



Інжинірингові рішення для промислового
виробництва та металообробки

КАТАЛОГ СВЕРДИЛЬНИЙ ІНСТРУМЕНТ



ВИСОКА ТОЧНІСТЬ
та стабільність



НАДІЙНІСТЬ
у кожній деталі



РІШЕННЯ ПІД ВАШІ
виробничі завдання



СЕРІЯ ІНСТРУМЕНТІВ — ДЛЯ СВЕРДЛІННЯ —

Твердосплавні свердлильні головки преміум-класу. Підходять як для кольорових, так і для чорних металів, поділяються на універсальну та жаростійку серії.

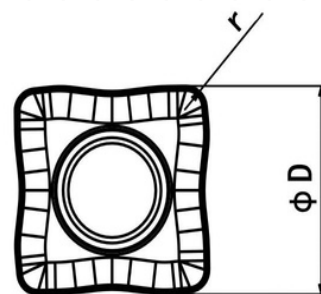
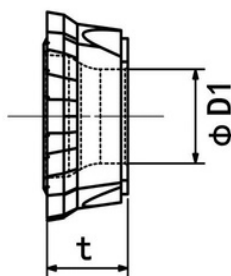
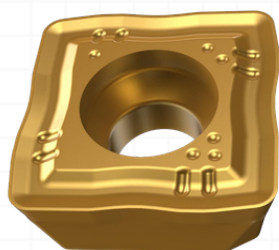
— Особливості серії U Drill —

- Подвійна внутрішня система охолодження, жаростійка серія свердлильних головок;
- Точність обробки до HRC 52;
- Матеріал інструменту: легована сталь, полірована поверхня, антивібраційні властивості;
- Ефективність відведення стружки підвищена на 30%, більш плавний потік.



XOMX

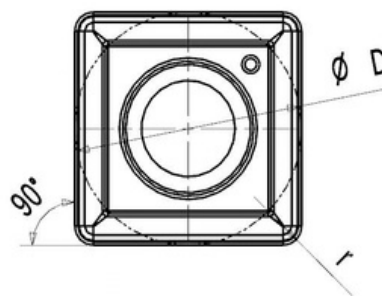
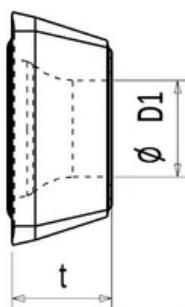
XOMX Insert



Model	Dimension (mm)				Grade					Screw
	D	t	r	D1	CT5320	CT5420	CT5520	CT8320	CT8520	
XOMX 050204	4.9	2.38	0.4	2.25	●	○			●	CSG2049-P
XOMX 060204	5.7	2.38	0.4	2.60	●			●	●	CSG2252-P
XOMX 070306	6.8	2.80	0.6	2.60	●				●	CSG2252-P
XOMX 08T306	7.9	3.97	0.6	2.85	●	○		●		CSG2565-P
XOMX 09T308	9.2	3.97	0.8	3.80	●	●				CSG3585-P
XOMX 11T308	11.0	3.97	0.8	3.80	●	●	●			CSG3585-P
XOMX 130408	12.8	4.40	0.8	4.40	●		○			CSG4011-P
XOMX 150510	15.0	4.80	1.0	5.40	●					CSG5012-P

SPMG

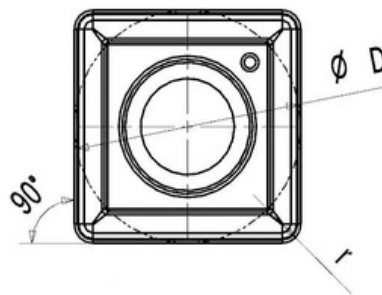
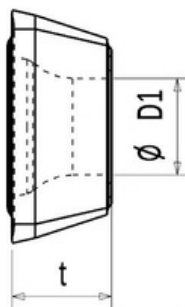
SPMG Insert



Model	Dimension (mm)				Screw	Grade
	D	t	r	D1		CT5420
SPMG 04T102-DG	3.97	1.85	0.2	1.97	CSG2049-P	●
SPMG 050204-DG	5.00	2.38	0.4	2.25	CSG2049-P	
SPMG 060204-DG	6.00	2.38	0.4	2.61	CSG2252-P	
SPMG 07T308-DG	7.94	3.97	0.8	2.85	CSG2565-P	
SPMG 090408-DG	9.80	4.30	0.8	4.05	CSG3585-P	
SPMG 110408-DG	11.5	4.80	0.8	4.45	CSG4011-P	
SPMG 140512-DG	14.3	5.20	1.2	5.75	CSG5012-P	

SPGG

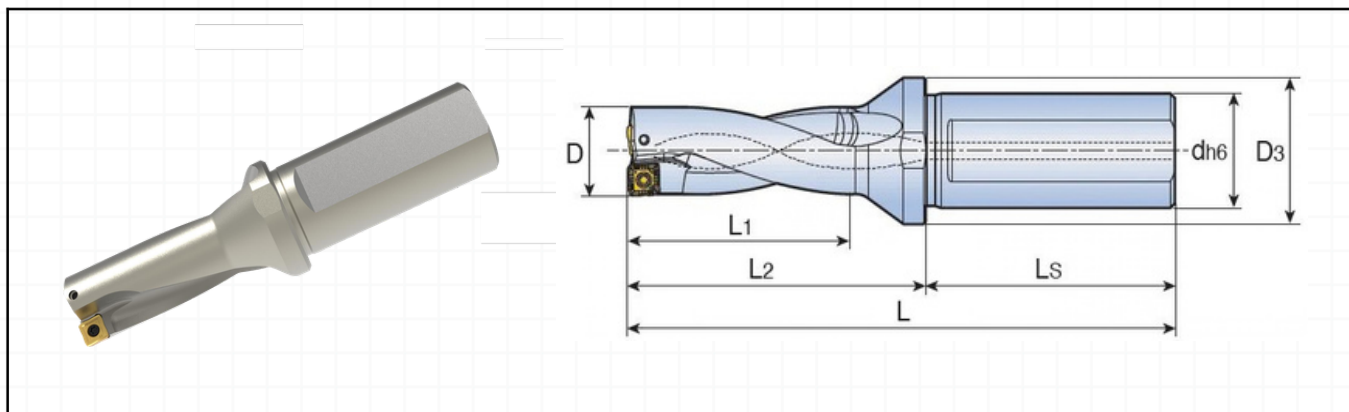
SPGG Aluminum Alloy insert



Model	Dimension (mm)				Screw	Grade CT101
	D	t	r	D1		
SPGG 050204-AL	5.00	2.38	0.4	2.25	CSG2049-P	●
SPGG 060204-AL	6.00	2.38	0.4	2.61	CSG2252-P	
SPGG 07T308-AL	7.94	3.97	0.8	2.85	CSG2565-P	
SPGG 090408-AL	9.80	4.30	0.8	4.05	CSG3585-P	
SPGG 110408-AL	11.5	4.80	0.8	4.45	CSG4011-P	
SPGG 140512-AL	14.3	5.20	1.2	5.75	CSG5012-P	

XOP 2... -T2

Indexable Drill

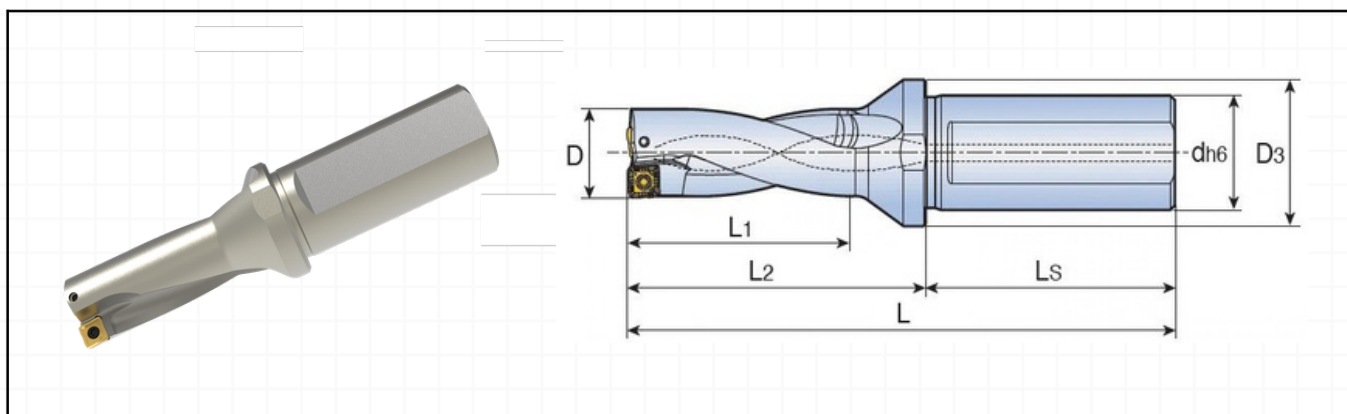


©Drilling depth: 2xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 2140-20T2-05	14.0	20	25	96	28	46	50	XOMX 05
XOP 2145-20T2-05	14.5	20	25	99	30	49	50	
XOP 2150-20T2-05	15.0	20	25	99	30	49	50	
XOP 2155-20T2-05	15.5	20	25	102	32	52	50	
XOP 2160-20T2-05	16.0	20	25	102	32	52	50	
XOP 2165-25T2-06	16.5	25	32	110	34	54	56	XOMX 06
XOP 2170-25T2-06	17.0	25	32	110	34	54	56	
XOP 2175-25T2-06	17.5	25	32	113	36	57	56	
XOP 2180-25T2-06	18.0	25	32	113	36	57	56	
XOP 2185-25T2-06	18.5	25	32	115	38	59	56	
XOP 2190-25T2-06	19.0	25	32	115	38	59	56	XOMX 07
XOP 2195-25T2-07	19.5	25	32	119	40	63	56	
XOP 2200-25T2-07	20.0	25	32	119	40	63	56	
XOP 2205-25T2-07	20.5	25	32	121	42	65	56	
XOP 2210-25T2-07	21.0	25	32	121	42	65	56	
XOP 2215-25T2-07	21.5	25	32	123	44	67	56	XOMX 08
XOP 2220-25T2-07	22.0	25	32	123	44	67	56	
XOP 2225-25T2-08	22.5	25	32	124	46	68	56	
XOP 2230-25T2-08	23.0	25	32	124	46	68	56	
XOP 2230-32T2-08	23.0	32	40	128	46	68	60	
XOP 2235-25T2-08	23.5	25	32	126	48	70	56	XOMX 08
XOP 2235-32T2-08	23.5	32	40	130	48	70	60	
XOP 2240-25T2-08	24.0	25	32	126	48	70	56	

XOP 2.. -T2

Indexable Drill



◎Drilling depth: 2xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 2240-32T2-08	24.0	32	40	130	48	70	60	XOMX 08
XOP 2245-25T2-08	24.5	25	32	128	50	72	56	
XOP 2245-32T2-08	24.5	32	40	132	50	72	60	
XOP 2250-25T2-08	25.0	25	32	128	50	72	56	
XOP 2250-32T2-08	25.0	32	40	132	50	72	60	
XOP 2255-25T2-08	25.5	25	32	129	52	73	56	
XOP 2255-32T2-08	25.5	32	40	133	52	73	60	
XOP 2260-25T2-08	26.0	25	32	129	52	73	56	
XOP 2260-32T2-08	26.0	32	40	133	52	73	60	
XOP 2265-32T2-09	26.5	32	40	137	54	77	60	XOMX 09
XOP 2270-25T2-09	27.0	25	40	133	54	77	56	
XOP 2270-32T2-09	27.0	32	40	137	54	77	60	
XOP 2275-32T2-09	27.5	32	40	139	56	79	60	
XOP 2280-25T2-09	28.0	25	40	135	56	79	56	
XOP 2280-32T2-09	28.0	32	40	139	56	79	60	
XOP 2285-32T2-09	28.5	32	40	141	58	81	60	
XOP 2290-25T2-09	29.0	25	40	137	58	81	56	
XOP 2290-32T2-09	29.0	32	40	141	58	81	60	
XOP 2295-32T2-09	29.5	32	40	143	60	83	60	
XOP 2300-32T2-09	30.0	32	40	143	60	83	60	
XOP 2305-32T2-09	30.5	32	40	145	62	85	60	
XOP 2310-32T2-09	31.0	32	40	145	62	85	60	

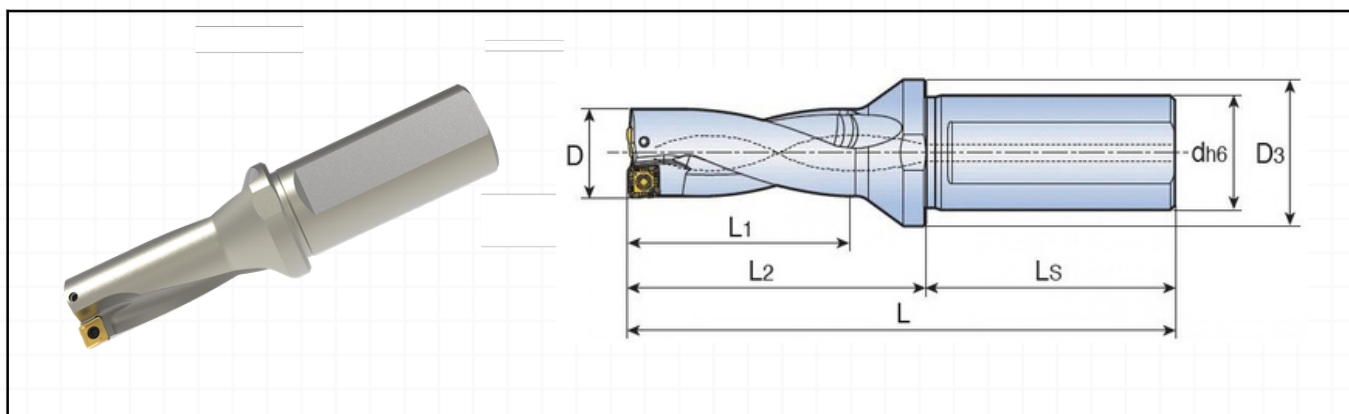
◎Standard product has the inner coolant holes; Insert needs to be purchased separately.

◎The standard product does not have a threaded interface at the holder end. If required, can be made by order.

◎Coolant blockage requires a separate order.

XOP 2... -T2

Indexable Drill

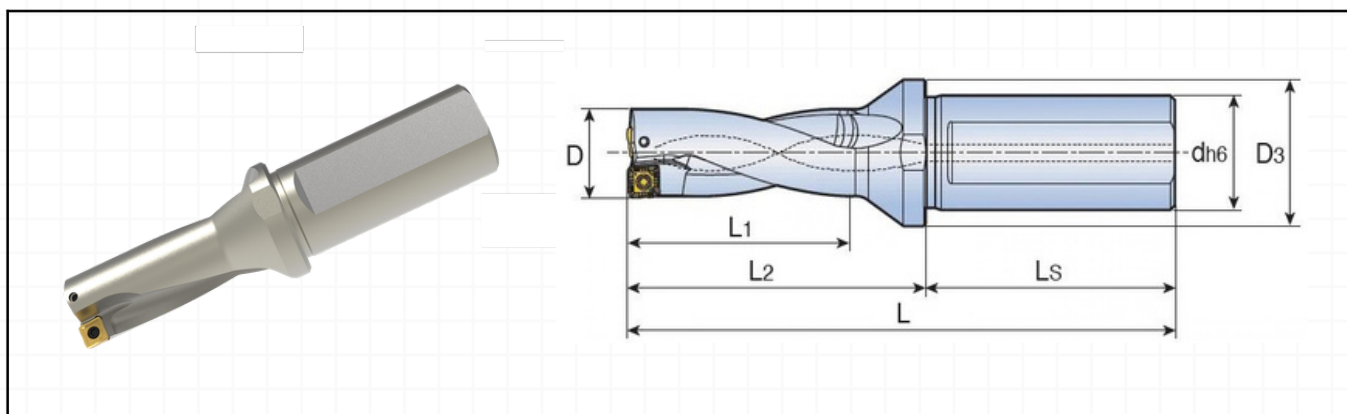


©Drilling depth: 2xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 2320-32T2-11	32.0	32	40	147	64	87	60	XOMX 11
XOP 2320-40T2-11	32.0	40	50	157	64	87	70	
XOP 2330-32T2-11	33.0	32	40	149	66	89	60	
XOP 2330-40T2-11	33.0	40	50	159	66	89	70	
XOP 2340-32T2-11	34.0	32	40	151	68	91	60	
XOP 2340-40T2-11	34.0	40	50	161	68	91	70	
XOP 2350-32T2-11	35.0	32	40	153	70	93	60	
XOP 2350-40T2-11	35.0	40	50	163	70	93	70	
XOP 2360-32T2-11	36.0	32	40	155	72	95	60	
XOP 2360-40T2-11	36.0	40	50	165	72	95	70	
XOP 2370-32T2-13	37.0	32	50	162	74	102	60	XOMX 13
XOP 2370-40T2-13	37.0	40	50	172	74	102	70	
XOP 2380-32T2-13	38.0	32	50	164	76	104	60	
XOP 2380-40T2-13	38.0	40	50	174	76	104	70	
XOP 2390-32T2-13	39.0	32	50	166	78	106	60	
XOP 2390-40T2-13	39.0	40	50	176	78	106	70	
XOP 2400-32T2-13	40.0	32	50	168	80	108	60	
XOP 2400-40T2-13	40.0	40	50	178	80	108	70	
XOP 2410-40T2-13	41.0	40	50	180	82	110	70	
XOP 2420-40T2-13	42.0	40	50	182	84	112	70	
XOP 2430-40T2-13	43.0	40	50	184	86	114	70	

XOP 2... -T2

Indexable Drill



◎Drilling depth: 2xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 2440-40T2-15	44.0	40	60	193	88	123	70	XOMX 15
XOP 2450-40T2-15	45.0	40	60	195	90	125	70	
XOP 2460-40T2-15	46.0	40	60	197	92	127	70	
XOP 2470-40T2-15	47.0	40	60	199	94	129	70	
XOP 2480-40T2-15	48.0	40	60	201	96	131	70	
XOP 2490-40T2-15	49.0	40	60	203	98	133	70	
XOP 2500-40T2-15	50.0	40	60	205	100	135	70	

◎Standard product has the inner coolant holes; Insert needs to be purchased separately.

◎The standard product does not have a threaded interface at the holder end. If required, can be made by order.

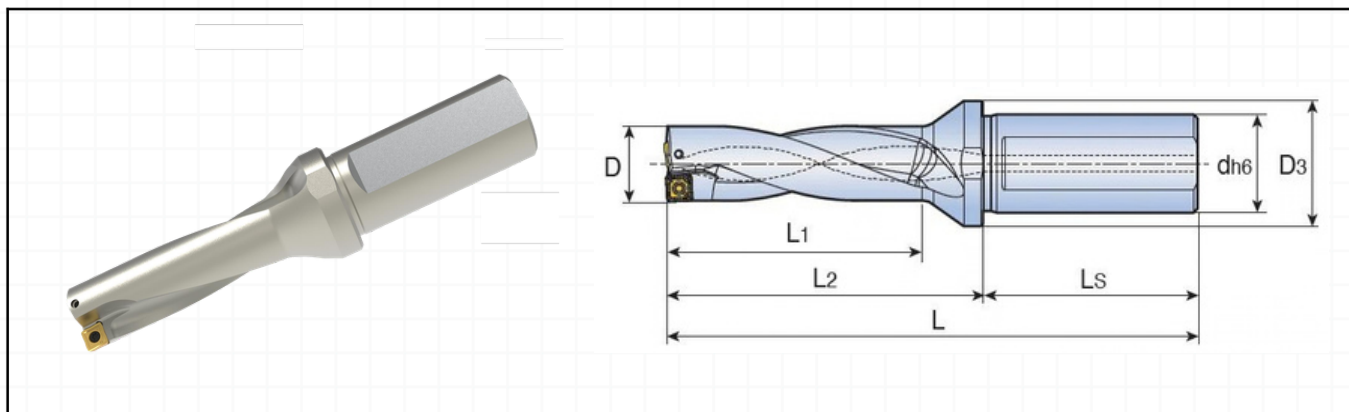
◎Coolant blockage requires a separate order.

Spare Parts

Model	Screw	Wrench	Coolant plug*	Note
				
XOP 2140-2160	CSG2049-P	CTS06W-P	CSL 20	◎*Coolinghole plug for Pull Pin should be ordered separately. ◎Order example: Plug for shank diameter25.0mm: SL25M
XOP 2165-2220	CSG2252-P	CTS07W-P	CSL 25	
XOP 2225-2260	CSG2565-P	CTS08W-P	CSL 25/CSL 32	
XOP 2265-2360	CSG3585-P	CTS10W-P	CSL 25/CSL 32	
XOP 2370-2430	CSG4011-P	CTS15W-P	CSL 32/CSL 40	
XOP 2440-2550	CSG5012-P	CTS20W-P	CSL 32/CSL 40	

XOP 3.. -T2

Indexable Drill

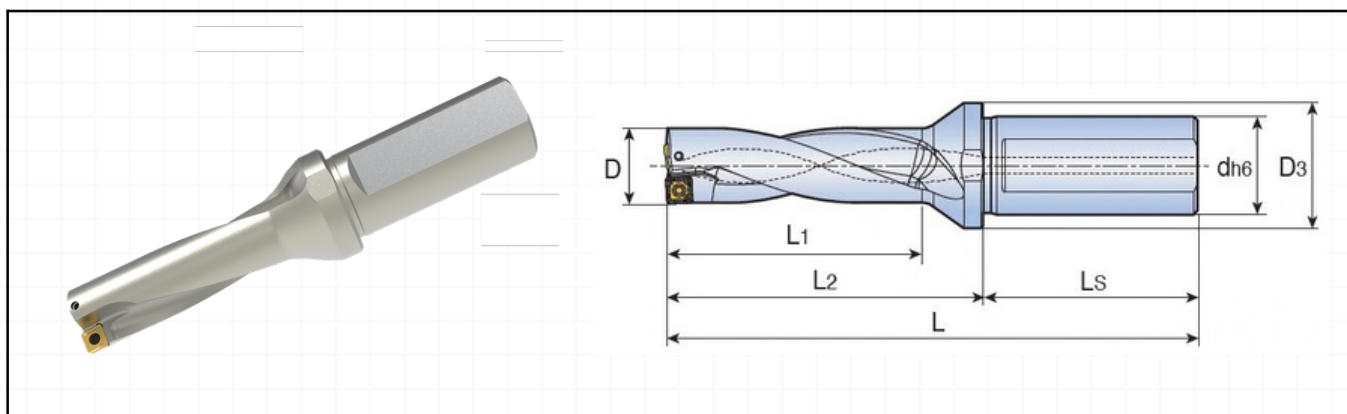


©Drilling depth: 3xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 3140-20T2-05	14.0	20	25	110	42	60	50	XOMX 05
XOP 3145-20T2-05	14.5	20	25	114	45	64	50	
XOP 3150-20T2-05	15.0	20	25	114	45	64	50	
XOP 3155-20T2-05	15.5	20	25	118	48	68	50	
XOP 3160-20T2-05	16.0	20	25	118	48	68	50	
XOP 3165-25T2-06	16.5	25	32	127	51	71	56	XOMX 06
XOP 3167-25T2-06 *	16.7	25	32	127	50.1	71	56	
XOP 3170-25T2-06	17.0	25	32	131	51	71	56	
XOP 3175-25T2-06	17.5	25	32	131	54	75	56	
XOP 3180-25T2-06	18.0	25	32	134	54	75	56	
XOP 3185-25T2-06	18.5	25	32	134	57	78	56	
XOP 3190-25T2-06	19.0	25	32	139	57	78	56	
XOP 3195-25T2-07	19.5	25	32	139	60	83	56	XOMX 07
XOP 3200-25T2-07	20.0	25	32	142	60	83	56	
XOP 3205-25T2-07	20.5	25	32	142	63	86	56	
XOP 3210-25T2-07	21.0	25	32	145	63	86	56	
XOP 3215-25T2-07	21.5	25	32	145	66	89	56	
XOP 3220-25T2-07	22.0	25	32	145	66	89	56	
XOP 3222-25T2-07 *	22.2	25	32	147	66.6	89	56	
XOP 3225-25T2-08	22.5	25	32	147	69	91	56	XOMX 08
XOP 3230-25T2-08	23.0	25	32	151	69	91	56	
XOP 3230-32T2-08	23.0	32	40	150	69	91	60	

XOP 3.. -T2

Indexable Drill



◎Drilling depth: 3xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 3235-25T2-08	23.5	25	32	150	72	94	56	XOMX 08
XOP 3235-32T2-08	23.5	32	40	150	72	94	60	
XOP 3240-25T2-08	24.0	25	32	150	72	94	56	
XOP 3240-32T2-08	24.0	32	40	154	72	94	60	
XOP 3245-25T2-08	24.5	25	32	153	75	97	56	
XOP 3245-32T2-08	24.5	32	40	157	75	97	60	
XOP 3250-25T2-08	25.0	25	32	153	75	97	56	
XOP 3250-32T2-08	25.0	32	40	157	75	97	60	
XOP 3254-25T2-08 *	25.4	25	32	153	76.2	97	56	
XOP 3255-25T2-08	25.5	25	32	155	78	99	56	
XOP 3255-32T2-08	25.5	32	40	159	78	99	60	
XOP 3260-25T2-08	26.0	25	32	155	78	99	56	
XOP 3260-32T2-08	26.0	32	32	159	78	99	60	
XOP 3265-25T2-09	26.5	25	40	160	81	104	56	XOMX 09
XOP 3265-32T2-09	26.5	32	40	164	81	104	60	
XOP 3270-25T2-09	27.0	25	40	160	81	104	56	
XOP 3270-32T2-09	27.0	32	40	164	81	104	60	
XOP 3275-25T2-09	27.5	25	40	163	84	107	56	
XOP 3275-32T2-09	27.5	32	40	167	84	107	60	
XOP 3280-25T2-09	28.0	25	40	163	84	107	56	
XOP 3280-32T2-09	28.0	32	40	167	84	107	60	
XOP 3285-25T2-09	28.5	25	40	166	87	110	56	

◎Standard product has the inner coolant holes; Insert needs to be purchased separately.

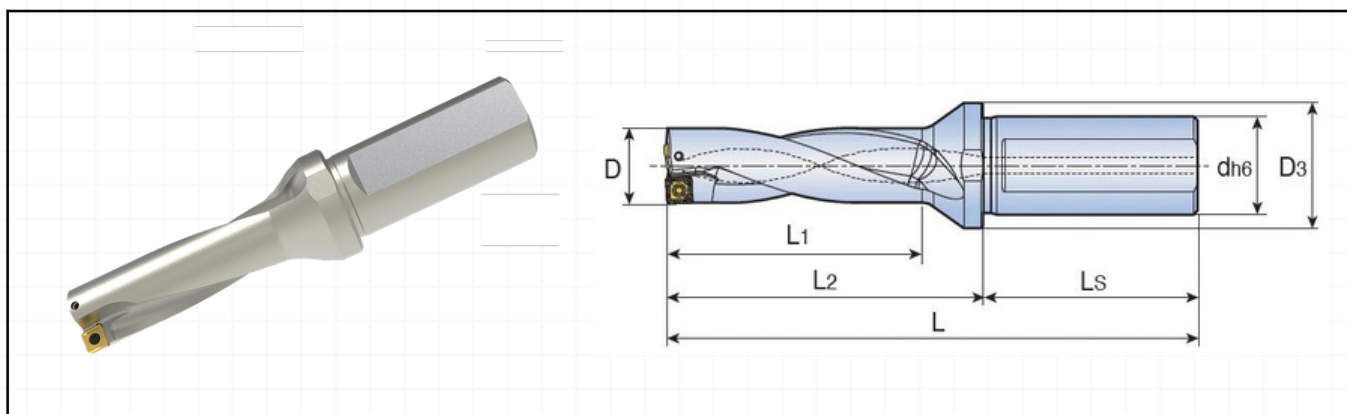
◎“*” indicates in imperial measurements.

◎The standard product does not have a threaded interface at the holder end. If required, can be made by order.

◎Coolant blockage requires a separate order.

XOP 3.. -T2

Indexable Drill

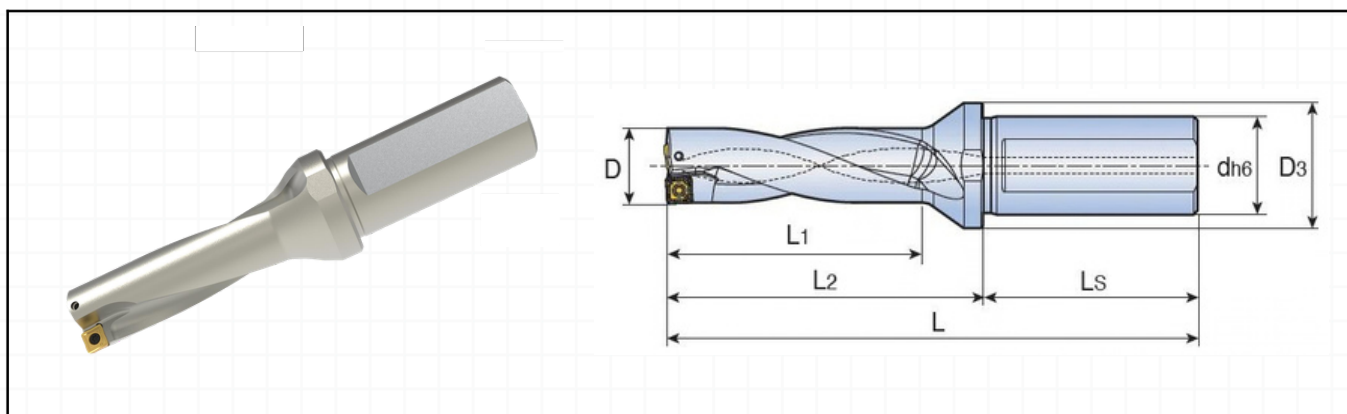


©Drilling depth: 3xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 3285-32T2-09	28.5	32	40	170	87	110	60	XOMX 09
XOP 3290-25T2-09	29.0	25	40	166	87	110	56	
XOP 3290-32T2-09	29.0	32	40	170	87	110	60	
XOP 3295-32T2-09	29.5	32	40	173	90	113	60	
XOP 3300-32T2-09	30.0	32	40	173	90	113	60	
XOP 3305-32T2-09	30.5	32	40	176	93	116	60	
XOP 3310-32T2-09	31.0	32	40	176	93	116	60	
XOP 3320-32T2-11	32.0	32	40	179	96	119	60	XOMX 11
XOP 3320-40T2-11	32.0	40	50	189	96	119	70	
XOP 3330-32T2-11	33.0	32	40	182	99	122	60	
XOP 3330-40T2-11	33.0	40	50	192	99	122	70	
XOP 3340-32T2-11	34.0	32	40	185	102	125	60	
XOP 3340-40T2-11	34.0	40	50	195	102	125	70	
XOP 3350-32T2-11	35.0	32	40	188	105	128	60	
XOP 3350-40T2-11	35.0	40	50	198	105	128	70	
XOP 3360-32T2-11	36.0	32	40	191	108	131	60	XOMX 13
XOP 3360-40T2-11	36.0	40	50	201	108	131	70	
XOP 3370-32T2-13	37.0	32	50	199	111	139	60	
XOP 3370-40T2-13	37.0	40	50	209	111	139	70	
XOP 3380-32T2-13	38.0	32	50	202	114	142	60	
XOP 3380-40T2-13	38.0	40	50	212	114	142	70	
XOP 3390-32T2-13	39.0	32	50	205	117	145	60	
XOP 3390-40T2-13	39.0	40	50	215	117	145	70	
XOP 3400-32T2-13	40.0	32	50	208	120	148	60	XOMX 13
XOP 3400-40T2-13	40.0	40	40	218	120	148	70	

XOP 3.. -T2

Indexable Drill



◎Drilling depth: 3xD(diameter)

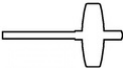
Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 3410-40T2-13	41.0	40	50	221	123	151	70	XOMX 13
XOP 3420-40T2-13	42.0	40	50	224	126	154	70	
XOP 3430-40T2-13	43.0	40	50	227	129	157	70	
XOP 3440-40T2-15	44.0	40	60	237	132	167	70	XOMX 15
XOP 3450-40T2-15	45.0	40	60	240	135	170	70	
XOP 3460-40T2-15	46.0	40	60	243	138	173	70	
XOP 3470-40T2-15	47.0	40	60	246	141	176	70	
XOP 3480-40T2-15	48.0	40	60	249	144	179	70	
XOP 3490-40T2-15	49.0	40	60	252	147	182	70	
XOP 3500-40T2-15	50.0	40	60	255	150	185	70	

◎Standard product has the inner coolant holes; Insert needs to be purchased separately.

◎The standard product does not have a threaded interface at the holder end. If required, can be made by order.

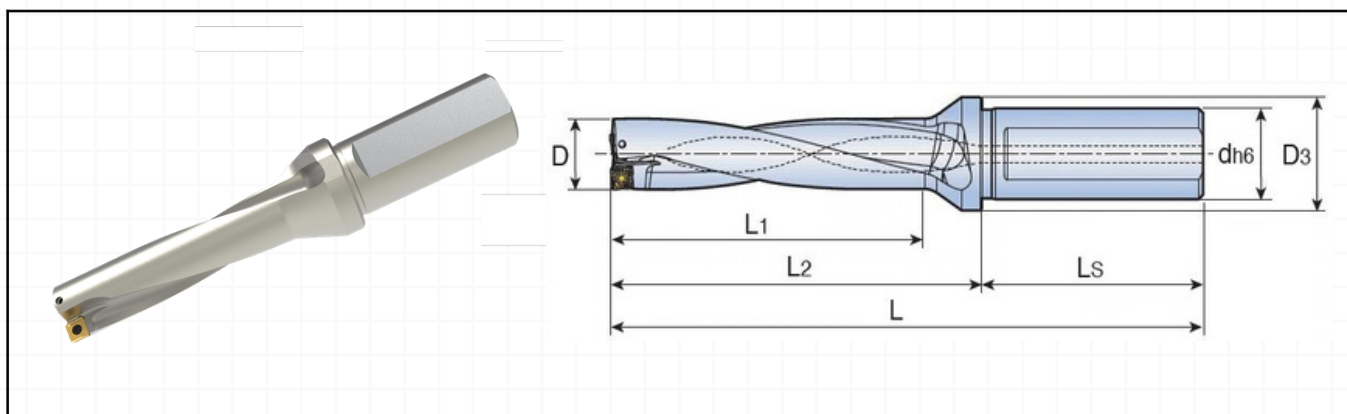
◎Coolant blockage requires a separate order.

Spare Parts

Model	Screw 	Wrench 	Coolant plug* 	Note
XOP 3140-4160	CSG2049-P	CTS06W-P	CSL 20	◎*Cooling hole plug for Pull Pin should be ordered separately. ◎Order example: Plug for shank diameter 32.0mm: SL32M
XOP 3165-4220	CSG2252-P	CTS07W-P	CSL 25	
XOP 3225-4260	CSG2565-P	CTS08W-P	CSL 25/CSL 32	
XOP 3265-4360	CSG3585-P	CTS10W-P	CSL 25/CSL 32	
XOP 3370-4430	CSG4011-P	CTS15W-P	CSL 32/CSL 40	
XOP 3440-4508	CSG5012-P	CTS20W-P	CSL 32/CSL 40	

XOP 4... -T2

Indexable Drill

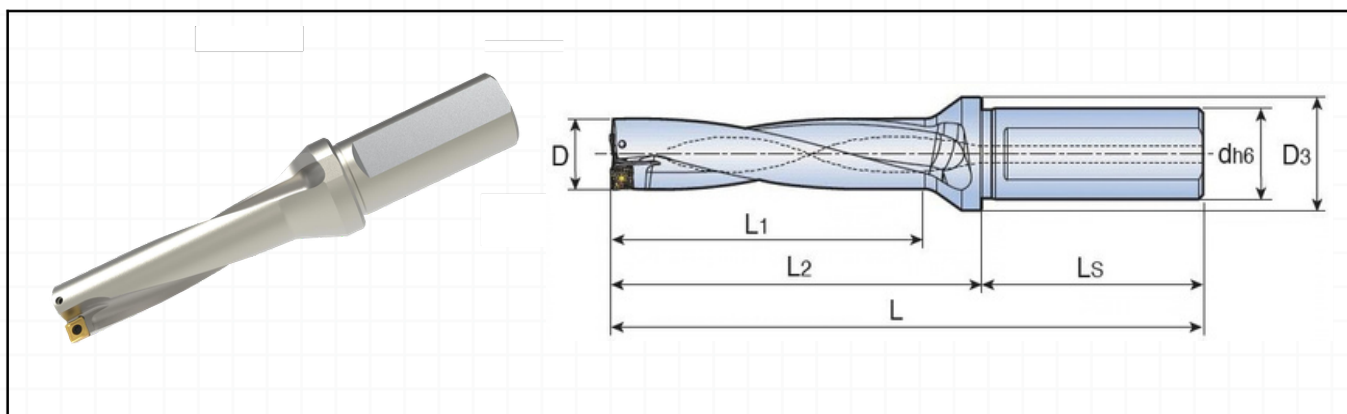


◎Drilling depth: 4xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 4140-20T2-05	14.0	20	25	124	56	74	50	XOMX 05
XOP 4145-20T2-05	14.5	20	25	129	60	79	50	
XOP 4150-20T2-05	15.0	20	25	129	60	79	50	
XOP 4155-20T2-05	15.5	20	25	134	64	84	50	
XOP 4160-20T2-05	16.0	20	25	134	64	84	50	
XOP 4165-25T2-06	16.5	25	32	144	68	88	56	XOMX 06
XOP 4170-25T2-06	17.0	25	32	144	68	88	56	
XOP 4175-25T2-06	17.5	25	32	149	72	93	56	
XOP 4180-25T2-06	18.0	25	32	149	72	93	56	
XOP 4185-25T2-06	18.5	25	32	153	76	97	56	
XOP 4190-25T2-06	19.0	25	32	153	76	97	56	XOMX 07
XOP 4195-25T2-07	19.5	25	32	159	80	103	56	
XOP 4200-25T2-07	20.0	25	32	159	80	103	56	
XOP 4205-25T2-07	20.5	25	32	163	84	107	56	
XOP 4210-25T2-07	21.0	25	32	163	84	107	56	
XOP 4215-25T2-07	21.5	25	32	167	88	111	56	XOMX 08
XOP 4220-25T2-07	22.0	25	32	167	88	111	56	
XOP 4225-25T2-08	22.5	25	32	170	92	114	56	
XOP 4230-25T2-08	23.0	25	32	170	92	114	56	
XOP 4230-32T2-08	23.0	32	40	174	92	114	60	
XOP 4235-25T2-08	23.5	25	32	174	96	118	56	
XOP 4235-32T2-08	23.5	32	40	178	96	118	60	
XOP 4240-25T2-08	24.0	25	32	174	96	118	56	
XOP 4240-32T2-08	24.0	32	40	178	96	118	60	
XOP 4245-25T2-08	24.5	25	32	178	100	122	56	

XOP 4... -T2

Indexable Drill



◎Drilling depth: 4xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 4245-32T2-08	24.5	32	40	182	100	122	60	XOMX 08
XOP 4250-25T2-08	25.0	25	32	178	100	122	56	
XOP 4250-32T2-08	25.0	32	40	182	100	122	60	
XOP 4254-25T2-08 *	25.4	25	32	178	101.6	122	56	
XOP 4255-25T2-08	25.5	25	32	181	104	125	56	
XOP 4255-32T2-08	25.5	32	40	185	104	125	60	
XOP 4260-25T2-08	26.0	25	32	181	104	125	56	
XOP 4260-32T2-08	26.0	32	40	185	104	125	60	
XOP 4265-25T2-09	26.5	25	40	187	108	131	56	XOMX 09
XOP 4265-32T2-09	26.5	32	40	191	108	131	60	
XOP 4270-25T2-09	27.0	25	40	187	108	131	56	
XOP 4270-32T2-09	27.0	32	40	191	108	131	60	
XOP 4275-25T2-09	27.5	25	40	191	112	135	56	
XOP 4275-32T2-09	27.5	32	40	195	112	135	60	
XOP 4280-25T2-09	28.0	25	40	191	112	135	56	
XOP 4280-32T2-09	28.0	32	40	195	112	135	60	
XOP 4285-25T2-09	28.5	25	40	195	116	139	56	
XOP 4285-32T2-09	28.5	32	40	199	116	139	60	
XOP 4286-32T2-09 *	28.6	32	40	199	114.4	139	60	
XOP 4290-25T2-09	29.0	25	40	195	116	139	56	
XOP 4290-32T2-09	29.0	32	40	199	116	139	60	

◎Standard product has the inner coolant holes; Insert needs to be purchased separately.

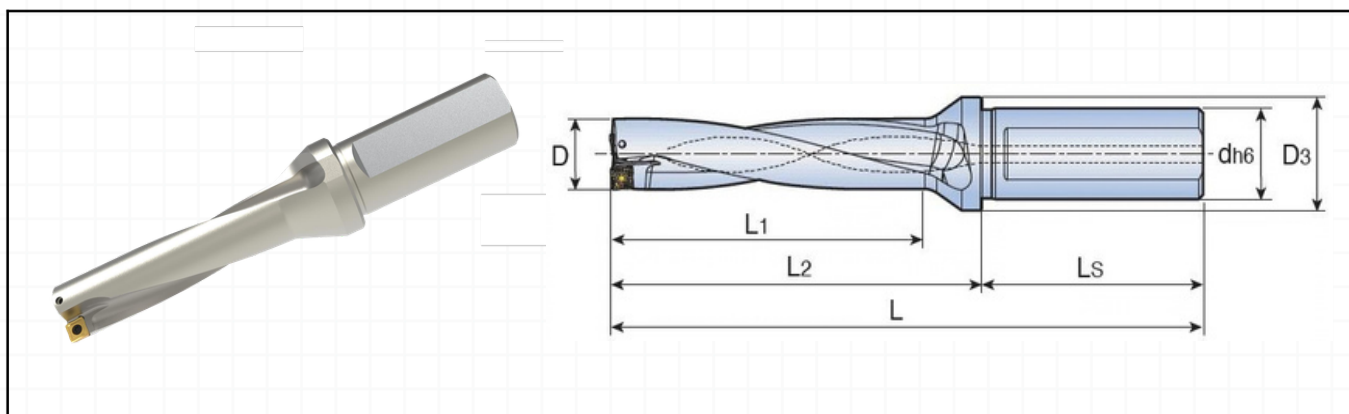
◎** indicates in imperial measurements.

◎The standard product does not have a threaded interface at the holder end. If required, can be made by order.

◎Coolant blockage requires a separate order.

XOP 4... -T2

Indexable Drill

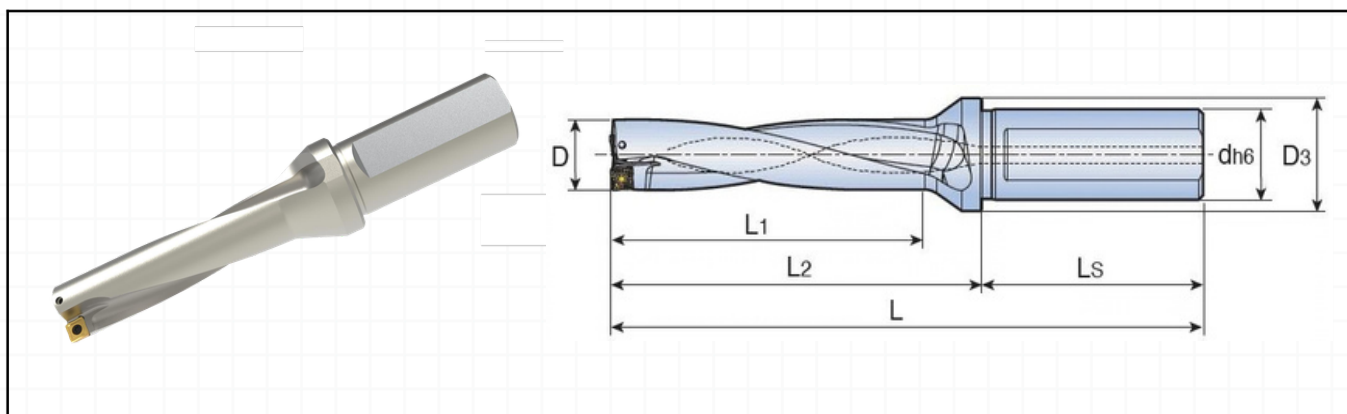


◎Drilling depth: 4xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 4295-32T2-09	29.5	32	40	203	120	143	60	XOMX 09
XOP 4300-32T2-09	30.0	32	40	203	120	143	60	
XOP 4305-32T2-09	30.5	32	40	207	124	147	60	
XOP 4310-32T2-09	31.0	32	40	207	124	147	60	
XOP 4318-32T2-11 *	31.8	32	40	211	127.2	151	60	XOMX 11
XOP 4320-32T2-11	32.0	32	40	211	128	151	60	
XOP 4320-40T2-11	32.0	40	50	221	128	151	70	
XOP 4330-32T2-11	33.0	32	40	215	132	155	60	
XOP 4330-40T2-11	33.0	40	50	225	132	155	70	
XOP 4340-32T2-11	34.0	32	40	219	136	159	60	
XOP 4340-40T2-11	34.0	40	50	229	136	159	70	
XOP 4349-40T2-11 *	34.9	40	50	233	139.6	163	70	
XOP 4350-32T2-11	35.0	32	40	223	140	163	60	
XOP 4350-40T2-11	35.0	40	50	233	140	163	70	
XOP 4360-32T2-11	36.0	32	40	227	144	167	60	
XOP 4360-40T2-11	36.0	40	50	237	144	167	70	
XOP 4370-32T2-13	37.0	32	50	236	148	176	60	XOMX 13
XOP 4370-40T2-13	37.0	40	50	246	148	176	70	
XOP 4371-40T2-13 *	37.1	40	50	246	148.4	176	70	
XOP 4380-32T2-13	38.0	32	50	240	152	180	60	
XOP 4380-40T2-13	38.0	40	50	250	152	180	70	
XOP 4381-40T2-13 *	38.1	40	50	250	152.4	180	70	
XOP 4390-32T2-13	39.0	32	50	244	156	184	60	

XOP 4... -T2

Indexable Drill



◎Drilling depth: 4xD(diameter))

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 4390-40T2-13	39.0	40	50	254	156	184	70	XOMX 13
XOP 4400-32T2-13	40.0	32	50	248	160	188	60	
XOP 4400-40T2-13	40.0	40	50	258	160	188	70	
XOP 4410-40T2-13	41.0	40	50	262	164	192	70	
XOP 4413-40T2-13 *	41.3	40	50	262	165.2	192	70	
XOP 4420-40T2-13	42.0	40	50	266	168	196	70	
XOP 4429-40T2-13	42.9	40	50	270	171.6	200	70	
XOP 4430-40T2-13	43.0	40	50	270	172	200	70	
XOP 4440-40T2-13	44.0	40	50	281	176	211	70	XOMX 15
XOP 4445-40T2-15	44.5	40	60	285	178	215	70	
XOP 4450-40T2-15	45.0	40	60	285	180	215	70	
XOP 4460-40T2-15	46.0	40	60	289	184	219	70	
XOP 4470-40T2-15	47.0	40	60	293	188	223	70	
XOP 4476-40T2-15 *	47.6	40	60	297	190.4	227	70	
XOP 4480-40T2-15	48.0	40	60	297	192	227	70	
XOP 4490-40T2-15	49.0	40	60	301	196	231	70	
XOP 4500-40T2-15	50.0	40	60	305	200	235	70	
XOP 4508-40T2-15 *	50.8	40	60	309	203.2	239	70	

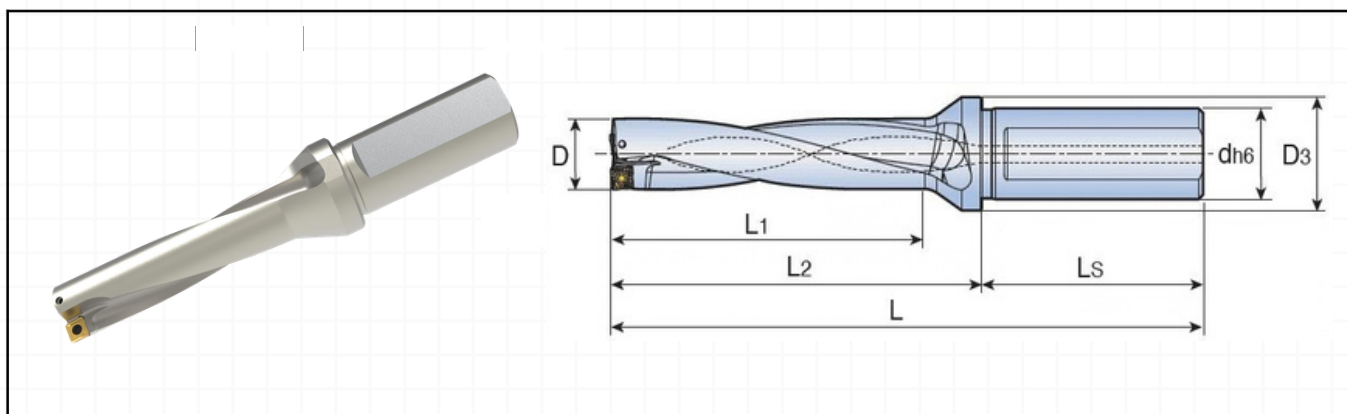
◎“*” indicates in imperial measurements.

◎The standard product does not have a threaded interface at the holder end. If required, can be made by order. ◎Coolant blockage requires a separate order.

◎Standard product has the inner coolant holes; Insert needs to be purchased separately

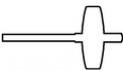
XOP 4... -T2

Indexable Drill



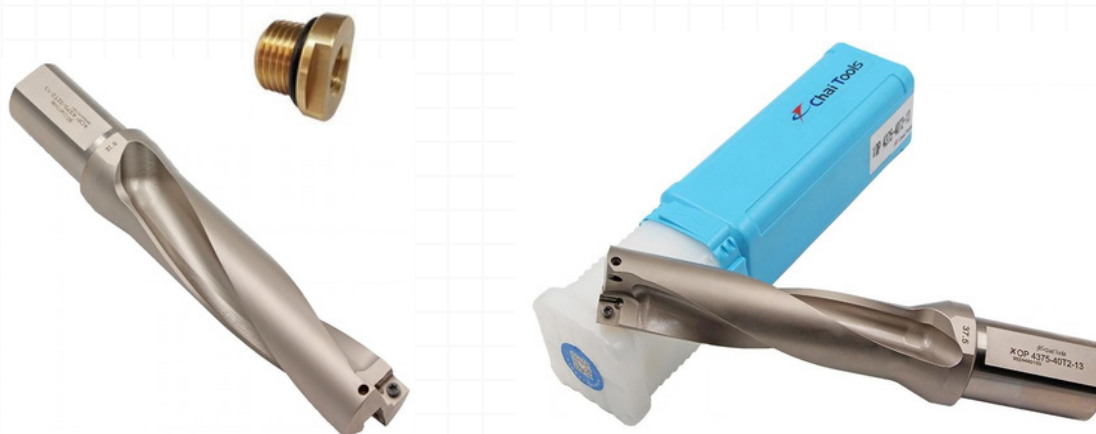
◎Drilling depth: 4xD(diameter)

Spare Parts

Model	Screw	Wrench	Coolant plug*
			
XOP 4140-4160	CSG2049-P	CTS06W-P	CSL 20
XOP 4165-4220	CSG2252-P	CTS07W-P	CSL 25
XOP 4225-4260	CSG2565-P	CTS08W-P	CSL 25/CSL 32
XOP 4265-4360	CSG3585-P	CTS10W-P	CSL 25/CSL 32
XOP 4370-4430	CSG4011-P	CTS15W-P	CSL 32/CSL 40
XOP 4440-4508	CSG5012-P	CTS20W-P	CSL 32/CSL 40

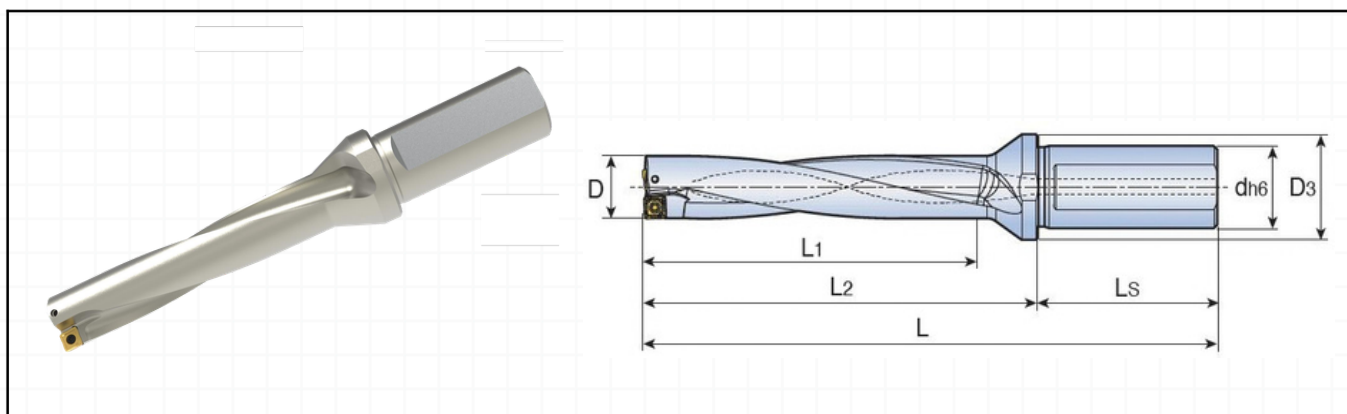
◎Coolant blockage requires a separate order.

◎The model for coolant blockage is selected based on the diameter of the hand le.



XOP 5.. -T2

Indexable Drill



◎Drilling depth: 5xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 5140-20T2-05	14.0	20	25	138	70	88	50	XOMX 05
XOP 5145-20T2-05	14.5	20	25	144	75	94	50	
XOP 5150-20T2-05	15.0	20	25	144	75	94	50	
XOP 5155-20T2-05	15.5	20	25	150	80	100	50	
XOP 5160-20T2-05	16.0	20	25	150	80	100	50	
XOP 5165-25T2-06	16.5	25	32	161	85	105	56	XOMX 06
XOP 5170-25T2-06	17.0	25	32	161	85	105	56	
XOP 5175-25T2-06	17.5	25	32	167	90	111	56	
XOP 5180-25T2-06	18.0	25	32	167	90	111	56	
XOP 5185-25T2-06	18.5	25	32	172	95	116	56	
XOP 5190-25T2-06	19.0	25	32	172	95	116	56	XOMX 07
XOP 5195-25T2-07	19.5	25	32	179	100	123	56	
XOP 5200-25T2-07	20.0	25	32	179	100	123	56	
XOP 5205-25T2-07	20.5	25	32	184	105	128	56	
XOP 5210-25T2-07	21.0	25	32	184	105	128	56	
XOP 5215-25T2-07	21.5	25	32	189	110	133	56	XOMX 08
XOP 5220-25T2-07	22.0	25	32	189	110	133	56	
XOP 5222-25T2-07 *	22.2	25	32	189	111	133	56	
XOP 5225-25T2-08	22.5	25	32	193	115	137	56	
XOP 5230-25T2-08	23.0	25	32	193	115	137	56	
XOP 5230-32T2-08	23.0	32	40	197	115	137	60	XOMX 08
XOP 5235-25T2-08	23.5	25	32	198	120	142	56	

◎Standard product has the inner coolant holes; Insert needs to be purchased separately.

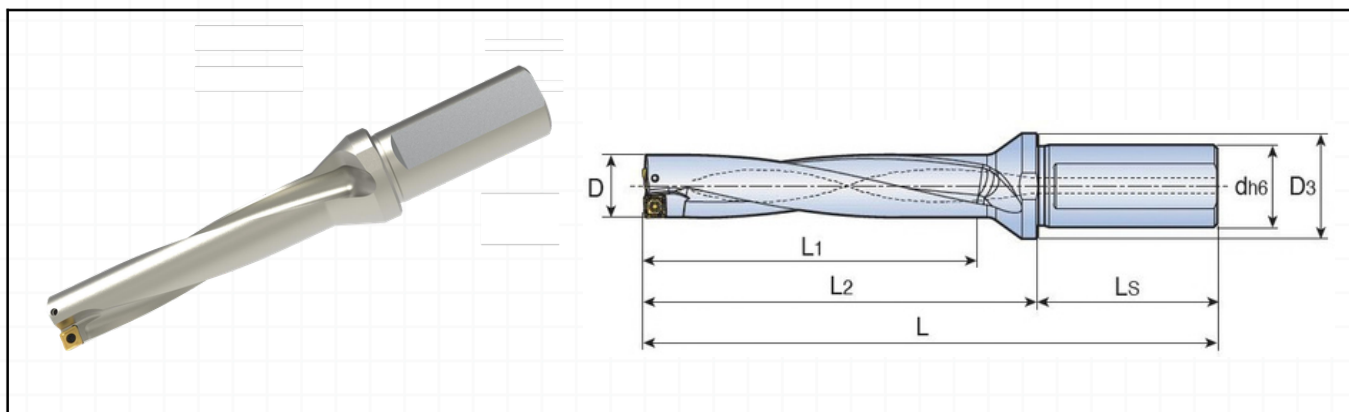
◎“*” indicates in imperial measurements.

◎The standard product does not have a threaded interface at the holder end. If required, can be made by order.

◎Coolant blockage requires a separate order.

XOP 5... -T2

Indexable Drill

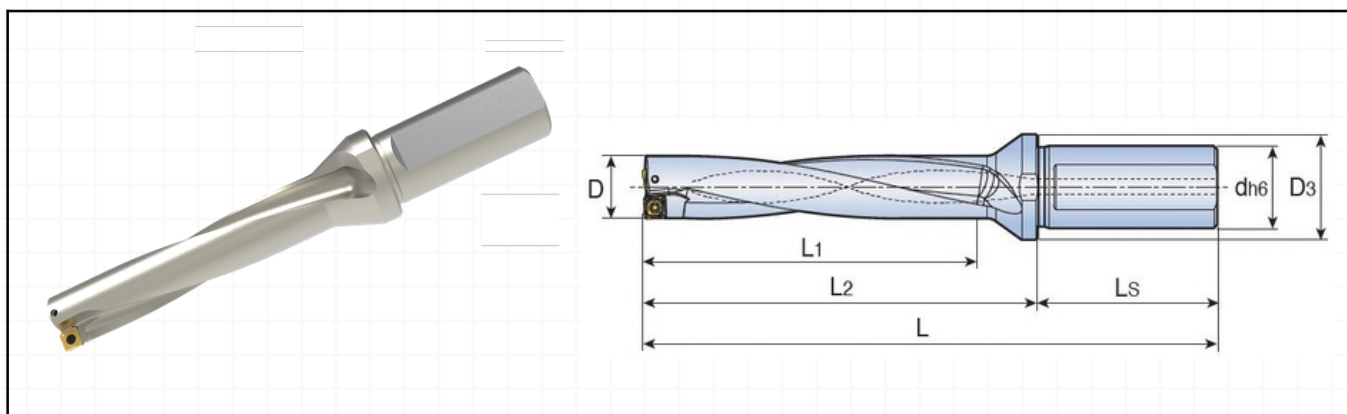


©Drilling depth: 5xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 5235-32T2-08	23.5	32	40	202	120	142	60	XOMX 08
XOP 5240-25T2-08	24.0	25	32	198	120	142	56	
XOP 5240-32T2-08	24.0	32	40	202	120	142	60	
XOP 5245-25T2-08	24.5	25	32	203	125	147	56	
XOP 5245-32T2-08	24.5	32	40	207	125	147	60	
XOP 5250-25T2-08	25.0	25	32	203	125	147	56	
XOP 5250-32T2-08	25.0	32	40	207	125	147	60	
XOP 5255-25T2-08	25.5	25	32	207	130	151	56	
XOP 5255-32T2-08	25.5	32	40	211	130	151	60	
XOP 5260-25T2-08	26.0	25	32	207	130	151	56	
XOP 5260-32T2-08	26.0	32	40	211	130	151	60	
XOP 5265-32T2-09	26.5	32	40	218	135	158	60	XOMX 09
XOP 5270-25T2-09	27.0	25	40	214	135	158	56	
XOP 5270-32T2-09	27.0	32	40	218	135	158	60	
XOP 5275-32T2-09	27.5	32	40	223	140	163	60	
XOP 5280-25T2-09	28.0	25	40	219	140	163	56	
XOP 5280-32T2-09	28.0	32	40	223	140	163	60	
XOP 5282-32T2-09 *	28.2	32	40	223	141	163	60	
XOP 5285-32T2-09	28.5	32	40	228	145	168	60	
XOP 5290-25T2-09	29.0	25	40	224	145	168	56	
XOP 5290-32T2-09	29.0	32	40	228	145	168	60	
XOP 5295-32T2-09	29.5	32	40	233	150	173	60	
XOP 5300-32T2-09	30.0	32	40	233	150	173	60	
XOP 5305-32T2-09	30.5	32	40	238	155	178	60	
XOP 5310-32T2-09	31.0	32	40	238	155	178	60	

XOP 5... -T2

Indexable Drill



©Drilling depth: 5xD(diameter)

Model	Dimension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 5320-32T2-11	32.0	32	40	243	160	183	60	XOMX 11
XOP 5320-40T2-11	32.0	40	50	253	160	183	70	
XOP 5330-32T2-11	33.0	32	40	248	165	188	60	
XOP 5330-40T2-11	33.0	40	50	258	165	188	70	
XOP 5340-32T2-11	34.0	32	40	253	170	193	60	
XOP 5340-40T2-11	34.0	40	50	263	170	193	70	
XOP 5350-32T2-11	35.0	32	40	258	175	198	60	
XOP 5350-40T2-11	35.0	40	50	268	175	198	70	
XOP 5360-32T2-11	36.0	32	40	263	180	203	60	
XOP 5360-40T2-11	36.0	40	50	273	180	203	70	
XOP 5370-32T2-13	37.0	32	50	273	185	213	60	XOMX 13
XOP 5370-40T2-13	37.0	40	50	283	185	213	70	
XOP 5380-32T2-13	38.0	32	50	278	190	218	60	
XOP 5380-40T2-13	38.0	40	50	288	190	218	70	
XOP 5390-32T2-13	39.0	32	50	283	195	223	60	
XOP 5390-40T2-13	39.0	40	50	293	195	223	70	
XOP 5400-32T2-13	40.0	32	50	288	200	228	60	
XOP 5400-40T2-13	40.0	40	50	298	200	228	70	
XOP 5410-40T2-13	41.0	40	50	303	205	233	70	
XOP 5420-40T2-13	42.0	40	50	308	210	238	70	
XOP 5430-40T2-13	43.0	40	50	313	215	243	70	XOMX 15
XOP 5440-40T2-15	44.0	40	60	325	220	255	70	
XOP 5450-40T2-15	45.0	40	60	330	225	260	70	

©Standard product has the inner coolant holes; Insert needs to be purchased separately.

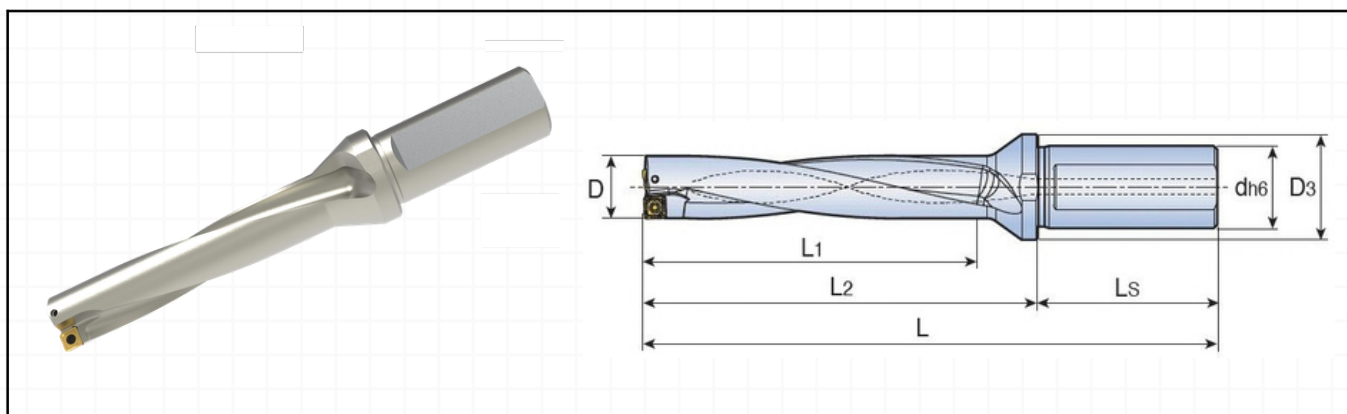
©“*” indicates in imperial measurements.

©The standard product does not have a threaded interface at the holder end. If required, can be made by order.

©Coolant blockage requires a separate order.

XOP 5... -T2

Indexable Drill



◎Drilling depth: 5xD(diameter)

Model	Di mension (mm)							Insert
	D	d	D3	L	L1	L2	Ls	
XOP 5460-40T2-15	46.0	40	60	335	230	265	70	XOMX 15
XOP 5470-40T2-15	47.0	40	60	340	235	270	70	
XOP 5480-40T2-15	48.0	40	60	345	240	275	70	
XOP 5490-40T2-15	49.0	40	60	350	245	280	70	
XOP 5500-40T2-15	50.0	40	60	355	250	285	70	

◎Standard product has the inner coolant holes; Insert needs to be purchased separately.

◎“*” indicates in imperial measurements.

◎The standard product does not have a threaded interface at the holder end. If required, can be made by order.

◎Coolant blockage requires a separate order.

Spare Parts

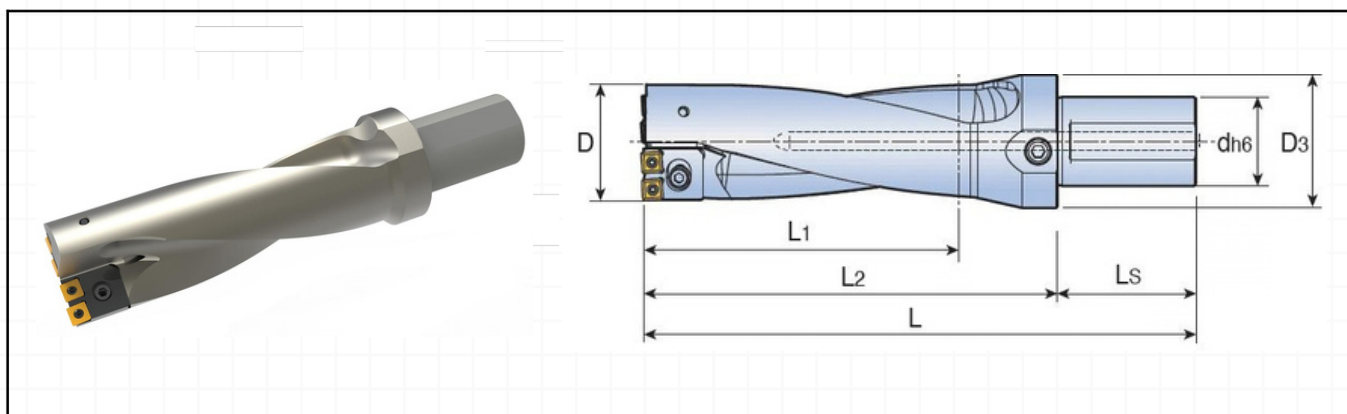
Model	Screw	Wrench	Coolant plug*
			
XOP 5140-5160	CSG2049-P	CTS06W-P	CSL 20
XOP 5165-5220	CSG2252-P	CTS07W-P	CSL 25
XOP 5225-5260	CSG2565-P	CTS08W-P	CSL 25/CSL 32
XOP 5265-5360	CSG3585-P	CTS10W-P	CSL 25/CSL 32
XOP 5370-5430	CSG4011-P	CTS15W-P	CSL 32/CSL 40
XOP 5440-5500	CSG5012-P	CTS20W-P	CSL 32/CSL 40

◎Coolant blockage requires a separate order.

◎The model for coolant blockage is selected based on the diameter of the handle.

CDR25... -T2

INDEXABLE DRILL HOLDER



©Drilling depth: 2.5xD(Diameter)

Model	Dimension (mm)							Setting Plate	Insert
	D	d	D3	L	L1	L2	Ls		
CDR 2551-53-50T2-07CA-T	51	50	75	250	133	170	80		SPMG 07
	52	50	75	250	133	170	80	CDP-0701	
	53	50	75	250	133	170	80	CDP-0702	
CDR 2554-56-50T2-07CA-T	54	50	75	260	140	180	80		SPMG 07
	55	50	75	260	140	180	80	CDP-0701	
	56	50	75	260	140	180	80	CDP-0702	
CDR 2557-62-50T2-09CA-T	57	50	75	281	155	201	80		SPMG 09
	58	50	75	281	155	201	80	CDP-0901	
	59	50	75	281	155	201	80	CDP-0902	
	60	50	75	281	155	201	80	CDP-0903	
	61	50	75	281	155	201	80	CDP-0904	
	62	50	75	281	155	201	80	CDP-0905	
CDR 2563-66-50T2-09CA-T	63	50	75	295	165	215	80		SPMG 09
	64	50	75	295	165	215	80	CDP-0901	
	65	50	75	295	165	215	80	CDP-0902	
	66	50	75	295	165	215	80	CDP-0903	
CDR 2567-73-50T2-11CA-T	67	50	75	320	183	240	80		SPMG 11
	68	50	75	320	183	240	80	CDP-1101	
	69	50	75	320	183	240	80	CDP-1102	
	70	50	75	320	183	240	80	CDP-1103	
	71	50	75	320	183	240	80	CDP-1104	
	72	50	75	320	183	240	80	CDP-1105	
	73	50	75	320	183	240	80	CDP-1106	

©Standard product has the inner coolant holes; Insert needs to be purchased separately.

CDR25.. -T2

INDEXABLE CARTRIDGE DRILL

Spare Parts Spare Parts

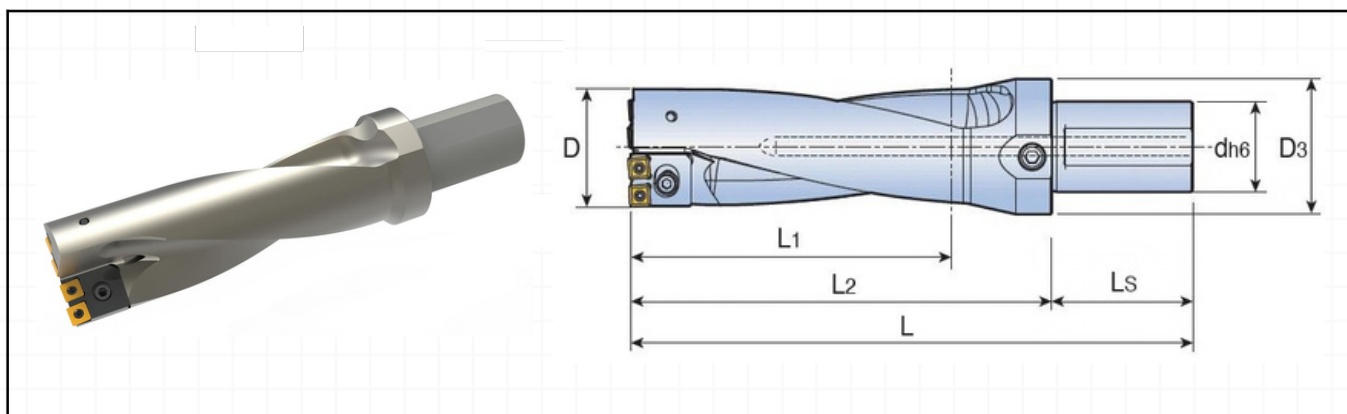
Cartridge	Clamping Screw	Washer	Setting plate screw	Wrench
CDR 07CA-P1-T	CLA0401607	CQP4380	CSS2005	CTS06
CDR 07CA-C1-T	CLA0401607	CQP4380		W
CDR 07CA-P2-T	CLA0401607	CQP4380	CSS2005	CTS06W
CDR 07CA-C2-T	CLA0401607	CQP4380		
CDR 09CA-P1-T	CLA0501608	CQP5510	CSC3080	CTS10W
CDR 09CA-C1-T	CLA0501608	CQP5510		
CDR 09CA-P2-T	CLA0501608	CQP5510	CSC3080	CTS10W
CDR 09CA-C2-T	CLA0501608	CQP5510		
CDR 11CA-P1-T	CLA0602010	CQP6412	CSC3080	CTS10W
CDR 11CA-C1-T	CLA0602010	CQP6412		

Spare Parts

Model	Screw	Wrench	Carte.Peripheral	Carteidge for Center
				
CDR 2551	CSG2565-P	CTS08W-P	CDR 07CA-P1-T	CDR 07CA-C1-T
CDR 2554	CSG2565-P	CTS08W-P	CDR 07CA-P2-T	CDR 07CA-C2-T
CDR 2557	CSG3585-P	CTS10W-P	CDR 09CA-P1-T	CDR 09CA-C1-T
CDR 2563	CSG3585-P	CTS10W-P	CDR 09CA-P2-T	CDR 09CA-C2-T
CDR 2567	CSG4011-P	CTS15W-P	CDR 11CA-P1-T	CDR 11CA-C1-T

CDR35... -T2

Indexable Tool Holder for Drill Bits



©Drilling depth: 3.5xD(Diameter)

Model	Dimension (mm)							Setting Plate	Insert
	D	d	D3	L	L1	L2	Ls		
CDR 3551-53-50T2-07CA-T	51	50	75	303	186	223	80		SPMG 07
	52	50	75	303	186	223	80	CDP-0701	
	53	50	75	303	186	223	80	CDP-0702	
CDR 3554-56-50T2-07CA-T	54	50	75	316	196	236	80		SPMG 07
	55	50	75	316	196	236	80	CDP-0701	
	56	50	75	316	196	236	80	CDP-0702	
CDR 3557-62-50T2-09CA-T	57	50	75	343	217	263	80		SPMG 09
	58	50	75	343	217	263	80	CDP-0901	
	59	50	75	343	217	263	80	CDP-0902	
	60	50	75	343	217	263	80	CDP-0903	
	61	50	75	343	217	263	80	CDP-0904	
	62	50	75	343	217	263	80	CDP-0905	
CDR 3563-66-50T2-09CA-T	63	50	75	361	231	281	80		SPMG 09
	64	50	75	361	231	281	80	CDP-0901	
	65	50	75	361	231	281	80	CDP-0902	
	66	50	75	361	231	281	80	CDP-0903	
CDR 3567-73-50T2-11CA-T	67	50	75	393	256	313	80		SPMG 11
	68	50	75	393	256	313	80	CDP-1101	
	69	50	75	393	256	313	80	CDP-1102	
	70	50	75	393	256	313	80	CDP-1103	
	71	50	75	393	256	313	80	CDP-1104	
	72	50	75	393	256	313	80	CDP-1105	
	73	50	75	393	256	313	80	CDP-1106	

©Standard product has the inner coolant holes; Insert needs to be purchased separately.

CDR35.. -T2

INDEXABLE CARTRIDGE DRILL

Spare parts for Cartridges

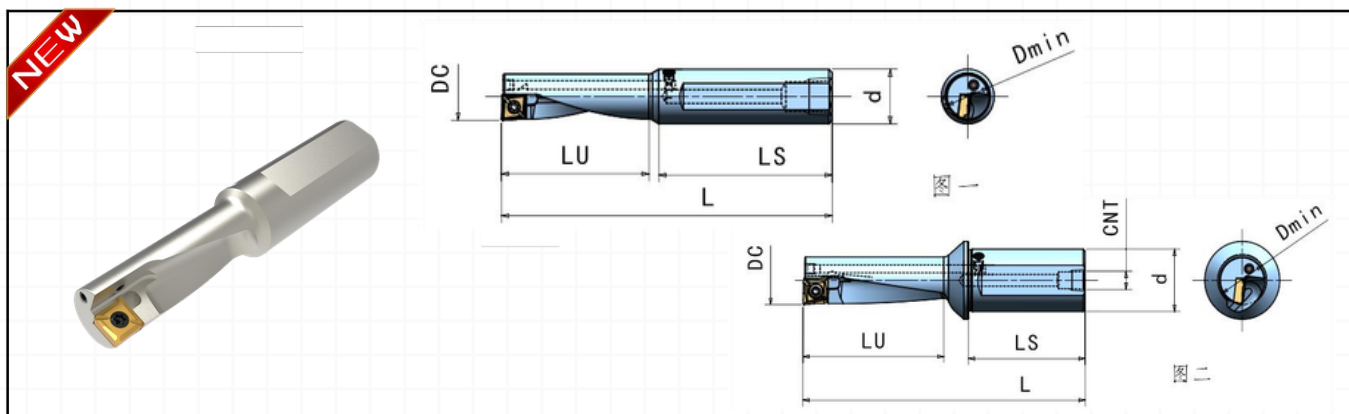
Cartridge	Clamping screw	Washer	Setting plate screw	Wrench
CDR 07CA-P1-T	CLA0401607	CQP4380	CSS2005	CTS06
CDR 07CA-C1-T	CLA0401607	CQP4380		W
CDR 07CA-P2-T	CLA0401607	CQP4380	CSS2005	CTS06W
CDR 07CA-C2-T	CLA0401607	CQP4380		
CDR 09CA-P1-T	CLA0501608	CQP5510	CSC3080	CTS10W
CDR 09CA-C1-T	CLA0501608	CQP5510		
CDR 09CA-P2-T	CLA0501608	CQP5510	CSC3080	CTS10W
CDR 09CA-C2-T	CLA0501608	CQP5510		
CDR 11CA-P1-T	CLA0602010	CQP6412	CSC3080	CTS10W
CDR 11CA-C1-T	CLA0602010	CQP6412		

Spare Parts

Model	Screw 	Wrench 	Peripheral 	Center 
CDR 3551	CSG2565-P	CTS08W-P	CDR 07CA-P1-T	CDR 07CA-C1-T
CDR 3554	CSG2565-P	CTS08W-P	CDR 07CA-P2-T	CDR 07CA-C2-T
CDR 3557	CSG3585-P	CTS10W-P	CDR 09CA-P1-T	CDR 09CA-C1-T
CDR 3563	CSG3585-P	CTS10W-P	CDR 09CA-P2-T	CDR 09CA-C2-T
CDR 3567	CSG4011-P	CTS15W-P	CDR 11CA-P1-T	CDR 11CA-C1-T

XCP... -T1

MULTI-FUNCTION HOLDER



◎Drilling depth: 3xD(diameter)

Model	Dimension (mm)							Fig.	Insert
	DC	d	LU	LS	L	Dmin	CNT		
XCP 3120-16T1-06	12	16	36.0	55	95	14.5	G1/8	—	XCMT 06
XCP 3140-16T1-07	14	16	42.0	52	100	16.5	G1/8	—	XCMT 07
XCP 3160-20T1-08	16	20	48.0	56	110	19.0	G1/8	—	XCMT 08
XCP 3200-25T1-10	20	25	60.0	67	130	23.5	G1/8	—	XCMT 10
XCP 3250-32T1-13	25	32	75.0	62	150	29.0	G1/8	—	XCMT 13
XCP 3320-40T1-17	32	40	96.0	75	185	36.5	G1/8	—	XCMT 17

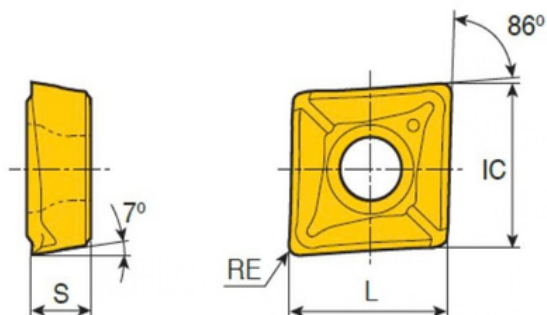
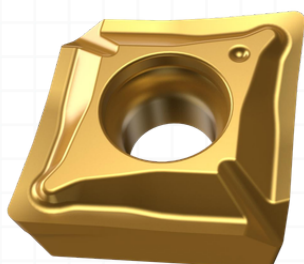
◎Standard product has the inner coolant holes; Insert needs to be purchased separately.

Spare Parts

Model	Screw	Wrench	
			
XCP 3120	CSG2252-P	CTS07W-P	
XCP 3140	CSG2565-P	CTS08W-P	
XCP 3160	CSG3085-P	CTS10W-P	
XCP 3200	CSG3585-P	CTS10W-P	
XCP 3250	CSC4511	CTS15W	
XCP 3320	CSG5012-P	CTS20W-P	

XCP.. -П

NEW



Insert Model	Di mension (mm)				Turning		Drilling	Grade
	IC	L	S	RE	ap m m	Feed mm/rev	Feed mm/rev	CT5320
XCMT 040104R	4.4	6.4	1.70	0.4	0.2-1.8	0.02-0.15	0.02-0.09	
XCMT 040104L	4.4	6.4	1.70	0.4	0.2-1.8	0.02-0.15	0.02-0.09	
XCMT 050204	5.6	5.6	2.10	0.4	0.2-2.2	0.03-0.18	0.02-0.11	
XCMT 060204	6.4	6.4	2.38	0.4	0.3-2.5	0.03-0.20	0.03-0.12	
XCMT 070304	7.5	7.5	3.18	0.4	0.4-2.8	0.05-0.22	0.03-0.13	
XCMT 080304	8.4	8.4	3.18	0.4	0.4-3.2	0.06-0.25		
XCMT 10T304	10.5	10.5	3.97	0.4	0.5-3.5	0.06-0.30		
XCMT 10T308			0.8					
XCMT 130404	13.4	13.4	4.76	0.4	0.6-4.3	0.08-0.33		
XCMT 130408			0.8					
XCMT 170508	17.4	17.4	5.56	0.8	0.7-5.3	0.10-0.38		

ТВЕРДОСПЛАВНІ СВЕРДЛА

ПРОФЕСІЙНІ РІШЕННЯ
ДЛЯ ВИЩОЇ ЕФЕКТИВНОСТІ



ВИСОКА
ЗНОСОСТІЙКІСТЬ



СТАБІЛЬНА
ПРОДУКТИВНІСТЬ



ТОЧНА
ОБРОБКА



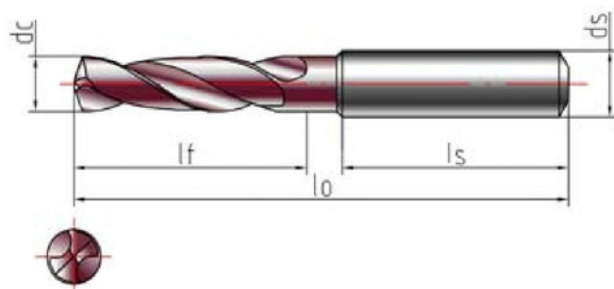
140°

СТАБІЛЬНІСТЬ
НАДІЙНІСТЬ
РЕЗУЛЬТАТ

СВЕРДЛА
ФРЕЗИ
РІЖУЧИЙ ІНСТРУМЕНТ
ПРОФЕСІЙНИЙ СЕРВІС

CH...3D

Solid Carbide Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

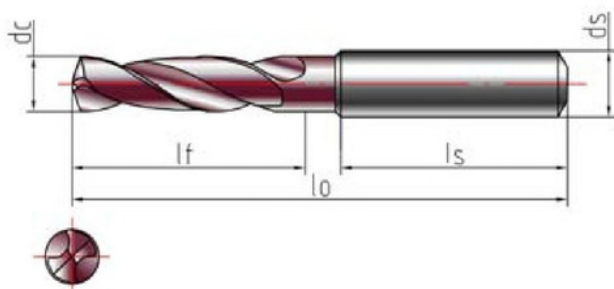
◎Drilling depth: 3xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D033-3D	3.3	20	6	36	62	M4x0.7	—
CH-D034-3D	3.4	20	6	36	62	NO.8-32UNC	—
CH-D035-3D	3.5	20	6	36	62	M4x0.5 NO.8-36UNC	—
CH-D036-3D	3.6	20	6	36	62	—	—
CH-D037-3D	3.7	20	6	36	62	—	M4x0.7
CH-D038-3D	3.8	24	6	36	66	—	M4x0.5
CH-D039-3D	3.9	24	6	36	66	NO.10-24UNC	—
CH-D040-3D	4.0	24	6	36	66	—	—
CH-D041-3D	4.1	24	6	36	66	NO.10-32UNF	—
CH-D042-3D	4.2	24	6	36	66	M5x0.8	—
CH-D043-3D	4.3	24	6	36	66	—	—
CH-D044-3D	4.4	24	6	36	66	—	—
CH-D045-3D	4.5	24	6	36	66	M5x0.5 NO.12-24UNC	—
CH-D046-3D	4.6	24	6	36	66	NO.12-28UNF	M5x0.8
CH-D047-3D	4.7	24	6	36	66	NO.12-32UNEF	—
CH-D048-3D	4.8	28	6	36	66	—	—
CH-D049-3D	4.9	28	6	36	66	—	—
CH-D050-3D	5.0	28	6	36	66	M6x1	—
CH-D051-3D	5.1	28	6	36	66	1/4-20UNC	—
CH-D052-3D	5.2	28	6	36	66	—	—
CH-D053-3D	5.3	28	6	36	66	M6x0.75	—

◎Standard Drill Bit without Internal Cooling

CH...3D

Solid Carbide Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

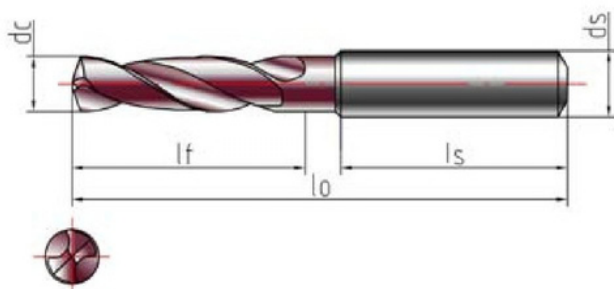
◎Drilling depth: 3xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D054-3D	5.4	28	6	36	66	—	—
CH-D055-3D	5.5	28	6	36	66	1/4-28UNF	M6x1
CH-D056-3D	5.6	28	6	36	66	1/4-32UNEF	—
CH-D057-3D	5.7	28	6	36	66	—	—
CH-D058-3D	5.8	28	6	36	66	—	—
CH-D059-3D	5.9	28	6	36	66	—	—
CH-D060-3D	6.0	28	6	36	66	—	—
CH-D061-3D	6.1	34	8	36	79	—	—
CH-D062-3D	6.2	34	8	36	79	—	—
CH-D063-3D	6.3	34	8	36	79	—	—
CH-D064-3D	6.4	34	8	36	79	—	—
CH-D065-3D	6.5	34	8	36	79	—	—
CH-D066-3D	6.6	34	8	36	79	5/16-18UNC	—
CH-D067-3D	6.7	34	8	36	79	—	—
CH-D068-3D	6.8	34	8	36	79	M8x1.25	—
CH-D069-3D	6.9	34	8	36	79	5/16-24UNF	—
CH-D070-3D	7.0	34	8	36	79	M8x1	—
CH-D071-3D	7.1	41	8	36	79	5/16-32UNEF	—
CH-D072-3D	7.2	41	8	36	79	—	—
CH-D073-3D	7.3	41	8	36	79	M8x0.75	—
CH-D074-3D	7.4	41	8	36	79	—	M8x1.25
CH-D075-3D	7.5	41	8	36	79	—	—

◎Standard Drill Bit without Internal Cooling

CH...3D

Solid Carbide Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

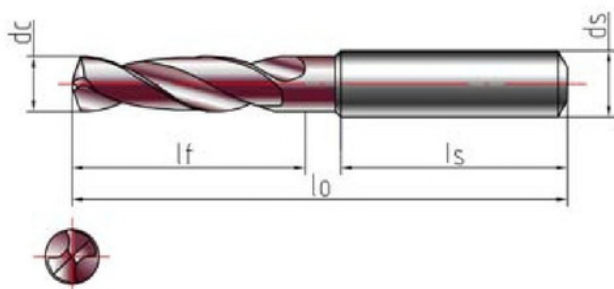
◎Drilling depth: 3xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D076-3D	7.6	41	8	36	79	—	—
CH-D077-3D	7.7	41	8	36	79	—	—
CH-D078-3D	7.8	41	8	36	79	—	—
CH-D079-3D	7.9	41	8	36	79	—	—
CH-D080-3D	8.0	41	8	36	79	3/8-16UNC	—
CH-D081-3D	8.1	47	10	40	89	—	—
CH-D082-3D	8.2	47	10	40	89	—	—
CH-D083-3D	8.3	47	10	40	89	—	—
CH-D084-3D	8.4	47	10	40	89	—	—
CH-D085-3D	8.5	47	10	40	89	M10x1.5 3/8-24UNF	—
CH-D086-3D	8.6	47	10	40	89	—	—
CH-D087-3D	8.7	47	10	40	89	3/8-32UNEF	—
CH-D088-3D	8.8	47	10	40	89	M10x1.25	—
CH-D089-3D	8.9	47	10	40	89	—	—
CH-D090-3D	9.0	47	10	40	89	M10x1	—
CH-D091-3D	9.1	47	10	40	89	—	—
CH-D092-3D	9.2	47	10	40	89	—	—
CH-D093-3D	9.3	47	10	40	89	M10x0.75	M10x1.5
CH-D094-3D	9.4	47	10	40	89	7/16-14UNC	—
CH-D095-3D	9.5	47	10	40	89	—	—
CH-D097-3D	9.7	47	10	40	89	—	—
CH-D098-3D	9.8	47	10	40	89	—	—

◎Standard Drill Bit without Internal Cooling

CH...3D

Solid Carbide Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

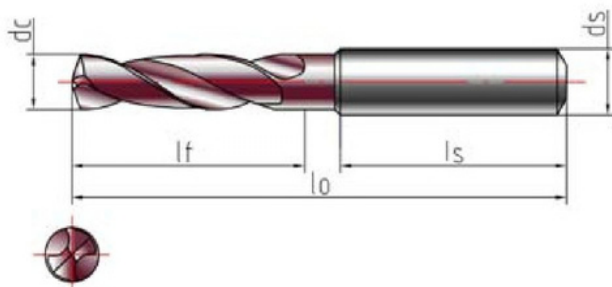
◎Drilling depth: $3 \times D$ (diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D099-3D	9.9	47	10	40	89	7/16-20UNF	—
CH-D100-3D	10.0	47	10	40	89	—	—
CH-D101-3D	10.1	55	12	45	102	—	—
CH-D102-3D	10.2	55	12	45	102	7/16-28UNEF	—
CH-D103-3D	10.3	55	12	45	102	M12x1.75	—
CH-D104-3D	10.4	55	12	45	102	—	—
CH-D105-3D	10.5	55	12	45	102	—	—
CH-D106-3D	10.6	55	12	45	102	—	—
CH-D107-3D	10.7	55	12	45	102	—	—
CH-D108-3D	10.8	55	12	45	102	—	—
CH-D109-3D	10.9	55	12	45	102	1/2-13UNC	—
CH-D110-3D	11.0	55	12	45	102	M12x1	—
CH-D111-3D	11.1	55	12	45	102	—	—
CH-D112-3D	11.2	55	12	45	102	—	M12x1.75
CH-D113-3D	11.3	55	12	45	102	—	—
CH-D114-3D	11.4	55	12	45	102	—	—
CH-D115-3D	11.5	55	12	45	102	1/2-20UNF	—
CH-D116-3D	11.6	55	12	45	102	—	—
CH-D117-3D	11.7	55	12	45	102	—	—
CH-D118-3D	11.8	55	12	45	102	1/2-28UNEF	—
CH-D119-3D	11.9	55	12	45	102	—	—
CH-D120-3D	12.0	55	12	45	102	M14x2	—

◎Standard Drill Bit without Internal Cooling

CH...3D

Solid Carbide Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

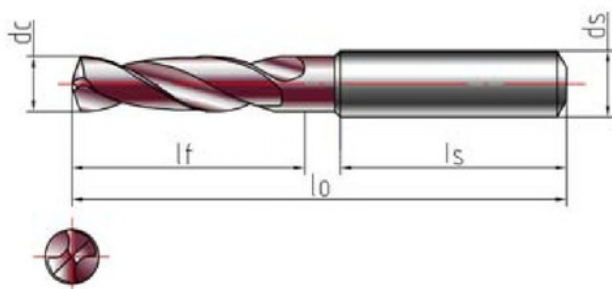
◎ Drilling depth: $3 \times D$ (diameter); Primary Cutting Edge Angle: 140°

Model	Dimension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D121-3D	12.1	60	14	45	107	—	—
CH-D122-3D	12.2	60	14	45	107	9/16-12UNC	—
CH-D123-3D	12.3	60	14	45	107	—	—
CH-D124-3D	12.4	60	14	45	107	—	—
CH-D125-3D	12.5	60	14	45	107	M14x1.5	—
CH-D126-3D	12.6	60	14	45	107	—	—
CH-D127-3D	12.7	60	14	45	107	—	—
CH-D128-3D	12.8	60	14	45	107	—	—
CH-D129-3D	12.9	60	14	45	107	9/16-18UNF	—
CH-D130-3D	13.0	60	14	45	107	M14x1	M14x2
CH-D131-3D	13.1	60	14	45	107	—	—
CH-D132-3D	13.2	60	14	45	107	9/16-24UNEF	—
CH-D133-3D	13.3	60	14	45	107	—	—
CH-D134-3D	13.4	60	14	45	107	—	—
CH-D135-3D	13.5	60	14	45	107	—	—
CH-D136-3D	13.6	60	14	45	107	5/8-11UNC	—
CH-D137-3D	13.7	60	14	45	107	—	—
CH-D138-3D	13.8	60	14	45	107	—	—
CH-D139-3D	13.9	60	14	45	107	—	—
CH-D140-3D	14.0	60	14	45	107	M16x2	—
CH-D141-3D	14.1	65	16	48	115	—	—
CH-D142-3D	14.2	65	16	48	115	—	—
CH-D143-3D	14.3	65	16	48	115	—	—

◎ Standard Drill Bit without Internal Cooling

CH...3D

Solid Carbide Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

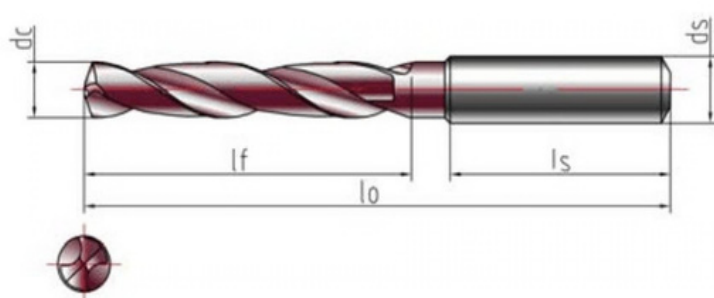
◎Drilling depth: 3xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D144-3D	14.4	65	16	48	115	—	—
CH-D145-3D	14.5	65	16	48	115	M16x1.5	—
CH-D145-3D	14.5	65	16	48	115	5/8-18UNF	—
CH-D146-3D	14.6	65	16	48	115	—	—
CH-D147-3D	14.7	65	16	48	115	—	—
CH-D148-3D	14.8	65	16	48	115	5/8-24UNEF	—
CH-D149-3D	14.9	65	16	48	115	—	—
CH-D150-3D	15.0	65	16	48	115	M16x1	M16x2
CH-D151-3D	15.1	65	16	48	115	—	—
CH-D152-3D	15.2	65	16	48	115	—	—
CH-D153-3D	15.3	65	16	48	115	—	—
CH-D154-3D	15.4	65	16	48	115	—	—
CH-D155-3D	15.5	65	16	48	115	M18x2.5	—
CH-D156-3D	15.6	65	16	48	115	—	—
CH-D157-3D	15.7	65	16	48	115	—	—
CH-D158-3D	15.8	65	16	48	115	—	—
CH-D159-3D	15.9	65	16	48	115	—	—
CH-D160-3D	16.0	65	16	48	115	M18x2	—

◎Standard Drill Bit without Internal Cooling

CH...5D

Solid Carbide Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

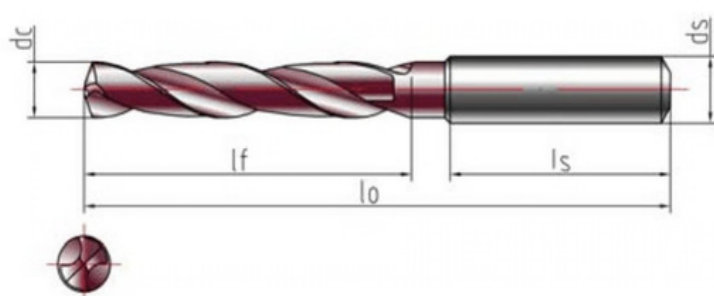
◎Drilling depth: 5xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D033-5D	3.3	28	6	36	66	M4×0.7	—
CH-D034-5D	3.4	28	6	36	66	No.8-32UNC	—
CH-D035-5D	3.5	28	6	36	66	M4×0.5 No.8-36UNF	—
CH-D036-5D	3.6	28	6	36	66	—	—
CH-D037-5D	3.7	28	6	36	66	—	M4×0.7
CH-D038-5D	3.8	36	6	36	74	—	M4×0.5
CH-D039-5D	3.9	36	6	36	74	No.10-24UNC	—
CH-D040-5D	4.0	36	6	36	74	—	—
CH-D041-5D	4.1	36	6	36	74	No.10-32UNF	—
CH-D042-5D	4.2	36	6	36	74	M5×0.8	—
CH-D043-5D	4.3	36	6	36	74	—	—
CH-D044-5D	4.4	36	6	36	74	—	—
CH-D045-5D	4.5	36	6	36	74	M5×0.5 No.12-24UNC	—
CH-D046-5D	4.6	36	6	36	74	No.12-28UNF	M5×0.8
CH-D047-5D	4.7	36	6	36	74	No.12-32UNEF	—
CH-D048-5D	4.8	44	6	36	82	—	—
CH-D049-5D	4.9	44	6	36	82	—	—
CH-D050-5D	5.0	44	6	36	82	M6×1	—
CH-D051-5D	5.1	44	6	36	82	1/4-20UNC	—
CH-D052-5D	5.2	44	6	36	82	—	—
CH-D053-5D	5.3	44	6	36	82	M6×0.75	—

◎Standard Drill Bit without Internal Cooling

CH...5D

Solid Carbide Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

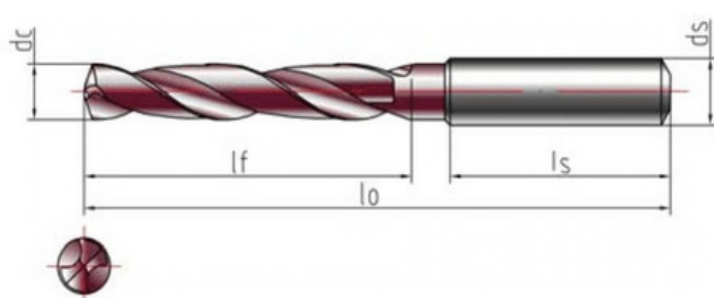
◎Drilling depth: 5xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D054-5D	5.4	44	6	36	82	—	—
CH-D055-5D	5.5	44	6	36	82	1/4-28UNF	M6×1
CH-D056-5D	5.6	44	6	36	82	1/4-32UNEF	—
CH-D057-5D	5.7	44	6	36	82	—	—
CH-D058-5D	5.8	44	6	36	82	—	—
CH-D059-5D	5.9	44	6	36	82	—	—
CH-D060-5D	6.0	44	6	36	82	—	—
CH-D061-5D	6.1	53	8	36	91	—	—
CH-D062-5D	6.2	53	8	36	91	—	—
CH-D063-5D	6.3	53	8	36	91	—	—
CH-D064-5D	6.4	53	8	36	91	—	—
CH-D065-5D	6.5	53	8	36	91	—	—
CH-D066-5D	6.6	53	8	36	91	5/16-18UNC	—
CH-D067-5D	6.7	53	8	36	91	—	—
CH-D068-5D	6.8	53	8	36	91	M8×1.25	—
CH-D069-5D	6.9	53	8	36	91	5/16-24UNEF	—
CH-D070-5D	7.0	53	8	36	91	M8×1	—
CH-D071-5D	7.1	53	8	36	91	5/16-32UNEF	—
CH-D072-5D	7.2	53	8	36	91	—	—
CH-D073-5D	7.3	53	8	36	91	M8×0.75	—
CH-D074-5D	7.4	53	8	36	91	—	M8×1.25
CH-D075-5D	7.5	53	8	36	91	—	—
CH-D076-5D	7.6	53	8	36	91	—	—

◎Standard Drill Bit without Internal Cooling

CH...5D

Solid Carbide Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

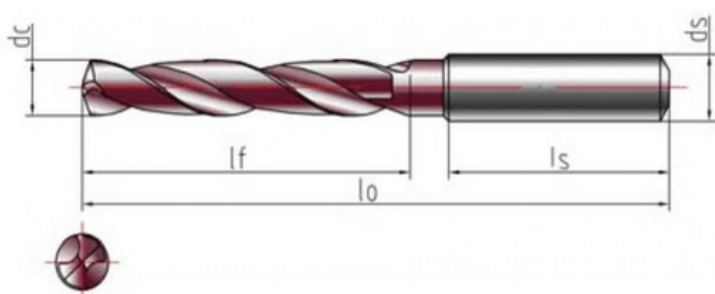
◎Drilling depth: 5xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D077-5D	7.7	53	8	36	91	—	—
CH-D078-5D	7.8	53	8	36	91	—	—
CH-D079-5D	7.9	53	8	36	91	—	—
CH-D080-5D	8.0	53	8	36	91	3/8-16UNC	—
CH-D081-5D	8.1	61	10	40	103	—	—
CH-D082-5D	8.2	61	10	40	103	—	—
CH-D083-5D	8.3	61	10	40	103	—	—
CH-D084-5D	8.4	61	10	40	103	—	—
CH-D085-5D	8.5	61	10	40	103	M10×1.5 3/8-24UNF	—
CH-D086-5D	8.6	61	10	40	103	—	—
CH-D087-5D	8.7	61	10	40	103	3/8-32UNEF	—
CH-D088-5D	8.8	61	10	40	103	M10×1.25	—
CH-D089-5D	8.9	61	10	40	103	—	—
CH-D090-5D	9.0	61	10	40	103	M10×1	—
CH-D091-5D	9.1	61	10	40	103	—	—
CH-D092-5D	9.2	61	10	40	103	—	—
CH-D093-5D	9.3	61	10	40	103	M10×0.75	M10×1.5
CH-D094-5D	9.4	61	10	40	103	7/16-14UNC	—
CH-D095-5D	9.5	61	10	40	103	—	—
CH-D096-5D	9.6	61	10	40	103	—	—
CH-D097-5D	9.7	61	10	40	103	—	—
CH-D098-5D	9.8	61	10	40	103	—	—
CH-D099-5D	9.9	61	10	40	103	7/16-20UNF	—

◎Standard Drill Bit without Internal Cooling

CH...5D

Solid Carbide Twist Drill



Features:

·Suitable for machining common materials such as structural steel, alloy steel, and stainless steel. ·Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality. ·Ideal for machining applications with excellent system rigidity.

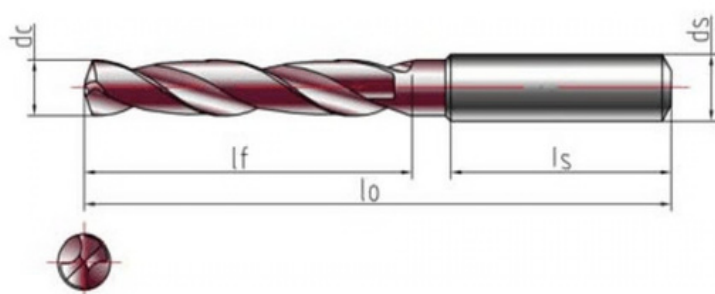
◎Drilling depth: 5xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D100-5D	10.0	61	10	40	103	—	—
CH-D101-5D	10.1	71	12	45	118	—	—
CH-D102-5D	10.2	71	12	45	118	7/16-28UNEF	—
CH-D103-5D	10.3	71	12	45	118	M12×1.75	—
CH-D104-5D	10.4	71	12	45	118	—	—
CH-D105-5D	10.5	71	12	45	118	—	—
CH-D106-5D	10.6	71	12	45	118	—	—
CH-D107-5D	10.7	71	12	45	118	—	—
CH-D108-5D	10.8	71	12	45	118	—	—
CH-D109-5D	10.9	71	12	45	118	1/2-13UNC	—
CH-D110-5D	11.0	71	12	45	118	M12×1	—
CH-D111-5D	11.1	71	12	45	118	—	—
CH-D112-5D	11.2	71	12	45	118	—	M12×1.75
CH-D113-5D	11.3	71	12	45	118	—	—
CH-D114-5D	11.4	71	12	45	118	—	—
CH-D115-5D	11.5	71	12	45	118	1/2-20UNF	—
CH-D116-5D	11.6	71	12	45	118	—	—
CH-D117-5D	11.7	71	12	45	118	—	—
CH-D118-5D	11.8	71	12	45	118	1/2-28UNEF	—
CH-D119-5D	11.9	71	12	45	118	—	—
CH-D120-5D	12.0	71	12	45	118	M14×2	—
CH-D121-5D	12.1	77	14	45	124	—	—
CH-D122-5D	12.2	77	14	45	124	9/16-12UNC	—

◎Standard Drill Bit without Internal Cooling

CH...5D

Solid Carbide Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

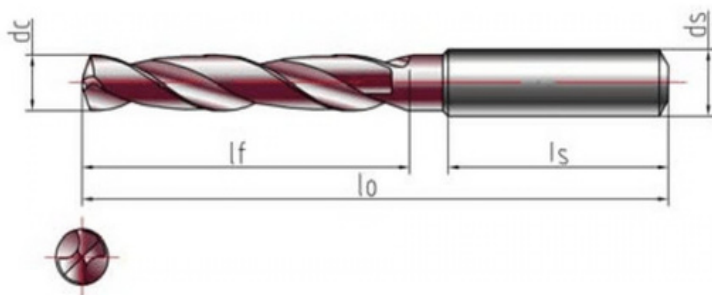
◎ Drilling depth: 5xD(diameter); Primary Cutting Edge Angle: 140°

Model	Dimension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D123-5D	12.3	77	14	45	124	—	—
CH-D124-5D	12.4	77	14	45	124	—	—
CH-D125-5D	12.5	77	14	45	124	M14×1.5	—
CH-D126-5D	12.6	77	14	45	124	—	—
CH-D127-5D	12.7	77	14	45	124	—	—
CH-D128-5D	12.8	77	14	45	124	—	—
CH-D129-5D	12.9	77	14	45	124	9/16-18UNF	—
CH-D130-5D	13.0	77	14	45	124	M14×1	M14×2
CH-D131-5D	13.1	77	14	45	124	—	—
CH-D132-5D	13.2	77	14	45	124	9/16-24UNEF	—
CH-D133-5D	13.3	77	14	45	124	—	—
CH-D134-5D	13.4	77	14	45	124	—	—
CH-D135-5D	13.5	77	14	45	124	—	—
CH-D136-5D	13.6	77	14	45	124	5/8-11UNC	—
CH-D137-5D	13.7	77	14	45	124	—	—
CH-D138-5D	13.8	77	14	45	124	—	—
CH-D139-5D	13.9	77	14	45	124	—	—
CH-D140-5D	14.0	77	14	45	124	M16×2	—
CH-D141-5D	14.1	83	16	48	133	—	—
CH-D142-5D	14.2	83	16	48	133	—	—
CH-D143-5D	14.3	83	16	48	133	—	—
CH-D144-5D	14.4	83	16	48	133	—	—
CH-D145-5D	14.5	83	16	48	133	M16×1.5	—
CH-D145-5D	14.5	83	16	48	133	5/8-18UNF	—

◎ Standard Drill Bit without Internal Cooling

CH...5D

Solid Carbide Twist Drill



Features:

·Suitable for machining common materials such as structural steel, alloy steel, and stainless steel. ·Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality. ·Ideal for machining applications with excellent system rigidity.

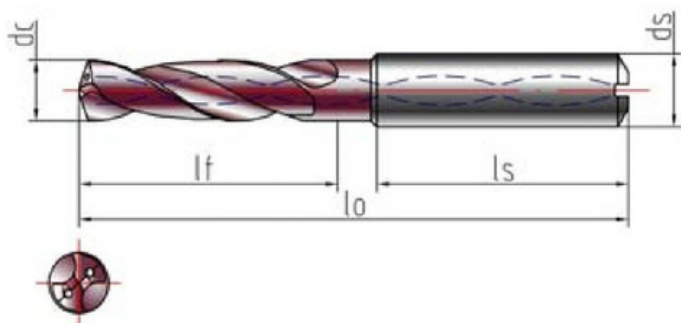
◎Drilling depth: 5xD(diameter)); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D146-5D	14.6	83	16	48	133	—	—
CH-D147-5D	14.7	83	16	48	133	—	—
CH-D148-5D	14.8	83	16	48	133	5/8-24UNEF	—
CH-D149-5D	14.9	83	16	48	133	—	—
CH-D150-5D	15.0	83	16	48	133	M16×1	M16×2
CH-D151-5D	15.1	83	16	48	133	—	—
CH-D152-5D	15.2	83	16	48	133	—	—
CH-D153-5D	15.3	83	16	48	133	—	—
CH-D154-5D	15.4	83	16	48	133	—	—
CH-D155-5D	15.5	83	16	48	133	M18×2.5	—
CH-D156-5D	15.6	83	16	48	133	—	—
CH-D157-5D	15.7	83	16	48	133	—	—
CH-D158-5D	15.8	83	16	48	133	—	—
CH-D159-5D	15.9	83	16	48	133	—	—
CH-D160-5D	16.0	83	16	48	133	M18×2	—

◎Standard Drill Bit without Internal Cooling

CH...3D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

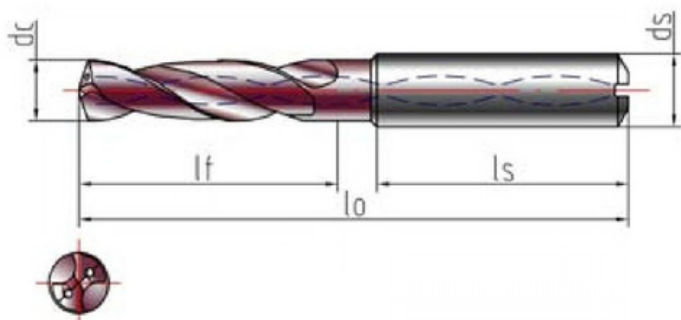
◎Drilling depth: 3xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D033-3D-C	3.3	20	4	28	54	M4x0.7	—
CH-D034-3D-C	3.4	20	4	28	54	NO.8-32UNC	—
CH-D035-3D-C	3.5	20	4	28	54	M4x0.5 NO.8-36UNC	—
CH-D036-3D-C	3.6	20	4	28	54	—	—
CH-D037-3D-C	3.7	20	4	28	54	—	M4x0.7
CH-D038-3D-C	3.8	24	4	28	58	—	M4x0.5
CH-D039-3D-C	3.9	24	4	28	58	NO.10-24UNC	—
CH-D040-3D-C	4.0	24	4	28	58	—	—
CH-D041-3D-C	4.1	24	6	36	66	NO.10-32UNF	—
CH-D042-3D-C	4.2	24	6	36	66	M5x0.8	—
CH-D043-3D-C	4.3	24	6	36	66	—	—
CH-D044-3D-C	4.4	24	6	36	66	—	—
CH-D045-3D-C	4.5	24	6	36	66	M5x0.5 NO.12-24UNC	—
CH-D046-3D-C	4.6	24	6	36	66	NO.12-28UNF	M5x0.8
CH-D047-3D-C	4.7	24	6	36	66	NO.12-32UNEF	—
CH-D048-3D-C	4.8	28	6	36	66	—	—
CH-D049-3D-C	4.9	28	6	36	66	—	—
CH-D050-3D-C	5.0	28	6	36	66	M6x1	—
CH-D051-3D-C	5.1	28	6	36	66	1/4-20UNC	—
CH-D052-3D-C	5.2	28	6	36	66	—	—
CH-D053-3D-C	5.3	28	6	36	66	M6x0.75	—

◎Standard Drill Bit with Internal Cooling

CH...3D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

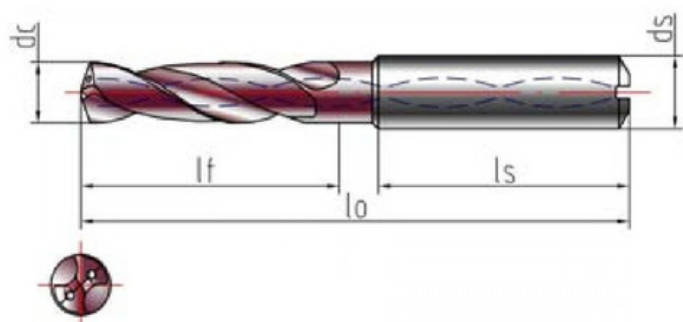
◎Drilling depth: 3xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D054-3D-C	5.4	28	6	36	66	—	—
CH-D055-3D-C	5.5	28	6	36	66	1/4-28UNF	M6x1
CH-D056-3D-C	5.6	28	6	36	66	1/4-32UNEF	—
CH-D057-3D-C	5.7	28	6	36	66	—	—
CH-D058-3D-C	5.8	28	6	36	66	—	—
CH-D059-3D-C	5.9	28	6	36	66	—	—
CH-D060-3D-C	6.0	28	6	36	66	—	—
CH-D061-3D-C	6.1	34	8	36	79	—	—
CH-D062-3D-C	6.2	34	8	36	79	—	—
CH-D063-3D-C	6.3	34	8	36	79	—	—
CH-D064-3D-C	6.4	34	8	36	79	—	—
CH-D065-3D-C	6.5	34	8	36	79	—	—
CH-D066-3D-C	6.6	34	8	36	79	5/16-18UNC	—
CH-D067-3D-C	6.7	34	8	36	79	—	—
CH-D068-3D-C	6.8	34	8	36	79	M8x1.25	—
CH-D069-3D-C	6.9	34	8	36	79	5/16-24UNF	—
CH-D070-3D-C	7.0	34	8	36	79	M8x1	—
CH-D071-3D-C	7.1	41	8	36	79	5/16-32UNEF	—
CH-D072-3D-C	7.2	41	8	36	79	—	—
CH-D073-3D-C	7.3	41	8	36	79	M8x0.75	—
CH-D074-3D-C	7.4	41	8	36	79	—	M8x1.25
CH-D075-3D-C	7.5	41	8	36	79	—	—

◎Standard Drill Bit with Internal Cooling

CH...3D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

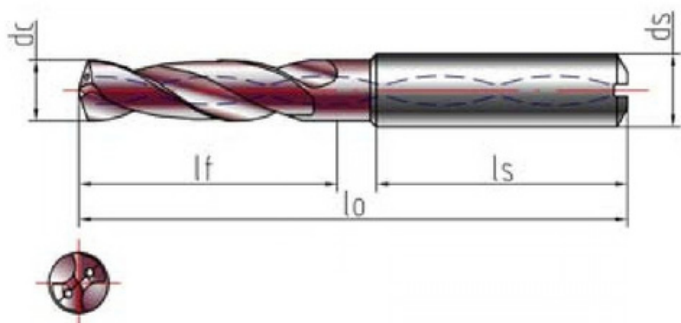
◎ Drilling depth: 3xD(diameter); Primary Cutting Edge Angle: 140°

Model	Dimension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D076-3D-C	7.6	41	8	36	79	—	—
CH-D077-3D-C	7.7	41	8	36	79	—	—
CH-D078-3D-C	7.8	41	8	36	79	—	—
CH-D079-3D-C	7.9	41	8	36	79	—	—
CH-D080-3D-C	8.0	41	8	36	79	3/8-16UNC	—
CH-D081-3D-C	8.1	47	10	40	89	—	—
CH-D082-3D-C	8.2	47	10	40	89	—	—
CH-D083-3D-C	8.3	47	10	40	89	—	—
CH-D084-3D-C	8.4	47	10	40	89	—	—
CH-D085-3D-C	8.5	47	10	40	89	M10x1.5 3/8-24UNF	—
CH-D086-3D-C	8.6	47	10	40	89	—	—
CH-D087-3D-C	8.7	47	10	40	89	3/8-32UNEF	—
CH-D088-3D-C	8.8	47	10	40	89	M10x1.25	—
CH-D089-3D-C	8.9	47	10	40	89	—	—
CH-D090-3D-C	9.0	47	10	40	89	M10x1	—
CH-D091-3D-C	9.1	47	10	40	89	—	—
CH-D092-3D-C	9.2	47	10	40	89	—	—
CH-D093-3D-C	9.3	47	10	40	89	M10x0.75	M10x1.5
CH-D094-3D-C	9.4	47	10	40	89	7/16-14UNC	—
CH-D095-3D-C	9.5	47	10	40	89	—	—
CH-D097-3D-C	9.7	47	10	40	89	—	—
CH-D098-3D-C	9.8	47	10	40	89	—	—

◎ Standard Drill Bit with Internal Cooling

CH...3D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

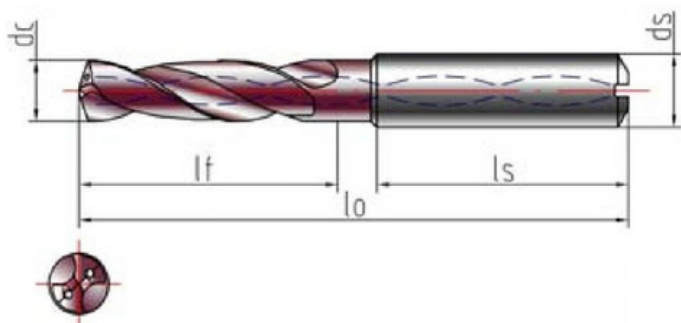
◎Drilling depth: 3xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D099-3D-C	9.9	47	10	40	89	7/16-20UNF	—
CH-D100-3D-C	10.0	47	10	40	89	—	—
CH-D101-3D-C	10.1	55	12	45	102	—	—
CH-D102-3D-C	10.2	55	12	45	102	7/16-28UNEF	—
CH-D103-3D-C	10.3	55	12	45	102	M12x1.75	—
CH-D104-3D-C	10.4	55	12	45	102	—	—
CH-D105-3D-C	10.5	55	12	45	102	—	—
CH-D106-3D-C	10.6	55	12	45	102	—	—
CH-D107-3D-C	10.7	55	12	45	102	—	—
CH-D108-3D-C	10.8	55	12	45	102	—	—
CH-D109-3D-C	10.9	55	12	45	102	1/2-13UNC	—
CH-D110-3D-C	11.0	55	12	45	102	M12x1	—
CH-D111-3D-C	11.1	55	12	45	102	—	—
CH-D112-3D-C	11.2	55	12	45	102	—	M12x1.75
CH-D113-3D-C	11.3	55	12	45	102	—	—
CH-D114-3D-C	11.4	55	12	45	102	—	—
CH-D115-3D-C	11.5	55	12	45	102	1/2-20UNF	—
CH-D116-3D-C	11.6	55	12	45	102	—	—
CH-D117-3D-C	11.7	55	12	45	102	—	—
CH-D118-3D-C	11.8	55	12	45	102	1/2-28UNEF	—
CH-D119-3D-C	11.9	55	12	45	102	—	—
CH-D120-3D-C	12.0	55	12	45	102	M14x2	—

◎Standard Drill Bit with Internal Cooling

CH...3D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

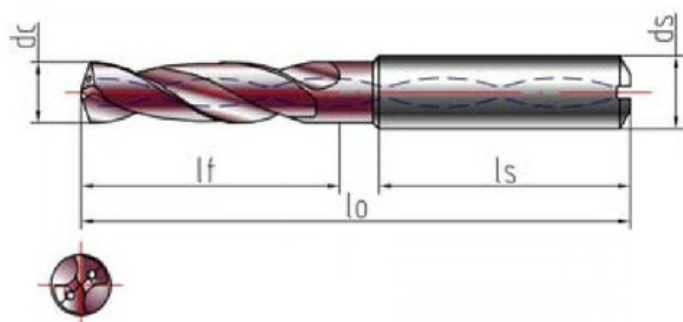
◎Drilling depth: 3xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D121-3D-C	12.1	60	14	45	107	—	—
CH-D122-3D-C	12.2	60	14	45	107	9/16-12UNC	—
CH-D123-3D-C	12.3	60	14	45	107	—	—
CH-D124-3D-C	12.4	60	14	45	107	—	—
CH-D125-3D-C	12.5	60	14	45	107	M14x1.5	—
CH-D126-3D-C	12.6	60	14	45	107	—	—
CH-D127-3D-C	12.7	60	14	45	107	—	—
CH-D128-3D-C	12.8	60	14	45	107	—	—
CH-D129-3D-C	12.9	60	14	45	107	9/16-18UNF	—
CH-D130-3D-C	13.0	60	14	45	107	M14x1	M14x2
CH-D131-3D-C	13.1	60	14	45	107	—	—
CH-D132-3D-C	13.2	60	14	45	107	9/16-24UNEF	—
CH-D133-3D-C	13.3	60	14	45	107	—	—
CH-D134-3D-C	13.4	60	14	45	107	—	—
CH-D135-3D-C	13.5	60	14	45	107	—	—
CH-D136-3D-C	13.6	60	14	45	107	5/8-11UNC	—
CH-D137-3D-C	13.7	60	14	45	107	—	—
CH-D138-3D-C	13.8	60	14	45	107	—	—
CH-D139-3D-C	13.9	60	14	45	107	—	—
CH-D140-3D-C	14.0	60	14	45	107	M16x2	—
CH-D141-3D-C	14.1	65	16	48	115	—	—
CH-D142-3D-C	14.2	65	16	48	115	—	—
CH-D143-3D-C	14.3	65	16	48	115	—	—

◎Standard Drill Bit with Internal Cooling

CH...3D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

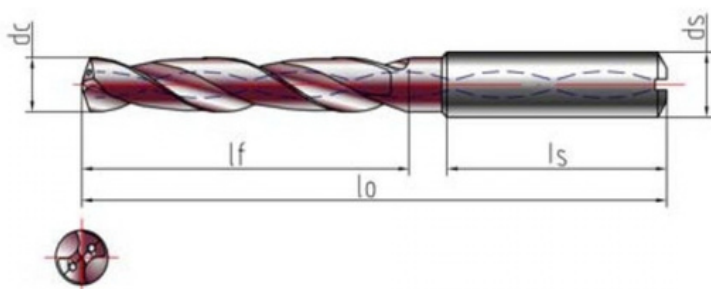
◎Drilling depth: 3xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D144-3D-C	14.4	65	16	48	115	—	—
CH-D145-3D-C	14.5	65	16	48	115	M16x1.5	—
CH-D145-3D-C	14.5	65	16	48	115	5/8-18UNF	—
CH-D146-3D-C	14.6	65	16	48	115	—	—
CH-D147-3D-C	14.7	65	16	48	115	—	—
CH-D148-3D-C	14.8	65	16	48	115	5/8-24UNEF	—
CH-D149-3D-C	14.9	65	16	48	115	—	—
CH-D150-3D-C	15.0	65	16	48	115	M16x1	M16x2
CH-D151-3D-C	15.1	65	16	48	115	—	—
CH-D152-3D-C	15.2	65	16	48	115	—	—
CH-D153-3D-C	15.3	65	16	48	115	—	—
CH-D154-3D-C	15.4	65	16	48	115	—	—
CH-D155-3D-C	15.5	65	16	48	115	M18x2.5	—
CH-D156-3D-C	15.6	65	16	48	115	—	—
CH-D157-3D-C	15.7	65	16	48	115	—	—
CH-D158-3D-C	15.8	65	16	48	115	—	—
CH-D159-3D-C	15.9	65	16	48	115	—	—
CH-D160-3D-C	16.0	65	16	48	115	M18x2	—

◎Standard Drill Bit with Internal Cooling

CH...5D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

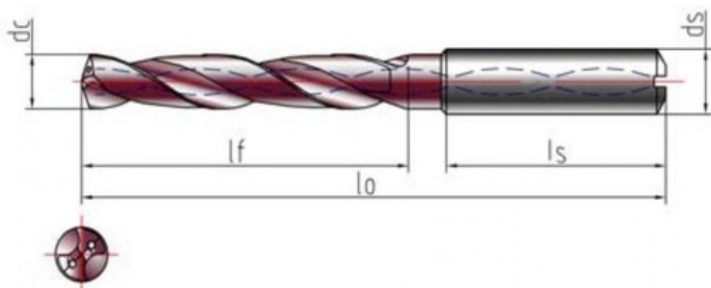
◎Drilling depth: 5xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D033-5D-C	3.3	28	4	28	58	M4×0.7	—
CH-D034-5D-C	3.4	28	4	28	58	No.8-32UNC	—
CH-D035-5D-C	3.5	28	4	28	58	M4×0.5 No.8-36UNF	—
CH-D036-5D-C	3.6	28	4	28	58	—	—
CH-D037-5D-C	3.7	28	4	28	58	—	M4×0.7
CH-D038-5D-C	3.8	36	4	28	66	—	M4×0.5
CH-D039-5D-C	3.9	36	4	28	66	No.10-24UNC	—
CH-D040-5D-C	4.0	36	4	28	66	—	—
CH-D041-5D-C	4.1	36	6	36	74	No.10-32UNF	—
CH-D042-5D-C	4.2	36	6	36	74	M5×0.8	—
CH-D043-5D-C	4.3	36	6	36	74	—	—
CH-D044-5D-C	4.4	36	6	36	74	—	—
CH-D045-5D-C	4.5	36	6	36	74	M5×0.5 No.12-24UNC	—
CH-D046-5D-C	4.6	36	6	36	74	No.12-28UNF	M5×0.8
CH-D047-5D-C	4.7	36	6	36	74	No.12-32UNEF	—
CH-D048-5D-C	4.8	44	6	36	82	—	—
CH-D049-5D-C	4.9	44	6	36	82	—	—
CH-D050-5D-C	5.0	44	6	36	82	M6×1	—
CH-D051-5D-C	5.1	44	6	36	82	1/4-20UNC	—
CH-D052-5D-C	5.2	44	6	36	82	—	—
CH-D053-5D-C	5.3	44	6	36	82	M6×0.75	—

◎Standard Drill Bit with Internal Cooling

CH...5D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

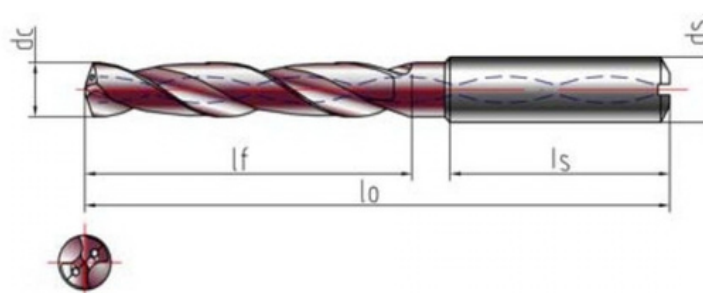
◎ Drilling depth: 5xD(diameter); Primary Cutting Edge Angle: 140°

Model	Dimension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D054-5D-C	5.4	44	6	36	82	—	—
CH-D055-5D-C	5.5	44	6	36	82	1/4-28UNF	M6×1
CH-D056-5D-C	5.6	44	6	36	82	1/4-32UNEF	—
CH-D057-5D-C	5.7	44	6	36	82	—	—
CH-D058-5D-C	5.8	44	6	36	82	—	—
CH-D059-5D-C	5.9	44	6	36	82	—	—
CH-D060-5D-C	6.0	44	6	36	82	—	—
CH-D061-5D-C	6.1	53	8	36	91	—	—
CH-D062-5D-C	6.2	53	8	36	91	—	—
CH-D063-5D-C	6.3	53	8	36	91	—	—
CH-D064-5D-C	6.4	53	8	36	91	—	—
CH-D065-5D-C	6.5	53	8	36	91	—	—
CH-D066-5D-C	6.6	53	8	36	91	5/16-18UNC	—
CH-D067-5D-C	6.7	53	8	36	91	—	—
CH-D068-5D-C	6.8	53	8	36	91	M8×1.25	—
CH-D069-5D-C	6.9	53	8	36	91	5/16-24UNEF	—
CH-D070-5D-C	7.0	53	8	36	91	M8×1	—
CH-D071-5D-C	7.1	53	8	36	91	5/16-32UNEF	—
CH-D072-5D-C	7.2	53	8	36	91	—	—
CH-D073-5D-C	7.3	53	8	36	91	M8×0.75	—
CH-D074-5D-C	7.4	53	8	36	91	—	M8×1.25
CH-D075-5D-C	7.5	53	8	36	91	—	—
CH-D076-5D-C	7.6	53	8	36	91	—	—

◎ Standard Drill Bit with Internal Cooling

CH...5D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

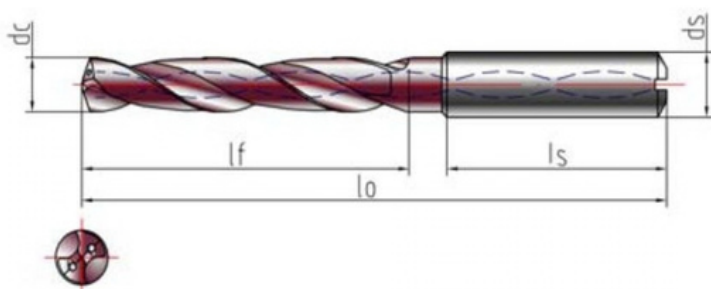
◎ Drilling depth: 5xD(diameter); Primary Cutting Edge Angle: 140°

Model	Dimension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D077-5D-C	7.7	53	8	36	91	—	—
CH-D078-5D-C	7.8	53	8	36	91	—	—
CH-D079-5D-C	7.9	53	8	36	91	—	—
CH-D080-5D-C	8.0	53	8	36	91	3/8-16UNC	—
CH-D081-5D-C	8.1	61	10	40	103	—	—
CH-D082-5D-C	8.2	61	10	40	103	—	—
CH-D083-5D-C	8.3	61	10	40	103	—	—
CH-D084-5D-C	8.4	61	10	40	103	—	—
CH-D085-5D-C	8.5	61	10	40	103	M10×1.5 3/8-24UNF	—
CH-D086-5D-C	8.6	61	10	40	103	—	—
CH-D087-5D-C	8.7	61	10	40	103	3/8-32UNEF	—
CH-D088-5D-C	8.8	61	10	40	103	M10×1.25	—
CH-D089-5D-C	8.9	61	10	40	103	—	—
CH-D090-5D-C	9.0	61	10	40	103	M10×1	—
CH-D091-5D-C	9.1	61	10	40	103	—	—
CH-D092-5D-C	9.2	61	10	40	103	—	—
CH-D093-5D-C	9.3	61	10	40	103	M10×0.75	M10×1.5
CH-D094-5D-C	9.4	61	10	40	103	7/16-14UNC	—
CH-D095-5D-C	9.5	61	10	40	103	—	—
CH-D096-5D-C	9.6	61	10	40	103	—	—
CH-D097-5D-C	9.7	61	10	40	103	—	—
CH-D098-5D-C	9.8	61	10	40	103	—	—
CH-D099-5D-C	9.9	61	10	40	103	7/16-20UNF	—

◎ Standard Drill Bit with Internal Cooling

CH...5D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

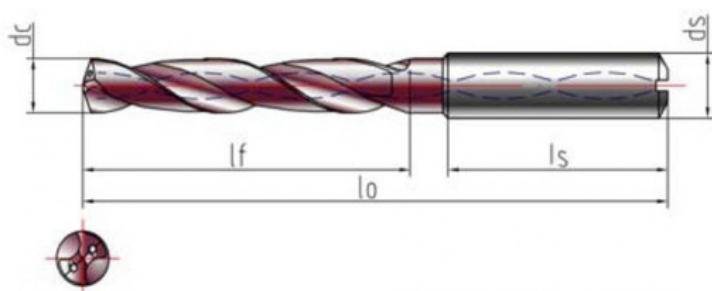
©Drilling depth: 5xD(diameter); Primary Cutting Edge Angle: 140°

Model	Dimension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D100-5D-C	10.0	61	10	40	103	—	—
CH-D101-5D-C	10.1	71	12	45	118	—	—
CH-D102-5D-C	10.2	71	12	45	118	7/16-28UNEF	—
CH-D103-5D-C	10.3	71	12	45	118	M12×1.75	—
CH-D104-5D-C	10.4	71	12	45	118	—	—
CH-D105-5D-C	10.5	71	12	45	118	—	—
CH-D106-5D-C	10.6	71	12	45	118	—	—
CH-D107-5D-C	10.7	71	12	45	118	—	—
CH-D108-5D-C	10.8	71	12	45	118	—	—
CH-D109-5D-C	10.9	71	12	45	118	1/2-13UNC	—
CH-D110-5D-C	11.0	71	12	45	118	M12×1	—
CH-D111-5D-C	11.1	71	12	45	118	—	—
CH-D112-5D-C	11.2	71	12	45	118	—	M12×1.75
CH-D113-5D-C	11.3	71	12	45	118	—	—
CH-D114-5D-C	11.4	71	12	45	118	—	—
CH-D115-5D-C	11.5	71	12	45	118	1/2-20UNF	—
CH-D116-5D-C	11.6	71	12	45	118	—	—
CH-D117-5D-C	11.7	71	12	45	118	—	—
CH-D118-5D-C	11.8	71	12	45	118	1/2-28UNEF	—
CH-D119-5D-C	11.9	71	12	45	118	—	—
CH-D120-5D-C	12.0	71	12	45	118	M14×2	—
CH-D121-5D-C	12.1	77	14	45	124	—	—
CH-D122-5D-C	12.2	77	14	45	124	9/16-12UNC	—

©Standard Drill Bit with Internal Cooling

CH...5D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

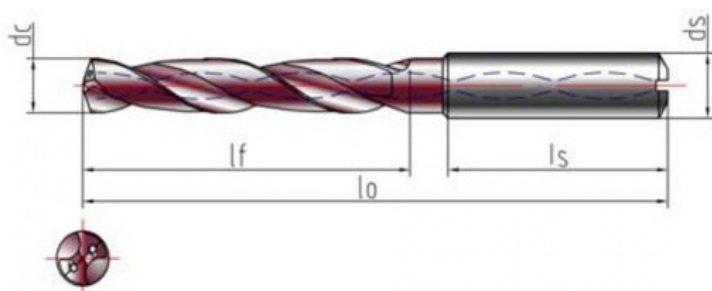
◎Drilling depth: 5xD(diameter); Primary Cutting Edge Angle: 140°

Model	Di mension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D123-5D-C	12.3	77	14	45	124	—	—
CH-D124-5D-C	12.4	77	14	45	124	—	—
CH-D125-5D-C	12.5	77	14	45	124	M14×1.5	—
CH-D126-5D-C	12.6	77	14	45	124	—	—
CH-D127-5D-C	12.7	77	14	45	124	—	—
CH-D128-5D-C	12.8	77	14	45	124	—	—
CH-D129-5D-C	12.9	77	14	45	124	9/16-18UNF	—
CH-D130-5D-C	13.0	77	14	45	124	M14×1	M14×2
CH-D131-5D-C	13.1	77	14	45	124	—	—
CH-D132-5D-C	13.2	77	14	45	124	9/16-24UNEF	—
CH-D133-5D-C	13.3	77	14	45	124	—	—
CH-D134-5D-C	13.4	77	14	45	124	—	—
CH-D135-5D-C	13.5	77	14	45	124	—	—
CH-D136-5D-C	13.6	77	14	45	124	5/8-11UNC	—
CH-D137-5D-C	13.7	77	14	45	124	—	—
CH-D138-5D-C	13.8	77	14	45	124	—	—
CH-D139-5D-C	13.9	77	14	45	124	—	—
CH-D140-5D-C	14.0	77	14	45	124	M16×2	—
CH-D141-5D-C	14.1	83	16	48	133	—	—
CH-D142-5D-C	14.2	83	16	48	133	—	—
CH-D143-5D-C	14.3	83	16	48	133	—	—
CH-D144-5D-C	14.4	83	16	48	133	—	—
CH-D145-5D-C	14.5	83	16	48	133	M16×1.5	—
CH-D145-5D-C	14.5	83	16	48	133	5/8-18UNF	—

◎Standard Drill Bit with Internal Cooling

CH...5D-C

Solid Carbide Internal Cooling Twist Drill



Features:

- Suitable for machining common materials such as structural steel, alloy steel, and stainless steel.
- Strong centering capabilities, allowing for stable dimensional accuracy and good surface quality.
- Ideal for machining applications with excellent system rigidity.

◎Drilling depth: 5xD(diameter); Primary Cutting Edge Angle: 140°

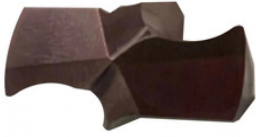
Model	Dimension (mm)					Threaded Bottom Hole	
	dc	lf	ds	ls	lo	Cutting Tap	Forming Tap
CH-D146-5D-C	14.6	83	16	48	133	—	—
CH-D147-5D-C	14.7	83	16	48	133	—	—
CH-D148-5D-C	14.8	83	16	48	133	5/8-24UNEF	—
CH-D149-5D-C	14.9	83	16	48	133	—	—
CH-D150-5D-C	15.0	83	16	48	133	M16×1	M16×2
CH-D151-5D-C	15.1	83	16	48	133	—	—
CH-D152-5D-C	15.2	83	16	48	133	—	—
CH-D153-5D-C	15.3	83	16	48	133	—	—
CH-D154-5D-C	15.4	83	16	48	133	—	—
CH-D155-5D-C	15.5	83	16	48	133	M18×2.5	—
CH-D156-5D-C	15.6	83	16	48	133	—	—
CH-D157-5D-C	15.7	83	16	48	133	—	—
CH-D158-5D-C	15.8	83	16	48	133	—	—
CH-D159-5D-C	15.9	83	16	48	133	—	—
CH-D160-5D-C	16.0	83	16	48	133	M18×2	—

◎Standard Drill Bit with Internal Cooling

CDH

Drill Head

Chip-breaker Description

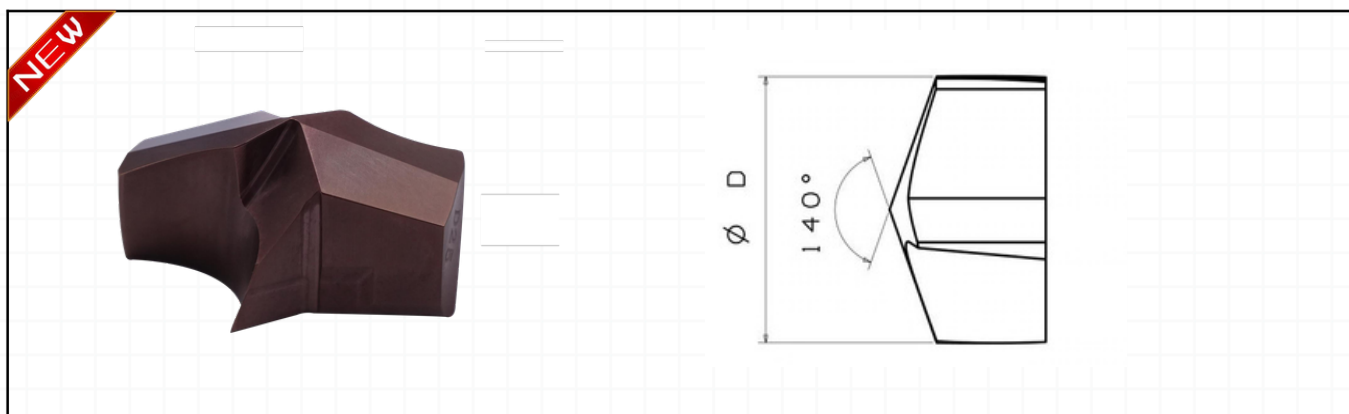
Code		Intro
RC		RC : Low cutting force, good centering performance. Enhanced edge, high anti-chipping edge, excellent chip control ability, effectively prolong the tool life.
SE		SE: The head has a self-setting core and strong SE type cross edge to avoid core hardening to improve feed rate. The inverted edge has excellent chip control and long tool life, even in long chip material processing. Suitable for processing steel, stainless steel, cast iron.

Grade Description

Grade Code	Intro
CT5520	Adopt a kind of fine grain hard alloy material and PVD composite coating with TiAlN matrix. It has high wear-resistance and can be used at extremely high cutting speed parameters under stable operating conditions.
CT8420	The cutting edge is especially suitable for processing alloy steel and high alloy steel.
CT5420	The cutting edge can be used as an alternative for machining cast iron materials.

CDH-RC

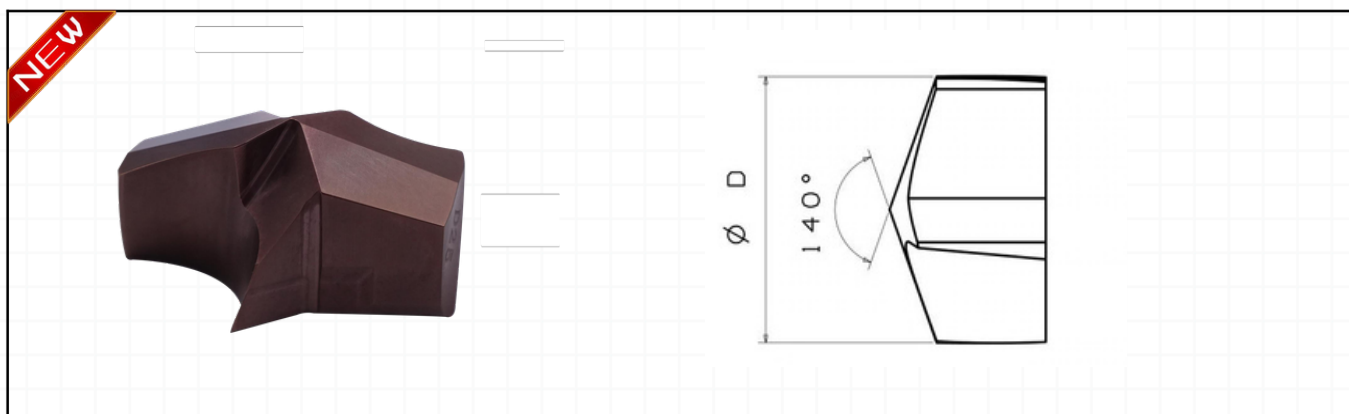
HEAD CHANGABLE DRILL INSERTS



Model	Dimension (mm)			Tolerance-K7 (In metric)
	D		Seat Size	
	mm	In		
CDH1250RC	12.50	0.4921	C	+0.001 /+0.019
CDH1300RC	13.00	0.5118	C	
CDH1350RC	13.50	0.531	C	
CDH1351RC	13.51	0.5319	B	
CDH1400RC	14.00	0.5512	B	
CDH1450RC	14.50	0.5709	B	
CDH1451RC	14.51	0.5713	A	
CDH1500RC	15.00	0.5906	A	
CDH1550RC	15.50	0.6102	A	
CDH1600RC	16.00	0.6299	1	
CDH1650RC	16.50	0.6496	1	
CDH1700RC	17.00	0.6693	1	
CDH1750RC	17.50	0.689	1	
CDH1800RC	18.00	0.7087	1	
CDH1801RC	18.01	0.7087	2	
CDH1850RC	18.50	0.7283	2	
CDH1900RC	19.00	0.748	2	
CDH1950RC	19.50	0.7677	2	
CDH2000RC	20.00	0.7874	3	
CDH2050RC	20.50	0.8071	3	
CDH2100RC	21.00	0.8268	3	
CDH2150RC	21.50	0.8460	3	
CDH2200RC	22.00	0.8661	3	
CDH2201RC	22.01	0.8665	4	

CDH-RC

HEAD CHANGABLE DRILL INSERTS

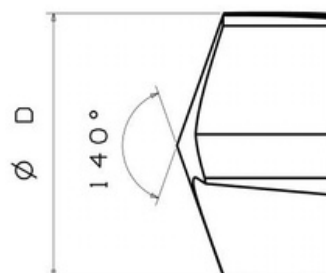


Model	Dimension (mm)			Tolerance-K7 (In metric)
	D		Seat Size	
	mm	In		
CDH2250RC	22.50	0.8858	4	+0.002 /+0.023
CDH2300RC	23.00	0.9055	4	
CDH2350RC	23.50	0.9252	4	
CDH2400RC	24.00	0.9449	4	
CDH2401RC	24.01	0.9453	5	
CDH2450RC	24.50	0.9646	5	
CDH2500RC	25.00	0.9843	5	
CDH2550RC	25.50	1.0039	5	
CDH2600RC	26.00	1.0236	5	
CDH2601RC	26.01	1.0240	6	
CDH2650RC	26.50	1.0433	6	
CDH2700RC	27.00	1.0630	6	
CDH2750RC	27.50	1.0827	6	
CDH2800RC	28.00	1.1024	6	
CDH2801RC	28.016	1.1030	7	
CDH2850RC	28.50	1.1220	7	
CDH2900RC	29.00	1.1417	7	
CDH2950RC	29.50	1.1614	7	
CDH3000RC	30.00	1.1811	7	
CDH3001RC	30.01	1.1815	8	
CDH3050RC	30.50	1.2008	8	
CDH3100RC	31.00	1.2205	8	
CDH3150RC	31.50	1.2402	8	
CDH3200RC	32.00	1.2598	8	

CDH-SE

HEAD CHANGABLE DRILL INSERTS

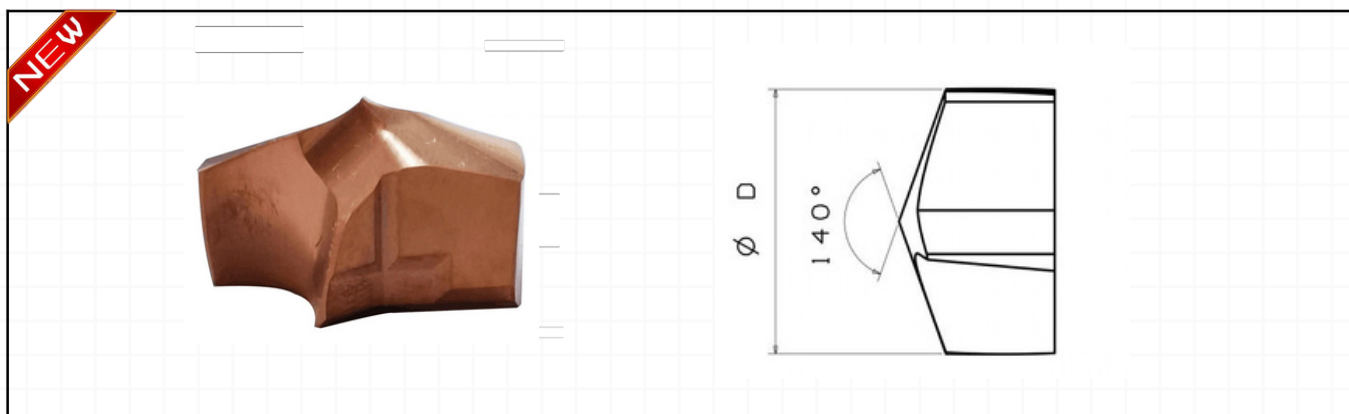
NEW



Model	Dimension (mm)			Tolerance-K7 (In metric)
	D		Seat Size	
	mm	In		
CDH1250SE	12.50	0.4921	C	+0.001 /+0.019
CDH1300SE	13.00	0.5118	C	
CDH1350SE	13.50	0.531	C	
CDH1351SE	13.51	0.5319	B	
CDH1400SE	14.00	0.5512	B	
CDH1450SE	14.50	0.5709	B	
CDH1451SE	14.51	0.5713	A	
CDH1500SE	15.00	0.5906	A	
CDH1550SE	15.50	0.6102	A	
CDH1600SE	16.00	0.6299	1	
CDH1650SE	16.50	0.6496	1	
CDH1700SE	17.00	0.6693	1	
CDH1750SE	17.50	0.689	1	
CDH1800SE	18.00	0.7087	1	
CDH1801SE	18.01	0.7087	2	
CDH1850SE	18.50	0.7283	2	
CDH1900SE	19.00	0.748	2	
CDH1950SE	19.50	0.7677	2	
CDH2000SE	20.00	0.7874	3	
CDH2050SE	20.50	0.8071	3	
CDH2100SE	21.00	0.8268	3	
CDH2150SE	21.50	0.8460	3	
CDH2200SE	22.00	0.8661	3	
CDH2201SE	22.01	0.8665	4	

CDH-SE

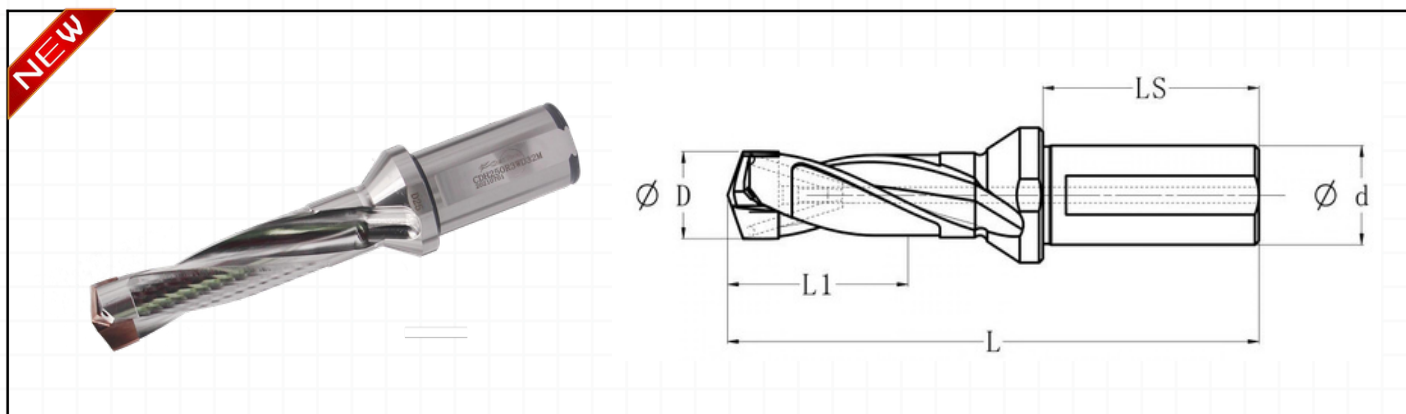
HEAD CHANGABLE DRILL INSERTS



Model	Dimension (mm)			Tolerance-K7 (In metric)
	D		Seat Size	
	mm	In		
CDH2250SE	22.50	0.8858	4	+0.002 /+0.023
CDH2300SE	23.00	0.9055	4	
CDH2350SE	23.50	0.9252	4	
CDH2400SE	24.00	0.9449	4	
CDH2401SE	24.01	0.9453	5	
CDH2450SE	24.50	0.9646	5	
CDH2500SE	25.00	0.9843	5	
CDH2550SE	25.50	1.0039	5	
CDH2600SE	26.00	1.0236	5	
CDH2601SE	26.01	1.0240	6	
CDH2650SE	26.50	1.0433	6	
CDH2700SE	27.00	1.0630	6	
CDH2750SE	27.50	1.0827	6	
CDH2800SE	28.00	1.1024	6	
CDH2801SE	28.016	1.1030	7	
CDH2850SE	28.50	1.1220	7	
CDH2900SE	29.00	1.1417	7	
CDH2950SE	29.50	1.1614	7	
CDH3000SE	30.00	1.1811	7	
CDH3001SE	30.01	1.1815	8	
CDH3050SE	30.50	1.2008	8	
CDH3100SE	31.00	1.2205	8	
CDH3150SE	31.50	1.2402	8	
CDH3200SE	32.00	1.2598	8	

CDH-R1.5

HEAD CHANGABLE DRILL HOLDER



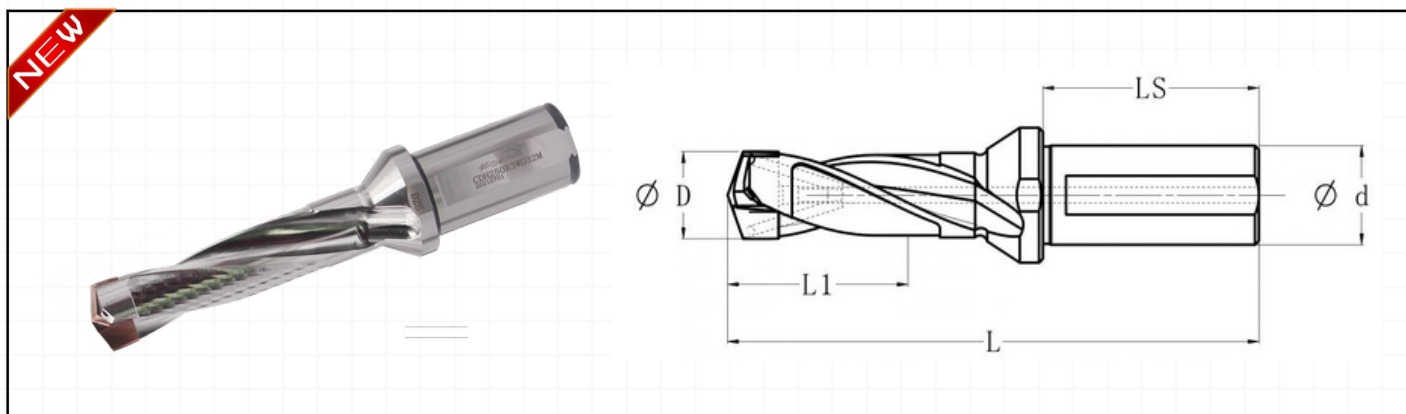
•CDH • 1.5 x D • Metric

Model	Dimension (mm)								
	D		Dmax		L1	LS	d	L	Seat Size
	mm	in	mm	in					
1.5 x D									
CDH100R1.5WD16M	10.000	0.3937	10.500	0.4133	15	45	16	85	c
CDH140R1.5WD16M	14.000	0.5511	14.500	0.5708	21	45	16	81	B
CDH150R1.5WD20M	15.000	0.5905	15.500	0.6102	22.5	50	20	85	A
CDH160R1.5WD20M	16.000	0.6299	16.500	0.6496	24	50	20	104	1
CDH170R1.5WD20M	17.000	0.6692	17.500	0.7142	25.5	50	20	106.5	2
CDH190R1.5WD25M	19.000	0.7480	19.500	0.7677	28.5	56	25	120	3
CDH200R1.5WD25M	20.000	0.7874	20.500	0.8070	30	56	25	123	4
CDH210R1.5WD25M	21.000	0.8267	21.500	0.8464	31.5	56	25	126	5
CDH220R1.5WD25M	22.000	0.8979	22.500	0.8858	33	56	25	129	6
CDH250R1.5WD32M	25.000	0.9842	25.500	1.0039	37.5	60	32	142	7
CDH260R1.5WD32M	26.000	1.0236	26.500	1.0433	39	60	32	145	8

- Standard product has the inner coolant holes.
- Tool bodies must match the corresponding seat size inserts.
- Inserts must be ordered separately.
- For information on compatible screw wrenches, see page C61; for usage instructions, see page C62.

CDH-R3/R5

HEAD CHANGABLE DRILL HOLDER



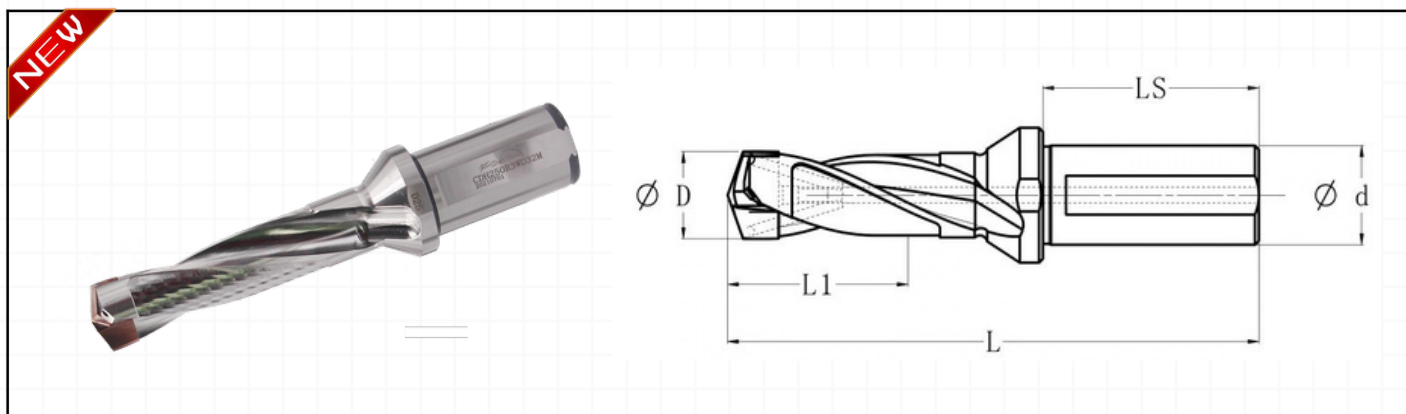
• CDH • 3 x D / 5 x D • Metric

Model	Model	Dimension (mm)								
		D		Dmax		L1		LS	d	Seat Size
3 x D	5 x D	mm	in	mm	in	3XD	5XD			
CDH125R3WD16M	CDH125R5WD16M	12.500	0.4921	13.000	0.5118	42	70	48	16	C
CDH130R3WD16M	CDH130R5WD16M	13.000	0.5118	13.500	0.5314	42	70	48	16	C
CDH135R3WD16M	CDH135R5WD16M	13.500	0.5315	13.500	0.5314	42	70	48	16	C
CDH136R3WD16M	CDH136R5WD16M	13.510	0.5319	14.000	0.5512	42	70	48	16	B
CDH140R3WD16M	CDH140R5WD16M	14.000	0.5512	14.500	0.5708	42	70	48	16	B
CDH145R3WD20M	CDH145R5WD20M	14.500	0.5709	14.500	0.5708	48	80	50	20	B
CDH146R3WD20M	CDH146R5WD20M	14.510	0.5713	15.000	0.5906	48	80	50	20	A
CDH150R3WD20M	CDH150R5WD20M	15.000	0.5906	15.500	0.6102	48	80	50	20	A
CDH155R3WD20M	CDH155R5WD20M	15.500	0.6102	15.874	0.6249	48	80	50	20	A
CDH160R3WD20M	CDH160R5WD20M	16.000	0.6299	16.500	0.6496	48	80	50	20	1
CDH165R3WD20M	CDH165R5WD20M	16.500	0.6496	17.000	0.6693	54	90	50	20	1
CDH170R3WD20M	CDH170R5WD20M	17.000	0.6693	17.500	0.6890	54	90	50	20	1
CDH175R3WD20M	CDH175R5WD20M	17.500	0.6890	18.000	0.7086	54	90	50	20	1
CDH180R3WD20M	CDH180R5WD20M	18.000	0.7087	18.000	0.7086	54	90	50	20	1
—	CDH181R5WD25M	18.010	0.7091	18.500	0.7283	—	100	56	25	2
CDH185R3WD25M	CDH185R5WD25M	18.500	0.7283	19.000	0.7480	60	100	56	25	2
CDH190R3WD25M	CDH190R5WD25M	19.000	0.7480	19.500	0.7677	60	100	56	25	2
CDH195R3WD25M	CDH195R5WD25M	19.500	0.7677	19.999	0.7873	60	100	56	25	2
CDH200R3WD25M	CDH200R5WD25M	20.000	0.7874	20.500	0.8071	60	100	56	25	3
CDH205R3WD25M	CDH205R5WD25M	20.500	0.8071	21.000	0.8268	66	110	56	25	3
CDH210R3WD25M	CDH210R5WD25M	21.000	0.8268	21.500	0.8465	66	110	56	25	3
CDH215R3WD25M	CDH215R5WD25M	21.500	0.8465	22.000	0.8661	66	110	56	25	3
CDH220R3WD25M	CDH220R5WD25M	22.000	0.8661	22.000	0.8661	66	110	56	25	3
—	CDH221R5WD25M	22.010	0.8665	22.500	0.8858	—	120	56	25	4

- Tool bodies must match the corresponding seat size inserts. , Inserts must be ordered separately.
- For information on compatible screw wrenches, see page C61; for usage instructions, see page C62.
- Standard product has the inner coolant holes.

CDH-R3/R5

HEAD CHANGABLE DRILL HOLDER



• CDH • 3 x D / 5 x D • Metric

Model	Model	Dimension (mm)								
		D		Dmax		L1		LS	d	Seat Size
3 x D	5 x D	mm	in	mm	in	3XD	5XD			
CDH225R3WD25M	CDH225R5WD25M	22.500	0.8858	23.000	0.9055	72	120	56	25	4
CDH230R3WD25M	CDH230R5WD25M	23.000	0.9055	23.500	0.9252	72	120	56	25	4
CDH235R3WD25M	CDH235R5WD25M	23.500	0.9252	24.000	0.9448	72	120	56	25	4
CDH240R3WD25M	CDH240R5WD25M	24.000	0.9449	24.000	0.9448	72	120	56	25	4
—	CDH241R5WD32M	24.010	0.9453	24.500	0.9646	—	130	60	32	5
CDH245R3WD32M	CDH245R5WD32M	24.500	0.9646	25.000	0.9843	78	130	60	32	5
CDH250R3WD32M	CDH250R5WD32M	25.000	0.9843	25.500	1.0039	78	130	60	32	5
CDH255R3WD32M	CDH255R5WD32M	25.500	1.0039	26.000	1.0236	78	130	60	32	5
CDH260R3WD32M	CDH260R5WD32M	26.000	1.0236	26.000	1.0236	78	130	60	32	5
—	CDH261R5WD32M	26.010	1.0240	26.500	1.0433	—	140	60	32	6
CDH265R3WD32M	CDH265R5WD32M	26.500	1.0433	27.000	1.0630	84	140	60	32	6
CDH270R3WD32M	CDH270R5WD32M	27.000	1.0630	27.500	1.0827	84	140	60	32	6
CDH275R3WD32M	CDH275R5WD32M	27.500	1.0827	28.000	1.1023	84	140	60	32	6
CDH280R3WD32M	CDH280R5WD32M	28.000	1.1024	28.000	1.1023	84	140	60	32	6
—	CDH281R5WD32M	28.016	1.1030	28.500	1.1220	—	150	60	32	7
CDH285R3WD32M	CDH285R5WD32M	28.500	1.1220	29.000	1.1417	90	150	60	32	7
CDH290R3WD32M	CDH290R5WD32M	29.000	1.1417	29.500	1.1614	90	150	60	32	7
CDH295R3WD32M	CDH295R5WD32M	29.500	1.1614	30.000	1.1811	90	150	60	32	7
CDH300R3WD32M	CDH300R5WD32M	30.000	1.1811	30.000	1.1811	90	150	60	32	7
—	CDH301R5WD32M	30.010	1.1815	30.500	1.2008	—	160	60	32	8
CDH305R3WD32M	CDH305R5WD32M	30.500	1.2008	31.000	1.2205	96	160	60	32	8
CDH310R3WD32M	CDH310R5WD32M	31.000	1.2205	31.500	1.2402	96	160	60	32	8
CDH315R3WD32M	CDH315R5WD32M	31.500	1.2402	32.000	1.2598	96	160	60	32	8
CDH320R3WD32M	CDH320R5WD32M	32.000	1.2598	32.000	1.2598	96	160	60	32	8

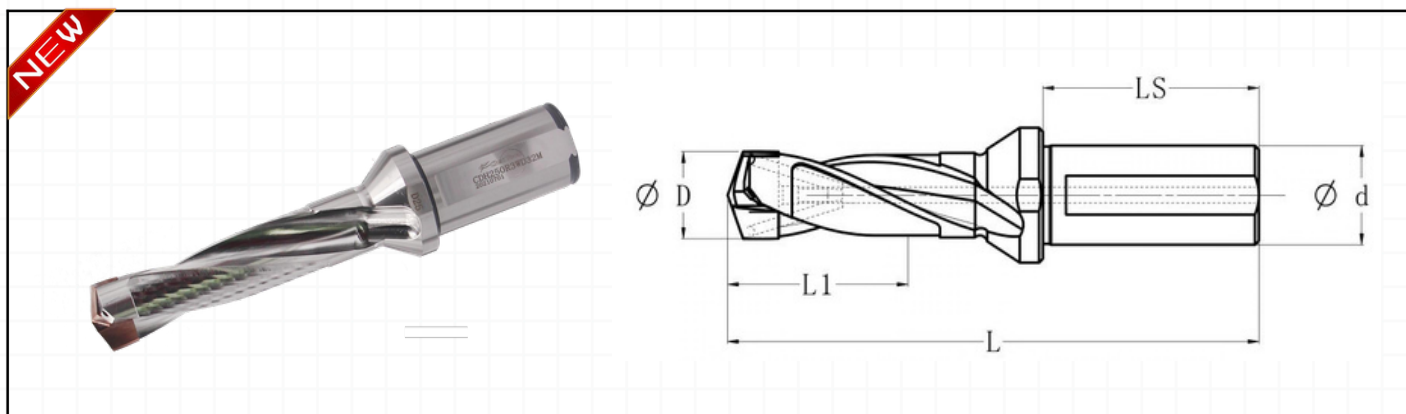
• Standard product has the inner coolant holes.

• Tool bodies must match the corresponding seat size inserts., Inserts must be ordered separately.

• For information on compatible screw wrenches, see page C61; for usage instructions, see page C62.

CDH-R7/R10

HEAD CHANGABLE DRILL HOLDER



•CDH •7 x D /10 x D • Metric

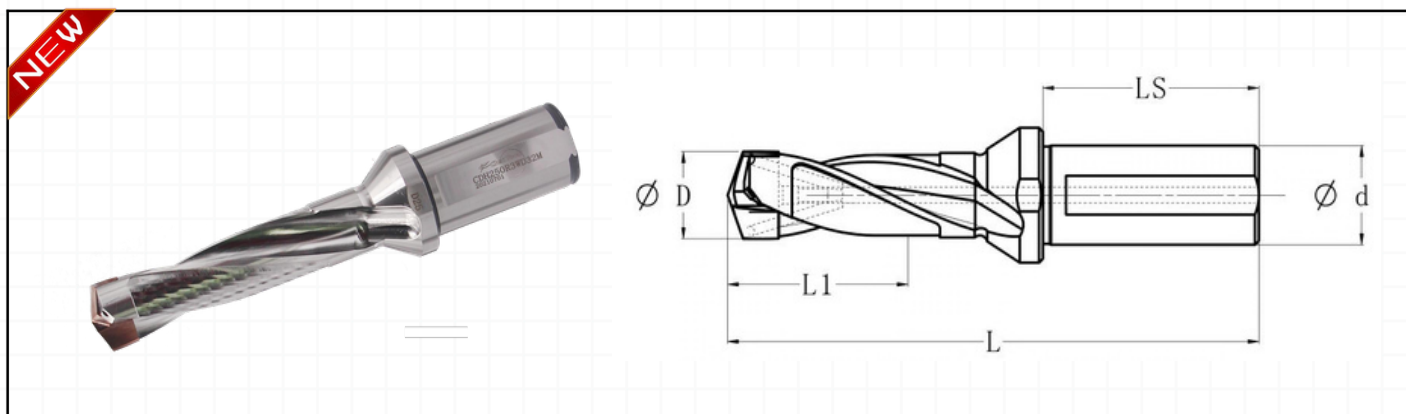
Model		Dimension (mm)								
		D		Dmax		L1		LS	d	Seat Size
7xD	10xD	mm	in	mm	in	7XD	10XD			
CDH125R7WD16M	CDH125R10WD16M	12.500	0.4921	13.000	0.5118	98	125	48	16	C
CDH130R7WD16M	CDH130R10WD16M	13.000	0.5118	13.500	0.5314	98	130	48	16	C
CDH135R7WD16M	CDH135R10WD16M	13.500	0.5315	13.500	0.5314	98	135	48	16	C
CDH136R7WD16M	CDH136R10WD16M	13.510	0.5319	14.000	0.5512	98	135	48	16	B
CDH140R7WD16M	CDH140R10WD16M	14.000	0.5512	14.500	0.5708	98	140	48	16	B
CDH145R7WD20M	CDH145R10WD20M	14.500	0.5709	14.500	0.5708	112	145	50	20	B
CDH146R7WD20M	CDH146R10WD20M	14.510	0.5713	15.000	0.5906	112	145	50	20	A
CDH150R7WD20M	CDH150R10WD20M	15.000	0.5906	15.500	0.6102	112	150	50	20	A
CDH155R7WD20M	CDH155R10WD20M	15.500	0.6102	15.874	0.6249	112	155	50	20	A
CDH160R7WD20M	CDH160R10WD20M	16.000	0.6299	16.500	0.6496	112	160	50	20	1
CDH165R7WD20M	CDH165R10WD20M	16.500	0.6496	17.000	0.6693	126	165	50	20	1
CDH170R7WD20M	CDH170R10WD20M	17.000	0.6693	17.500	0.6890	126	170	50	20	1
CDH175R7WD20M	CDH175R10WD20M	17.500	0.6890	18.000	0.7086	126	175	50	20	1
CDH180R7WD20M	CDH180R10WD20M	18.000	0.7087	18.000	0.7086	126	180	50	20	1
—	CDH181R10WD25M	18.010	0.7091	18.500	0.7283	—	185	56	25	2
CDH185R7WD25M	CDH185R10WD25M	18.500	0.7283	19.000	0.7480	140	185	56	25	2
CDH190R7WD25M	CDH190R10WD25M	19.000	0.7480	19.500	0.7677	140	190	56	25	2
CDH195R7WD25M	CDH195R10WD25M	19.500	0.7677	19.999	0.7873	140	195	56	25	2
CDH200R7WD25M	CDH200R10WD25M	20.000	0.7874	20.500	0.8071	140	200	56	25	3
CDH205R7WD25M	CDH205R10WD25M	20.500	0.8071	21.000	0.8268	154	205	56	25	3
CDH210R7WD25M	CDH210R10WD25M	21.000	0.8268	21.500	0.8465	154	210	56	25	3
CDH215R7WD25M	CDH215R10WD25M	21.500	0.8465	22.000	0.8661	154	215	56	25	3
CDH220R7WD25M	CDH220R10WD25M	22.000	0.8661	22.000	0.8661	154	220	56	25	3
—	CDH221R10WD25M	22.010	0.8665	22.500	0.8858	—	225	56	25	4

•Standard product has the inner coolant holes.

•Tool bodies must match the corresponding seat size inserts., Inserts must be ordered separately. •For information on compatible screw wrenches, see page C61; for usage instructions, see page C62.

CDH-R7/R10

HEAD CHANGABLE DRILL HOLDER



• CDH • 7 x D / 10 x D • Metric

Model	Model	Dimension (mm)								
		D		Dmax		L1		LS	d	Seat Size
7 x D	10 x D	mm	in	mm	in	7XD	10XD			
CDH225R7WD25M	CDH225R10WD25M	22.500	0.8858	23.000	0.9055	168	225	56	25	4
CDH230R7WD25M	CDH230R10WD25M	23.000	0.9055	23.500	0.9252	168	230	56	25	4
CDH235R7WD25M	CDH235R10WD25M	23.500	0.9252	24.000	0.9448	168	235	56	25	4
CDH240R7WD25M	CDH240R10WD25M	24.000	0.9449	24.000	0.9448	168	240	56	25	4
—	CDH241R10WD32M	24.010	0.9453	24.500	0.9646	—	245	60	32	5
CDH245R7WD32M	CDH245R10WD32M	24.500	0.9646	25.000	0.9843	182	245	60	32	5
CDH250R7WD32M	CDH250R10WD32M	25.000	0.9843	25.500	1.0039	182	250	60	32	5
CDH255R7WD32M	CDH255R10WD32M	25.500	1.0039	26.000	1.0236	182	255	60	32	5
CDH260R7WD32M	CDH260R10WD32M	26.000	1.0236	26.000	1.0236	182	260	60	32	5
—	CDH261R10WD32M	26.010	1.0240	26.500	1.0433	—	265	60	32	6
CDH265R7WD32M	CDH265R10WD32M	26.500	1.0433	27.000	1.0630	196	265	60	32	6
CDH270R7WD32M	CDH270R10WD32M	27.000	1.0630	27.500	1.0827	196	270	60	32	6
CDH275R7WD32M	CDH275R10WD32M	27.500	1.0827	28.000	1.1023	196	275	60	32	6
CDH280R7WD32M	CDH280R10WD32M	28.000	1.1024	28.000	1.1023	196	280	60	32	6
—	CDH281R10WD32M	28.016	1.1030	28.500	1.1220	—	285	60	32	7
CDH285R7WD32M	CDH285R10WD32M	28.500	1.1220	29.000	1.1417	210	285	60	32	7
CDH290R7WD32M	CDH290R10WD32M	29.000	1.1417	29.500	1.1614	211	290	60	32	7
CDH295R7WD32M	CDH295R10WD32M	29.500	1.1614	30.000	1.1811	212	295	60	32	7
CDH300R7WD32M	CDH300R10WD32M	30.000	1.1811	30.000	1.8110	213	300	60	32	7
—	CDH301R10WD32M	30.010	1.1815	30.500	1.2008	—	305	60	32	8
CDH305R7WD32M	—	30.500	1.2008	31.000	1.2205	224	—	60	32	8
CDH310R7WD32M	CDH310R10WD32M	31.000	1.2205	31.500	1.2402	224	310	60	32	8
CDH315R7WD32M	—	31.500	1.2402	32.000	1.2598	224	—	60	32	8
CDH320R7WD32M	CDH320R10WD32M	32.000	1.2598	32.000	1.2598	224	320	60	32	8

• Tool bodies must match the corresponding seat size inserts. Inserts must be ordered separately.

• Standard product has the inner coolant holes.

C60

• For information on compatible screw wrenches, see page C61; for usage instructions, see page C62.

CDH

Spare Parts

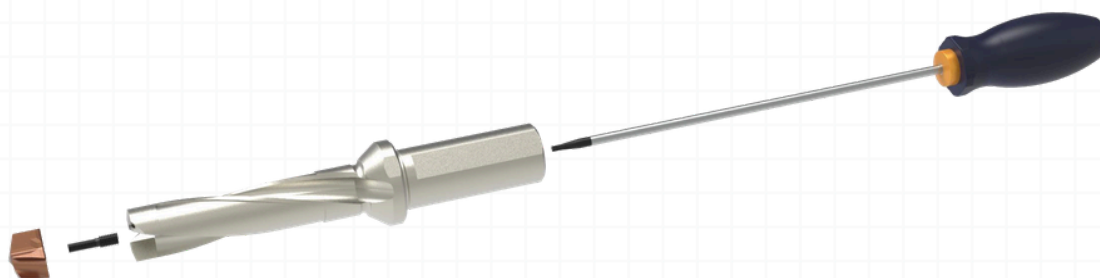
Screw



Wrench



DIA	Seat Size	Screw	Wrench (Diameter Ratio)				
			1XD	3XD	5XD	7XD	10XD
12.50 - 13.50	C	CLD02502513	CBLT5156	CBLT5156	CBLT5156	CBLT5188	CBLT5290
13.51 - 14.50	B	CLD0250316	CBLT6156	CBLT6156	CBLT6156	CBLT6188	CBLT6290
14.51 - 15.87	A	CLD0250316	CBLT6156	CBLT6156	CBLT6156	CBLT6188	CBLT6290
15.88 - 18.00	1	CLD02503516	CBL015185	CBL015185	CBL015185	CBL015225	CBL015297
18.01 - 19.99	2	CLD02503516	CBL015185	CBL015185	CBL015185	CBL015225	CBL015297
20.00 - 22.00	3	CLD030419	CBL020210	CBL020210	CBL020210	CBL020260	CBL020260
22.01 - 24.00	4	CLD030419	CBL020210	CBL020210	CBL020210	CBL020260	CBL020260
24.01 - 26.00	5	CLD040523	CBL025240	CBL025240	CBL025240	CBL025240	CBL025295
26.01 - 28.00	6	CLD040523	CBL025240	CBL025240	CBL025240	CBL025240	CBL025295
28.01 - 30.00	7	CLD050628	CBL030265	CBL030265	CBL030265	CBL030265	CBL030265
30.01 - 32.00	8	CLD050628	CBL030265	CBL030265	CBL030265	CBL030265	CBL030265

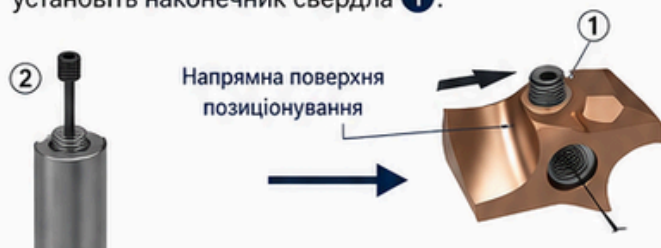


Свердло Superhard Crown Drill — Інструкція з використання



Крок 1:

- Вкрутіть задній установчий гвинт **2** у різьбовий отвір тримача до положення, коли головка гвинта буде врівень з поверхнею тримача (див. рис. 1). Потім установіть наконечник свердла **1**.



Примітка: Якщо установчий гвинт не буде врівень з тримачем під час монтажу, це може спричинити зміщення внутрішньої різьбової втулки та неможливість правильно встановити наконечник свердла.



Крок 2:

- Сумістіть наконечник свердла з напрямною поверхнею позиціонування та вставте його в паз. Вставте його в тримач інструмента, потім злегка підтягніть задній гвинт ключем, притискаючи наконечник свердла всередину, доки напрямна поверхня наконечника повністю не сяде в корпус тримача. Потім продовжуйте затягувати гвинт (див. рис. 2).



Крок 3:

- Потягніть наконечник свердла вгору, доки він повністю не стане врівень із тримачем інструмента (див. рис. 3).
- Інструмент готовий до нормальної роботи. Під час експлуатації завжди використовуйте ключ і дотримуйтесь наведених вище кроків, щоб уникнути пошкодження наконечника свердла або тримача через неправильне поводження.

- 1 Наконечник корончатого свердла
- 2 Задній установчий гвинт
- 3 Корпус корончатого свердла
- 4 Ключ

Рис. 1

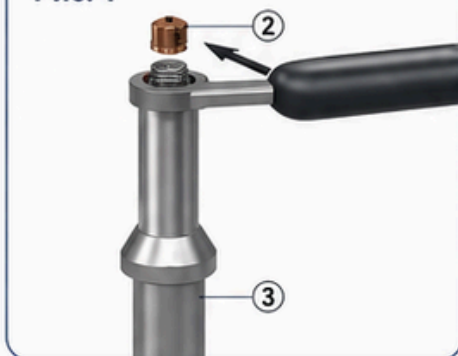


Рис. 2



Рис. 3



Рис. 1



Рис. 2



Рис. 4





Інжинірингові рішення для промислового
виробництва та металообробки

Контакти



+38 (097) 843 82 80

WhatsApp, Telegram, Viber



ltd@anster.com.ua



anster.com.ua



Сайт



WhatsApp Business

ВАШ ПАРТНЕР
У ПРОМИСЛОВОМУ РОЗВИТКУ

НАДІЙНІСТЬ | ТЕХНОЛОГІЇ | ПАРТНЕРСТВО