

**KONRAD
TOOLS**

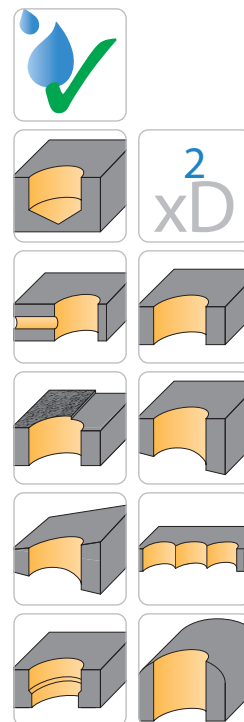
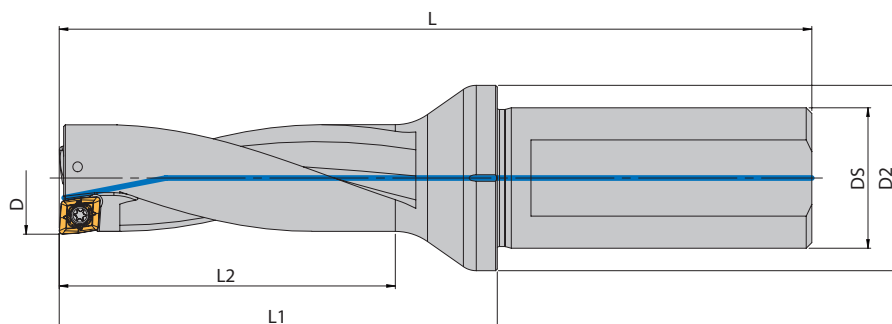


DRILLING SYSTEMS

Indexable insert drill

KTID2-...

Indexable insert drill with cylindrical shank according to DIN ISO 9766



Similar to illustration

Holders

Article	D	L2	DS	D2	L1	L	Size	Indexable inserts
KTID2-140-20.XD04	14,0	28	20	28	46	90	04	XDMT 04...
KTID2-145-20.XD04	14,5	29	20	28	47	91	04	XDMT 04...
KTID2-150-20.XD04	15,0	30	20	28	48	92	04	XDMT 04...
KTID2-155-20.XD05	15,5	31	20	28	46	93	05	XDMT 05...
KTID2-160-20.XD05	16,0	32	20	28	50	94	05	XDMT 05...
KTID2-165-20.XD05	16,5	33	20	28	51	95	05	XDMT 05...
KTID2-170-20.XD05	17,0	34	20	28	52	96	05	XDMT 05...
KTID2-175-25.XD05	17,5	35	25	33	53	109	05	XDMT 05...
KTID2-180-25.XD05	18,0	36	25	33	54	110	05	XDMT 05...
KTID2-185-25.XD06	18,5	37	25	33	55	111	06	XDMT 06...
KTID2-190-25.XD06	19,0	38	25	33	56	112	06	XDMT 06...
KTID2-195-25.XD06	19,5	39	25	33	57	113	06	XDMT 06...
KTID2-200-25.XD06	20,0	40	25	33	58	114	06	XDMT 06...
KTID2-205-25.XD06	20,5	41	25	33	59	115	06	XDMT 06...
KTID2-210-25.XD06	21,0	42	25	33	60	116	06	XDMT 06...
KTID2-215-25.XD06	21,5	43	25	33	61	117	06	XDMT 06...
KTID2-220-25.XD06	22,0	44	25	33	62	118	06	XDMT 06...
KTID2-225-25.XD06	22,5	45	25	33	63	119	06	XDMT 06...
KTID2-230-25.XD07	23,0	46	25	33	67	123	07	XDMT 07...
KTID2-235-25.XD07	23,5	47	25	33	68	124	07	XDMT 07...
KTID2-240-25.XD07	24,0	48	25	33	69	125	07	XDMT 07...
KTID2-245-25.XD07	24,5	49	25	33	70	126	07	XDMT 07...
KTID2-250-25.XD07	25,0	50	25	33	71	127	07	XDMT 07...
KTID2-255-32.XD07	25,5	51	32	45	74	134	07	XDMT 07...
KTID2-260-32.XD07	26,0	52	32	45	75	135	07	XDMT 07...
KTID2-265-32.XD07	26,5	53	32	45	76	136	07	XDMT 07...
KTID2-270-32.XD07	27,0	54	32	45	77	137	07	XDMT 07...
KTID2-275-32.XD07	27,5	55	32	45	78	138	07	XDMT 07...
KTID2-280-32.XD07	28,0	56	32	45	79	139	07	XDMT 07...
KTID2-285-32.XD07	28,5	57	32	45	80	140	07	XDMT 07...

Indexable insert drill

HOLDERS

Article	D	L2	DS	D2	L1	L	Size	Indexable inserts
KTID2-290-32.XD09	29,0	58	32	50	83	143	09	XDMT 09...
KTID2-295-32.XD09	29,5	59	32	50	84	144	09	XDMT 09...
KTID2-300-32.XD09	30,0	60	32	50	88	148	09	XDMT 09...
KTID2-310-32.XD09	31,0	62	32	50	90	150	09	XDMT 09...
KTID2-320-32.XD09	32,0	64	32	50	92	152	09	XDMT 09...
KTID2-330-32.XD09	33,0	66	32	50	94	154	09	XDMT 09...
KTID2-340-32.XD09	34,0	68	32	50	96	156	09	XDMT 09...
KTID2-350-32.XD09	35,0	70	32	50	98	158	09	XDMT 09...
KTID2-360-32.XD09	36,0	72	32	50	100	160	09	XDMT 09...
KTID2-365-32.XD09	36,5	73	32	50	101	161	09	XDMT 09...
KTID2-370-32.XD12	37,0	74	32	50	109	169	12	XDMT 12...
KTID2-380-32.XD12	38,0	76	32	50	111	171	12	XDMT 12...
KTID2-390-32.XD12	39,0	78	32	50	113	173	12	XDMT 12...
KTID2-400-32.XD12	40,0	80	32	50	115	175	12	XDMT 12...
KTID2-410-32.XD12	41,0	82	32	50	117	177	12	XDMT 12...
KTID2-415-32.XD12	41,5	83	32	50	118	178	12	XDMT 12...
KTID2-420-32.XD12	42,0	84	32	50	119	179	12	XDMT 12...
KTID2-430-32.XD12	43,0	86	32	50	121	181	12	XDMT 12...
KTID2-440-32.XD12	44,0	88	32	50	123	183	12	XDMT 12...
KTID2-450-32.XD12	45,0	90	32	50	125	185	12	XDMT 12...
KTID2-460-40.XD15	46,0	92	40	59	127	197	15	XDMT 15...
KTID2-470-40.XD15	47,0	94	40	59	129	199	15	XDMT 15...
KTID2-480-40.XD15	48,0	96	40	59	131	201	15	XDMT 15...
KTID2-490-40.XD15	49,0	98	40	59	133	203	15	XDMT 15...
KTID2-500-40.XD15	50,0	100	40	59	135	205	15	XDMT 15...
KTID2-510-40.XD15	51,0	102	40	59	137	207	15	XDMT 15...
KTID2-520-40.XD15	52,0	104	40	59	139	209	15	XDMT 15...
KTID2-530-40.XD15	53,0	106	40	59	141	211	15	XDMT 15...
KTID2-540-40.XD15	54,0	108	40	59	143	213	15	XDMT 15...
KTID2-550-40.XD15	55,0	110	40	59	145	215	15	XDMT 15...

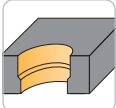
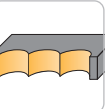
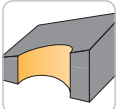
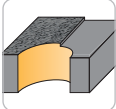
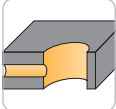
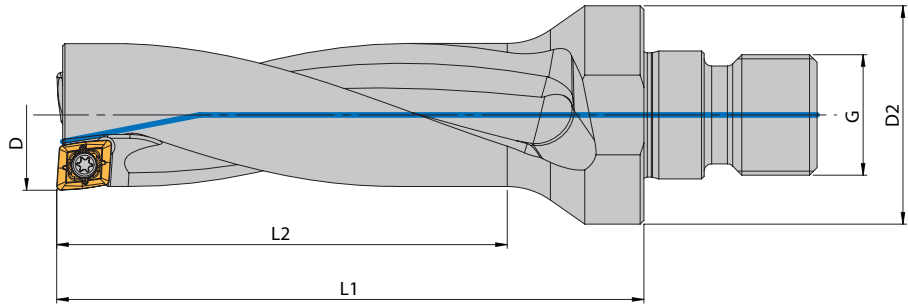
SPARE PARTS

Holder	Screw	Torque	Key
KTID2-...-04	TS-4104	0,3 Nm	SD-5106 PLUS
KTID2-...-05	TS-4105	0,5 Nm	SD-5106 PLUS
KTID2-...-06	TS-4106	0,8 Nm	SD-5107 PLUS
KTID2-...-07	TS-4107	1,0 Nm	SD-5108 PLUS
KTID2-...-09	TS-4109	2,6 Nm	SD-5115 PLUS
KTID2-...-12	TS-4112	5,0 Nm	SD-5120 PLUS

Indexable insert drill

KTID2-...-M...

Indexable insert drill with thread for screw-in holders



Similar to illustration

Holders

Article	D	L2	D2	L1	Size	Indexable inserts
KTID2-320-M16.XD09	32	64	30	92	09	XDMT 09...
KTID2-330-M16.XD09	33	66	30	94	09	XDMT 09...
KTID2-350-M16.XD09	35	70	30	98	09	XDMT 09...
KTID2-360-M16.XD09	36	72	30	100	09	XDMT 09...
KTID2-400-M16.XD12	40	80	30	115	12	XDMT 12...

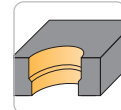
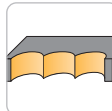
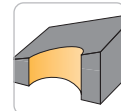
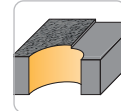
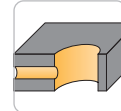
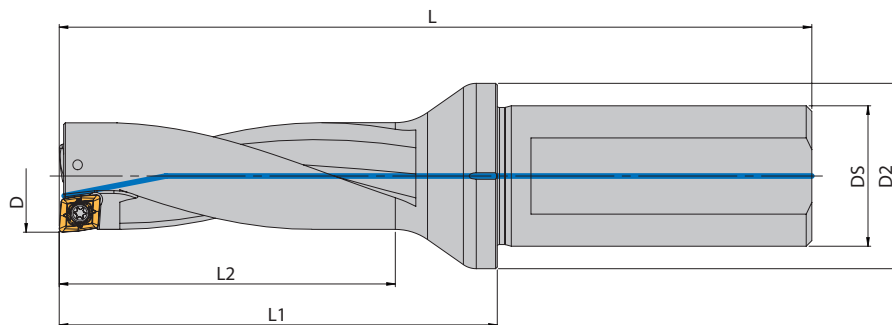
Spare Parts

Holder	Screw	Torque	Key
KTID2-...-09	TS-4109	2,6 Nm	SD-5115 PLUS

Indexable insert drill

KTID3-...

Indexable insert drill with cylindrical shank according to DIN ISO 9766



Similar to illustration



Holders

Article	D	L2	DS	D2	L1	L	Size	Indexable inserts
KTID3-140-20.XD04	14,0	42,0	20	28	60,0	104,0	04	XDMT 04...
KTID3-145-20.XD04	14,5	43,5	20	28	61,5	105,5	04	XDMT 04...
KTID3-150-20.XD04	15,0	45,0	20	28	63,0	107,0	04	XDMT 04...
KTID3-155-20.XD05	15,5	46,5	20	28	64,5	108,5	05	XDMT 05...
KTID3-160-20.XD05	16,0	48,0	20	28	66,0	110,0	05	XDMT 05...
KTID3-165-20.XD05	16,5	49,5	20	28	67,5	111,5	05	XDMT 05...
KTID3-170-20.XD05	17,0	51,0	20	28	69,0	113,0	05	XDMT 05...
KTID3-175-25.XD05	17,5	52,5	25	33	70,5	126,5	05	XDMT 05...
KTID3-180-25.XD05	18,0	54,0	25	33	72,0	128,0	05	XDMT 05...
KTID3-185-25.XD06	18,5	55,5	25	33	73,5	129,5	06	XDMT 06...
KTID3-190-25.XD06	19,0	57,0	25	33	75,0	131,0	06	XDMT 06...
KTID3-195-25.XD06	19,5	58,5	25	33	76,5	132,5	06	XDMT 06...
KTID3-200-25.XD06	20,0	60,0	25	33	78,0	134,0	06	XDMT 06...
KTID3-205-25.XD06	20,5	61,5	25	33	79,5	135,5	06	XDMT 06...
KTID3-210-25.XD06	21,0	63,0	25	33	81,0	137,0	06	XDMT 06...
KTID3-215-25.XD06	21,5	64,5	25	33	82,5	138,5	06	XDMT 06...
KTID3-220-25.XD06	22,0	66,0	25	33	84,0	140,0	06	XDMT 06...
KTID3-225-25.XD06	22,5	67,5	25	33	85,5	141,5	06	XDMT 06...
KTID3-230-25.XD07	23,0	69,0	25	33	90,0	146,0	07	XDMT 07...
KTID3-235-25.XD07	23,5	70,5	25	33	91,5	147,5	07	XDMT 07...
KTID3-240-25.XD07	24,0	72,0	25	33	93,0	149,0	07	XDMT 07...
KTID3-245-25.XD07	24,5	73,5	25	33	94,5	150,5	07	XDMT 07...
KTID3-250-25.XD07	25,0	75,0	25	33	96,0	152,0	07	XDMT 07...
KTID3-255-32.XD07	25,5	76,5	32	45	99,5	159,5	07	XDMT 07...
KTID3-260-32.XD07	26,0	78,0	32	45	101,0	161,0	07	XDMT 07...
KTID3-265-32.XD07	26,5	79,5	32	45	102,5	162,5	07	XDMT 07...
KTID3-270-32.XD07	27,0	81,0	32	45	104,0	164,0	07	XDMT 07...
KTID3-275-32.XD07	27,5	82,5	32	45	105,5	165,5	07	XDMT 07...
KTID3-280-32.XD07	28,0	84,0	32	45	107,0	167,0	07	XDMT 07...
KTID3-285-32.XD07	28,5	85,5	32	45	108,5	168,5	07	XDMT 07...

Indexable insert drill

KTID3-...

Holders

Article	D	L2	DS	D2	L1	L	Size	Indexable inserts
KTID3-290-32.XD09	29,0	87,0	32	50	112,0	172,0	09	XDMT 09...
KTID3-295-32.XD09	29,5	88,5	32	50	113,5	173,5	09	XDMT 09...
KTID3-300-32.XD09	30,0	90,0	32	50	118,0	178,0	09	XDMT 09...
KTID3-310-32.XD09	31,0	93,0	32	50	121,0	181,0	09	XDMT 09...
KTID3-320-32.XD09	32,0	96,0	32	50	124,0	184,0	09	XDMT 09...
KTID3-330-32.XD09	33,0	99,0	32	50	127,0	187,0	09	XDMT 09...
KTID3-340-32.XD09	34,0	102,0	32	50	130,0	190,0	09	XDMT 09...
KTID3-350-32.XD09	35,0	105,0	32	50	133,0	193,0	09	XDMT 09...
KTID3-360-32.XD09	36,0	108,0	32	50	136,0	196,0	09	XDMT 09...
KTID3-370-32.XD12	37,0	111,0	32	50	146,0	206,0	12	XDMT 12...
KTID3-380-32.XD12	38,0	114,0	32	50	149,0	209,0	12	XDMT 12...
KTID3-390-32.XD12	39,0	117,0	32	50	152,0	212,0	12	XDMT 12...
KTID3-400-32.XD12	40,0	120,0	32	50	155,0	215,0	12	XDMT 12...
KTID3-410-32.XD12	41,0	123,0	32	50	158,0	218,0	12	XDMT 12...
KTID3-420-32.XD12	42,0	126,0	32	50	161,0	221,0	12	XDMT 12...
KTID3-430-32.XD12	43,0	129,0	32	50	164,0	224,0	12	XDMT 12...
KTID3-440-32.XD12	44,0	132,0	32	50	167,0	227,0	12	XDMT 12...
KTID3-450-32.XD12	45,0	135,0	32	50	170,0	230,0	12	XDMT 12...
KTID3-460-40.XD15	46,0	138,0	40	59	173,0	243,0	15	XDMT 15...
KTID3-470-40.XD15	47,0	141,0	40	59	176,0	246,0	15	XDMT 15...
KTID3-480-40.XD15	48,0	144,0	40	59	179,0	249,0	15	XDMT 15...
KTID3-490-40.XD15	49,0	147,0	40	59	182,0	252,0	15	XDMT 15...
KTID3-500-40.XD15	50,0	150,0	40	59	185,0	255,0	15	XDMT 15...
KTID3-510-40.XD15	51,0	153,0	40	59	188,0	258,0	15	XDMT 15...
KTID3-520-40.XD15	52,0	156,0	40	59	191,0	261,0	15	XDMT 15...
KTID3-530-40.XD15	53,0	159,0	40	59	194,0	264,0	15	XDMT 15...
KTID3-540-40.XD15	54,0	162,0	40	59	197,0	267,0	15	XDMT 15...
KTID3-550-40.XD15	55,0	165,0	40	59	200,0	270,0	15	XDMT 15...
KTID3-560-40.XD18 	56,0	168	40	54	208,0	278,0	18	XDMT 18...
KTID3-570-40.XD18 	57,0	171	40	55	211,0	281,0	18	XDMT 18...
KTID3-580-40.XD18 	58,0	174	40	56	214,0	284,0	18	XDMT 18...
KTID3-590-40.XD18 	59,0	177	40	57	217,0	287,0	18	XDMT 18...
KTID3-600-40.XD18 	60,0	180	40	58	220,0	290,0	18	XDMT 18...
KTID3-610-40.XD18 	61,0	183	40	59	223,0	293,0	18	XDMT 18...
KTID3-620-40.XD18 	62,0	186	40	60	226,0	296,0	18	XDMT 18...
KTID3-630-40.XD18 	63,0	189	40	61	229,0	299,0	18	XDMT 18...
KTID3-640-40.XD18 	64,0	192	40	62	232,0	302,0	18	XDMT 18...
KTID3-650-40.XD18 	65,0	195	40	63	235,0	305,0	18	XDMT 18...
KTID3-660-40.XD18 	66,0	198	40	64	238,0	308,0	18	XDMT 18...
KTID3-670-40.XD18 	67,0	201	40	65	241,0	311,0	18	XDMT 18...
KTID3-680-40.XD18 	68,0	204	40	66	244,0	314,0	18	XDMT 18...

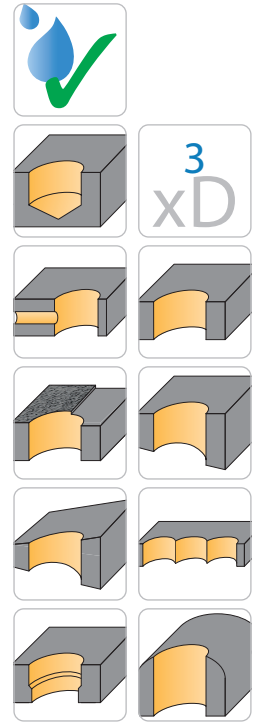
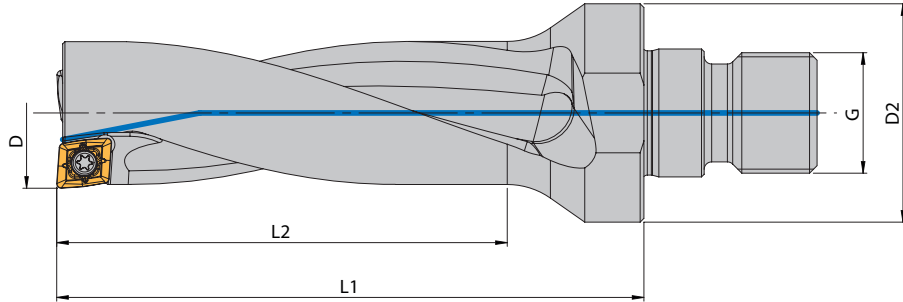
Spare Parts

Holder	Screw	Torque	Key
AKB3-....-04	TS-4104	0,3 Nm	SD-5106 PLUS
AKB3-....-05	TS-4105	0,5 Nm	SD-5106 PLUS
AKB3-....-06	TS-4106	0,8 Nm	SD-5107 PLUS
AKB3-....-07	TS-4107	1,0 Nm	SD-5108 PLUS
AKB3-....-09	TS-4109	2,6 Nm	SD-5115 PLUS
AKB3-....-12	TS-4112	5,0 Nm	SD-5120 PLUS
AKB3-....-15	TS-4115	5,5 Nm	SD-5125 PLUS

Screw-in indexable insert drill

KTID3-...-M...

Indexable insert drill with thread for screw-in holders



Similar to illustration

Holders

Article	D	L2	D2	L1	Size	Indexable inserts
KTID3-140-M16.XD04	14,0	42,0	29	60,0	04	XDMT 04...
KTID3-160-M16.XD05	16,0	48,0	29	66,0	05	XDMT 05...
KTID3-175-M16.XD05	17,5	52,5	29	70,5	05	XDMT 05...
KTID3-180-M16.XD05	18,0	54,0	29	72,0	05	XDMT 05...
KTID3-200-M16.XD06	20,0	60,0	29	78,0	06	XDMT 06...
KTID3-220-M16.XD06	22,0	66,0	29	84,0	06	XDMT 06...
KTID3-240-M16.XD07	24,0	72,0	29	93,0	07	XDMT 07...
KTID3-260-M16.XD07	26,0	78,0	29	101,0	07	XDMT 07...
KTID3-270-M16.XD07	27,0	81,0	29	104,0	07	XDMT 07...
KTID3-290-M16.XD09	29,0	87,0	30	112,0	09	XDMT 09...
KTID3-300-M16.XD09	30,0	90,0	30	118,0	09	XDMT 09...

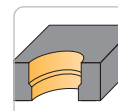
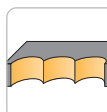
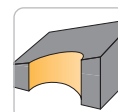
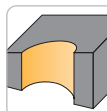
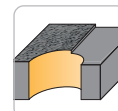
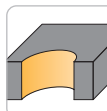
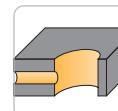
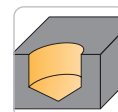
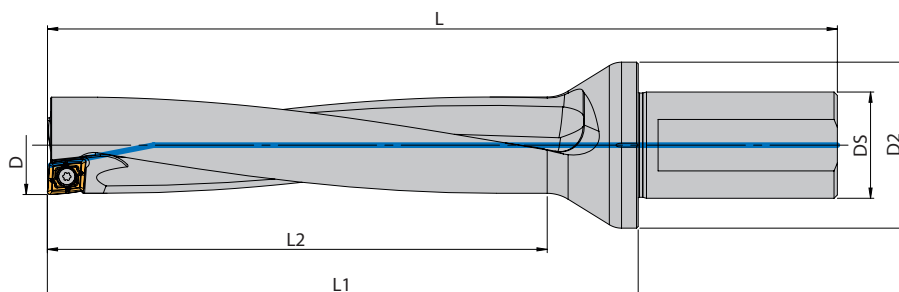
Spare Parts

Holder	Screw	Torque	Key
KTID3-...-04	TS-4104	0,3 Nm	SD-5106 PLUS
KTID3-...-05	TS-4105	0,5 Nm	SD-5106 PLUS
KTID3-...-06	TS-4106	0,8 Nm	SD-5107 PLUS
KTID3-...-07	TS-4107	1,0 Nm	SD-5108 PLUS

Indexable insert drill

KTID5-...

Indexable insert drill with cylindrical shank according to DIN ISO 9766



Similar to illustration



Holders

Article	D	L2	DS	D2	L1	L	Size	Indexable inserts
KTID5-170-20.XD05	17,0	85,0	20	28	103,0	147,0	05	XDMT 05...
KTID5-175-25.XD05 	17,5	87,5	25	33	105,5	161,5	05	XDMT 05...
KTID5-180-25.XD05	18,0	90,0	25	33	108,0	164,0	05	XDMT 05...
KTID5-190-25.XD06	19,0	95,0	25	33	113,0	169,0	06	XDMT 06...
KTID5-200-25.XD06	20,0	100,0	25	33	118,0	174,0	06	XDMT 06...
KTID5-210-25.XD06	21,0	105,0	25	33	123,0	179,0	06	XDMT 06...
KTID5-220-25.XD06	22,0	110,0	25	33	128,0	184,0	06	XDMT 06...
KTID5-225-25.XD06	22,5	112,5	25	33	130,5	186,5	06	XDMT 06...
KTID5-230-25.XD07	23,0	115,0	25	37	136,0	192,0	07	XDMT 07...
KTID5-240-25.XD07	24,0	120,0	25	37	141,0	197,0	07	XDMT 07...
KTID5-250-25.XD07	25,0	125,0	25	37	146,0	202,0	07	XDMT 07...
KTID5-260-32.XD07	26,0	130,0	32	45	153,0	213,0	07	XDMT 07...
KTID5-270-32.XD07	27,0	135,0	32	45	158,0	218,0	07	XDMT 07...
KTID5-280-32.XD07	28,0	140,0	32	45	163,0	223,0	07	XDMT 07...
KTID5-290-32.XD09	29,0	145,0	32	50	173,0	233,0	09	XDMT 09...
KTID5-300-32.XD09	30,0	150,0	32	50	178,0	238,0	09	XDMT 09...
KTID5-310-32.XD09	31,0	155,0	32	50	183,0	243,0	09	XDMT 09...
KTID5-320-32.XD09	32,0	160,0	32	50	188,0	248,0	09	XDMT 09...
KTID5-330-32.XD09	33,0	165,0	32	50	193,0	253,0	09	XDMT 09...
KTID5-340-32.XD09	34,0	170,0	32	50	198,0	258,0	09	XDMT 09...
KTID5-350-32.XD09	35,0	175,0	32	50	203,0	263,0	09	XDMT 09...

Indexable insert drill

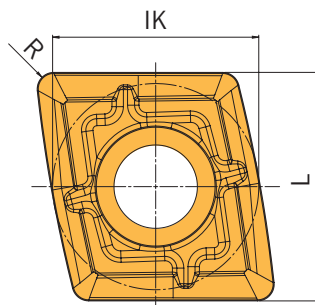
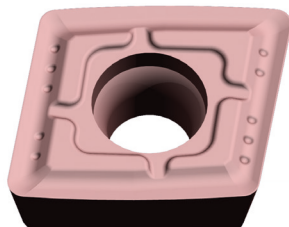
Spare Parts

Holder	Screw	Torque	Key
KTID5-...-05	TS-4105	0,5 Nm	SD-5106 PLUS
KTID5-...-06	TS-4106	0,8 Nm	SD-5107 PLUS
KTID5-...-07	TS-4107	1,0 Nm	SD-5108 PLUS
KTID5-...-09	TS-4109	2,6 Nm	SD-5115 PLUS

Indexable inserts

XDMT ...

Indexable inserts for indexable insert drill AKB



Article	IK	L	R	S	Size	HC			HC	HC	HU
						A42-BN2	A42-BP2	A62-BL2	B62-CP2	C42-BM2	D22-AL2
XDMT 042004 EN-SC	4,3	4,8	0,4	2,1	04						◆
XDMT 042004 EN-U	4,3	4,8	0,4	2,1	04	◆		◆		◆	
XDMT 042004 EN-HFS	4,3	4,8	0,4	2,1	04			◆		◆	
XDMT 042004 EN-LFS	4,3	4,8	0,4	2,1	04			◆		◆	
XDMT 042004 EN-AND	4,3	4,8	0,4	2,1	04				◆		
XDMT 052504 EN-SC	5,1	5,7	0,4	2,6	05						◆
XDMT 052504 EN-U	5,1	5,7	0,4	2,6	05	◆		◆		◆	
XDMT 052504 EN-HFS	5,1	5,7	0,4	2,6	05			◆		◆	
XDMT 052504 EN-LFS	5,1	5,7	0,4	2,6	05			◆		◆	
XDMT 052504 EN-AND	5,1	5,7	0,4	2,6	05				◆		
XDMT 063006 EN-SC	6,2	6,9	0,6	3,2	06						◆
XDMT 063006 EN-U	6,2	6,9	0,6	3,2	06	◆	◆	◆		◆	
XDMT 063006 EN-HFS	6,2	6,9	0,6	3,2	06			◆		◆	
XDMT 063006 EN-LFS	6,2	6,9	0,6	3,2	06			◆		◆	
XDMT 063006 EN-AND	6,2	6,9	0,6	3,2	06				◆		
XDMT 073506 EN-SC	7,7	8,6	0,6	3,7	07						◆
XDMT 073506 EN-U	7,7	8,6	0,6	3,7	07	◆	◆	◆		◆	
XDMT 073506 EN-HFS	7,7	8,6	0,6	3,7	07			◆		◆	
XDMT 073506 EN-LFS	7,7	8,6	0,6	3,7	07			◆		◆	
XDMT 073506 EN-AND	7,7	8,6	0,6	3,7	07				◆		
XDMT 094008 EN-SC	9,9	11,0	0,8	4,2	09						◆
XDMT 094008 EN-U	9,9	11,0	0,8	4,2	09	◆	◆	◆		◆	
XDMT 094008 EN-HFS	9,9	11,0	0,8	4,2	09			◆		◆	
XDMT 094008 EN-LFS	9,9	11,0	0,8	4,2	09			◆		◆	
XDMT 094008 EN-AND	9,9	11,0	0,8	4,2	09				◆		
XDMT 125012 EN-SC	12,8	14,1	1,2	5,2	12						◆
XDMT 125012 EN-U	12,8	14,1	1,2	5,2	12	◆		◆		◆	

Indexable inserts

Article	IK	L	R	S	Size	HC			HC	HC	HU
						A42-BN2	A42-BP2	A62-BL2	B62-CP2	C42-BM2	D22-AL2
XDMT 125012 EN-HFS	12,8	14,1	1,2	5,2	12			◆		◆	
XDMT 125012 EN-LFS	12,8	14,1	1,2	5,2	12			◆		◆	
XDMT 125012 EN-AND	12,8	14,1	1,2	5,2	12				N		
XDMT 156012 EN-SC	15,7	17,3	1,2	6,2	15						◆
XDMT 156012 EN-U	15,7	17,3	1,2	6,2	15	◆		◆		◆	
XDMT 156012 EN-HFS	15,7	17,3	1,2	6,2	15			◆			
XDMT 156012 EN-LFS	15,7	17,3	1,2	6,2	15			◆		◆	
XDMT 156012 EN-AND	15,7	17,3	1,2	6,2	15				N		
XDMT 186012 EN-U	18,6	19,9	1,2	6,2	18					N	
XDMT 186012 EN-U	18,6	19,9	1,2	6,2	18			N			

HC = Carbide coated
HU = Carbide uncoated

P	●	●	●			
M		○	○	●		
K	●				●	
N						●
S				○		
H						

● Main application
○ Secondary application

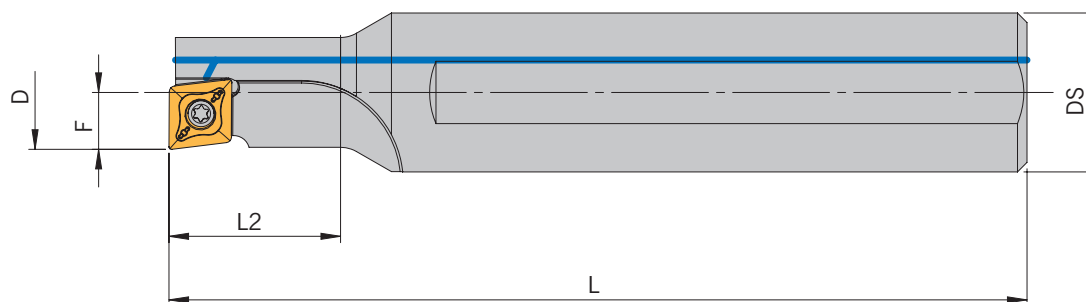
Turning and drilling tools

SCH...

Turning and drilling tool with cylindrical shank DIN ISO 9766



1,5
xD



Holders

Article	D	L2	DS	L	F	Indexable inserts
SCH-08.012S.L/R-04	8	12,0	12	80	4,0	XP.. 04...
SCH-10.015S.L/R-05	10	15,0	12	90	5,0	XP.. 05...
SCH-12.018S.L/R-06	12	18,0	16	100	6,0	XP.. 06...
SCH-14.021S.L/R-07	14	21,0	16	110	7,0	XP.. 07...
SCH-16.024S.L/R-08	16	24,0	20	125	8,0	XP.. 08...
SCH-18.027S.L/R-09	18	27,0	25	135	9,0	XP.. 09...
SCH-20.030S.L/R-10	20	30,0	25	150	10,0	XP.. 10...
SCH-25.038S.L/R-13	25	37,5	32	180	12,5	XP.. 13...
SCH-32.048S.L/R-17	32	48,0	40	200	16,0	XP.. 17...

Spare Parts

Holder	Screw	Torque	Key
SCL/R...-04-IP	TS-0100	0,6 Nm	SD-5106 PLUS
SCL/R...-05-IP	TS-0101	0,6 Nm	SD-5106 PLUS
SCL/R...-06-IP	TS-0102	1,0 Nm	SD-5107 PLUS
SCL/R...-07-IP	TS-0103	1,3 Nm	SD-5108 PLUS
SCL/R...-08 / 09-IP	TS-0104	2,2 Nm	SD-5109 PLUS
SCL/R...-10-IP	TS-0105	3,4 Nm	SD-5115 PLUS

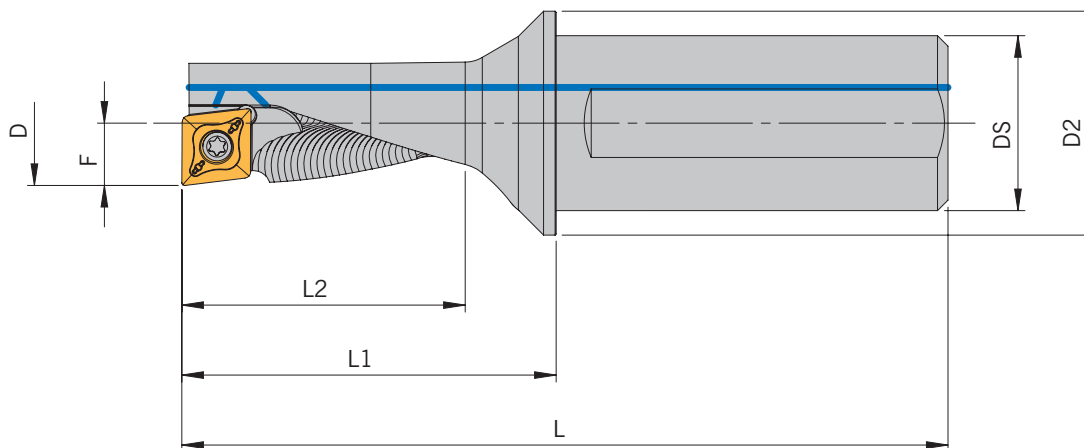
Turning and drilling tools

SCH...

Turning and drilling tool with cylindrical shank DIN ISO 9766



2,25
xD



Holders

Article	D	L2	DS	D2	L1	L	F	Indexable inserts
SCH-08.018H.L/R-04	8	18,0	10	12	22,0	60,0	4,0	XP.. 04...
SCH-10.023H.L/R-05	10	22,5	12	16	27,5	69,5	5,0	XP.. 05...
SCH-12.027H.L/R-06	12	27,0	16	20	33,0	78,0	6,0	XP.. 06...
SCH-14.032H.L/R-07	14	31,5	16	20	38,5	83,5	7,0	XP.. 07...
SCH-16.036H.L/R-08	16	36,0	20	25	44,0	94,0	8,0	XP.. 08...
SCH-18.041H.L/R-09	18	40,5	25	32	53,5	109,5	9,0	XP.. 09...
SCH-20.045H.L/R-10	20	45,0	25	32	55,0	111,0	10,0	XP.. 10...
SCH-25.057H.L/R-13	25	56,5	32	40	69,0	129,0	12,5	XP.. 13...
SCH-32.072H.L/R-17	32	72,0	40	50	88,0	158,0	16,0	XP.. 17...

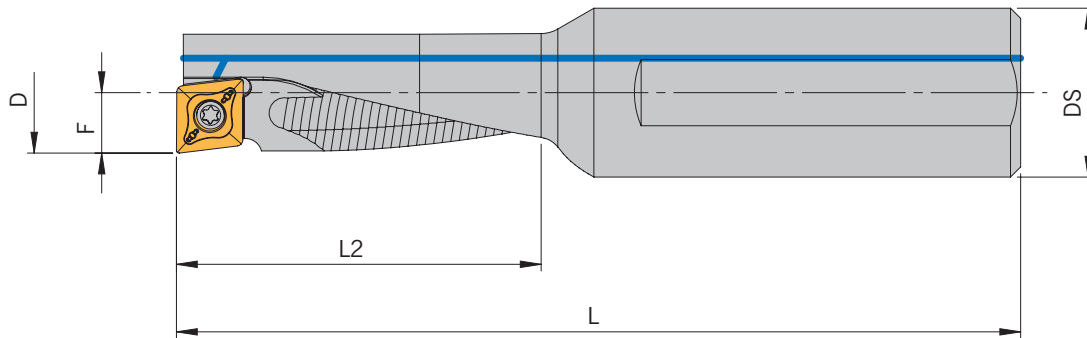
Spare Parts

Holder	Screw	Torque	Key
SCL/R...-04-IP	TS-0100	0,6 Nm	SD-5106 PLUS
SCL/R...-05-IP	TS-0101	0,6 Nm	SD-5106 PLUS
SCL/R...-06-IP	TS-0102	1,0 Nm	SD-5107 PLUS
SCL/R...-07-IP	TS-0103	1,3 Nm	SD-5108 PLUS
SCL/R...-08 / 09-IP	TS-0104	2,2 Nm	SD-5109 PLUS
SCL/R...-10-IP	TS-0105	3,4 Nm	SD-5115 PLUS
SCL/R...-13 / 17-IP	TS-0106	6,2 Nm	SD-5120 PLUS

Turning and drilling tools

SCH...

Turning and drilling tool with cylindrical shank DIN ISO 9766



Holders

Article	D	L2	DS	L	F	Indexable inserts
SCH-08.024H.L/R-04	8	24	12	80	4,0	XP.. 04...
SCH-10.030H.L/R-05	10	30	12	85	5,0	XP.. 05...
SCH-12.036H.L/R-06	12	36	16	95	6,0	XP.. 06...
SCH-14.042H.L/R-07	14	42	16	100	7,0	XP.. 07...
SCH-16.048H.L/R-08	16	48	20	110	8,0	XP.. 08...
SCH-18.054H.L/R-09	18	54	25	125	9,0	XP.. 09...
SCH-20.060H.L/R-10	20	60	25	130	10,0	XP.. 10...
SCH-25.075H.L/R-13	25	75	32	150	12,5	XP.. 13...
SCH-32.096H.L/R-17	32	96	40	185	16,0	XP.. 17...

Spare Parts

Holder	Screw	Torque	Key
SCL/R...-04-IP	TS-0100	0,6 Nm	SD-5106 PLUS
SCL/R...-05-IP	TS-0101	0,6 Nm	SD-5106 PLUS
SCL/R...-06-IP	TS-0102	1,0 Nm	SD-5107 PLUS
SCL/R...-07-IP	TS-0103	1,3 Nm	SD-5108 PLUS
SCL/R...-08 / 09-IP	TS-0104	2,2 Nm	SD-5109 PLUS
SCL/R...-10-IP	TS-0105	3,4 Nm	SD-5115 PLUS

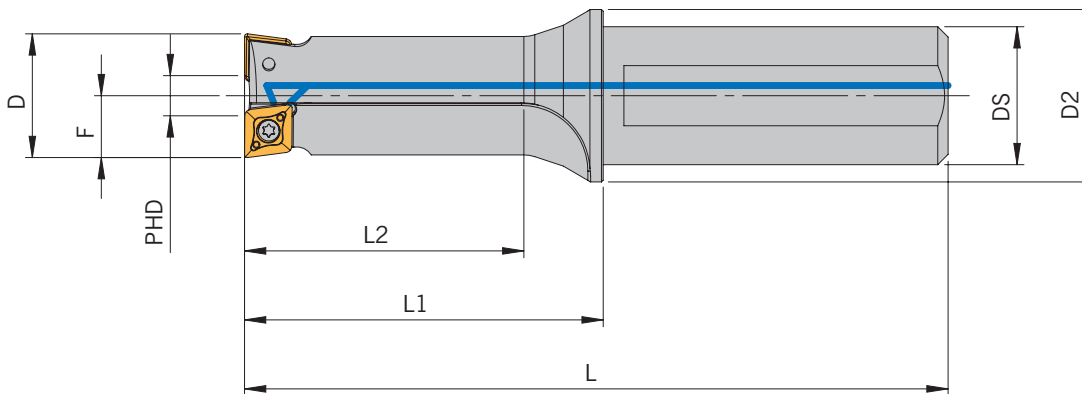
Turning and drilling tools

SC2H...S.R...

Turning and drilling tool with cylindrical shank DIN ISO 9766



2,25
xD



Holders

Article	D	L2	DS	D2	L1	L	PHD	F	Z	Indexable inserts
SC2H-1204.027S.R-04	12,0	27	16	20	37	82	4,0	6,0	2	XP.. 04...
SC2H-1305.029S.R-04	13,0	29	16	20	39	84	5,0	6,5	2	XP.. 04...
SC2H-1406.032S.R-04	14,0	32	16	20	41	86	6,0	7,0	2	XP.. 04...
SC2H-1507.034S.R-04	15,0	34	16	20	43	88	7,0	7,5	2	XP.. 04...
SC2H-1606.036S.R-05	16,0	36	20	25	47	97	6,0	8,0	2	XP.. 05...
SC2H-1707.038S.R-05	17,0	38	20	25	49	99	7,0	8,5	2	XP.. 05...
SC2H-1806.041S.R-06	18,0	41	20	25	52	102	6,0	9,0	2	XP.. 06...
SC2H-1907.043S.R-06	19,0	43	20	25	54	104	7,0	9,5	2	XP.. 06...
SC2H-2006.045S.R-07	20,0	45	25	32	58	114	6,0	10,0	2	XP.. 07...
SC2H-2107.047S.R-07	21,0	47	25	32	60	116	7,0	10,5	2	XP.. 07...
SC2H-2208.050S.R-07	22,0	50	25	32	62	118	8,0	11,0	2	XP.. 07...
SC2H-2309.052S.R-07	23,0	52	25	32	64	120	9,0	11,5	2	XP.. 07...
SC2H-2408.054S.R-08	24,0	54	25	32	66	122	8,0	12,0	2	XP.. 08...
SC2H-2509.056S.R-08	25,0	56	32	40	70	130	9,0	12,5	2	XP.. 08...
SC2H-2709.061S.R-09	27,0	61	32	40	77	137	9,0	13,5	2	XP.. 09...
SC2H-2810.063S.R-09	28,0	63	32	40	80	140	10,0	14,0	2	XP.. 09...
SC2H-3010.068S.R-10	30,0	68	32	40	86	146	10,0	15,0	2	XP.. 10...
SC2H-3111.070S.R-10	31,0	70	32	40	89	149	11,0	15,5	2	XP.. 10...
SC2H-3510.079S.R-13	35,0	79	40	50	96	166	10,0	17,5	2	XP.. 13...
SC2H-3611.081S.R-13	36,0	81	40	50	98	168	11,0	18,0	2	XP.. 13...
SC2H-17575.039S.R-05	17,5	39	20	25	51	101	7,5	8,8	2	XP.. 05...

Spare Parts

Holder	Screw	Torque	Key
SCR...-04-IP	TS-0100	0,6 Nm	SD-5106 PLUS
SCR...-05-IP	TS-0101	0,6 Nm	SD-5106 PLUS
SCR...-06-IP	TS-0102	1,0 Nm	SD-5107 PLUS
SCR...-07-IP	TS-0103	1,3 Nm	SD-5108 PLUS
SCR...-08 / 09-IP	TS-0104	2,2 Nm	SD-5109 PLUS
SCR...-10-IP	TS-0105	3,4 Nm	SD-5115 PLUS

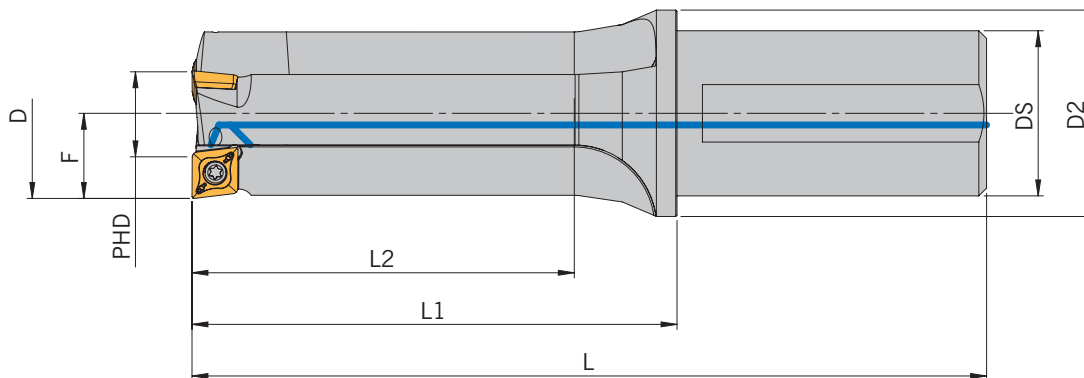
Turning, drilling and boring tool

SC3H...S.R-...

Turning and drilling tool with cylindrical shank DIN ISO 9766



2,25
xD



Holders

Article	D	L2	DS	D2	L1	L	PHD	F	Z	Indexable inserts
SC3H-2412.054S.R-06										XP.. 06...
SC3H-2513.056S.R-06	25	56	32	40	70	130	13,0	12,5	3	XP.. 06...
SC3H-2612.059S.R-07	26	59	32	40	74	134	12,0	13,0	3	XP.. 07...
SC3H-2814.063S.R-07	28	63	32	40	80	140	14,0	14,0	3	XP.. 07...
SC3H-3014.068S.R-08	30	68	32	40	86	146	14,0	15,0	3	XP.. 08...
SC3H-3115.070S.R-08	31	70	32	40	89	149	15,0	15,5	3	XP.. 08...
SC3H-3216.072S.R-08	32	72	32	40	91	151	16,0	16,0	3	XP.. 08...
SC3H-3317.074S.R-08	33	74	32	40	94	154	17,0	16,5	3	XP.. 08...
SC3H-3618.081S.R-09	36	81	40	50	98	168	18,0	18,0	3	XP.. 09...
SC3H-4022.090S.R-09	40	90	40	50	107	177	22,0	20,0	3	XP.. 09...
SC3H-4323.097S.R-10	43	97	40	50	115	185	23,0	21,5	3	XP.. 10...
SC3H-4924.110S.R-13	49	110	40	55	130	200	21,5	24,5	3	XP.. 13...
SC3H-5025.113S.R-13	50	113	40	55	133	203	25,0	25,0	3	XP.. 13...

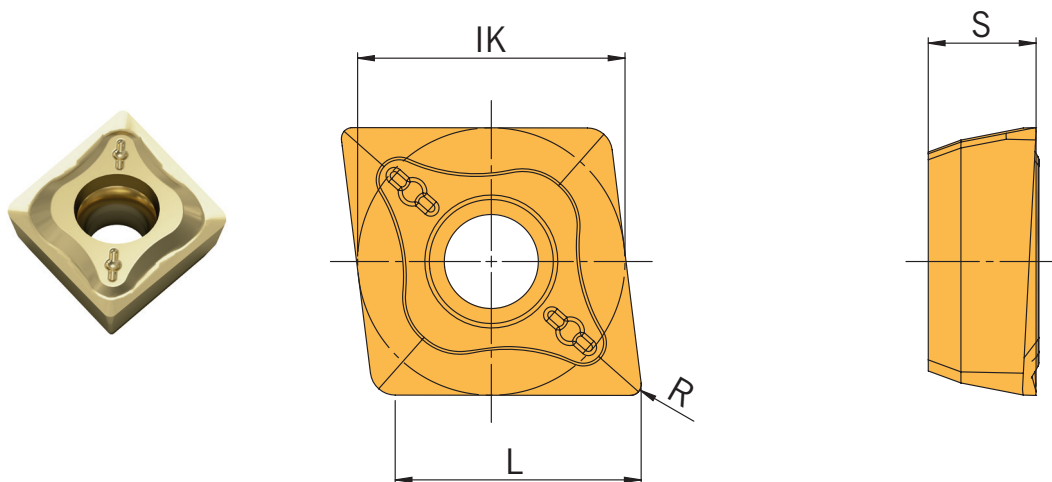
Spare Parts

Holder	Screw	Torque	Key
SCR...-06-IP	TS-0102	1,0 Nm	SD-5107 PLUS
SCR...-07-IP	TS-0103	1,3 Nm	SD-5108 PLUS
SCR...-08 / 09-IP	TS-0104	2,2 Nm	SD-5109 PLUS
SCR...-13-IP	TS-0106	6,2 Nm	SD-5120 PLUS

Indexable inserts

XPNT ...

Indexable inserts for turning and drilling tool



Sintered Execution

Article	IK	L	R	S	HC			HU	HC				HC	
					A72-L2	A52-BA2	A72-BB2	A82-CA2	B72-BD2	B62-BE2	B72-BF2	A42-BC2	C32-BG2	A8M-AG2
XPNT 040102 EL/R	4,5	4,0	0,2	1,80	◆				◆					◆
XPNT 040104 EL/R	4,5	4,0	0,4	1,80	◆	◆	◆	◆	◆	◆	◆		◆	◆
XPNT 050202 EN	5,8	5,0	0,2	2,10	◆	◆	◆	◆	◆	◆				
XPNT 050204 EN	5,8	5,0	0,4	2,10	◆	◆	◆		◆	◆	◆		◆	◆
XPNT 060202 EN	6,5	6,0	0,2	2,38	◆				◆					◆
XPNT 060204 EN	6,5	6,0	0,4	2,38	◆	◆	◆		◆	◆	◆		◆	◆
XPNT 070304 EN	7,6	7,0	0,4	3,18	◆	◆	◆	◆	◆	◆	◆			◆
XPNT 080304 EN	8,5	8,0	0,4	3,18	◆	◆	◆	◆	◆	◆	◆		◆	◆
XPNT 080304 EN-W2	8,5	8,0	0,4	3,18		◆	◆			◆				
XPNT 09T304 EN	9,6	9,0	0,4	3,97	◆	◆	◆	◆	◆	◆	◆		◆	◆
XPNT 09T304 EN-W2	9,6	9,0	0,4	9,60		◆	◆			◆				
XPNT 10T304 EN	10,6	10,0	0,4	3,97	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
XPNT 10T304 EN-W2	10,6	10,0	0,4	3,97		◆	◆			◆				
XPNT 10T308 EN	10,6	10,0	0,8	3,97	◆			◆	◆					◆
XPNT 130404 EN	13,5	12,5	0,4	4,76	◆	◆	◆	◆	◆	◆	◆			◆
XPNT 130408 EN	13,5	12,5	0,8	4,76	◆	◆	◆		◆	◆		◆		◆
XPNT 170508 EN	17,5	16,0	0,8	5,56	◆	◆		◆	◆	◆	◆			◆

HC = Carbide coated
HU = Carbide uncoated

P	●	●	●	●	○	○	○	○	○	●
M	○	○	○	○	●	●	●	●		
K		●	●			○			●	●
N						○				
S			○		○	●	○	○		
H										

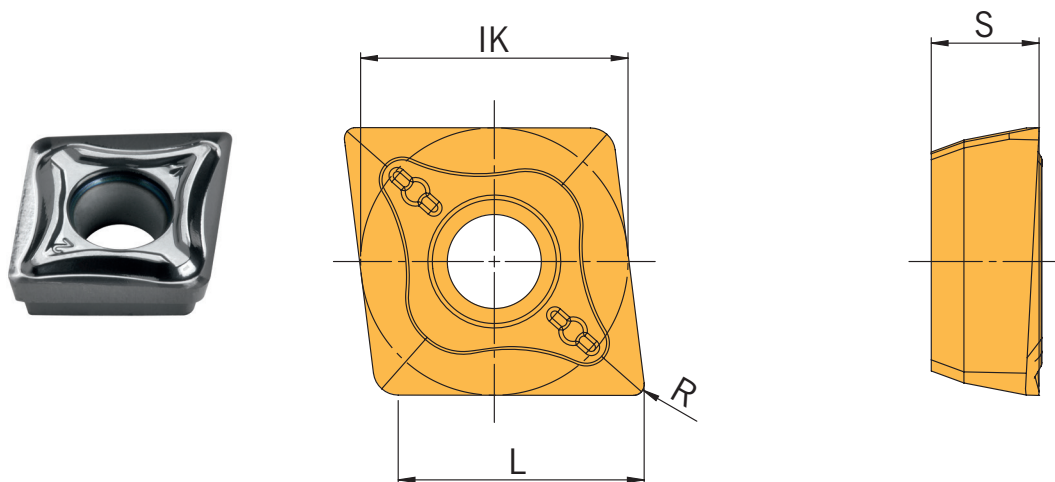
● Main application

○ Secondary application

Indexable inserts

XPET ...

Indexable inserts for turning and drilling tool



Precision ground execution

Article	IK	L	R	S	HC		HC	HU
					A22-A2	A72-L2	A8M-AG2	D22-AK2
XPET 040102 EL/R-W2	4,5	4,0	0,2	1,80	◆			◆
XPET 040104 EL-D2	4,5	4,0	0,4	1,80	◆			◆
XPET 040104 EL/R-W2	4,5	4,0	0,4	1,80	◆			◆
XPET 050202 EN-W2	5,8	5,0	0,2	2,10	◆			◆
XPET 050204 EN-D2	5,8	5,0	0,4	2,10	◆			◆
XPET 050204 EN-W2	5,8	5,0	0,4	2,10	◆			◆
XPET 060202 EN-W2	6,5	6,0	0,2	2,38	◆			◆
XPET 060204 EN-W2	6,5	6,0	0,4	2,38			◆	
XPET 060204 EN-D2	6,5	6,0	0,4	2,38	◆			◆
XPET 060204 EN-W2	6,5	6,0	0,4	2,38	◆			◆
XPET 070304 EN-W2	7,6	7,0	0,4	3,18		◆	◆	
XPET 070304 EN-D2	7,6	7,0	0,4	3,18	◆			◆
XPET 070304 EN-W2	7,6	7,0	0,4	3,18	◆			◆
XPET 080304 EN-W2	8,5	8,0	0,4	3,18		◆	◆	
XPET 080304 EN-D2	8,5	8,0	0,4	3,18	◆			◆
XPET 080304 EN-W2	8,5	8,0	0,4	3,18	◆			◆
XPET 09T304 EN-W2	9,6	9,0	0,4	3,97			◆	
XPET 09T304 EN-D2	9,6	9,0	0,4	3,00	◆			◆
XPET 09T304 EN-W2	9,6	9,0	0,4	3,97	◆			◆
XPET 10T304 EN-W2	10,6	10,0	0,4	3,97		◆		
XPET 10T304 EN-D2	10,6	10,0	0,4	3,97	◆			◆
XPET 10T304 EN-W2	10,6	10,0	0,4	3,97	◆			◆
XPET 10T308 EN-W2	10,6	10,0	0,8	3,97	◆			◆
XPET 130404 EN-W2	13,5	12,5	0,4	4,76		◆		
XPET 130404 EN-D2	13,5	12,5	0,4	4,76	◆			◆
XPET 130404 EN-W2	13,5	12,5	0,4	4,76	◆			◆
XPET 130408 EN-W2	13,5	12,5	0,8	4,76	◆			◆
XPET 170508 EN-D2	17,5	16,0	0,8	5,56	◆			◆
XPET 170508 EN-W2	17,5	16,0	0,8	5,56	◆			◆

HC = Carbide coated
HU = Carbide uncoated

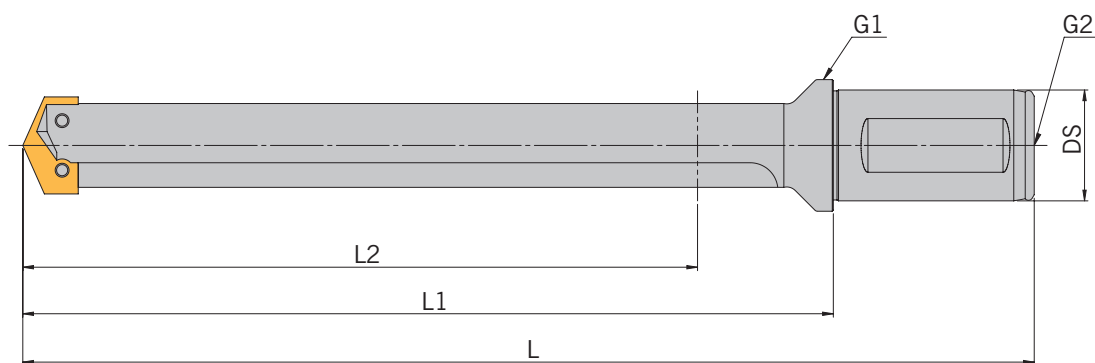
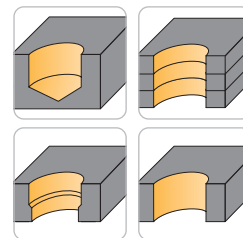
P	●	●	●	
M	○	○		
K	●		●	○
N	○			●
S	○			○

● Main application
○ Secondary application

Insert drill

S1DH-A-...

Insert drill with cylindrical shank - Style A



Holders

Designation	L	L1	L2	DS	Clamping wedge	G1	G2	Size
S1DH-A-19SD16	91,9	50,0	19	16	G	G 1/8"	-	A
S1DH-A-32SD20	105,4	63,5	32	20	G	-	-	A
S1DH-A-60HD20	133,0	91,1	60	20	SP	-	-	A
S1DH-A-86HD20	159,9	118,0	86	20	SP	-	-	A
S1DH-A-111HD20	184,8	142,9	111	20	SP	-	-	A
S1DH-A-111HD20-TR	184,8	142,9	111	20	SP	-	G 1/8"	A
S1DH-A-222SD20	296,0	254,1	222	20	G	-	-	A
S1DH-A-290DD20	364,2	322,3	290	20	G	-	-	A

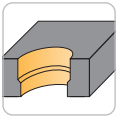
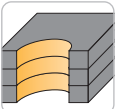
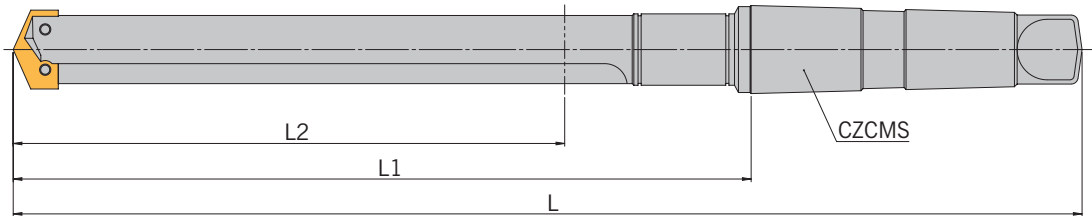
Spare Parts

Holder	Screw	Torque	Key
S1DH-A...	TS-0011	0,6 Nm	SD-5107

Insert drill

S1DH-A-...

Insert drill with morse taper shank - Style A



Similar to illustration

Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-A-32SMT2	163,0	88,0	32	0020	DIN 228	B	G	2KDA	A
S1DH-A-60HMT2	191,7	116,7	60	0020	DIN 228	B	SP	2KDA	A
S1DH-A-111HMT2	242,4	167,4	111	0020	DIN 228	B	SP	2KDA	A
S1DH-A-111HMT2-BT	242,4	167,4	111	0020	DIN 228	BK	SP	2KDA	A

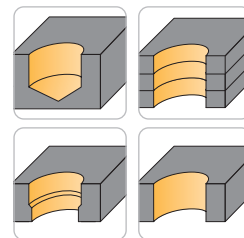
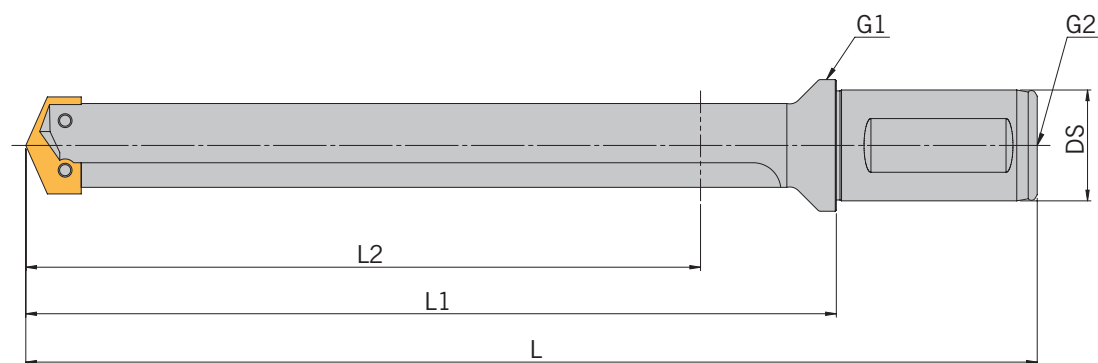
Spare Parts

Holder	Screw	Torque	Key
S1DH-A...	TS-0011	0,6 Nm	SD-5107

Insert drill

S1DH-C-...

Insert drill with cylindrical shank - Style C



Similar to illustration

Holders

Designation	L	L1	L2	DS	Clamping wedge	G1	G2	Size
S1DH-C-180HD20	89,9	48,0	19	16	G	G 1/8"	M6	C
S1DH-C-32SD20	105,4	63,5	32	20	G	-	-	C
S1DH-C-60HD20	134,0	92,1	60	20	SP	-	-	C
S1DH-C-60HD20-TR	134,0	92,1	60	20	SP	-	G 1/8"	C
S1DH-C-8HD20	159,9	118,0	86	20	SP	-	-	C
S1DH-C-111HD20	184,8	142,9	111	20	SP	-	-	C
S1DH-C-111HD20-TR	184,8	142,9	111	20	SP	-	G 1/8"	C
S1DH-C-180HD20	253,9	212,0	180	20	SP	-	-	C
S1DH-C-222SD20	296,0	254,1	222	20	G	-	-	C
S1DH-C-290SD20	364,2	322,3	290	20	G	-	-	C

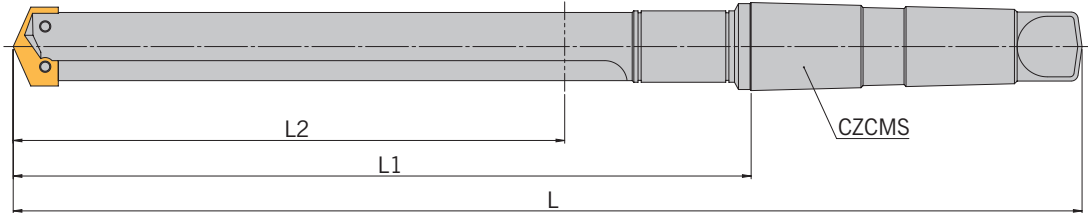
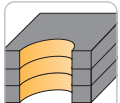
Spare Parts

Holder	Screw	Torque	Key
S1DH-C-...	TS-0011	0,6 Nm	SD-5107

Insert drill

S1DH-C-...

Insert drill with morse taper shank - Style C



Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-C-32SSMT2	163,0	88,0	32	0020	DIN 228	B	G	2KDA	C
S1DH-C-60HMT2	191,7	116,7	60	0020	DIN 228	B	SP	2KDA	C
S1DH-C-111HMT2	242,4	167,4	111	0020	DIN 228	B	SP	2KDA	C
S1DH-C-111HMT2-BT	242,4	167,4	111	0020	DIN 228	BK	SP	2KDA	C

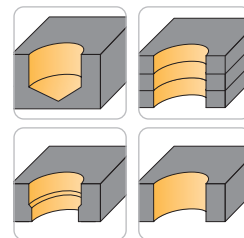
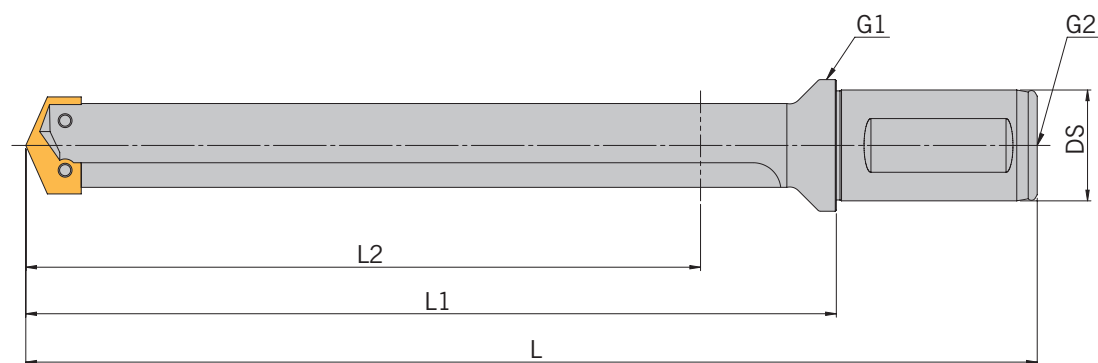
Spare Parts

Holder	Screw	Torque	Key
S1DH-C-...	TS-0011	0,6 Nm	SD-5107

Insert drill

S1DH-E-...

Insert drill with cylindrical shank - Style E



Similar to illustration

Holders

Designation	L	L1	L2	DS	Clamping wedge	G1	G2	Size
S1DH-E-22SD20	92,3	50,4	22	20	G	G 1/8"	-	E
S1DH-E-35SD20	108,2	66,3	35	20	G	-	-	E
S1DH-E-64HD20	136,8	94,9	64	20	SP	-	-	E
S1DH-E-64HD20-TR	136,8	94,9	64	20	SP	-	G 1/8"	E
S1DH-E-89HD20	161,9	120,0	89	20	SP	-	-	E
S1DH-E-114HMT5	187,6	145,7	114	20	SP	-	-	E
S1DH-E-114HD20-TR	187,6	145,7	114	20	SP	-	G 1/8"	E
S1DH-E-178HD20	251,0	209,1	178	20	SP	-	-	E
S1DH-E-178HD20-TR	251,0	209,1	178	20	SP	-	G 1/8"	E
S1DH-E-240HD20	312,9	271,0	240	20	SP	-	-	E
S1DH-E-295SD20	368,6	326,7	295	20	G	-	-	E
S1DH-E-387SD20	460,7	418,8	387	20	G	-	-	E

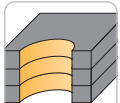
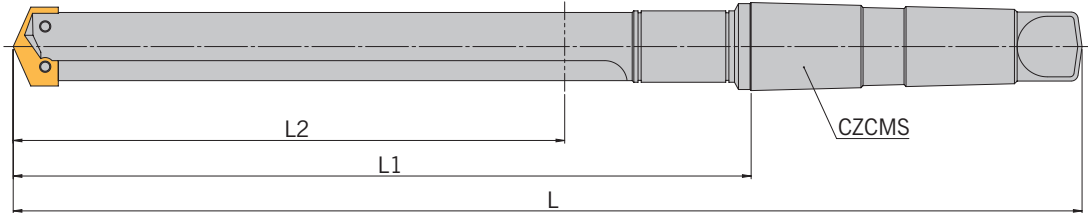
Spare Parts

Holder	Screw	Torque	Key
S1DH-E...	TS-0012	1,3 Nm	SD-5108

Insert drill

S1DH-E-...

Insert drill with morse taper shank - Style E



Similar to illustration

Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-E-35SMT2	167,4	92,4	35	0020	DIN 228	B	G	2KDA	E
S1DH-E-64HMT2	196,0	121,0	64	0020	DIN 228	B	SP	2KDA	E
S1DH-E-114HMT2	246,8	171,8	114	0020	DIN 228	B	SP	2KDA	E
S1DH-E-114HMT2-BT	310,8	171,8	114	0020	DIN 228	BK	SP	2KDA	E
S1DH-E-178HMT2	246,8	235,8	178	0020	DIN 228	B	SP	2KDA	E

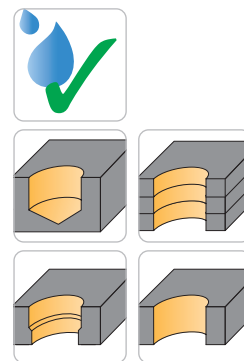
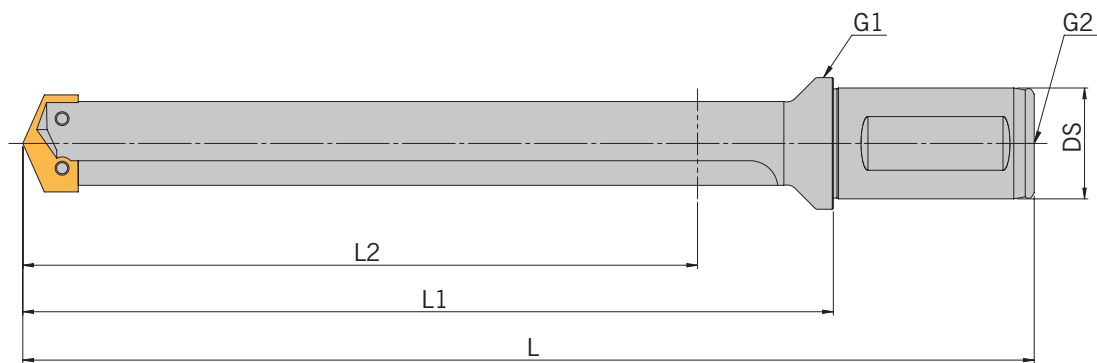
Spare Parts

Holder	Screw	Torque	Key
S1DH-E-...	TS-0012	1,3 Nm	SD-5108

Insert drill

S1DH-G-...

Insert drill with cylindrical shank - Style G



Similar to illustration

Holders

Designation	L	L1	L2	DS	Clamping wedge	G1	G2	Size
S1DH-G-22SD20	92,3	50,4	22	20	G	G 1/8"	-	G
S1DH-G-35SD20	108,2	66,3	35	20	G	-	-	G
S1DH-G-64HD20	136,8	94,9	64	20	SP	-	-	G
S1DH-G-114HD20	187,6	145,7	114	20	SP	-	-	G
S1DH-G-178HD20	251,0	209,1	178	20	SP	-	-	G
S1DH-G-240HMT5	312,9	271,0	240	20	SP	-	-	G

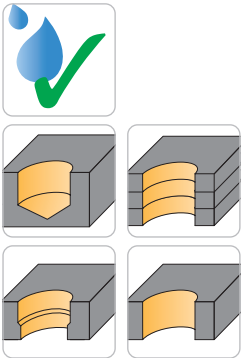
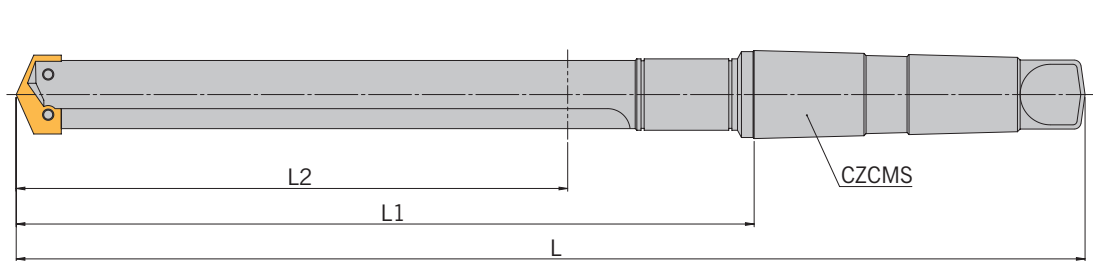
Spare Parts

Holder	Screw	Torque	Key
S1DH-G...	TS-0018	1,3 Nm	SD-5108

Insert drill

S1DH-G-...

Insert drill with morse taper shank - Style G



Similar to illustration

Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-G-35SMT2	167,4	92,4	35	0020	DIN 228	B	G	2KDA	G
S1DH-G-64HMT2	196,0	121,0	64	0020	DIN 228	B	SP	2KDA	G
S1DH-G-114HMT2	246,8	171,8	114	0020	DIN 228	B	SP	2KDA	G
S1DH-G-178HMT2	310,8	235,8	178	0020	DIN 228	B	SP	2KDA	G

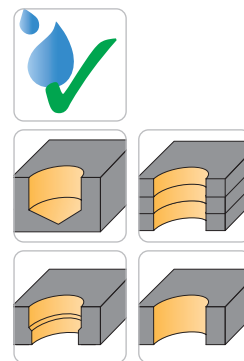
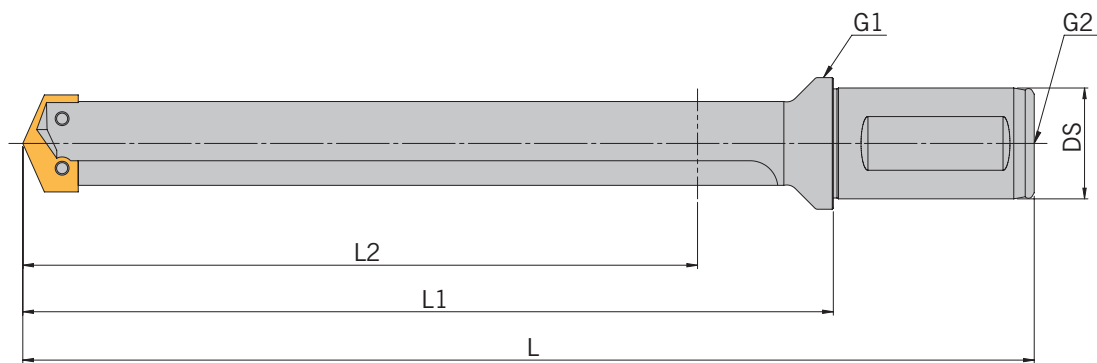
Spare Parts

Holder	Screw	Torque	Key
S1DH-G-...	TS-0018	1,3 Nm	SD-5108

Insert drill

S1DH-I-...

Insert drill with cylindrical shank - Style I



Similar to illustration

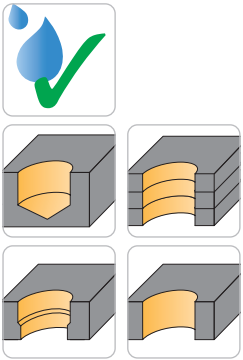
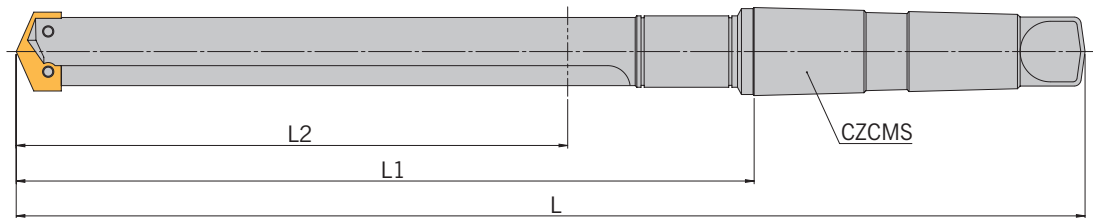
Holders

Designation	L	L1	L2	DS	Clamping wedge	G1	G2	Size
S1DH-I-47SD25	132,5	79,4	47	25	G	G 1/8"	-	I
S1DH-I-67SD25	163,8	110,7	67	25	G	-	-	I
S1DH-I-67SD25-TR	163,8	110,7	67	25	G	-	G 1/8"	I
S1DH-I-118HD25	211,5	158,4	118	25	SP	-	-	I
S1DH-I-168HD25	262,3	209,2	168	25	SP	-	-	I
S1DH-I-168HD25-TR	262,3	209,2	168	25	SP	-	G 1/8"	I
S1DH-I-219HD25	313,1	260,0	219	25	SP	-	-	I
S1DH-I-270HD25	363,9	310,8	270	25	SP	-	-	I
S1DH-I-365HD25	459,1	406,0	365	25	SP	-	-	I
S1DH-I-457SD25	551,2	498,1	457	25	G	-	-	I
S1DH-I-565SD25	659,2	606,1	565	25	G	-	-	I

Insert drill

S1DH-I-...

Insert drill with morse taper shank - Style I



Similar to illustration

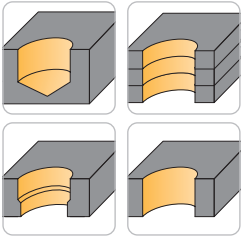
Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-I-70SMT3	236,5	142,5	70	0030	DIN 228	B	G	3KDA	I
S1DH-I-70SMT3-BT	236,5	142,5	70	0030	DIN 228	BK	G	3KDA	I
S1DH-I-121HMT3	287,9	193,9	121	0030	DIN 228	B	SP	3KDA	I
S1DH-I-121HMT3-BT	287,9	193,9	121	0030	DIN 228	BK	SP	3KDA	I
S1DH-I-172HMT3	338,1	244,1	172	0030	DIN 228	B	SP	3KDA	I
S1DH-I-172HMT3-BT	338,1	244,1	172	0030	DIN 228	BK	SP	3KDA	I
S1DH-I-273HMT3	439,7	345,7	273	0030	DIN 228	B	SP	3KDA	I

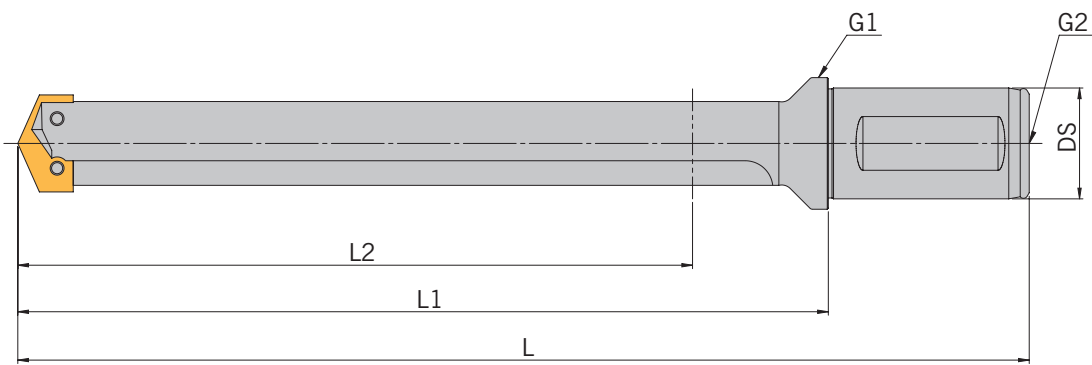
Insert drill

S1DH-K-...

Insert drill with cylindrical shank - Style K



Similar to illustration



Holders

Designation	L	L1	L2	DS	Clamping wedge	G1	G2	Size
S1DH-K-57SD25	145,2	92,1	57	25	G	G 1/8"	-	K
S1DH-K-67SD25	163,8	110,7	67	25	G	-	-	K
S1DH-K-118HD25	211,5	158,4	118	25	SP	-	-	K
S1DH-K-168HD25	262,3	209,2	168	25	SP	-	-	K
S1DH-K-270HD25	363,9	310,8	270	25	SP	-	-	K
S1DH-K-365HMT5	459,1	406,0	365	25	SP	-	-	K

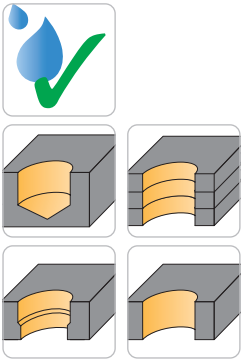
Spare Parts

Holder	Screw	Torque	Key
S1DH-K-...	TS-0019	2,2 Nm	SD-5109

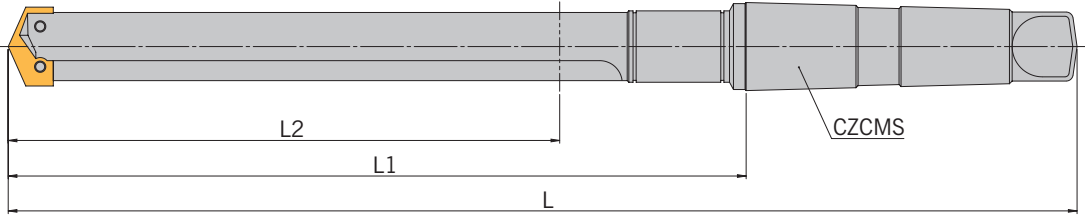
Insert drill

S1DH-K-...

Insert drill with morse taper shank - Style K



Similar to illustration



Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-K-70SMT3	236,5	142,5	70	0030	DIN 228	B	G	3KDA	K
S1DH-K-121HMT3	287,9	193,9	121	0030	DIN 228	B	SP	3KDA	K
S1DH-K-121HMT3-BT	287,9	193,9	121	0030	DIN 228	BK	SP	3KDA	K
S1DH-K-172HMT3	338,1	244,1	172	0030	DIN 228	B	SP	3KDA	K
S1DH-K-172HMT3-BT	338,1	244,1	172	0030	DIN 228	BK	SP	3KDA	K
S1DH-K-273HMT3	439,7	345,7	273	0030	DIN 228	B	SP	3KDA	K

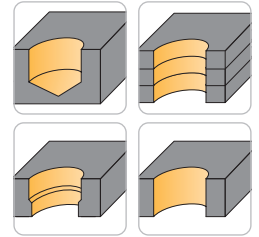
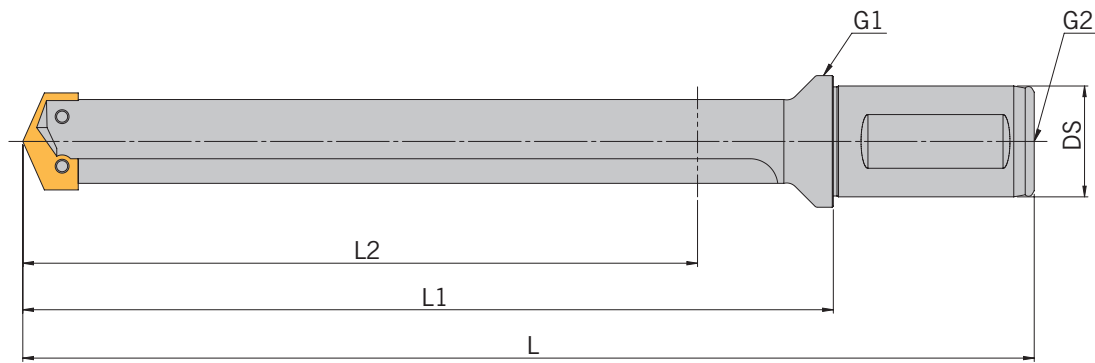
Spare Parts

Holder	Screw	Torque	Key
S1DH-K-...	TS-0019	2,2 Nm	SD-5109

Insert drill

S1DH-M...

Insert drill with cylindrical shank - Style M



Similar to illustration

Holders

Designation	L	L1	L2	DS	Clamping wedge	G1	G2	Size
S1DH-M-57SD32	150,0	92,1	57	32	G	G 1/8"	-	M
S1DH-M-86SD32	190,1	132,2	86	32	G	-	-	M
S1DH-M-86SD32-TR	190,1	132,2	86	32	G	-	G 1/4"	M
S1DH-M-137HD32	240,9	183,0	137	32	SP	-	-	M
S1DH-M-137HD32-TR	240,9	183,0	137	32	SP	-	G 1/4"	M
S1DH-M-187HD32	291,7	233,8	187	32	SP	-	-	M
S1DH-M-187HD32-TR	291,7	233,8	187	32	SP	-	G 1/4"	M
S1DH-M-238HD32	342,9	285,0	238	32	SP	-	-	M
S1DH-M-289HD32	393,3	335,4	289	32	SP	-	-	M
S1DH-M-289HD32-TR	393,3	335,4	289	32	SP	-	G 1/4"	M
S1DH-M-410HD32	514,4	456,5	410	32	SP	-	-	M
S1DH-M-511SD32	615,6	557,7	511	32	G	-	-	M
S1DH-M-692SD32	796,6	738,7	692	32	G	-	-	M

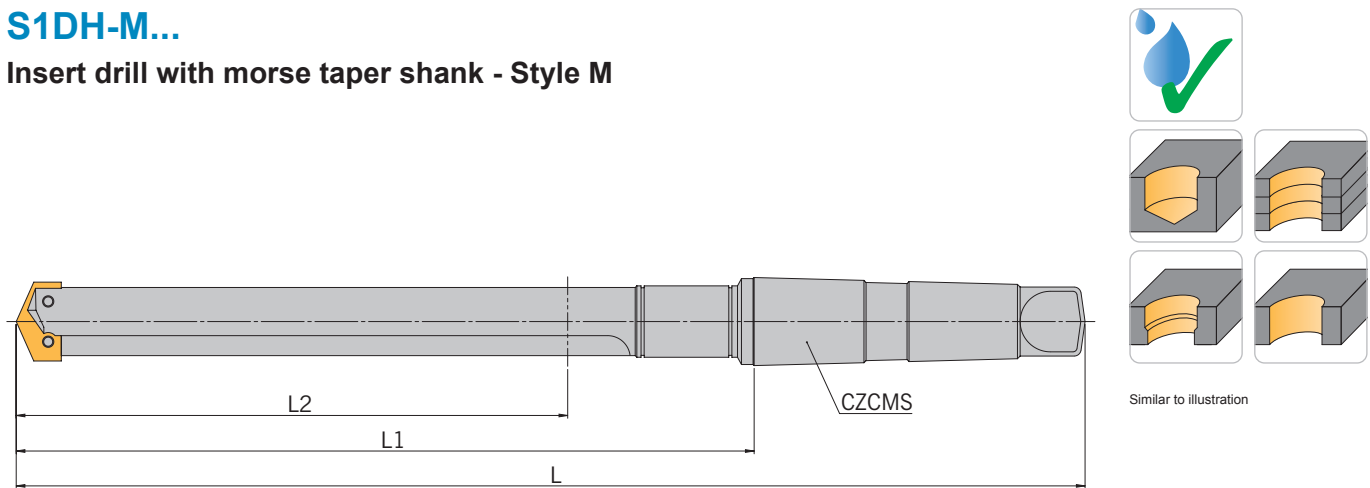
Spare Parts

Holder	Screw	Torque	Key
S1DH-M-...	TS-0014	5,1 Nm	SD-5115

Insert drill

S1DH-M...

Insert drill with morse taper shank - Style M



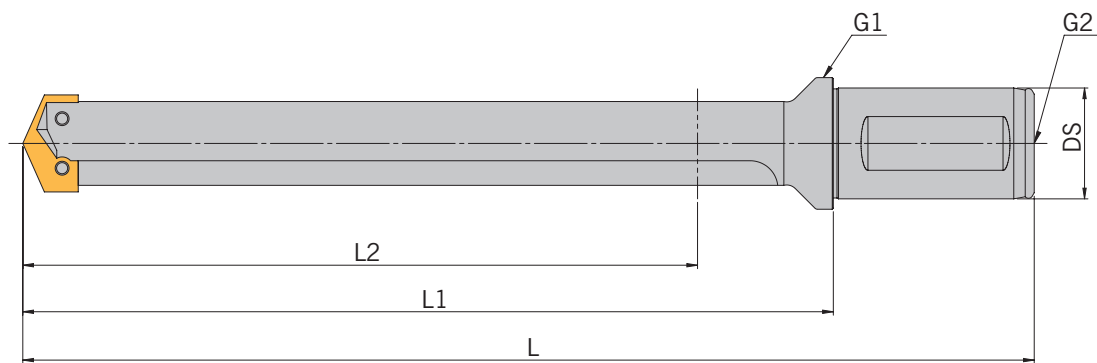
Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-M-86SMT4	277,9	160,4	86	0040	DIN 228	B	G	3KDA	M
S1DH-M-86SMT4-BT	277,9	160,4	86	0040	DIN 228	BK	G	3KDA	M
S1DH-M-137HMT4	328,7	211,2	137	0040	DIN 228	B	SP	3KDA	M
S1DH-M-137HMT4-BT	328,7	211,2	137	0040	DIN 228	BK	SP	3KDA	M
S1DH-M-188HMT4	379,5	262,0	188	0040	DIN 228	B	SP	3KDA	M
S1DH-M-188HMT4-BT	379,5	262,0	188	0040	DIN 228	BK	SP	3KDA	M
S1DH-M-289HMT4	481,1	363,6	289	0040	DIN 228	B	SP	3KDA	M

Insert drill

S1DH-O...

Insert drill with cylindrical shank - Style O



Similar to illustration

Holders

Designation	L	L1	L2	DS	Clamping wedge	G1	G2	Size
S1DH-O-86SD32	190,1	132,2	86	32	G	-	-	O
S1DH-O-92SD32	184,9	127,0	92	32	G	-	-	O
S1DH-O-137HD32	240,9	183,0	137	32	SP	-	-	O
S1DH-O-187HD32	291,7	233,8	187	32	SP	-	-	O
S1DH-O-289HD32	393,3	335,4	289	32	SP	-	-	O
S1DH-O-410HMT5	514,4	456,5	410	32	SP	-	-	O

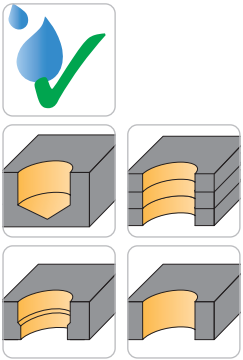
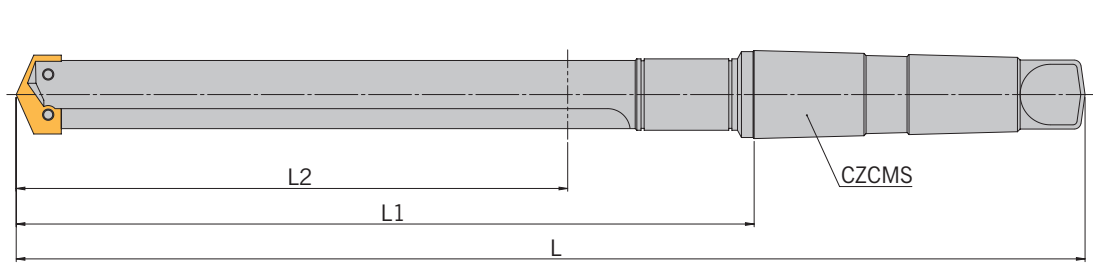
Spare Parts

Holder	Screw	Torque	Key
S1DH-O...	TS-0014	5,1 Nm	SD-5115

Insert drill

S1DH-O-...

Insert drill with morse taper shank - Style O



Similar to illustration

Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-O-86SMT4	285,1	167,6	86	0040	DIN 228	B	G	4KDA	O
S1DH-O-137HMT4	335,9	218,4	137	0040	DIN 228	B	SP	4KDA	O
S1DH-O-188HMT4	386,9	269,4	188	0040	DIN 228	B	SP	4KDA	O
S1DH-O-289HMT4	488,3	370,8	289	0040	DIN 228	B	SP	4KDA	O

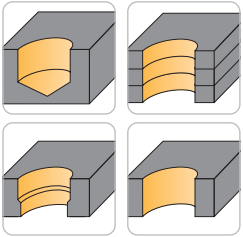
Spare Parts

Holder	Screw	Torque	Key
S1DH-O...	TS-0014	5,1 Nm	SD-5115

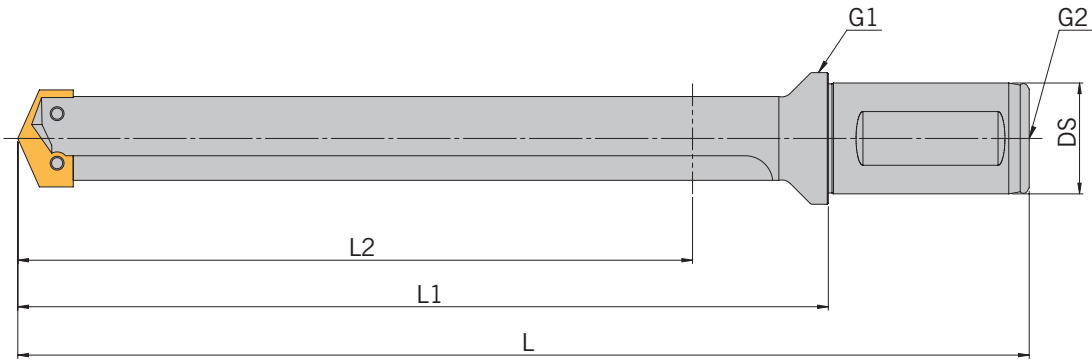
Insert drill

S1DH-Q-...

Insert drill with cylindrical shank - Style Q



Similar to illustration



Holders

Designation	L	L1	L2	DS	Clamping wedge	G1	G2	Size
S1DH-Q-76SD40	199,9	129,8	76	40	G	G 1/4"	-	Q
S1DH-Q-121SD40	247,9	177,8	121	40	G	-	-	Q
S1DH-Q-121SD40-TR	247,9	177,8	121	40	G	-	G 1/4"	Q
S1DH-Q-165HD40	292,4	222,3	165	40	SP	-	-	Q
S1DH-Q-165HD40-TR	292,4	222,3	165	40	SP	-	G 1/4"	Q
S1DH-Q-210HD40	336,8	266,7	210	40	SP	-	-	Q
S1DH-Q-210HD40-TR	336,8	266,7	210	40	SP	-	G 1/4"	Q
S1DH-Q-349SD40	476,5	406,4	349	40	G	-	-	Q
S1DH-Q-558SD40	686,0	615,9	558	40	G	-	-	Q
S1DH-Q-787SD40	914,6	844,5	787	40	G	-	-	Q

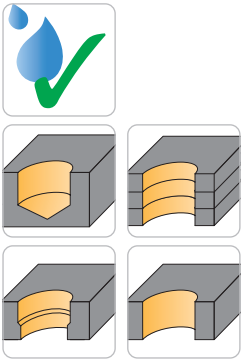
Spare Parts

Holder	Screw	Torque	Key
S1DH-Q-...	TS-0015	6,2 Nm	SD-5120

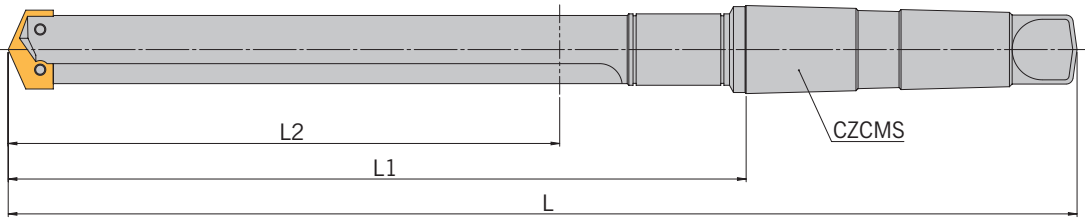
Insert drill

S1DH-Q-...

Insert drill with morse taper shank - Style Q



Similar to illustration



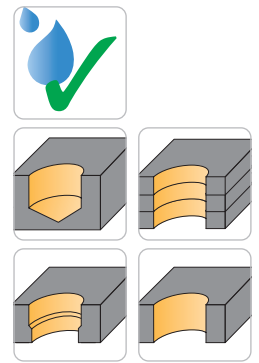
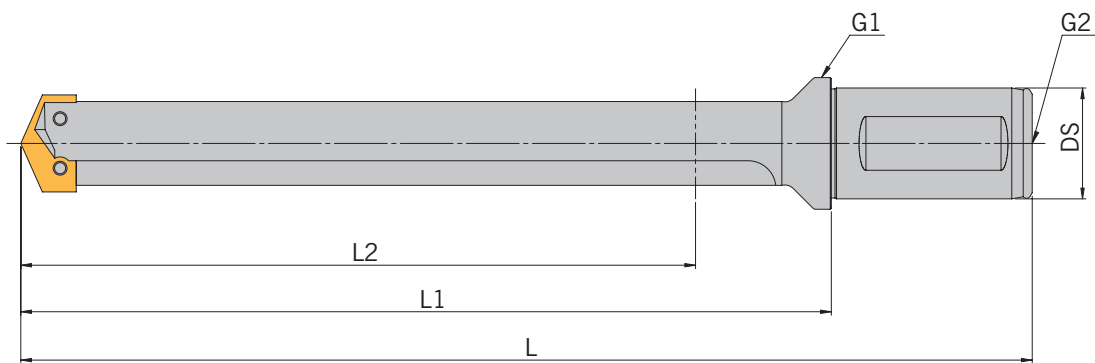
Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-Q-121SMT4	323,9	206,4	121	0040	DIN 228	B	G	4KDA	Q
S1DH-Q-165HMT4	368,4	250,9	165	0040	DIN 228	B	SP	4KDA	Q
S1DH-Q-165HMT4-BT	368,4	250,9	165	0040	DIN 228	BK	SP	4KDA	Q
S1DH-Q-210HMT4	412,8	295,3	210	0040	DIN 228	B	SP	4KDA	Q
S1DH-Q-349SMT4	552,5	435,0	349	0040	DIN 228	B	G	4KDA	Q
S1DH-Q-558SMT4	762,1	644,6	558	0040	DIN 228	B	G	4KDA	Q
S1DH-Q-787SMT4	990,7	873,2	787	0040	DIN 228	B	G	4KDA	Q

Insert drill

S1DH-S-...

Insert drill with cylindrical shank - Style S



Similar to illustration

Holders

Designation	L	L1	L2	DS	Clamping wedge	G1	G2	Size
S1DH-S-130SD40	254,3	184,2	130	40	G	-	-	S
S1DH-S-130SD40-TR	254,3	184,2	130	40	G	-	G 1/4"	S
S1DH-S-232HD40	355,9	285,8	232	40	SP	-	-	S
S1DH-S-232HD40-TR	355,9	285,8	232	40	SP	-	G 1/4"	S
S1DH-S-422SD40	546,4	476,3	422	40	G	-	-	S
S1DH-S-422SD40-TR	546,4	476,3	422	40	G	-	G 1/4"	S
S1DH-S-625SD40	749,6	679,5	625	40	G	-	-	S
S1DH-S-879SD40	1,003.6	933,5	879	40	G	-	-	S

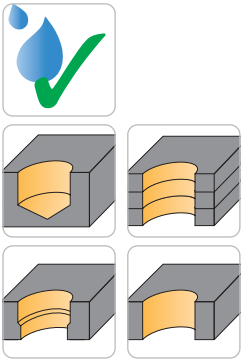
Spare Parts

Holder	Screw	Torque	Key
S1DH-S-...	TS-0015	6,2 Nm	SD-5120

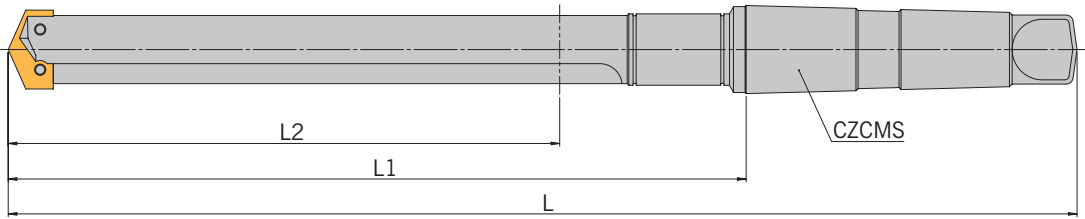
Insert drill

S1DH-S-...

Insert drill with morse taper shank - Style S



Similar to illustration



Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-S-130SMT5	368,6	219,1	130	0050	DIN 228	B	G	5KDA	S
S1DH-S-232HMT5	470,2	320,7	232	0050	DIN 228	B	SP	5KDA	S
S1DH-S-422SMT5	660,7	511,2	422	0050	DIN 228	B	G	5KDA	S
S1DH-S-625SMT5	863,9	714,4	625	0050	DIN 228	B	G	5KDA	S
S1DH-S-879SMT5	1,117.9	968,4	879	0050	DIN 228	B	G	5KDA	S

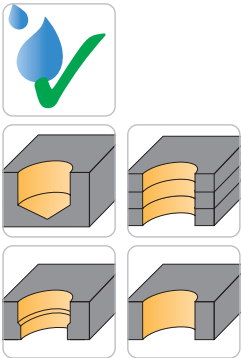
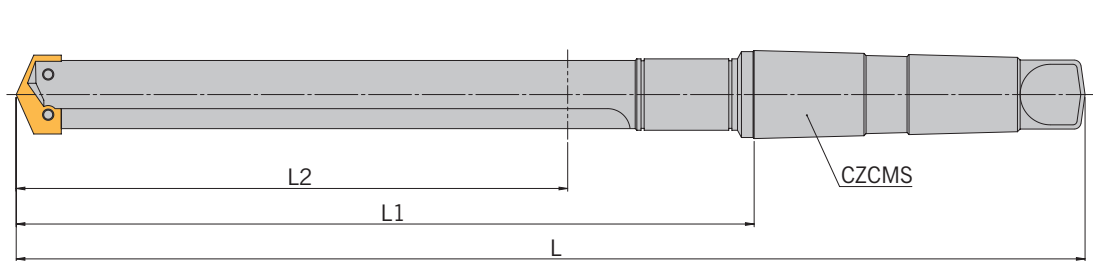
Spare Parts

Holder	Screw	Torque	Key
S1DH-S-...	TS-0015	6,2 Nm	SD-5120

Insert drill

S1DH-U-...

Insert drill with morse taper shank - Style U



Similar to illustration

Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-U-172SMT5	436,8	287,3	172	0050	DIN 228	B	G	6KDA	U
S1DH-U-273HMT5	538,4	388,9	273	0050	DIN 228	B	SP	6KDA	U
S1DH-U-464SMT5	728,9	579,4	464	0050	DIN 228	B	G	6KDA	U
S1DH-U-660SMT5	925,7	776,2	660	0050	DIN 228	B	G	6KDA	U
S1DH-U-889SMT5	1,154.3	1,004.8	889	0050	DIN 228	B	G	6KDA	U

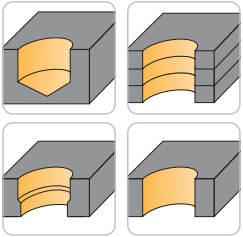
Spare Parts

Holder	Screw	Torque	Key
S1DH-U...	TS-0016	8,1 Nm	SD-5125

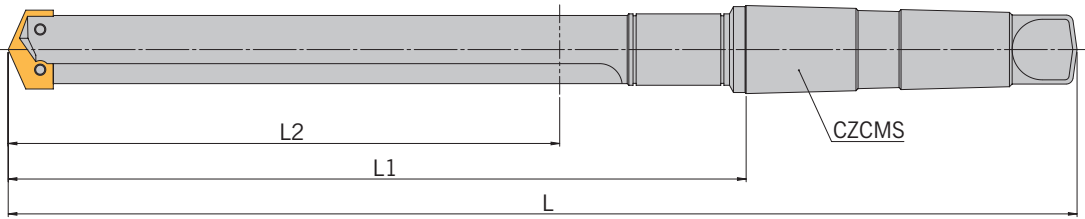
Insert drill

S1DH-W-...

Insert drill with morse taper shank - Style W



Similar to illustration



Holders

Designation	L	L1	L2	CZCMS	STDNO	STDLET	Clamping wedge	KSS-Set	Size
S1DH-W-172SMT5	446,3	296,80	172	0050	DIN 228	B	G	6KDA	W
S1DH-W-273HMT5	548,0	398,50	273	0050	DIN 228	B	SP	6KDA	W
S1DH-W-556SMT5	830,5	681,00	556	0050	DIN 228	B	G	6KDA	W
S1DH-W-685SMT5	960,7	811,25	685	0050	DIN 228	B	G	6KDA	W
S1DH-W-939SMT5	1,214.7	1,065.20	939	0050	DIN 228	B	G	6KDA	W

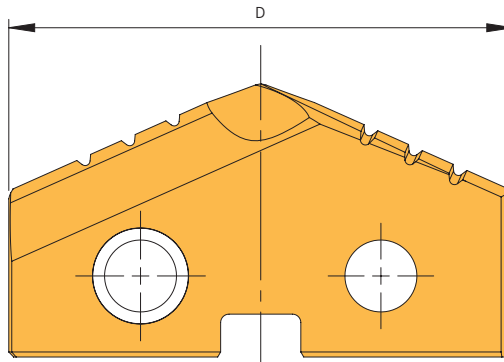
Spare Parts

Holder	Screw	Torque	Key
S1DH-W...	TS-0016	8,1 Nm	SD-5125

Inserts

S1D-A...

Inserts - Style A



Ground execution

Designation	D [mm]	D [inch]	Size	HC		SC			HC		HU
				A82/ TiAlN	HSS5/ TiAlN	HSS8/ TiAlN	HSS8/ TiAlN	TiCN	C22/ TiAlN	C42/ TiAlN	C42
S1D-A9.5-U	9,50	-	A	◆	◆	◆	◆		◆	◆	◆
S1D-A9.8-U	9,80	-	A	◆	◆	◆	◆		◆	◆	◆
S1D-A9.53-U	9,53	3/8"	A		◆						
S1D-A9.92-U	9,92	25/64"	A	◆	◆						
S1D-A10-U	10,00	-	A	◆	◆	◆	◆		◆	◆	◆
S1D-A10.2-U	10,20	-	A	◆	◆	◆	◆		◆	◆	◆
S1D-A10.32-U	10,32	13/32"	A		◆						
S1D-A10.5-U	10,50	-	A	◆	◆	◆	◆		◆	◆	◆
S1D-A10.8-U	10,80	-	A	◆	◆	◆	◆		◆	◆	◆
S1D-A10.72-U	10,72	27/64"	A		◆						
S1D-A11-U	11,00	-	A	◆	◆	◆	◆		◆	◆	◆
S1D-A10-U2	10,00	-	A	◆	◆						
S1D-A11-U2	10,00	-	A	◆	◆						
S1D-A9.5-U1	9,50	-	A		◆					◆	
S1D-A9.8-U1	9,80	-	A		◆					◆	
S1D-A10-U1	10,00	-	A		◆					◆	
S1D-A10.2-U1	10,20	-	A		◆					◆	
S1D-A10.5-U1	10,50	-	A		◆					◆	
S1D-A10.8-U1	10,80	-	A		◆					◆	
S1D-A11-U1	11,00	-	A		◆					◆	

HC = Carbide coated

SC = HSS coated

HU = Carbide uncoated

Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

P	●	●	●	●		○	
M	○	●	●	○			
K			○		●	●	●
N				●		●	●
S		○	●			○	
H							

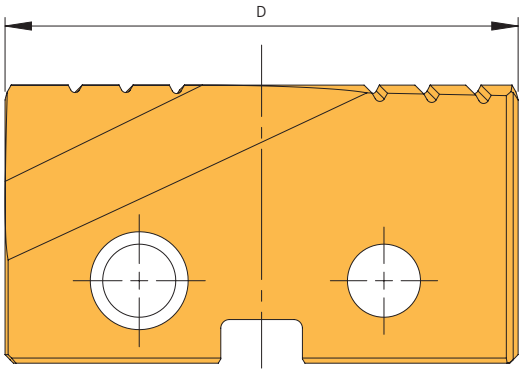
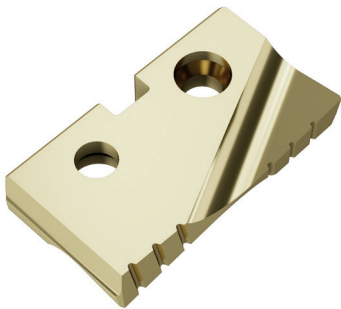
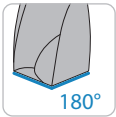
● Main application

○ Secondary application

Inserts

S1D-A...

Inserts - Style A - flat drill bit



Ground execution

Designation	D [mm]	Size	SC
			HSS5/ TiAIN
S1D-A9.5-FB	9,5	A	◆
S1D-A9.8-FB	9,8	A	◆
S1D-A10-FB	10,0	A	◆
S1D-A10.2-FB	10,2	A	◆
S1D-A10.5-FB	10,5	A	◆
S1D-A10.8-FB	10,8	A	◆
S1D-A11-FB	11,0	A	◆

SC = HSS coated

Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

P	●
M	●
K	
N	
S	○
H	

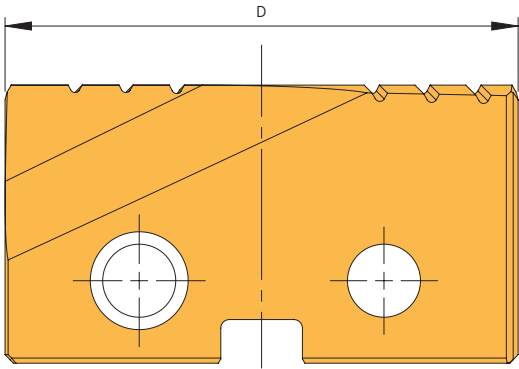
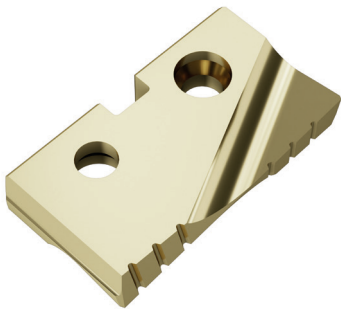
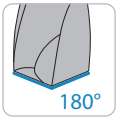
● Main application
○ Secondary application

				HC	SC					HC		HU
Designation	D [mm]	D [inch]	Size	A82/ T1AIN	HSS5/ TiN	HSS5/ T1AIN	HSS8/ T1AIN	HSS8/ TiCN	C22/ T1AIN	C42/ T1AIN	C42	
S1D-C11.11-U	11,11	7/16"	C		◆							
S1D-C11.5-U	11,50	-	C	◆		◆	◆	◆	◆	◆	◆	
S1D-C11.51-U	11,51	29/64"	C			◆						
S1D-C11.55-U	11,55	-	C							◆		
S1D-C11.8-U	11,80	-	C	◆								
S1D-C11.91-U	11,91	15/32"	C			◆						
S1D-C12-U	12,00	-	C	◆	◆	◆	◆	◆	◆	◆	◆	
S1D-C12.3-U	12,30	31/64"	C			◆						
S1D-C12.5-U	12,50	-	C	◆		◆	◆	◆	◆	◆	◆	
S1D-C12.7-U	12,70	1/2"	C			◆						
S1D-C12.8-U	12,80	-	C	◆		◆	◆	◆	◆	◆	◆	
S1D-C12-U2	12,00	-	C	◆		◆						
S1D-C12.7-U2	12,70	-	C	◆		◆						
S1D-C11.5-U1	11,50	-	C			◆				◆		
S1D-C12-U1	12,00	-	C			◆				◆		
S1D-C12.5-U1	12,50	-	C			◆				◆		
S1D-C12.8-U1	12,80	-	C							◆		

Inserts

S1D-C...

Inserts - Style C - flat drill bit



Ground execution

Designation	D [mm]	Size	SC
			HSS5/ TiAIN
S1D-C11.5-FB	11,5	C	◆
S1D-C12-FB	11,5	C	◆
S1D-C12.5-FB	11,5	C	◆
S1D-C12.8-FB	11,5	C	◆

SC = HSS coated
Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

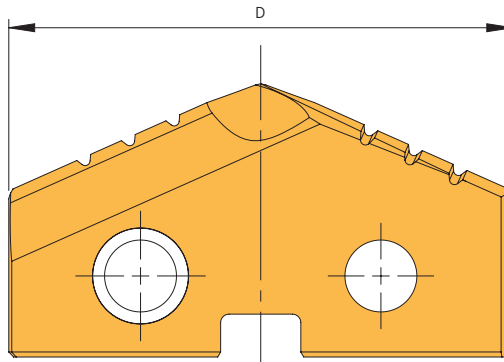
P	●
M	●
K	
N	
S	○
H	

● Main application
○ Secondary application

Inserts

S1D-E...

Inserts - Style E + G



Ground execution

Designation	D [mm]	D [inch]	Size	HC	SC				HC	HU
				A82/ TiAlN	HSS5/ TiN	HSS5/ TiAlN	HSS8/ TiAlN	HSS8/ TiAlN	C22/ TiAlN	C42/ TiAlN
S1D-E13-U	13,00	-	E	◆		◆	◆	◆	◆	◆
S1D-E13.1-U	13,10	33/64"	E			◆			◆	
S1D-E13.15-U	13,15	-	E				◆			
S1D-E13.49-U	13,49	17/32"	E			◆				
S1D-E13.5-U	13,50	-	E	◆		◆	◆	◆	◆	◆
S1D-E13.8-U	13,80	-	E	◆		◆	◆	◆	◆	◆
S1D-E14-U	14,00	-	E	◆	◆		◆	◆	◆	◆
S1D-E14.1-U	14,10	-	E			◆				
S1D-E14.29-U	14,29	9/16"	E			◆				
S1D-E14.3-U	14,30	-	E						◆	
S1D-E14.4-U	14,40	-	E			◆				
S1D-E14.5-U	14,50	-	E	◆		◆	◆	◆	◆	◆
S1D-E14.68-U	14,68	37/64"	E			◆				
S1D-E14.8-U	14,80	-	E	◆		◆	◆	◆	◆	◆
S1D-E15-U	15,00	-	E	◆		◆	◆	◆	◆	◆
S1D-E15.08-U	15,08	19/32"	E			◆				
S1D-E15.2-U	15,20	-	E			◆				
S1D-E15.5-U	15,50	-	E+G	◆		◆	◆	◆	◆	◆
S1D-E15.7-U	15,70	-	E+G						◆	
S1D-E15.8-U	15,80	-	E+G	◆		◆	◆	◆	◆	◆
S1D-E15.88-U	15,88	5/8"	E+G			◆				
S1D-E16-U	16,00	-	E+G	◆	◆	◆	◆	◆	◆	◆
S1D-E16.05-U	16,05	-	E+G		◆					
S1D-E16.1-U	16,10	-	E+G	◆	◆					
S1D-E16.27-U	16,27	41/64"	E+G			◆	◆			
S1D-E16.3-U	16,30	-	E+G						◆	
S1D-E16.5-U	16,50	-	E+G	◆	◆	◆	◆	◆	◆	◆
S1D-E16.67-U	16,67	21/32"	E+G			◆				
S1D-E16.8-U	16,80	-	E+G	◆		◆	◆	◆	◆	◆
S1D-E17-U	17,00	-	E+G	◆		◆	◆	◆	◆	◆
S1D-E17.46-U	17,46	11/16"	E+G			◆			◆	
S1D-E17.5-U	17,50	-	E+G	◆		◆	◆	◆	◆	

Inserts

Ground execution

Designation	D [mm]	D [inch]	Size	HC	SC					HC		HU
				A82/ TiAlN	HSS5/ TiN	HSS5/ TiAlN	HSS8/ TiAlN	HSS8/ TiAlN	HSS8/ TiCN	C22/ TiAlN	C42/ TiAlN	C42
S1D-E17.86-U	17,86	-	E+G		◆							
S1D-E13-U2	13,00	-	E	◆	◆							
S1D-E14-U2	14,00	-	E	◆	◆							
S1D-E15-U2	15,00	-	E	◆	◆							
S1D-E15.88-U2	15,88	-	E+G	◆	◆							
S1D-E16-U2	16,00	-	E+G	◆	◆							
S1D-E16.5-U2	16,50	-	E+G	◆	◆							
S1D-E17-U2	17,00	-	E+G	◆	◆							
S1D-E17.5-U2	17,50	-	E+G	◆	◆							
S1D-E13-U1	13,00	-	E		◆					◆		
S1D-E13.5-U1	13,50	-	E		◆					◆		
S1D-E13.8-U1	13,80	-	E		◆					◆		
S1D-E14-U1	14,00	-	E		◆					◆		
S1D-E14.25-U1	14,25	-	E							◆		
S1D-E14.5-U1	14,50	-	E		◆					◆		
S1D-E14.8-U1	14,80	-	E		◆					◆		
S1D-E15-U1	15,00	-	E+G		◆					◆		
S1D-E15.5-U1	15,50	-	E+G		◆					◆		
S1D-E15.8-U1	15,80	-	E+G		◆					◆		
S1D-E16-U1	16,00	-	E+G		◆					◆		
S1D-E16.5-U1	16,50	-	E+G		◆					◆		
S1D-E16.8-U1	16,80	-	E+G		◆							
S1D-E17-U1	17,00	-	E+G		◆					◆		
S1D-E17.5-U1	17,50	-	E+G		◆					◆		

HC = Carbide coated

SC = HSS coated

HU = Carbide uncoated

Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

P	●	●	●	●	●		○	
M	○	●	●	●	○			
K				○		●	●	●
N					●		●	●
S		○	○	●			○	
H								

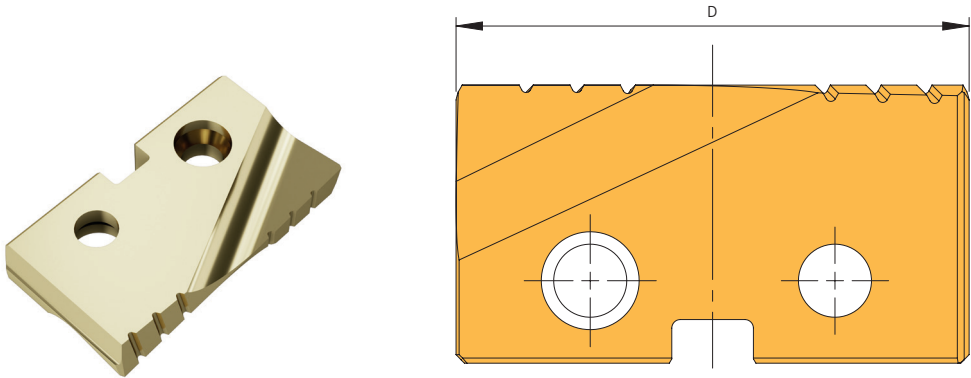
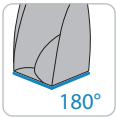
● Main application

○ Secondary application

Inserts

S1D-E...

Inserts - Style E + G - flat drill bit



Ground execution

Designation	D [mm]	Size	SC	
			HSS5/ TiN	HSS5/ TiAlN
S1D-E13-FB	13,0	E	◆	◆
S1D-E13.5-FB	13,5	E	◆	◆
S1D-E13.8-FB	13,8	E	◆	◆
S1D-E14-FB	14,0	E	◆	◆
S1D-E14.5-FB	14,5	E	◆	◆
S1D-E14.8-FB	14,8	E	◆	◆
S1D-E15-FB	15,0	E	◆	◆
S1D-E15.5-FB	15,5	E+G	◆	◆
S1D-E15.8-FB	15,8	E+G	◆	◆
S1D-E16-FB	16,0	E+G	◆	◆
S1D-E16.5-FB	16,5	E+G	◆	◆
S1D-E16.8-FB	16,8	E+G	◆	◆
S1D-E17-FB	17,0	E+G	◆	◆
S1D-E17.5-FB	17,5	E+G	◆	◆

SC = HSS coated

Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

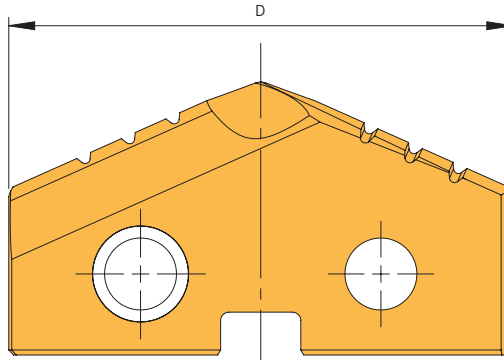
P	●	●
M	●	●
K		
N		
S	○	○
H		

● Main application
○ Secondary application

Inserts

S1D-I...

Inserts - Style I + K



Ground execution

Designation	D [mm]	D [inch]	Size	HC	SC						HC		HU
				A82/ TiAlN	HSS/ TiAlN	HSS/TiN	HSS5/ TiN	HSS5/ TiAlN	HSS8/ TiAlN	HSS8/ TiCN	C22/ TiAlN	C42/ TiAlN	C42
S1D-I17.5-U	17,50	-	I						◆				
S1D-I17.61-U	17,61	-	I								◆		
S1D-I17.8-U	17,80	-	I				◆	◆	◆	◆	◆	◆	◆
S1D-I17.86-U	17,86	45/64"	I					◆					
S1D-I18-U	18,00	-	I	◆	◆			◆	◆	◆	◆	◆	◆
S1D-I18.26-U	18,26	23/32"	I					◆					
S1D-I18.5-U	18,50	-	I	◆					◆	◆	◆		◆
S1D-I18.65-U	18,65	47/64"	I					◆					
S1D-I18.8-U	18,80	-	I	◆				◆	◆	◆	◆	◆	◆
S1D-I19-U	19,00	-	I	◆	◆			◆	◆	◆	◆	◆	◆
S1D-I19.05-U	19,05	3/4"	I					◆		◆			
S1D-I19.3-U	19,30	-	I					◆					
S1D-I19.45-U	19,45	49/64"	I					◆					
S1D-I19.5-U	19,50	-	I	◆	◆			◆	◆	◆	◆	◆	◆
S1D-I19.8-U	19,80	-	I	◆				◆			◆	◆	◆
S1D-I19.84-U	19,84	25/32"	I					◆					
S1D-I19.95-U	19,95	-	I			◆							
S1D-I20-U	20,00	-	I	◆	◆	◆		◆	◆	◆	◆	◆	◆
S1D-I20.1-U	20,10	-	I						◆				
S1D-I20.15-U	20,15	-	I			◆		◆					
S1D-I20.2-U	20,20	-	I			◆							
S1D-I20.5-U	20,50	-	I	◆		◆		◆	◆	◆	◆	◆	◆
S1D-I20.64-U	20,64	13/16"	I					◆					
S1D-I20.7-U	20,70	-	I	◆				◆	◆	◆	◆	◆	◆
S1D-I21-U	21,00	-	I	◆	◆			◆	◆	◆	◆	◆	◆
S1D-I21.43-U	21,43	27/32"	I					◆					
S1D-I21.5-U	21,50	-	I	◆				◆	◆	◆		◆	◆
S1D-I21.7-U	21,70	-	I	◆				◆	◆	◆	◆	◆	◆
S1D-I21.95-U	21,95	-	I			◆							
S1D-I22-U	22,00	-	I+K	◆	◆	◆		◆	◆	◆	◆	◆	◆
S1D-I22.23-U	22,23	7/8"	I+K			◆		◆				◆	
S1D-I22.4-U	22,40	-	I+K		◆								
S1D-I22.5-U	22,50	-	I+K	◆				◆	◆		◆	◆	◆
S1D-I22.62-U	22,62	-	I+K					◆					

Inserts

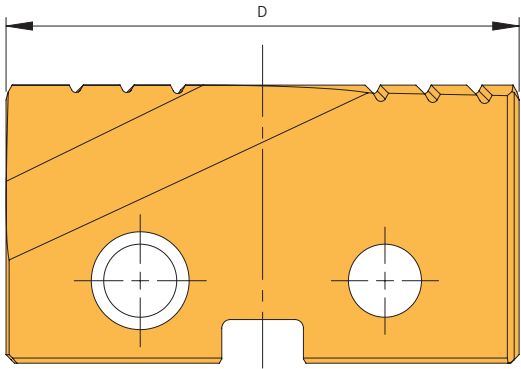
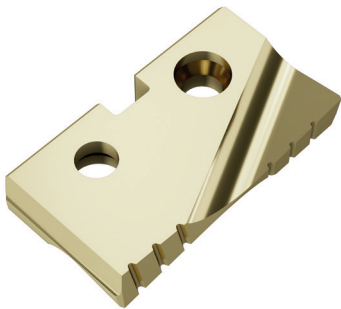
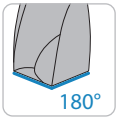
Ground execution

Designation	D [mm]	D [inch]	Size	HC	SC						HC		HU
				A82/ TiAlN	HSS/ TiAlN	HSS/TiN	HSS5/ TiN	HSS5/ TiAlN	HSS8/ TiAlN	HSS8/ TiCN	C22/ TiAlN	C42/ TiAlN	C42
S1D-I22.7-U	22,70	-	I+K	◆			◆		◆	◆	◆	◆	◆
S1D-I23-U	23,00	-	I+K	◆			◆		◆	◆	◆	◆	◆
S1D-I23.02-U	23,02	29/32"	I+K				◆						
S1D-I23.42-U	23,42	59/64"	I+K				◆						
S1D-I23.5-U	23,50	-	I+K	◆	◆				◆	◆	◆	◆	◆
S1D-I23.7-U	23,70	-	I+K	◆			◆		◆	◆	◆	◆	◆
S1D-I23.81-U	23,81	15/16"	I+K				◆					◆	
S1D-I24-U	24,00	-	I+K	◆	◆		◆		◆	◆	◆	◆	◆
S1D-I24.21-U	24,21	-	I+K			◆							
S1D-I17.8-U1	17,80	-	I				◆					◆	
S1D-I18-U1	18,00	-	I				◆					◆	
S1D-I18.5-U1	18,50	-	I				◆					◆	
S1D-I18.8-U1	18,80	-	I				◆					◆	
S1D-I19-U1	19,00	-	I				◆					◆	
S1D-I19.5-U1	19,50	-	I				◆					◆	
S1D-I19.8-U1	19,80	-	I				◆					◆	
S1D-I20-U1	20,00	-	I				◆					◆	
S1D-I20.5-U1	20,50	-	I				◆					◆	
S1D-I20.7-U1	20,70	-	I				◆					◆	
S1D-I21-U1	21,00	-	I				◆					◆	
S1D-I21.5-U1	21,50	-	I				◆					◆	
S1D-I21.7-U1	21,70	-	I				◆					◆	
S1D-I22-U1	22,00	-	I+K				◆					◆	
S1D-I22.5-U1	22,50	-	I+K				◆					◆	
S1D-I22.7-U1	22,70	-	I+K				◆					◆	
S1D-I23-U1	23,00	-	I+K				◆					◆	
S1D-I23.5-U1	23,50	-	I+K				◆					◆	
S1D-I23.7-U1	23,70	-	I+K				◆					◆	
S1D-I24-U1	24,00	-	I+K				◆					◆	
S1D-I18-U2	18,00	-	I	◆									
S1D-I18.5-U2	18,50	-	I	◆									
S1D-I19-U2	19,00	-	I	◆			◆						
S1D-I19.05-U2	19,05	-	I	◆			◆						
S1D-I19.5-U2	19,50	-	I	◆			◆						
S1D-I20-U2	20,00	-	I	◆			◆						
S1D-I20.5-U2	20,50	-	I	◆			◆						
S1D-I21-U2	21,00	-	I	◆			◆						
S1D-I22-U2	22,00	-	I+K	◆			◆						
S1D-I23-U2	23,00	-	I+K	◆			◆						
S1D-I23.5-U2	23,50	-	I+K				◆						
S1D-I24-U2	24,00	-	I+K	◆			◆						

Inserts

S1D-I...

Inserts - Style I + K - flat drill bit



Ground execution

Designation	D [mm]	Size	SC
			HSS5/ TiAIN
S1D-I17.8-FB	17,8	I	◆
S1D-I18-FB	18,0	I	◆
S1D-I18.5-FB	18,5	I	◆
S1D-I18.8-FB	18,8	I	◆
S1D-I19-FB	19,0	I	◆
S1D-I19.5-FB	19,5	I	◆
S1D-I19.8-FB	19,8	I	◆
S1D-I20-FB	20,0	I	◆
S1D-I20.5-FB	20,5	I	◆
S1D-I20.7-FB	20,7	I	◆
S1D-I21-FB	21,0	I	◆
S1D-I21.5-FB	21,5	I	◆
S1D-I22-FB	22,0	I+K	◆
S1D-I22.5-FB	22,5	I+K	◆
S1D-I22.7-FB	22,7	I+K	◆
S1D-I23-FB	23,0	I+K	◆
S1D-I23.5-FB	23,5	I+K	◆
S1D-I23.7-FB	23,7	I+K	◆
S1D-I24-FB	24,0	I+K	◆

SC = HSS coated

Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

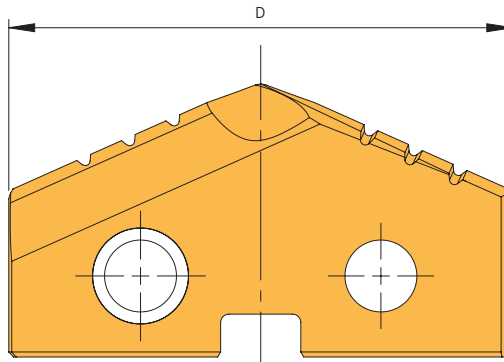
P	●
M	●
K	
N	
S	○
H	

● Main application
○ Secondary application

Inserts

S1D-M...

Inserts - Style M + O



Ground execution

Designation	D [mm]	D [inch]	Size	HC	SC						HC		HU
				A82/ TiAlN	HSS/ TiAlN	HSS/TiN	HSS5/ TiAlN	HSS8/ TiAlN	HSS8/ TiCN	C22/ TiAlN	C42/ TiAlN	C42	
S1D-M24.5-U	24,50	-	M	◆			◆	◆	◆	◆	◆		
S1D-M24.61-U	24,61	31/32"	M			◆	◆			◆	◆		
S1D-M24.7-U	24,70	-	M			◆							
S1D-M24.85-U	24,85	-	M			◆							
S1D-M25-U	25,00	63/64"	M	◆	◆	◆	◆	◆	◆	◆	◆	◆	
S1D-M25.3-U	25,30	-	M			◆							
S1D-M25.4-U	25,40	1"	M				◆						
S1D-M25.5-U	25,50	-	M	◆			◆	◆	◆	◆	◆	◆	
S1D-M25.8-U	25,80	1 1/64"	M				◆						
S1D-M26-U	26,00	-	M	◆	◆	◆	◆	◆	◆	◆	◆	◆	
S1D-M26.5-U	26,50	-	M	◆			◆	◆	◆	◆	◆	◆	
S1D-M26.6-U	26,60	-	M			◆							
S1D-M25.7-U	25,70	-	M				◆						
S1D-M26.19-U	26,19	1 1/32"	M		◆	◆							
S1D-M26.7-U	26,70	-	M			◆							
S1D-M26.8-U	26,80	-	M								◆		
S1D-M26.99-U	26,99	-	M				◆						
S1D-M27-U	27,00	1 1/16"	M	◆	◆	◆	◆	◆	◆	◆	◆	◆	
S1D-M27.4-U	27,40	-	M		◆								
S1D-M27.5-U	27,50	-	M	◆		◆	◆	◆		◆	◆	◆	
S1D-M27.7-U	27,70	-	M			◆							
S1D-M27.78-U	27,78	1 3/32"	M		◆	◆							
S1D-M27.8-U	27,80	-	M			◆							
S1D-M28-U	28,00	-	M	◆	◆	◆	◆	◆	◆	◆	◆	◆	
S1D-M28.3-U	28,30	-	M			◆							
S1D-M28.4-U	28,40	1 1/8"	M			◆							
S1D-M28.5-U	28,50	-	M	◆			◆	◆	◆	◆	◆	◆	
S1D-M28.58-U	28,58	1 1/8"	M				◆						
S1D-M29-U	29,00	-	M	◆	◆	◆	◆	◆	◆	◆	◆	◆	
S1D-M29.37-U	29,37	1 5/32"	M			◆							
S1D-M29.5-U	29,50	-	M	◆		◆	◆	◆	◆	◆	◆	◆	

Inserts

Ground execution

Designation	D [mm]	D [inch]	Size	HC	SC						HC		HU
				A82/ TiAlN	HSS/ TiAlN	HSS/TiN	HSS5/ TiAlN	HSS8/ TiAlN	HSS8/ TiAlN	TiCN	C22/ TiAlN	C42/ TiAlN	C42
S1D-M29.9-U	29,90	-	M			◆							
S1D-M30-U	30,00	1 3/16"	M+O	◆	◆		◆	◆	◆		◆	◆	◆
S1D-M30.16-U	30,16	-	M+O				◆						
S1D-M30.5-U	30,50	-	M+O	◆	◆		◆	◆	◆		◆	◆	◆
S1D-M30.7-U	30,70	-	M+O				◆						
S1D-M30.96-U	30,96	1 7/32"	M+O				◆						
S1D-M31-U	31,00	-	M+O	◆	◆	◆	◆	◆	◆		◆	◆	◆
S1D-M31.5-U	31,50	-	M+O	◆			◆	◆	◆		◆	◆	◆
S1D-M31.7-U	31,70	-	M+O			◆							
S1D-M31.75-U	31,75	1 1/4"	M+O		◆	◆	◆						
S1D-M32-U	32,00	-	M+O	◆	◆	◆	◆	◆	◆		◆	◆	◆
S1D-M32.25-U	32,25	-	M+O			◆							
S1D-M32.5-U	32,50	-	M+O	◆	◆		◆	◆	◆		◆		◆
S1D-M32.54-U	32,54	1 9/32"	M+O			◆							
S1D-M33-U	33,00	-	M+O	◆	◆		◆	◆	◆		◆	◆	◆
S1D-M33.34-U	33,34	1 5/16"	M+O				◆						
S1D-M33.5-U	33,50	-	M+O	◆			◆	◆	◆		◆		◆
S1D-M33.7-U	33,70	-	M+O										◆
S1D-M34-U	34,00	-	M+O	◆	◆	◆	◆	◆	◆		◆	◆	◆
S1D-M34.13-U	34,13	1 11/32"	M+O		◆	◆	◆						
S1D-M34.5-U	34,50	-	M+O	◆		◆	◆	◆	◆		◆		◆
S1D-M34.7-U	34,70	-	M+O				◆						
S1D-M34.93-U	34,93	1 3/8"	M+O				◆						
S1D-M35-U	35,00	-	M+O	◆	◆	◆	◆	◆	◆		◆	◆	◆
S1D-M25-U2	25,00	-	M	◆			◆						
S1D-M25.4-U2	25,40	-	M	◆			◆						
S1D-M26-U2	26,00	-	M	◆			◆						
S1D-M27-U2	27,00	-	M	◆			◆						
S1D-M28-U2	28,00	-	M	◆			◆						
S1D-M29-U2	29,00	-	M	◆			◆						
S1D-M30-U2	31,00	-	M+O	◆			◆						
S1D-M31-U2	30,00	-	M+O	◆			◆						
S1D-M32-U2	32,00	-	M+O	◆			◆						
S1D-M33-U2	33,00	-	M+O	◆			◆						
S1D-M34-U2	34,00	-	M+O	◆			◆						
S1D-M35-U2	35,00	-	M+O	◆			◆						
S1D-M24.5-U1	24,50	-	M				◆					◆	
S1D-M25-U1	25,00	63/64	M				◆					◆	
S1D-M25.5-U1	25,50	-	M				◆					◆	
S1D-M26-U1	26,00	-	M				◆					◆	
S1D-M26.5-U1	26,50	-	M				◆					◆	
S1D-M27-U1	27,00	1 1/16	M				◆					◆	
S1D-M27.5-U1	27,50	-	M				◆					◆	
S1D-M28-U1	28,00	-	M				◆					◆	
S1D-M28.5-U1	28,50	-	M				◆					◆	
S1D-M29-U1	29,00	-	M				◆					◆	
S1D-M29.5-U1	29,50	-	M				◆					◆	
S1D-M30-U1	30,00	-	M+O				◆					◆	
S1D-M30.5-U1	30,50	-	M+O				◆					◆	
S1D-M31-U1	31,00	-	M+O				◆					◆	
S1D-M31.5-U1	31,50	-	M+O				◆					◆	
S1D-M32-U1	32,00	-	M+O				◆						

Inserts

Ground execution

Designation	D [mm]	D [inch]	Size	HC	SC						HC		HU
				A82/ TiAlN	HSS/ TiAlN	HSS/TiN	HSS5/ TiAlN	HSS8/ TiAlN	HSS8/ TiAlN	HSS8/ TiCN	C22/ TiAlN	C42/ TiAlN	C42
S1D-M32.5-U1	32,50	-	M+O				◆						
S1D-M33-U1	33,00	-	M+O				◆					◆	
S1D-M33.5-U1	33,50	-	M+O				◆					◆	
S1D-M34-U1	34,00	-	M+O				◆					◆	
S1D-M34.5-U1	34,50	-	M+O				◆					◆	
S1D-M35-U1	35,00	-	M+O				◆					◆	

HC = Carbide coated
 SC = HSS coated
 HU = Carbide uncoated
 Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

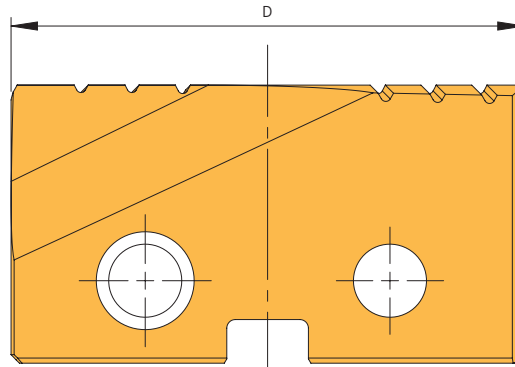
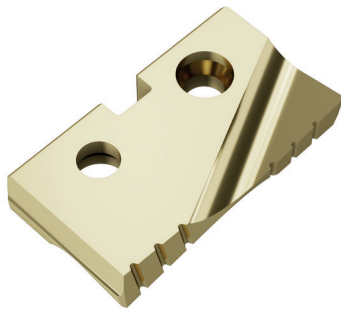
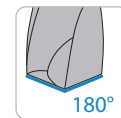
P	●	●	●	●	●	●		○	
M	○	○	○	●	●	○			
K						○		●	●
N							●		●
S			○	●				○	
H									

● Main application
 ○ Secondary application

Inserts

S1D-M...

Inserts - Style M + O - flat drill bit



Ground execution

Designation	D [mm]	D [inch]	Size	SC
				HSS5/ TAIN
S1D-M24.5-FB	24,50	-	M	◆
S1D-M25-FB	25,00	63/64"	M	◆
S1D-M25.5-FB	25,50	-	M	◆
S1D-M26-FB	26,00	-	M	◆
S1D-M26.5-FB	26,50	-	M	◆
S1D-M27-FB	27,00	1 1/16"	M	◆
S1D-M27.5-FB	27,50	-	M	◆
S1D-M28-FB	28,00	-	M	◆
S1D-M28.5-FB	28,50	-	M	◆
S1D-M29-FB	29,00	-	M	◆
S1D-M29.5-FB	29,50	-	M	◆
S1D-M30-FB	30,00	-	M+O	◆
S1D-M30.5-FB	30,50	-	M+O	◆
S1D-M31-FB	31,00	-	M+O	◆
S1D-M31.5-FB	31,50	-	M+O	◆
S1D-M31.75-FB	31,75	1 1/4"	M+O	◆
S1D-M32-FB	32,00	-	M+O	◆
S1D-M32.5-FB	32,50	-	M+O	◆
S1D-M33-FB	33,00	-	M+O	◆
S1D-M33.5-FB	33,50	-	M+O	◆
S1D-M34-FB	34,00	-	M+O	◆
S1D-M34.5-FB	34,50	-	M+O	◆
S1D-M35-FB	35,00	-	M+O	◆

SC = HSS coated

Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

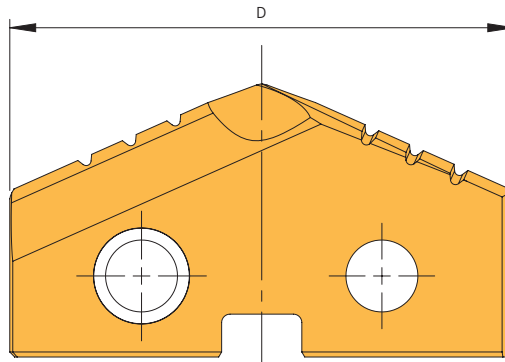
P	●
M	●
K	
N	
S	○
H	

● Main application
○ Secondary application

Inserts

S1D-Q...

Inserts - Style Q



Ground execution

Designation	D [mm]	D [inch]	Size	HC	SC			HC
				A82/ TiAlN	HSS/ TiAlN	HSS/TiN	HSS5/ TiAlN	C42/ TiAlN
S1D-Q35-U	35,00	-	Q				◆	
S1D-Q35.7-U	35,70	-	Q		◆			
S1D-Q35.72-U	35,72	1 13/32"	Q				◆	
S1D-Q36-U	36,00	-	Q	◆	◆	◆	◆	◆
S1D-Q36.5-U	36,50	-	Q	◆				
S1D-Q36.51-U	36,51	1 7/16"	Q			◆		
S1D-Q37-U	37,00	-	Q	◆	◆		◆	◆
S1D-Q37.5-U	37,50	-	Q				◆	
S1D-Q38-U	38,00	-	Q	◆	◆		◆	◆
S1D-Q38.1-U	38,10	1 1/5"	Q				◆	◆
S1D-Q38.5-U	38,50	-	Q				◆	
S1D-Q38.89-U	38,89	1 17/32"	Q				◆	
S1D-Q39-U	39,00	-	Q	◆	◆	◆	◆	◆
S1D-Q39.5-U	39,50	-	Q				◆	
S1D-Q39.69-U	39,69	1 9/16"	Q		◆	◆		
S1D-Q40-U	40,00	-	Q	◆	◆		◆	◆
S1D-Q41-U	41,00	-	Q	◆	◆		◆	◆
S1D-Q41.5-U	41,50	-	Q				◆	
S1D-Q41.28-U	41,28	1 5/8"	Q				◆	
S1D-Q42-U	42,00	-	Q	◆	◆	◆	◆	◆
S1D-Q42.7-U	42,70	-	Q			◆		
S1D-Q42.3-U	42,30	-	Q				◆	
S1D-Q42.5-U	42,50	-	Q		◆	◆		
S1D-Q43-U	43,00	-	Q	◆		◆	◆	◆
S1D-Q42.86-U	42,86	1 11/16"	Q			◆		
S1D-Q44-U	44,00	-	Q	◆	◆		◆	◆
S1D-Q45-U	45,00	-	Q	◆	◆		◆	◆
S1D-Q43.33-U	43,33	-	Q				◆	
S1D-Q44.45-U	44,45	1 3/4"	Q				◆	
S1D-Q45.24-U	45,24	1 25/32"	Q				◆	
S1D-Q46-U	46,00	-	Q	◆	◆		◆	◆
S1D-Q46.83-U	46,83	1 27/32"	Q		◆	◆		
S1D-Q47-U	47,00	-	Q	◆	◆		◆	◆

Inserts

Ground execution

Designation	D [mm]	D [inch]	Size	HC	SC				HC
				A82/ TiAlN	HSS/ TiAlN	HSS/TiN	HSS5/ TiAlN	C42/ TiAlN	
S1D-Q47.62-U	47,62	-	Q				◆		
S1D-Q36-U2	36,00	-	Q	◆			◆		
S1D-Q37-U2	37,00	-	Q	◆			◆		
S1D-Q38-U2	38,00	-	Q	◆			◆		
S1D-Q39-U2	39,00	-	Q	◆			◆		
S1D-Q40-U2	40,00	-	Q	◆			◆		
S1D-Q41-U2	41,00	-	Q	◆			◆		
S1D-Q42-U2	42,00	-	Q	◆			◆		
S1D-Q43-U2	43,00	-	Q	◆			◆		
S1D-Q44-U2	44,00	-	Q	◆			◆		
S1D-Q45-U2	45,00	-	Q	◆			◆		
S1D-Q38-U1	38,00	-	Q				◆		
S1D-Q39-U1	39,00	-	Q				◆		
S1D-Q40-U1	40,00	-	Q				◆		
S1D-Q41-U1	41,00	-	Q				◆		
S1D-Q42-U1	42,00	-	Q				◆		
S1D-Q43-U1	43,00	-	Q				◆		
S1D-Q44-U1	44,00	-	Q				◆		
S1D-Q45-U1	45,00	-	Q				◆		

HC = Carbide coated

SC = HSS coated

Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

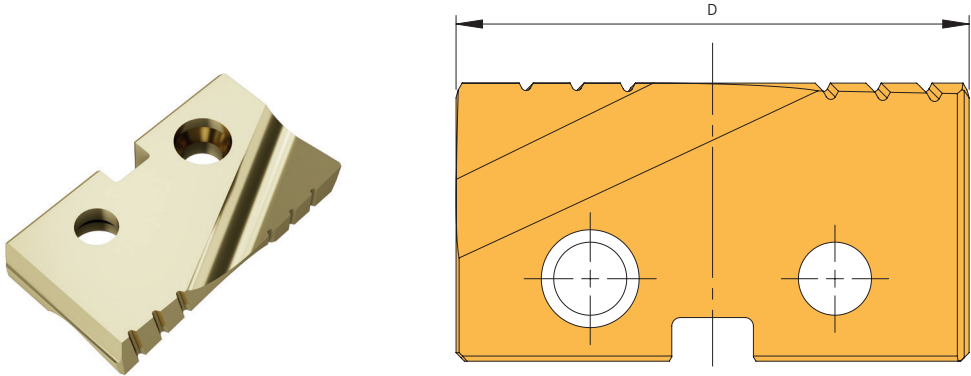
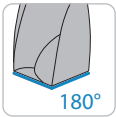
P	●	●	●	●	○
M	○	○	○	●	
K					●
N					●
S				○	○
H					

● Main application
○ Secondary application

Inserts

S1D-Q...

Inserts - Style Q - flat drill bit



Ground execution

Designation	D [mm]	Size	SC
			HSS5/ TiAIN
S1D-Q36-FB	36	Q	◆
S1D-Q37-FB	37	Q	◆
S1D-Q38-FB	38	Q	◆
S1D-Q39-FB	39	Q	◆
S1D-Q40-FB	40	Q	◆
S1D-Q41-FB	41	Q	◆
S1D-Q42-FB	42	Q	◆
S1D-Q43-FB	43	Q	◆
S1D-Q44-FB	44	Q	◆
S1D-Q45-FB	45	Q	◆
S1D-Q46-FB	46	Q	◆
S1D-Q47-FB	47	Q	◆

SC = HSS coated

Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

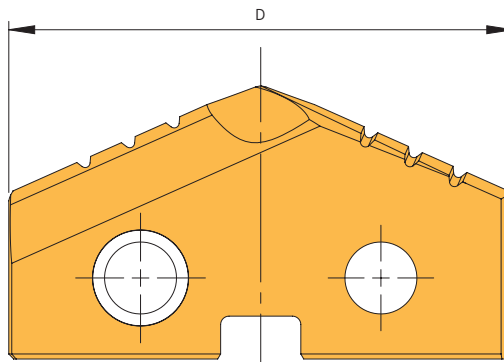
P	●
M	●
K	
N	
S	○
H	

● Main application
○ Secondary application

Inserts

S1D-S...

Inserts - Style S



Ground execution

Designation	D [mm]	D [inch]	Size	SC			
				HSS/ TiAIN	HSS/TiN	HSS5/ TiAIN	
S1D-S48-U	48,00	-	S	◆		◆	
S1D-S49-U	49,00	-	S	◆	◆	◆	
S1D-S49.21-U	49,21	1 15/16"	S	◆	◆		
S1D-S50-U	50,00	-	S	◆		◆	
S1D-S50.8-U	50,80	2"	S			◆	
S1D-S51-U	51,00	-	S	◆		◆	
S1D-S52-U	52,00	2 3/64"	S	◆		◆	
S1D-S52.5-U	52,50	-	S			◆	
S1D-S53-U	53,00	-	S	◆		◆	
S1D-S53.98-U	53,98	2 1/8"	S			◆	
S1D-S54-U	54,00	-	S	◆		◆	
S1D-S55-U	55,00	-	S			◆	
S1D-S56-U	56,00	-	S	◆	◆	◆	
S1D-S57-U	57,00	-	S	◆		◆	
S1D-S57.15-U	57,15	2 1/4"	S			◆	
S1D-S58-U	58,00	-	S	◆		◆	
S1D-S59-U	59,00	-	S			◆	
S1D-S60-U	60,00	-	S		◆	◆	
S1D-S61-U	61,00	-	S			◆	
S1D-S61.11-U	61,11	2 13/32"	S			◆	
S1D-S61.91-U	61,91	2 7/16"	S			◆	
S1D-S62-U	62,00	-	S		◆	◆	
S1D-S63-U	63,00	-	S	◆		◆	
S1D-S63.5-U	63,50	2 1/2"	S			◆	
S1D-S64-U	64,00	-	S		◆	◆	
S1D-S65-U	65,00	-	S	◆		◆	
S1D-S65.09-U	65,09	2 9/16"	S			◆	
S1D-S49-U1	49,00	-	S			◆	
S1D-S60-U1	60,00	-	S	◆			

SC = HSS coated

Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

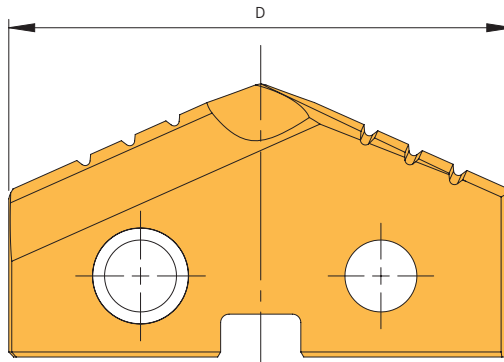
P	●	●	●
M	○	○	●
K			
N			
S		○	
H			

● Main application
○ Secondary application

Inserts

S1D-U...

Inserts - Style S



Ground execution

Designation	D [mm]	D [inch]	Size	SC	
				HSS/ TiAlN	HSS/ TiAlN
S1D-U63.5-U	63,50	2 1/2"	U		◆
S1D-U65-U	65,00	2 9/16"	U		◆
S1D-U66-U	66,00	-	U		◆
S1D-U66.68-U	66,68	2 5/8"	U		◆
S1D-U67-U	67,00	-	U	◆	◆
S1D-U67.47-U	67,47	2 21/32"	U		◆
S1D-U68-U	68,00	-	U	◆	◆
S1D-U68.26-U	68,26	2 11/16"	U		◆
S1D-U69-U	69,00	-	U		◆
S1D-U69.85-U	69,85	2 3/4"	U		◆
S1D-U70-U	70,00	-	U	◆	◆
S1D-U71-U	71,00	-	U		◆
S1D-U71.44-U	71,44	-	U		◆
S1D-U72-U	72,00	-	U	◆	◆
S1D-U73-U	73,00	-	U	◆	◆
S1D-U74-U	74,00	-	U	◆	◆
S1D-U75-U	75,00	-	U		◆
S1D-U76-U	76,00	-	U	◆	◆
S1D-U76.2-U	76,20	3"	U		◆
S1D-U77-U	77,00	-	U		◆
S1D-U77.78-U	77,78	-	U		◆
S1D-U78-U	78,00	-	U	◆	◆
S1D-U79-U	79,00	-	U		◆
S1D-U80-U	80,00	-	U	◆	◆
S1D-U81-U	81,00	-	U		◆
S1D-U82-U	82,00	-	U		◆
S1D-U82.55-U	82,55	-	U		◆
S1D-U83-U	83,00	-	U		◆
S1D-U84-U	84,00	-	U		◆
S1D-U84.93-U	84,93	3 11/32"	U		◆
S1D-U85-U	85,00	-	U		◆
S1D-U86-U	86,00	-	U		◆

Inserts

Ground execution

Designation	D [mm]	D [inch]	Size	SC	
				HSS/ TiAlN	HSS/5/ TiAlN
S1D-U87-U	87,00	-	U		◆
S1D-U88-U	88,00	-	U		◆
S1D-U88.9-U	88,90	3 1/2"	U		◆
S1D-U89-U	89,00	-	U		◆

SC = HSS coated
Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

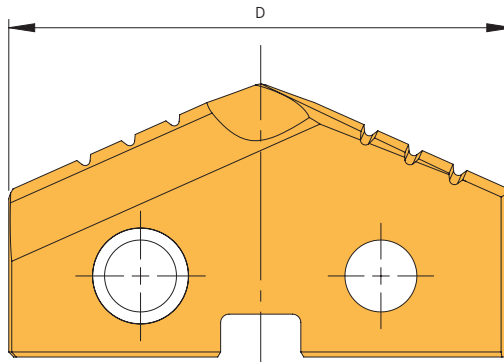
P	●	●	●
M	○	○	●
K			
N			
S		○	
H			

● Main application
○ Secondary application

Inserts

S1D-W...

Inserts - Style W



Designation	D [mm]	D [inch]	Size	SC			
				HSS/ TiAlN	HSS/TiN	HSS5/ TiAlN	
S1D-W90-U	90,00	-	W	◆		◆	
S1D-W91-U	91,00	-	W	◆	◆	◆	
S1D-W92-U	92,00	-	W	◆		◆	
S1D-W93-U	93,00	-	W	◆		◆	
S1D-W94-U	94,00	-	W	◆		◆	
S1D-W95-U	95,00	-	W			◆	
S1D-W95.25-U	95,25	-	W			◆	
S1D-W96-U	96,00	-	W			◆	
S1D-W97-U	97,00	-	W	◆		◆	
S1D-W98-U	98,00	-	W	◆		◆	
S1D-W98.43-U	98,43	3 7/8"	W			◆	
S1D-W99-U	99,00	-	W			◆	
S1D-W100-U	100,00	3 15/16"	W	◆		◆	
S1D-W101-U	101,00	-	W	◆		◆	
S1D-W101.6-U	101,60	4"	W			◆	
S1D-W102-U	102,00	4 1/64"	W	◆		◆	
S1D-W103-U	103,00	-	W			◆	
S1D-W104-U	104,00	4 3/32"	W	◆		◆	
S1D-W104.75-U	104,75	4 1/8"	W			◆	
S1D-W105-U	105,00	-	W	◆		◆	
S1D-W106-U	106,00	-	W	◆		◆	
S1D-W107-U	107,00	-	W	◆		◆	
S1D-W108-U	108,00	-	W	◆		◆	
S1D-W109-U	109,00	-	W	◆		◆	
S1D-W110-U	110,00	-	W	◆		◆	
S1D-W111-U	111,00	-	W	◆		◆	
S1D-W111.13-U	111,13	-	W		◆		
S1D-W112-U	112,00	-	W	◆		◆	

Inserts

Designation	D [mm]	D [inch]	Size	SC			
				HSS/ TiAlN	HSS/TiN	HSS5/ TiAlN	
S1D-W112.71-U	112,71	4 7/16"	W			◆	
S1D-W113-U	113,00	4 3/32"	W	◆		◆	
S1D-W114-U	114,00	-	W	◆		◆	

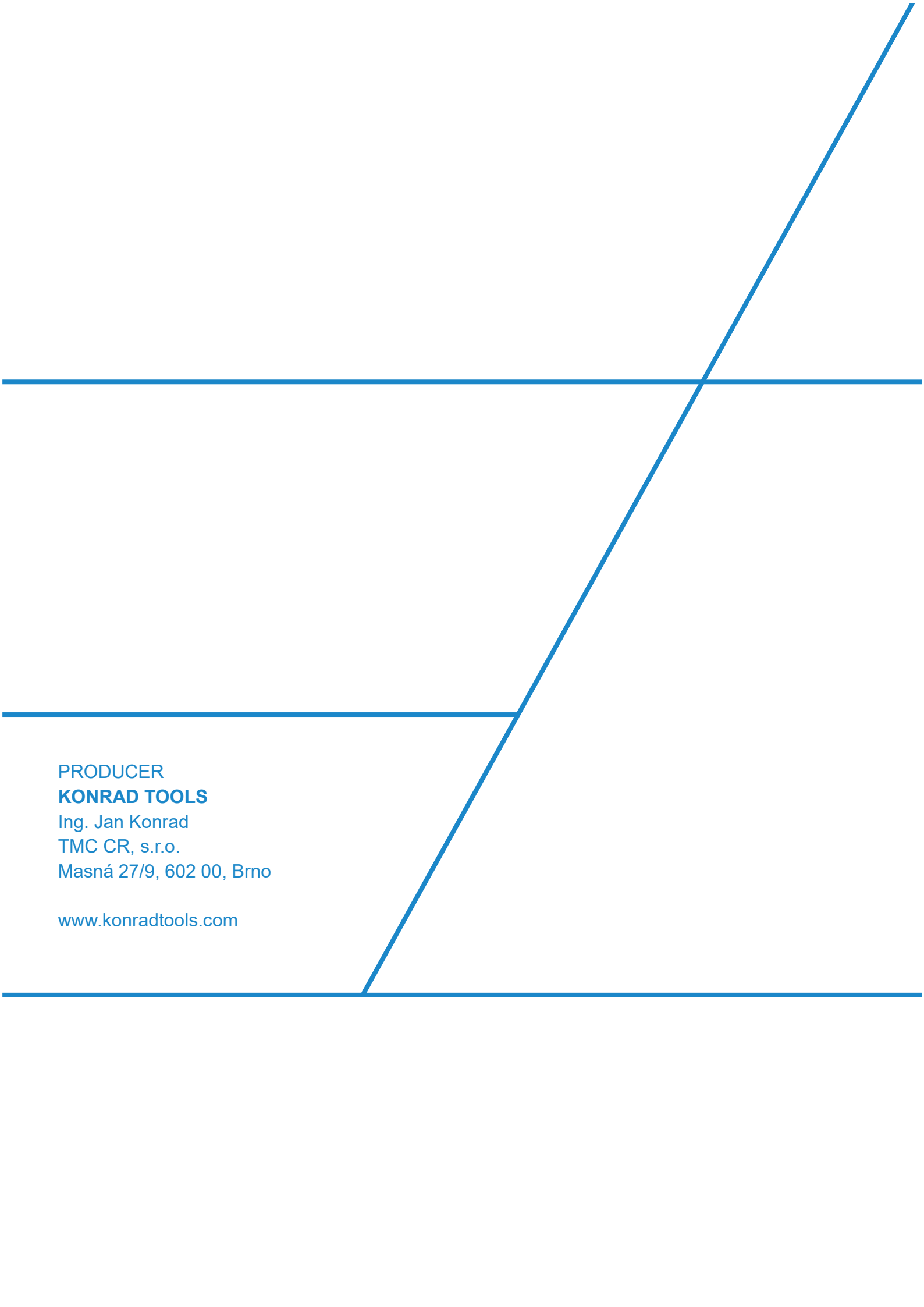
SC = HSS coated

Packed in twos = minimum quantity

Note: We will grind and coat intermediate dimensions not listed here for a minimum of 5 pieces at no extra charge.

P	●	●	●
M	○	○	●
K			
N			
S			○
H			

● Main application
○ Secondary application



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