Ø D (mm)	L (mm)	I (mm)	MT
345004800	4.8	133	52	MT1	345008100	8.1	156	75	MT1
345005000	5	133	52	MT1	345008200	8.2	156	75	MT1
345005100	5.1	133	52	MT1	345008250	8.25	156	75	MT1
345005200	5.2	133	52	MT1	345008300	8.3	156	75	MT1
345005250	5.25	133	52	MT1	345008400	8.4	156	75	MT1
345005300	5.3	133	52	MT1	345008500	8.5	156	75	MT1
345005400	5.4	138	57	MT1	345008600	8.6	162	81	MT1
345005500	5.5	138	57	MT1	345008700	8.7	162	81	MT1
345005600	5.6	138	57	MT1	345008750	8.75	162	81	MT1
345005700	5.7	138	57	MT1	345008800	8.8	162	81	MT1
345005750	5.75	138	57	MT1	345008900	8.9	162	81	MT1
345005800	5.8	138	57	MT1	345009000	9	162	81	MT1
345005900	5.9	138	57	MT1	345009100	9.1	162	81	MT1
345006000	6	138	57	MT1	345009200	9.2	162	81	MT1
345006100	6.1	144	63	MT1	345009250	9.25	162	81	MT1
345006200	6.2	144	63	MT1	345009300	9.3	162	81	MT1
345006250	6.25	144	63	MT1	345009400	9.4	162	81	MT1
345006300	6.3	144	63	MT1	345009500	9.5	162	81	MT1
345006400	6.4	144	63	MT1	345009600	9.6	168	87	MT1
345006500	6.5	144	63	MT1	345009700	9.7	168	87	MT1
345006600	6.6	144	63	MT1	345009750	9.75	168	87	MT1
345006700	6.7	144	63	MT1	345009800	9.8	168	87	MT1
345006750	6.75	150	69	MT1	345009900	9.9	168	87	MT1
345006800	6.8	150	69	MT1	345010000	10	168	87	MT1
345006900	6.9	150	69	MT1	345010100	10.1	168	87	MT1
345007000	7	150	69	MT1	345010200	10.2	168	87	MT1
345007100	7.1	150	69	MT1	345010250	10.25	168	87	MT1
345007200	7.2	150	69	MT1	345010300	10.3	168	87	MT1
345007250	7.25	150	69	MT1	345010400	10.4	168	87	MT1
345007300	7.3	150	69	MT1	345010500	10.5	168	87	MT1
345007400	7.4	150	69	MT1	345010600	10.6	168	87	MT1
345007500	7.5	150	69	MT1	345010700	10.7	175	94	MT1
345007600	7.6	156	75	MT1	345010750	10.75	175	94	MT1
345007700	7.7	156	75	MT1	345010800	10.8	175	94	MT1
345007750	7.75	156	75	MT1	345010900	10.9	175	94	MT1
345007800	7.8	156	75	MT1	345011000	11	175	94	MT1
345007900	7.9	156	75	MT1	345011100	11.1	175	94	MT1
345008000	8	156	75	MT1	345011200	11.2	175	94	MT1

Order No.	Ø D (mm)	L (mm)	I (mm)	MT	Order No.	Ø D (mm)	L (mm)	I (mm)	MT
345011250	11.25	175	94	MT1	345013300	13.3	189	108	MT1
345011300	11.3	175	94	MT1	345013400	13.4	189	108	MT1
345011400	11.4	175	94	MT1	345013500	13.5	189	108	MT1
345011500	11.5	175	94	MT1	345013600	13.6	189	108	MT1
345011600	11.6	175	94	MT1	345013700	13.7	189	108	MT1
345011700	11.7	175	94	MT1	345013750	13.75	189	108	MT1
345011750	11.75	175	94	MT1	345013800	13.8	189	108	MT1
345011800	11.8	175	94	MT1	345013900	13.9	189	108	MT1
345011900	11.9	182	101	MT1	345014000	14	189	108	MT1
345012000	12	182	101	MT1	345015000	15	212	114	MT2
345012100	12.1	182	101	MT1	345016000	16	218	120	MT2
345012200	12.2	182	101	MT1	345017000	17	223	125	MT2
345012250	12.25	182	101	MT1	345018000	18	228	130	MT2
345012300	12.3	182	101	MT1	345019000	19	233	135	MT2
345012400	12.4	182	101	MT1	345020000	20	238	140	MT2
345012500	12.5	182	101	MT1	345021200	21.2	243	145	MT2
345012600	12.6	182	101	MT1	345022000	22	248	150	MT2
345012700	12.7	182	101	MT1	345022400	22.4	248	150	MT2
345012750	12.75	182	101	MT1	345023020	23.02	253	155	MT2
345012800	12.8	182	101	MT1	345023600	23.6	276	155	MT3
345012900	12.9	182	101	MT1	345025000	25	281	160	MT3
345013000	13	182	101	MT1	345026500	26.5	286	165	MT3
345013100	13.1	182	101	MT1	345028000	28	291	170	MT3
345013200	13.2	182	101	MT1	345030000	30	296	175	MT3
345013250	13.25	189	108	MT1					

DRILL BIT

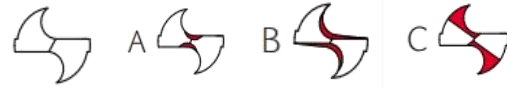
HSS DRILL BIT DIN341

HSS / HSSCo



DRILL BIT

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 130°
- ☆ Flute Types: Type N / Type W / Type UF
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



Order No.	Ø D (mm)	L (mm)	I (mm)	MT	Order No.	Ø D (mm)	L (mm)	I (mm)	MT
341004800	4.8	155	74	MT1	341008100	8.1	181	100	MT1
341005000	5	155	74	MT1	341008200	8.2	181	100	MT1
341005100	5.1	155	74	MT1	341008250	8.25	181	100	MT1
341005200	5.2	155	74	MT1	341008300	8.3	181	100	MT1
341005250	5.25	155	74	MT1	341008400	8.4	181	100	MT1
341005300	5.3	155	74	MT1	341008500	8.5	181	100	MT1
341005400	5.4	161	80	MT1	341008600	8.6	188	107	MT1
341005500	5.5	161	80	MT1	341008700	8.7	188	107	MT1
341005600	5.6	161	80	MT1	341008750	8.75	188	107	MT1
341005700	5.7	161	80	MT1	341008800	8.8	188	107	MT1
341005750	5.75	161	80	MT1	341008900	8.9	188	107	MT1
341005800	5.8	161	80	MT1	341009000	9	188	107	MT1
341005900	5.9	161	80	MT1	341009100	9.1	188	107	MT1
341006000	6	161	80	MT1	341009200	9.2	188	107	MT1
341006100	6.1	167	86	MT1	341009250	9.25	188	107	MT1
341006200	6.2	167	86	MT1	341009300	9.3	188	107	MT1
341006250	6.25	167	86	MT1	341009400	9.4	188	107	MT1
341006300	6.3	167	86	MT1	341009500	9.5	188	107	MT1
341006400	6.4	167	86	MT1	341009600	9.6	197	116	MT1
341006500	6.5	167	86	MT1	341009700	9.7	197	116	MT1
341006600	6.6	167	86	MT1	341009750	9.75	197	116	MT1
341006700	6.7	167	86	MT1	341009800	9.8	197	116	MT1
341006750	6.75	174	93	MT1	341009900	9.9	197	116	MT1
341006800	6.8	174	93	MT1	341010000	10	197	116	MT1
341006900	6.9	174	93	MT1	341010100	10.1	197	116	MT1
341007000	7	174	93	MT1	341010200	10.2	197	116	MT1
341007100	7.1	174	93	MT1	341010250	10.25	197	116	MT1
341007200	7.2	174	93	MT1	341010300	10.3	197	116	MT1
341007250	7.25	174	93	MT1	341010400	10.4	197	116	MT1
341007300	7.3	174	93	MT1	341010500	10.5	197	116	MT1
341007400	7.4	174	93	MT1	341010600	10.6	197	116	MT1
341007500	7.5	174	93	MT1	341010700	10.7	206	125	MT1
341007600	7.6	181	100	MT1	341010750	10.75	206	125	MT1
341007700	7.7	181	100	MT1	341010800	10.8	206	125	MT1
341007750	7.75	181	100	MT1	341010900	10.9	206	125	MT1
341007800	7.8	181	100	MT1	341011000	11	206	125	MT1
341007900	7.9	181	100	MT1	341011100	11.1	206	125	MT1
341008000	8	181	100	MT1	341011200	11.2	206	125	MT1

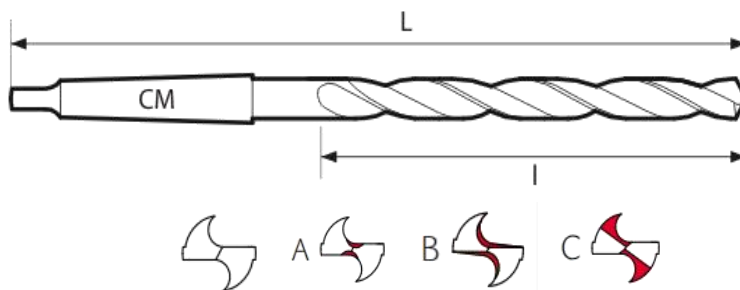
Order No.	Ø D (mm)	L (mm)	I (mm)	MT	Order No.	Ø D (mm)	L (mm)	I (mm)	MT
341011250	11.25	206	125	MT1	341013300	13.3	223	142	MT1
341011300	11.3	206	125	MT1	341013400	13.4	223	142	MT1
341011400	11.4	206	125	MT1	341013500	13.5	223	142	MT1
341011500	11.5	206	125	MT1	341013600	13.6	223	142	MT1
341011600	11.6	206	125	MT1	341013700	13.7	223	142	MT1
341011700	11.7	206	125	MT1	341013750	13.75	223	142	MT1
341011750	11.75	206	125	MT1	341013800	13.8	223	142	MT1
341011800	11.8	206	125	MT1	341013900	13.9	223	142	MT1
341011900	11.9	215	134	MT1	341014000	14	223	142	MT1
341012000	12	215	134	MT1	341015000	15	245	147	MT2
341012100	12.1	215	134	MT1	341016000	16	251	153	MT2
341012200	12.2	215	134	MT1	341017000	17	257	159	MT2
341012250	12.25	215	134	MT1	341018000	18	263	165	MT2
341012300	12.3	215	134	MT1	341019000	19	269	171	MT2
341012400	12.4	215	134	MT1	341020000	20	275	177	MT2
341012500	12.5	215	134	MT1	341021200	21.2	282	184	MT2
341012600	12.6	215	134	MT1	341022000	22	289	191	MT2
341012700	12.7	215	134	MT1	341022400	22.4	289	191	MT2
341012750	12.75	215	134	MT1	341023020	23.02	296	198	MT2
341012800	12.8	215	134	MT1	341023600	23.6	319	198	MT3
341012900	12.9	215	134	MT1	341025000	25	327	206	MT3
341013000	13	215	134	MT1	341026500	26.5	335	214	MT3
341013100	13.1	215	134	MT1	341028000	28	343	222	MT3
341013200	13.2	215	134	MT1	341030000	30	351	230	MT3
341013250	13.25	223	142	MT1					

DRILL BIT

HSS DRILL BIT DIN1870

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 118° / 130°
- ☆ Flute Types: Type N / Type W / Type UF
- ☆ Right Hand / Left Hand
- ☆ Surface: Bright / Oxide / Bronze / TiN / TiCN



Order No.	Ø D	L (mm)	I (mm)	Serie	MT	Order No.	Ø D	L (mm)	I (mm)	Serie	MT
187008001	8	181	100	1	MT1	187015001	15	245	147	1	MT2
187008002	8	256	165	2	MT1	187015002	15	340	220	2	MT2
187008501	8.5	181	100	1	MT1	187015003	15	425	275	3	MT2
187008502	8.5	256	165	2	MT1	187015501	15.5	251	153	1	MT2
187009001	9	188	107	1	MT1	187015502	15.5	355	230	2	MT2
187009002	9	275	175	2	MT1	187015503	15.5	445	295	3	MT2
187009501	9.5	188	107	1	MT1	187016001	16	251	153	1	MT2
187009502	9.5	275	175	2	MT1	187016002	16	355	230	2	MT2
187010001	10	197	116	1	MT1	187016003	16	445	295	3	MT2
187010002	10	285	185	2	MT1	187016501	16.5	257	159	1	MT2
187010003	10	360	235	3	MT1	187016502	16.5	355	230	2	MT2
187010501	10.5	197	160	1	MT1	187016503	16.5	445	295	3	MT2
187010502	10.5	285	185	2	MT1	187017001	17	257	159	1	MT2
187010503	10.5	360	235	3	MT1	187017002	17	355	230	2	MT2
187011001	11	206	125	1	MT1	187017003	17	445	295	3	MT2
187011002	11	300	195	2	MT1	187017501	17.5	263	165	1	MT2
187011003	11	375	250	3	MT1	187017502	17.5	370	245	2	MT2
187011501	11.5	206	125	1	MT1	187017503	17.5	465	310	3	MT2
187011502	11.5	300	195	2	MT1	187018001	18	263	165	1	MT2
187011503	11.5	375	250	3	MT1	187018002	18	370	245	2	MT2
187012001	12	215	134	1	MT1	187018003	18	465	310	3	MT2
187012002	12	310	205	2	MT1	187018501	18.5	269	171	1	MT2
187012003	12	395	260	3	MT1	187018502	18.5	370	245	2	MT2
187012501	12.5	215	134	1	MT1	187018503	18.5	465	310	3	MT2
187012502	12.5	310	205	2	MT1	187019001	19	269	171	1	MT2
187012503	12.5	395	260	3	MT1	187019002	19	370	245	2	MT2
187013001	13	215	134	1	MT1	187019003	19	465	310	3	MT2
187013002	13	310	205	2	MT1	187019501	19.5	275	177	1	MT2
187013003	13	395	260	3	MT1	187019502	19.5	385	260	2	MT2
187013501	13.5	223	142	1	MT1	187019503	19.5	490	325	3	MT2
187013502	13.5	325	220	2	MT1	187020001	20	275	177	1	MT2
187013503	13.5	410	275	3	MT1	187020002	20	385	260	2	MT2
187014001	14	223	142	1	MT1	187020003	20	490	325	3	MT2
187014002	14	325	220	2	MT1	187020501	20.5	282	184	1	MT2
187014003	14	410	275	3	MT1	187020502	20.5	385	260	2	MT2
187014501	14.5	245	147	1	MT2	187020503	20.5	490	325	3	MT2
187014502	14.5	340	220	2	MT2	187021001	21	282	184	1	MT2
187014503	14.5	425	275	3	MT2	187021002	21	385	260	2	MT2

Order No.	Ø D	L (mm)	I (mm)	Serie	MT	Order No.	Ø D	L (mm)	I (mm)	Serie	MT
187021003	21	490	325	3	MT2	187029502	29.5	460	305	2	MT3
187021501	21.5	289	191	1	MT2	187029503	29.5	580	385	3	MT3
187021502	21.5	405	270	2	MT2	187030001	30	351	230	1	MT3
187021503	21.5	515	345	3	MT2	187030002	30	460	305	2	MT3
187022001	22	289	191	1	MT2	187030003	30	580	385	3	MT3
187022002	22	405	270	2	MT2	187031001	31	360	239	1	MT3
187022003	22	515	345	3	MT2	187031002	31	480	320	2	MT3
187022501	22.5	296	198	1	MT2	187031003	31	610	410	3	MT3
187022502	22.5	405	270	2	MT2	187032001	32	397	248	1	MT4
187022503	22.5	515	345	3	MT2	187032002	32	505	320	2	MT4
187023001	23	296	198	1	MT2	187032003	32	635	410	3	MT4
187023002	23	405	270	2	MT2	187033001	33	397	248	1	MT4
187023003	23	515	345	3	MT2	187033002	33	505	320	2	MT4
187023501	23.5	319	198	1	MT3	187033003	33	635	410	3	MT4
187023502	23.5	425	270	2	MT3	187034001	34	406	257	1	MT4
187023503	23.5	535	345	3	MT3	187034002	34	530	340	2	MT4
187024001	24	327	206	1	MT3	187034003	34	665	430	3	MT4
187024002	24	440	290	2	MT3	187035001	35	406	257	1	MT4
187024003	24	555	365	3	MT3	187035002	35	530	340	2	MT4
187024501	24.5	327	206	1	MT3	187035003	35	665	430	3	MT4
187024502	24.5	440	290	2	MT3	187036001	36	416	267	1	MT4
187024503	24.5	555	365	3	MT3	187036002	36	530	340	2	MT4
187025001	25	327	206	1	MT3	187036003	36	665	430	3	MT4
187025002	25	440	290	2	MT3	187037001	37	416	267	1	MT4
187025003	25	555	365	3	MT3	187037002	37	530	340	2	MT4
187025501	25.5	335	214	1	MT3	187037003	37	665	430	3	MT4
187025502	25.5	440	290	2	MT3	187038001	38	426	277	1	MT4
187025503	25.5	555	365	3	MT3	187038002	38	555	360	2	MT4
187026001	26	335	214	1	MT3	187038003	38	695	460	3	MT4
187026002	26	440	290	2	MT3	187039001	39	426	277	1	MT4
187026003	26	555	365	3	MT3	187039002	39	555	360	2	MT4
187026501	26.5	335	214	1	MT3	187039003	39	695	460	3	MT4
187026502	26.5	440	290	2	MT3	187040001	40	426	277	1	MT4
187026503	26.5	555	365	3	MT3	187040002	40	555	360	2	MT4
187027001	27	343	222	1	MT3	187040003	40	695	460	3	MT4
187027002	27	460	305	2	MT3	187041001	41	436	287	1	MT4
187027003	27	580	385	3	MT3	187041002	41	555	360	2	MT4
187027501	27.5	343	222	1	MT3	187041003	41	695	460	3	MT4
187027502	27.5	460	305	2	MT3	187042001	42	436	287	1	MT4
187027503	27.5	580	385	3	MT3	187042002	42	555	360	2	MT4
187028001	28	343	222	1	MT3	187042003	42	695	460	3	MT4
187028002	28	460	305	2	MT3	187043001	43	447	298	1	MT4
187028003	28	580	385	3	MT3	187043002	43	585	385	2	MT4
187028501	28.5	351	230	1	MT3	187043003	43	735	490	3	MT4
187028502	28.5	460	305	2	MT3	187044001	44	447	298	1	MT4
187029001	29	351	230	1	MT3	187044003	44	735	490	3	MT4
187029002	29	460	305	2	MT3	187045001	45	447	298	1	MT4
187029003	29	580	385	3	MT3	187045002	45	585	385	2	MT4
187029501	29.5	351	230	1	MT3	187045003	45	735	490	3	MT4

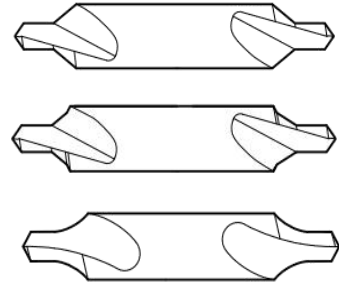
DRILL BIT

Order No.	Ø D	L (mm)	I (mm)	Serie	MT	Order No.	Ø D	L (mm)	I (mm)	Serie	MT	DRILL BIT
187046001	46	459	310	1	MT4	187048003	48	765	510	3	MT4	
187046002	46	585	385	2	MT4	187049001	49	470	321	1	MT4	
187046003	46	735	490	3	MT4	187049002	49	605	405	2	MT4	
187047001	47	459	310	1	MT4	187049003	49	765	510	3	MT4	
187047002	47	585	385	2	MT4	187050001	50	470	321	1	MT4	
187047003	47	735	490	3	MT4	187050002	50	605	405	2	MT4	
187048001	48	470	321	1	MT4	187050003	50	765	510	3	MT4	
187048002	48	605	405	2	MT4							

HSS DRILL BIT DIN333

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 60° / 90°
- ☆ Point Types: Type A / Type B / Type R
- ☆ Right Hand
- ☆ Surface: Bright



DRILL BIT

Type A

Order No.	Ø d (mm)	Ø D(mm)	L (mm)	Order No.	Ø d (mm)	Ø D(mm)	L (mm)
333001001	1	3.15	31.5	333004001	4	10	56
333001251	1.25	3.15	31.5	333005001	5	12.5	63
333001601	1.6	4	35.5	333006301	6.3	16	71
333002001	2	5	40	333008001	8	20	80
333002501	2.5	6.3	45	333010001	10	25	100
333003151	3.15	8	50	333012501	12.5	31.5	125

Type B

Order No.	Ø d (mm)	Ø D(mm)	L (mm)	Order No.	Ø d (mm)	Ø D(mm)	L (mm)
333001002	1	4	35.5	333004002	4	14	67
333001252	1.25	5	40	333005002	5	18	75
333001602	1.6	6.3	45	333006302	6.3	20	80
333002002	2	8	50	333008002	8	25	100
333002502	2.5	10	56	333010002	10	31.5	125
333003152	3.15	11.2	60				

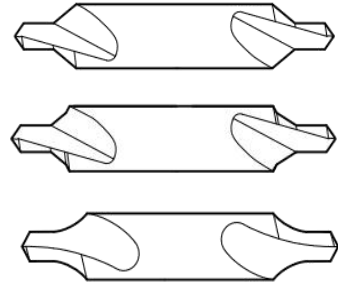
Type R

Order No.	Ø d (mm)	Ø D(mm)	L (mm)	Order No.	Ø d (mm)	Ø D(mm)	L (mm)
333001003	1	3.15	31.5	333004003	4	10	56
333001253	1.25	3.15	31.5	333005003	5	12.5	63
333001603	1.6	4	35.5	333006303	6.3	16	71
333002003	2	5	40	333008003	8	20	80
333002503	2.5	6.3	45	333010003	10	25	100
333003153	3.15	8	50	333012503	12.5	31.5	125

HSS DRILL BIT B94.11M

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Point Angle: 60° / 90°
- ☆ Point Types: Type A / Type B / Type R
- ☆ Right Hand
- ☆ Surface: Bright



DRILL BIT

ANSI

Type A

Order No.	Ø d (mm)	Ø D(mm)	L (mm)		Order No.	Ø d (mm)	Ø D(mm)	L (mm)	
94110000	1/32	1/8	1-1/8	0#	94110005	3/16	7/16	2-3/4	5#
94110001	3/64	1/8	1-1/4	1#	94110006	7/32	1/2	3	6#
94110002	5/64	3/16	1-7/8	2#	94110007	1/4	5/8	3-1/4	7#
94110003	7/64	1/4	2	3#	94110008	5/16	3/4	3-1/2	8#
94110004	1/8	5/16	2-1/8	4#					

ANSI

Type B

Order No.	Ø d (mm)	Ø D(mm)	L (mm)		Order No.	Ø d (mm)	Ø D(mm)	L (mm)	
94110011	3/64	1/8	1-1/4	11#	94110015	5/32	7/16	2-3/4	15#
94110012	1/16	3/16	1-7/8	12#	94110016	3/16	1/2	3	16#
94110013	3/32	1/4	2	13#	94110017	7/32	5/8	3-1/4	17#
94110014	7/64	5/16	2-1/8	14#	94110018	1/4	3/4	3-1/2	18#

ANSI

Type R

Order No.	Ø d (mm)	Ø D(mm)	L (mm)		Order No.	Ø d (mm)	Ø D(mm)	L (mm)	
94110011	3/64	1/8	1-1/4	1#	94110015	3/16	7/16	2-3/4	5#
94110012	5/64	3/16	1-7/8	2#	94110016	7/32	1/2	3	6#
94110013	7/64	1/4	2	3#	94110017	1/4	5/8	3-1/4	7#
94110014	1/8	5/16	2-1/8	4#	94110018	5/16	3/4	3-1/2	8#

BS

Type A

Order No.	Ø d (mm)	Ø D(mm)	L (mm)		Order No.	Ø d (mm)	Ø D(mm)	L (mm)	
94110020	1/64	1/8	1-1/4	BS0	94110024	1/8	5/16	2-1/4	BS4
94110021	1/32	1/8	1-1/2	BS1	94110025	3/16	7/16	2-1/2	BS5
94110022	1/16	3/16	1-3/4	BS2	94110026	1/4	5/8	3	BS6
94110023	3/32	1/4	2	BS3	94110027	5/16	3/4	3-1/2	BS7

HSS STEP DRILL

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Flute Types: Straight Flute / Spiral Flute
- ☆ Shank Types: Round Shank / Flat Shank / Hexagon Shank
- ☆ Right Hand
- ☆ Surface: Bright / TiN / TiCN

DRILL BIT

Order No.	Ø D (mm)	d (mm)	L (mm)	Steps	Order No.	Ø D (mm)	d (mm)	L (mm)	Steps
110001000	4-10	6	65	7	110001004	4-39	10	107	13
110001000	4-12	6	65	5	110001005	5-35	13	78	13
110001000	4-12	6	65	9	110001006	6-37	12	100	12
110001001	4-20	8	75	13	110001007	6-38	12	100	12
110001002	4-30	10	100	14	110001008	6-50	13	100	12
110001003	4-32	10	104	15					



HSS CONICAL DRILL

HSS / HSSCo

- ☆ Mostly commonly used drill bit
- ☆ Flute Types: Straight Flute / Spiral Flute
- ☆ Shank Types: Round Shank / Flat Shank / Hexagon Shank
- ☆ Right Hand
- ☆ Surface: Bright / Oxide / TiN / TiCN

DRILL BIT

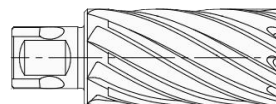
Order No.	Ø D (mm)	d (mm)	L (mm)			Order No.	Ø D (mm)	d (mm)	L (mm)
100002000	3-14	6	58			100002004	16-30.5	13	103
100002001	4-20	8	67			100002005	5-25.4	10	87
100002002	4-31	9	103			100002006	5-31	10	103
100002003	5-20	8	71			100002007	5-22.5	8	79



HSS ANNULAR CUTTER

HSS/HSSE

HAC25L/HAC50L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$
FEIN QUICK-IN SHANK $\Phi 18$, THREAD SHANK M18, ROUND SHANK $\Phi 15.875$

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)
HAC25L-12	12	25	HAC25L-30	30	25	HAC25L-48	48	25
HAC25L-13	13	25	HAC25L-31	31	25	HAC25L-49	49	25
HAC25L-14	14	25	HAC25L-32	32	25	HAC25L-50	50	25
HAC25L-15	15	25	HAC25L-33	33	25	HAC25L-51	51	25
HAC25L-16	16	25	HAC25L-34	34	25	HAC25L-52	52	25
HAC25L-17	17	25	HAC25L-35	35	25	HAC25L-53	53	25
HAC25L-18	18	25	HAC25L-36	36	25	HAC25L-54	54	25
HAC25L-19	19	25	HAC25L-37	37	25	HAC25L-55	55	25
HAC25L-20	20	25	HAC25L-38	38	25	HAC25L-56	56	25
HAC25L-21	21	25	HAC25L-39	39	25	HAC25L-57	57	25
HAC25L-22	22	25	HAC25L-40	40	25	HAC25L-58	58	25
HAC25L-23	23	25	HAC25L-41	41	25	HAC25L-59	59	25
HAC25L-24	24	25	HAC25L-42	42	25	HAC25L-60	60	25
HAC25L-25	25	25	HAC25L-43	43	25	HAC25L-61	61	25
HAC25L-26	26	25	HAC25L-44	44	25	HAC25L-62	62	25
HAC25L-27	27	25	HAC25L-45	45	25	HAC25L-63	63	25
HAC25L-28	28	25	HAC25L-46	46	25	HAC25L-64	64	25
HAC25L-29	29	25	HAC25L-47	47	25	HAC25L-65	65	25

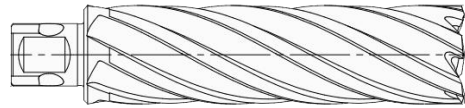
metric serie

Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)
12	12	50	30	30	50	48	48	50
13	13	50	31	31	50	49	49	50
14	14	50	32	32	50	50	50	50
15	15	50	33	33	50	51	51	50
16	16	50	34	34	50	52	52	50
17	17	50	35	35	50	53	53	50
18	18	50	36	36	50	54	54	50
19	19	50	37	37	50	55	55	50
20	20	50	38	38	50	56	56	50
21	21	50	39	39	50	57	57	50
22	22	50	40	40	50	58	58	50
23	23	50	41	41	50	59	59	50
24	24	50	42	42	50	60	60	50
25	25	50	43	43	50	61	61	50
26	26	50	44	44	50	62	62	50
27	27	50	45	45	50	63	63	50
28	28	50	46	46	50	64	64	50
29	29	50	47	47	50	65	65	50

HSS ANNULAR CUTTER

HSS/HSSE

HAC75L/HAC100L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$
FEIN QUICK-IN SHANK $\Phi 18$, THREAD SHANK M18, ROUND SHANK $\Phi 15.875$

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)
HAC75L-16	16	75	HAC75L-31	31	75	HAC75L-46	46	75
HAC75L-17	17	75	HAC75L-32	32	75	HAC75L-47	47	75
HAC75L-18	18	75	HAC75L-33	33	75	HAC75L-48	48	75
HAC75L-19	19	75	HAC75L-34	34	75	HAC75L-49	49	75
HAC75L-20	20	75	HAC75L-35	35	75	HAC75L-50	50	75
HAC75L-21	21	75	HAC75L-36	36	75	HAC75L-51	51	75
HAC75L-22	22	75	HAC75L-37	37	75	HAC75L-52	52	75
HAC75L-23	23	75	HAC75L-38	38	75	HAC75L-53	53	75
HAC75L-24	24	75	HAC75L-39	39	75	HAC75L-54	54	75
HAC75L-25	25	75	HAC75L-40	40	75	HAC75L-55	55	75
HAC75L-26	26	75	HAC75L-41	41	75	HAC75L-56	56	75
HAC75L-27	27	75	HAC75L-42	42	75	HAC75L-57	57	75
HAC75L-28	28	75	HAC75L-43	43	75	HAC75L-58	58	75
HAC75L-29	29	75	HAC75L-44	44	75	HAC75L-59	59	75
HAC75L-30	30	75	HAC75L-45	45	75	HAC75L-60	60	75

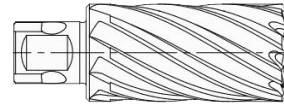
metric serie

Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)	Order No.	$\emptyset D$	L (mm)
HAC100L-18	18	100	HAC100L-33	33	100	HAC100L-48	48	100
HAC100L-19	19	100	HAC100L-34	34	100	HAC100L-49	49	100
HAC100L-20	20	100	HAC100L-35	35	100	HAC100L-50	50	100
HAC100L-21	21	100	HAC100L-36	36	100	HAC100L-51	51	100
HAC100L-22	22	100	HAC100L-37	37	100	HAC100L-52	52	100
HAC100L-23	23	100	HAC100L-38	38	100	HAC100L-53	53	100
HAC100L-24	24	100	HAC100L-39	39	100	HAC100L-54	54	100
HAC100L-25	25	100	HAC100L-40	40	100	HAC100L-55	55	100
HAC100L-26	26	100	HAC100L-41	41	100	HAC100L-56	56	100
HAC100L-27	27	100	HAC100L-42	42	100	HAC100L-57	57	100
HAC100L-28	28	100	HAC100L-43	43	100	HAC100L-58	58	100
HAC100L-29	29	100	HAC100L-44	44	100	HAC100L-59	59	100
HAC100L-30	30	100	HAC100L-45	45	100	HAC100L-60	60	100
HAC100L-31	31	100	HAC100L-46	46	100			
HAC100L-32	32	100	HAC100L-47	47	100			

HSS ANNULAR CUTTER

HSS/HSSE

HMAC14L



ANNULAR
CUTTER

metric serie

☆ Shank Types: WELDON SHANK $\Phi 31.75$ - suitable for dia. > 60mm

Order No.	ΦD	L (mm)
HAC25L-61	61	25
HAC25L-62	62	25
HAC25L-63	63	25
HAC25L-64	64	25
HAC50L-61	61	50
HAC50L-62	62	50
HAC50L-63	63	50
HAC50L-64	64	50

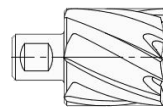
Order No.	ΦD	L (mm)
HAC25L-65	65	25
HAC25L-66	66	25
HAC25L-67	67	25
HAC25L-68	68	25
HAC50L-65	65	50
HAC50L-66	66	50
HAC50L-67	67	50
HAC50L-68	68	50

Order No.	ΦD	L (mm)
HAC25L-69	69	25
HAC25L-70	70	25
HAC50L-69	69	50
HAC50L-70	70	50

HSS MINI ANNULAR CUTTER

HSS/HSSE

HMAC14L



☆ Shank Types: weldon shank $\Phi 9.525$.

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	ΦD	L (mm)
HMAC14L-8	8	14
HMAC14L-10	10	14
HMAC14L-12	12	14
HMAC14L-13	13	14

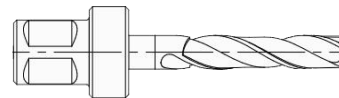
Order No.	ΦD	L (mm)
HMAC14L-14	14	14
HMAC14L-16	16	14
HMAC14L-18	18	14
HMAC14L-20	20	14

Order No.	ΦD	L (mm)
HMAC14L-22	22	14
HMAC14L-24	24	14
HMAC14L-25	25	14

HSS SOLID ANNULAR CUTTER

HSS/HSSE

HSAC25L/HSAC50L



☆ Shank Types: weldon shank $\Phi 19.05$,

☆ Surface: Bright / TiN / TiAlN / AlTiN

metric serie

Order No.	ΦD	L (mm)
HSAC20L-18	18	25
HSAC21L-19	19	25
HSAC22L-20	20	25
HSAC23L-21	21	25
HSAC24L-22	22	25
HSAC25L-23	23	25

Order No.	ΦD	L (mm)
HSAC20L-24	24	25
HSAC21L-25	25	25
HSAC22L-26	26	25
HSAC23L-27	27	25
HSAC24L-28	28	25
HSAC25L-29	29	25

Order No.	ΦD	L (mm)
HSAC20L-30	30	25
HSAC21L-31	31	25
HSAC22L-32	32	25
HSAC23L-33	33	25
HSAC24L-34	34	25
HSAC25L-35	35	25

Order No.	ΦD	L (mm)
HSAC50L-18	18	50
HSAC50L-19	19	50
HSAC50L-20	20	50
HSAC50L-21	21	50
HSAC50L-22	22	50
HSAC50L-23	23	50

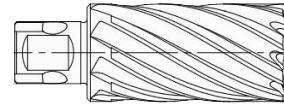
Order No.	ΦD	L (mm)
HSAC50L-24	24	50
HSAC50L-25	25	50
HSAC50L-26	26	50
HSAC50L-27	27	50
HSAC50L-28	28	50
HSAC50L-29	29	50

Order No.	ΦD	L (mm)
HSAC50L-30	30	50
HSAC50L-31	31	50
HSAC50L-32	32	50
HSAC50L-33	33	50
HSAC50L-34	34	50
HSAC50L-35	35	50

HSS ANNULAR CUTTER

HSS/HSSE

HAC1L/HAC2L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$

☆ Surface: Bright / TiN / TiAlN / AlTiN

inch serie

Order No.	$\emptyset D$	L (")
HAC1L-4375	7/16	1
HAC1L-5000	1/2	1
HAC1L-5625	9/16	1
HAC1L-6250	5/8	1
HAC1L-6875	11/16	1
HAC1L-7500	3/4	1
HAC1L-8125	13/16	1
HAC1L-8750	7/8	1
HAC1L-9375	15/16	1
HAC1L-10000	1	1
HAC1L-10625	1 1/16	1

Order No.	$\emptyset D$	L (")
HAC1L-11250	1 1/8	1
HAC1L-11875	1 3/16	1
HAC1L-12500	1 1/4	1
HAC1L-13125	1 5/16	1
HAC1L-13750	1 3/8	1
HAC1L-14375	1 7/16	1
HAC1L-15000	1 1/2	1
HAC1L-15625	1 9/16	1
HAC1L-16250	1 5/8	1
HAC1L-16875	1 11/16	1
HAC1L-17500	1 3/4	1

Order No.	$\emptyset D$	L (")
HAC1L-18125	1 13/16	1
HAC1L-18750	1 7/8	1
HAC1L-19375	1 15/16	1
HAC1L-20000	2	1
HAC1L-20625	2 1/16	1
HAC1L-21250	2 1/8	1
HAC1L-21875	2 3/16	1
HAC1L-22500	2 1/4	1
HAC1L-23125	2 5/16	1
HAC1L-23750	2 3/8	1

inch serie

Order No.	$\emptyset D$	L (")
HAC2L-4375	7/16	1
HAC2L-5000	1/2	1
HAC2L-5625	9/16	1
HAC2L-6250	5/8	1
HAC2L-6875	11/16	1
HAC2L-7500	3/4	1
HAC2L-8125	13/16	1
HAC2L-8750	7/8	1
HAC2L-9375	15/16	1
HAC2L-10000	1	1
HAC2L-10625	1 1/16	1

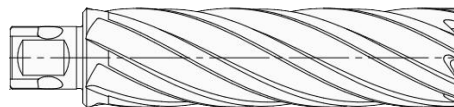
Order No.	$\emptyset D$	L (")
HAC2L-11250	1 1/8	1
HAC2L-11875	1 3/16	1
HAC2L-12500	1 1/4	1
HAC2L-13125	1 5/16	1
HAC2L-13750	1 3/8	1
HAC2L-14375	1 7/16	1
HAC2L-15000	1 1/2	1
HAC2L-15625	1 9/16	1
HAC2L-16250	1 5/8	1
HAC2L-16875	1 11/16	1
HAC2L-17500	1 3/4	1

Order No.	$\emptyset D$	L (")
HAC2L-18125	1 13/16	1
HAC2L-18750	1 7/8	1
HAC2L-19375	1 15/16	1
HAC2L-20000	2	1
HAC2L-20625	2 1/16	1
HAC2L-21250	2 1/8	1
HAC2L-21875	2 3/16	1
HAC2L-22500	2 1/4	1
HAC2L-23125	2 5/16	1
HAC2L-23750	2 3/8	1

HSS ANNULAR CUTTER

HSS/HSSE

HAC3L/HAC4L



ANNULAR
CUTTER

☆ Shank Types: Universal shank $\Phi 19.05$, weldon shank $\Phi 19.05$, WELDON SHANK+1 ADDITIONAL HOLE $\Phi 19.05$

☆ Surface: Bright / TiN / TiAlN / AlTiN

inch serie

Order No.	$\emptyset D$	L (")
HAC3L-6875	11/16	3
HAC3L-7500	3/4	3
HAC3L-8125	13/16	3
HAC3L-8750	7/8	3
HAC3L-9375	15/16	3
HAC3L-10000	1	3
HAC3L-10625	1 1/16	3
HAC3L-11250	1 1/8	3
HAC3L-11875	1 3/16	3
HAC3L-12500	1 1/4	3

Order No.	$\emptyset D$	L (")
HAC3L-13125	1 5/16	3
HAC3L-13750	1 3/8	3
HAC3L-14375	1 7/16	3
HAC3L-15000	1 1/2	3
HAC3L-15625	1 9/16	3
HAC3L-16250	1 5/8	3
HAC3L-16875	1 11/16	3
HAC3L-17500	1 3/4	3
HAC3L-18125	1 13/16	3
HAC3L-18750	1 7/8	3

Order No.	$\emptyset D$	L (")
HAC3L-19375	1 15/16	3
HAC3L-20000	2	3
HAC3L-20625	2 1/16	3
HAC3L-21250	2 1/8	3
HAC3L-21875	2 3/16	3
HAC3L-22500	2 1/4	3
HAC3L-23125	2 5/16	3
HAC3L-23750	2 3/8	3

inch serie

Order No.	$\emptyset D$	L (")
HAC4L-6875	11/16	4
HAC4L-7500	3/4	4
HAC4L-8125	13/16	4
HAC4L-8750	7/8	4
HAC4L-9375	15/16	4
HAC4L-10000	1	4
HAC4L-10625	1 1/16	4
HAC4L-11250	1 1/8	4
HAC4L-11875	1 3/16	4
HAC4L-12500	1 1/4	4

Order No.	$\emptyset D$	L (")
HAC4L-13125	1 5/16	4
HAC4L-13750	1 3/8	4
HAC4L-14375	1 7/16	4
HAC4L-15000	1 1/2	4
HAC4L-15625	1 9/16	4
HAC4L-16250	1 5/8	4
HAC4L-16875	1 11/16	4
HAC4L-17500	1 3/4	4
HAC4L-18125	1 13/16	4
HAC4L-18750	1 7/8	4

Order No.	$\emptyset D$	L (")
HAC4L-19375	1 15/16	4
HAC4L-20000	2	4
HAC4L-20625	2 1/16	4
HAC4L-21250	2 1/8	4
HAC4L-21875	2 3/16	4
HAC4L-22500	2 1/4	4
HAC4L-23125	2 5/16	4
HAC4L-23750	2 3/8	4