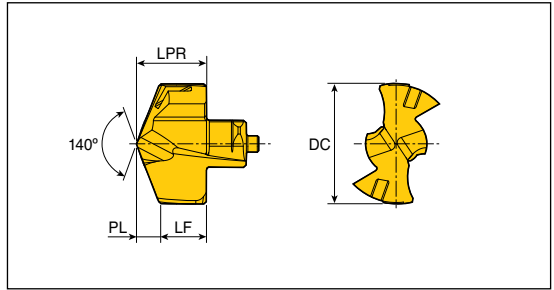


Drill heads



Designation	Dimension (mm)					Grade
	DC	LPR	PL	LF	SSC	
TCD - 060-P/M/K	6.0	4.0	0.96	3.04	6	●
061-P/M/K	6.1	4.0	0.98	3.02	6	●
062-P/M/K	6.2	4.0	1.00	3.00	6	●
063-P/M/K	6.3	4.0	1.01	2.99	6	●
064-P/M/K	6.4	4.0	1.03	2.97	6	●
065-P/M/K	6.5	4.3	1.18	3.12	6.5	●
066-P/M/K	6.6	4.3	1.20	3.10	6.5	●
067-P/M/K	6.7	4.3	1.22	3.08	6.5	●
068-P/M/K	6.8	4.3	1.23	3.07	6.5	●
069-P/M/K	6.9	4.3	1.25	3.05	6.5	●
070-P/M/K	7.0	4.6	1.01	3.59	7	●
071-P/M/K	7.1	4.6	1.03	3.57	7	●
072-P/M/K	7.2	4.6	1.05	3.55	7	●
073-P/M/K	7.3	4.6	1.06	3.54	7	●
074-P/M/K	7.4	4.6	1.08	3.52	7	●
075-P/M/K	7.5	4.6	1.10	3.50	7	●
076-P/M/K	7.6	4.6	1.12	3.48	7	●
077-P/M/K	7.7	4.6	1.14	3.46	7	●
078-P/M/K	7.8	4.6	1.16	3.44	7	●
079-P/M/K	7.9	4.6	1.17	3.43	7	●
080-P/M/K	8.0	5.4	1.20	4.20	8	●
081-P/M/K	8.1	5.4	1.22	4.18	8	●
082-P/M/K	8.2	5.4	1.24	4.16	8	●
083-P/M/K	8.3	5.4	1.25	4.15	8	●
084-P/M/K	8.4	5.4	1.27	4.13	8	●
085-P/M/K	8.5	5.4	1.29	4.11	8	●
086-P/M/K	8.6	5.4	1.31	4.09	8	●
087-P/M/K	8.7	5.4	1.33	4.07	8	●
088-P/M/K	8.8	5.4	1.35	4.05	8	●
089-P/M/K	8.9	5.4	1.36	4.04	8	●
090-P/M/K	9.0	5.8	1.35	4.45	9	●
091-P/M/K	9.1	5.8	1.37	4.43	9	●
092-P/M/K	9.2	5.8	1.39	4.41	9	●
093-P/M/K	9.3	5.8	1.40	4.40	9	●
094-P/M/K	9.4	5.8	1.42	4.38	9	●

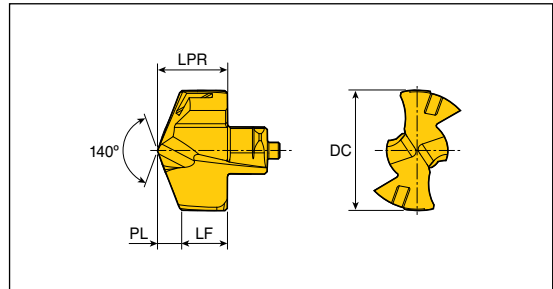


• Drill head can be ordered by an application
 Order example) Diameter 10.0mm drill head for
 ISO P application: TCD-100-P TT9080

●: Standard items

P Steel **M** Stainless steel **K** Cast iron

Drill heads



Designation	Dimension (mm)					SSC	Grade TT9080
	DC	LPR	PL	LF			
TCD - 095-P/M/K	9.5	5.8	1.44	4.36	9	●	
096-P/M/K	9.6	5.8	1.46	4.34	9	●	
097-P/M/K	9.7	5.8	1.48	4.32	9	●	
098-P/M/K	9.8	5.8	1.50	4.30	9	●	
099-P/M/K	9.9	5.8	1.51	4.29	9	●	
100-P/M/K	10.0	6.2	1.50	4.70	10	●	
101-P/M/K	10.1	6.2	1.52	4.68	10	●	
102-P/M/K	10.2	6.2	1.54	4.66	10	●	
103-P/M/K	10.3	6.2	1.55	4.65	10	●	
104-P/M/K	10.4	6.2	1.57	4.63	10	●	
105-P/M/K	10.5	6.2	1.59	4.61	10	●	
106-P/M/K	10.6	6.2	1.61	4.59	10	●	
107-P/M/K	10.7	6.2	1.63	4.57	10	●	
108-P/M/K	10.8	6.2	1.65	4.55	10	●	
109-P/M/K	10.9	6.2	1.66	4.54	10	●	
110-P/M/K	11.0	6.6	1.67	4.93	11	●	
111-P/M/K	11.1	6.6	1.69	4.91	11	●	
112-P/M/K	11.2	6.6	1.71	4.89	11	●	
113-P/M/K	11.3	6.6	1.72	4.88	11	●	
114-P/M/K	11.4	6.6	1.74	4.86	11	●	
115-P/M/K	11.5	6.6	1.76	4.84	11	●	
116-P/M/K	11.6	6.6	1.78	4.82	11	●	
117-P/M/K	11.7	6.6	1.80	4.80	11	●	
118-P/M/K	11.8	6.6	1.82	4.78	11	●	
119-P/M/K	11.9	6.6	1.83	4.77	11	●	
120-P/M/K	12.0	7.0	1.82	5.18	12	●	
121-P/M/K	12.1	7.0	1.84	5.16	12	●	
122-P/M/K	12.2	7.0	1.86	5.14	12	●	
123-P/M/K	12.3	7.0	1.87	5.13	12	●	
124-P/M/K	12.4	7.0	1.89	5.11	12	●	
125-P/M/K	12.5	7.0	1.91	5.09	12	●	
126-P/M/K	12.6	7.0	1.93	5.07	12	●	
127-P/M/K	12.7	7.0	1.95	5.05	12	●	
128-P/M/K	12.8	7.0	1.97	5.03	12	●	
129-P/M/K	12.9	7.0	1.98	5.02	12	●	

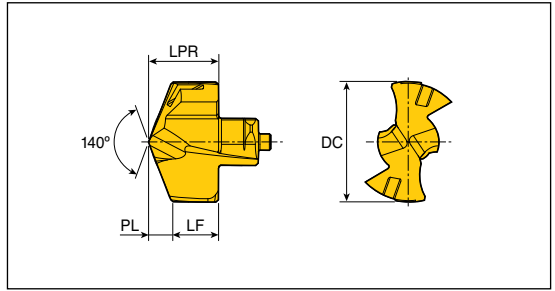


● Drill head can be ordered by an application
 Order example) Diameter 10.0mm drill head for
 ISO P application: TCD-100-P TT9080

●: Standard items

P Steel **M** Stainless steel **K** Cast iron

Drill heads



Designation	Dimension (mm)					Grade
	DC	LPR	PL	LF	SSC	
TCD - 130-P/M/K	13.0	7.6	1.96	5.64	13	●
131-P/M/K	13.1	7.6	1.98	5.62	13	●
132-P/M/K	13.2	7.6	2.00	5.60	13	●
133-P/M/K	13.3	7.6	2.01	5.59	13	●
134-P/M/K	13.4	7.6	2.03	5.57	13	●
135-P/M/K	13.5	7.6	2.05	5.55	13	●
136-P/M/K	13.6	7.6	2.07	5.53	13	●
137-P/M/K	13.7	7.6	2.09	5.51	13	●
138-P/M/K	13.8	7.6	2.11	5.49	13	●
139-P/M/K	13.9	7.6	2.12	5.48	13	●
140-P/M/K	14.0	8.1	2.12	5.98	14	●
141-P/M/K	14.1	8.1	2.14	5.96	14	●
142-P/M/K	14.2	8.1	2.16	5.94	14	●
143-P/M/K	14.3	8.1	2.17	5.93	14	●
144-P/M/K	14.4	8.1	2.19	5.91	14	●
145-P/M/K	14.5	8.1	2.21	5.89	14	●
146-P/M/K	14.6	8.1	2.23	5.87	14	●
147-P/M/K	14.7	8.1	2.25	5.85	14	●
148-P/M/K	14.8	8.1	2.27	5.83	14	●
149-P/M/K	14.9	8.1	2.28	5.82	14	●
150-P/M/K	15.0	8.7	2.27	6.43	15	●
151-P/M/K	15.1	8.7	2.29	6.41	15	●
152-P/M/K	15.2	8.7	2.31	6.39	15	●
153-P/M/K	15.3	8.7	2.32	6.38	15	●
154-P/M/K	15.4	8.7	2.34	6.36	15	●
155-P/M/K	15.5	8.7	2.36	6.34	15	●
156-P/M/K	15.6	8.7	2.38	6.32	15	●
157-P/M/K	15.7	8.7	2.40	6.30	15	●
158-P/M/K	15.8	8.7	2.42	6.28	15	●
159-P/M/K	15.9	8.7	2.43	6.27	15	●
160-P/M/K	16.0	9.3	2.42	6.88	16	●
161-P/M/K	16.1	9.3	2.44	6.86	16	●
162-P/M/K	16.2	9.3	2.46	6.84	16	●
163-P/M/K	16.3	9.3	2.47	6.83	16	●
164-P/M/K	16.4	9.3	2.49	6.81	16	●



• Drill head can be ordered by an application
 Order example) Diameter 10.0mm drill head for
 ISO P application: TCD-100-P TT9080

●: Standard items



Steel

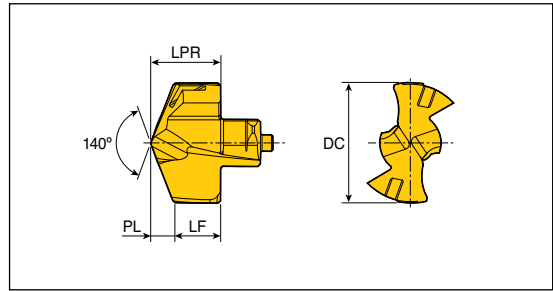


Stainless steel



Cast iron

Drill heads



Designation	Dimension (mm)					Grade
	DC	LPR	PL	LF	SSC	TT9080
TCD - 165-P/M/K	16.5	9.3	2.51	6.79	16	●
166-P/M/K	16.6	9.3	2.53	6.77	16	●
167-P/M/K	16.7	9.3	2.55	6.75	16	●
168-P/M/K	16.8	9.3	2.57	6.73	16	●
169-P/M/K	16.9	9.3	2.58	6.72	16	●
170-P/M/K	17.0	9.9	2.59	7.31	17	●
171-P/M/K	17.1	9.9	2.61	7.29	17	●
172-P/M/K	17.2	9.9	2.63	7.27	17	●
173-P/M/K	17.3	9.9	2.64	7.26	17	●
174-P/M/K	17.4	9.9	2.66	7.24	17	●
175-P/M/K	17.5	9.9	2.68	7.22	17	●
176-P/M/K	17.6	9.9	2.70	7.20	17	●
177-P/M/K	17.7	9.9	2.72	7.18	17	●
178-P/M/K	17.8	9.9	2.74	7.16	17	●
179-P/M/K	17.9	9.9	2.75	7.15	17	●
180-P/M/K	18.0	10.5	2.73	7.77	18	●
181-P/M/K	18.1	10.5	2.75	7.75	18	●
182-P/M/K	18.2	10.5	2.77	7.73	18	●
183-P/M/K	18.3	10.5	2.78	7.72	18	●
184-P/M/K	18.4	10.5	2.80	7.70	18	●
185-P/M/K	18.5	10.5	2.82	7.68	18	●
186-P/M/K	18.6	10.5	2.84	7.66	18	●
187-P/M/K	18.7	10.5	2.86	7.64	18	●
188-P/M/K	18.8	10.5	2.88	7.62	18	●
189-P/M/K	18.9	10.5	2.89	7.61	18	●
190-P/M/K	19.0	11.0	2.88	8.12	19	●
191-P/M/K	19.1	11.0	2.90	8.10	19	●
192-P/M/K	19.2	11.0	2.92	8.08	19	●
193-P/M/K	19.3	11.0	2.93	8.07	19	●
194-P/M/K	19.4	11.0	2.95	8.05	19	●
195-P/M/K	19.5	11.0	2.97	8.03	19	●
196-P/M/K	19.6	11.0	2.99	8.01	19	●
197-P/M/K	19.7	11.0	3.01	7.99	19	●
198-P/M/K	19.8	11.0	3.03	7.97	19	●
199-P/M/K	19.9	11.0	3.04	7.96	19	●

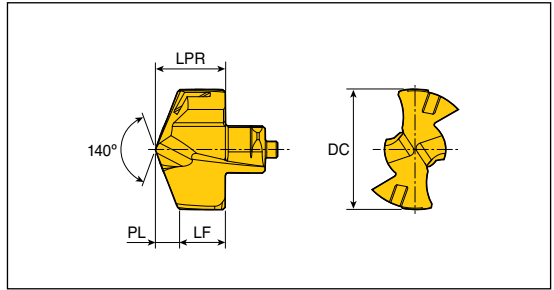


● Drill head can be ordered by an application
 Order example) Diameter 10.0mm drill head for
 ISO P application: TCD-100-P TT9080

●: Standard items

P Steel **M** Stainless steel **K** Cast iron

Drill heads



Designation	Dimension (mm)					Grade
	DC	LPR	PL	LF	SSC	
TCD - 200-P/M/K	20.0	11.6	3.02	8.58	20	●
201-P/M/K	20.1	11.6	3.04	8.56	20	●
202-P/M/K	20.2	11.6	3.06	8.54	20	●
203-P/M/K	20.3	11.6	3.07	8.53	20	●
204-P/M/K	20.4	11.6	3.09	8.51	20	●
205-P/M/K	20.5	11.6	3.11	8.49	20	●
206-P/M/K	20.6	11.6	3.13	8.47	20	●
207-P/M/K	20.7	11.6	3.15	8.45	20	●
208-P/M/K	20.8	11.6	3.17	8.43	20	●
209-P/M/K	20.9	11.6	3.18	8.42	20	●
210-P/M/K	21.0	12.1	3.18	8.92	21	●
211-P/M/K	21.1	12.1	3.20	8.90	21	●
212-P/M/K	21.2	12.1	3.22	8.88	21	●
213-P/M/K	21.3	12.1	3.23	8.87	21	●
214-P/M/K	21.4	12.1	3.25	8.85	21	●
215-P/M/K	21.5	12.1	3.27	8.83	21	●
216-P/M/K	21.6	12.1	3.29	8.81	21	●
217-P/M/K	21.7	12.1	3.31	8.79	21	●
218-P/M/K	21.8	12.1	3.33	8.77	21	●
219-P/M/K	21.9	12.1	3.34	8.76	21	●
220-P/M/K	22.0	12.7	3.24	9.46	22	●
221-P/M/K	22.1	12.7	3.26	9.44	22	●
222-P/M/K	22.2	12.7	3.28	9.42	22	●
223-P/M/K	22.3	12.7	3.29	9.41	22	●
224-P/M/K	22.4	12.7	3.31	9.39	22	●
225-P/M/K	22.5	12.7	3.33	9.37	22	●
226-P/M/K	22.6	12.7	3.35	9.35	22	●
227-P/M/K	22.7	12.7	3.37	9.33	22	●
228-P/M/K	22.8	12.7	3.39	9.31	22	●
229-P/M/K	22.9	12.7	3.40	9.30	22	●
230-P/M/K	23.0	13.3	3.46	9.84	23	●
231-P/M/K	23.1	13.3	3.48	9.82	23	●
232-P/M/K	23.2	13.3	3.50	9.80	23	●
233-P/M/K	23.3	13.3	3.51	9.79	23	●
234-P/M/K	23.4	13.3	3.53	9.77	23	●



• Drill head can be ordered by an application
 Order example) Diameter 10.0mm drill head for
 ISO P application: TCD-100-P TT9080

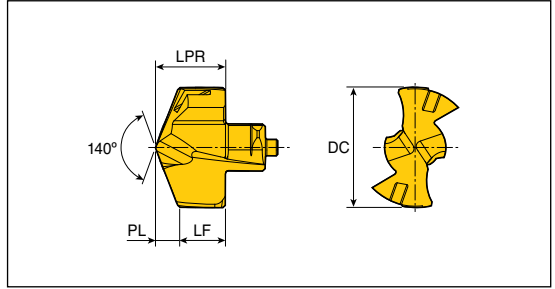
●: Standard items

P Steel **M** Stainless steel **K** Cast iron

TCD...P/M/K



Drill heads



Designation	Dimension (mm)					Grade
	DC	LPR	PL	LF	SSC	
TCD - 235-P/M/K	23.5	13.3	3.55	9.75	23	●
236-P/M/K	23.6	13.3	3.57	9.73	23	●
237-P/M/K	23.7	13.3	3.59	9.71	23	●
238-P/M/K	23.8	13.3	3.61	9.69	23	●
239-P/M/K	23.9	13.3	3.62	9.68	23	●
240-P/M/K	24.0	13.9	3.62	10.28	24	●
241-P/M/K	24.1	13.9	3.64	10.26	24	●
242-P/M/K	24.2	13.9	3.66	10.24	24	●
243-P/M/K	24.3	13.9	3.67	10.23	24	●
244-P/M/K	24.4	13.9	3.69	10.21	24	●
245-P/M/K	24.5	13.9	3.71	10.19	24	●
246-P/M/K	24.6	13.9	3.73	10.17	24	●
247-P/M/K	24.7	13.9	3.75	10.15	24	●
248-P/M/K	24.8	13.9	3.77	10.13	24	●
249-P/M/K	24.9	13.9	3.78	10.12	24	●
250-P/M/K	25.0	14.5	3.80	10.70	25	●
251-P/M/K	25.1	14.5	3.82	10.68	25	●
252-P/M/K	25.2	14.5	3.84	10.66	25	●
253-P/M/K	25.3	14.5	3.85	10.65	25	●
254-P/M/K	25.4	14.5	3.87	10.63	25	●
255-P/M/K	25.5	14.5	3.89	10.61	25	●
256-P/M/K	25.6	14.5	3.91	10.59	25	●
257-P/M/K	25.7	14.5	3.93	10.57	25	●
258-P/M/K	25.8	14.5	3.95	10.55	25	●
259-P/M/K	25.9	14.5	3.96	10.54	25	●



• Drill head can be ordered by an application
 Order example) Diameter 10.0mm drill head for
 ISO P application: TCD-100-P TT9080

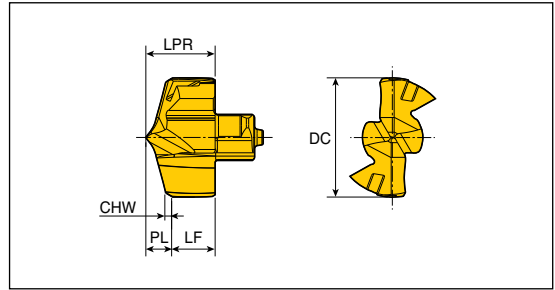
• Standard items

P Steel **M** Stainless steel **K** Cast iron



TCD-P+

Self-centering drill heads



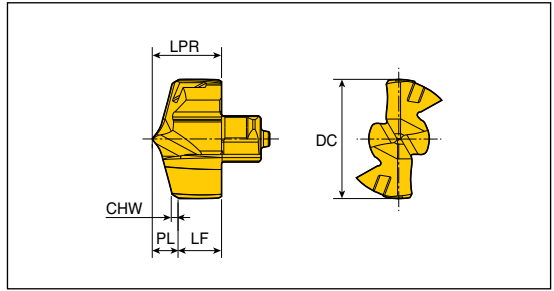
Designation	Dimension (mm)						Grade
	DC	LPR	PL	LF	CHW	SSC	TT9080
TCD-060-P+	6.0	4.00	1.46	2.54	0.5	6	●
065-P+	6.5	4.30	1.55	2.75	0.5	6.5	●
068-P+	6.8	4.30	1.59	2.71	0.5	6.5	●
070-P+	7.0	4.60	1.64	2.96	0.5	7	●
075-P+	7.5	4.60	1.71	2.89	0.5	7	●
080-P+	8.0	5.40	1.81	3.59	0.5	8	●
085-P+	8.5	5.40	1.88	3.52	0.5	8	●
086-P+	8.6	5.40	1.89	3.51	0.5	8	●
090-P+	9.0	5.80	1.98	3.82	0.5	9	●
095-P+	9.5	5.80	2.05	3.75	0.5	9	●
099-P+	9.9	5.80	2.10	3.70	0.5	9	●
100-P+	10.0	6.20	2.33	3.87	0.7	10	●
102-P+	10.2	6.20	2.36	3.84	0.7	10	●
103-P+	10.3	6.20	2.37	3.83	0.7	10	●
105-P+	10.5	6.20	2.40	3.80	0.7	10	●
107-P+	10.7	6.20	2.42	3.78	0.7	10	●
108-P+	10.8	6.20	2.44	3.76	0.7	10	●
110-P+	11.0	6.60	2.50	4.10	0.7	11	●
111-P+	11.1	6.60	2.51	4.09	0.7	11	●
115-P+	11.5	6.60	2.57	4.03	0.7	11	●
120-P+	12.0	7.00	2.67	4.33	0.7	12	●
123-P+	12.3	7.00	2.71	4.29	0.7	12	●
125-P+	12.5	7.00	2.74	4.26	0.7	12	●
126-P+	12.6	7.00	2.75	4.25	0.7	12	●
127-P+	12.7	7.00	2.76	4.24	0.7	12	●
130-P+	13.0	7.60	2.85	4.75	0.7	13	●
135-P+	13.5	7.60	2.92	4.68	0.7	13	●
140-P+	14.0	8.15	3.02	5.13	0.7	14	●
141-P+	14.1	8.15	3.03	5.12	0.7	14	●
142-P+	14.2	8.15	3.05	5.10	0.7	14	●
143-P+	14.3	8.15	3.06	5.09	0.7	14	●
145-P+	14.5	8.15	3.09	5.06	0.7	14	●
146-P+	14.6	8.15	3.10	5.05	0.7	14	●
150-P+	15.0	8.73	3.19	5.54	0.7	15	●



● SSC: Seat size code

●: Standard items

Self-centering drill heads



Designation	Dimension (mm)						Grade TT9080
	DC	LPR	PL	LF	CHW	SSC	
TCD-151-P+	15.1	8.73	3.20	5.53	0.7	15	●
152-P+	15.2	8.73	3.22	5.51	0.7	15	●
155-P+	15.5	8.73	3.26	5.47	0.7	15	●
159-P+	15.9	8.73	3.31	5.42	0.7	15	●
160-P+	16.0	9.30	3.46	5.84	0.81	16	●
161-P+	16.1	9.30	3.47	5.83	0.81	16	●
163-P+	16.3	9.30	3.50	5.80	0.81	16	●
164-P+	16.4	9.30	3.51	5.79	0.81	16	●
165-P+	16.5	9.30	3.53	5.77	0.81	16	●
167-P+	16.7	9.30	3.55	5.75	0.81	16	●
170-P+	17.0	9.90	3.63	6.27	0.81	17	●
173-P+	17.3	9.90	3.67	6.23	0.81	17	●
175-P+	17.5	9.90	3.70	6.20	0.81	17	●
180-P+	18.0	10.50	3.81	6.69	0.81	18	●
185-P+	18.5	10.50	3.88	6.62	0.81	18	●
190-P+	19.0	11.00	3.98	7.02	0.81	19	●
192-P+	19.2	11.00	4.01	6.99	0.81	19	●
193-P+	19.3	11.00	4.02	6.98	0.81	19	●
194-P+	19.4	11.00	4.03	6.97	0.81	19	●
195-P+	19.5	11.00	4.05	6.95	0.81	19	●
200-P+	20.0	11.60	4.15	7.45	0.81	20	●
205-P+	20.5	11.60	4.22	7.38	0.81	20	●
206-P+	20.6	11.60	4.23	7.37	0.81	20	●
210-P+	21.0	12.18	4.32	7.86	0.81	21	●
215-P+	21.5	12.18	4.39	7.79	0.81	21	●
220-P+	22.0	12.76	4.50	8.26	0.81	22	●
222-P+	22.2	12.76	4.53	8.23	0.81	22	●
225-P+	22.5	12.76	4.57	8.19	0.81	22	●
230-P+	23.0	13.33	4.67	8.66	0.81	23	●
235-P+	23.5	13.33	4.74	8.59	0.81	23	●
240-P+	24.0	13.90	4.84	9.06	0.81	24	●
245-P+	24.5	13.90	4.91	8.99	0.81	24	●
250-P+	25.0	14.50	5.01	9.49	0.81	25	●
255-P+	25.5	14.50	5.08	9.42	0.81	25	●
259-P+	25.9	14.50	5.13	9.37	0.81	25	●

● SSC: Seat size code

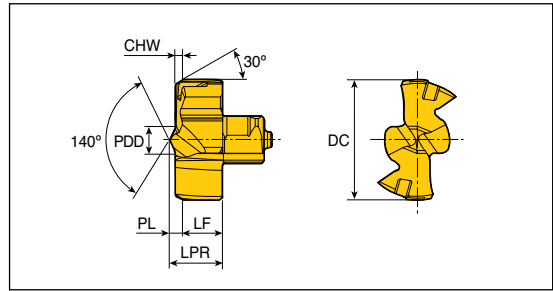
●: Standard items



● SSC: Seat size code

●: Standard items

Drill heads for flat bottom hole



Designation	Dimension (mm)							Grade
	DC	PDD	LPR	PL	LF	CHW	SSC	TT9080
TCD - 080-F	8.0	2.33	4.4	1.09	3.3	0.7	8	●
085-F	8.5	2.33	4.4	1.09	3.3	0.7	8	●
090-F	9.0	2.29	4.6	1.11	3.5	0.7	9	●
095-F	9.5	2.29	4.6	1.11	3.5	0.7	9	●
100-F	10.0	2.44	4.9	1.17	3.7	0.7	10	●
105-F	10.5	2.44	4.9	1.17	3.7	0.7	10	●
110-F	11.0	3.09	5.1	1.25	3.8	0.7	11	●
115-F	11.5	3.09	5.1	1.25	3.8	0.7	11	●
120-F	12.0	2.95	5.4	1.26	4.1	0.7	12	●
125-F	12.5	2.95	5.4	1.26	4.1	0.7	12	●
130-F	13.0	3.04	5.7	1.30	4.4	0.7	13	●
135-F	13.5	3.04	5.7	1.30	4.4	0.7	13	●
140-F	14.0	3.30	6.1	1.31	4.8	0.7	14	●
145-F	14.5	3.30	6.1	1.31	4.8	0.7	14	●
150-F	15.0	3.54	6.6	1.35	5.23	0.7	15	●
155-F	15.5	3.54	6.6	1.35	5.23	0.7	15	●
160-F	16.0	3.74	7.0	1.39	5.6	0.7	16	●
165-F	16.5	3.74	7.0	1.39	5.6	0.7	16	●
170-F	17.0	3.75	7.3	1.40	5.9	0.7	17	●
175-F	17.5	3.75	7.3	1.40	5.9	0.7	17	●
180-F	18.0	3.85	7.6	1.42	6.18	0.7	18	●
185-F	18.5	3.85	7.6	1.42	6.18	0.7	18	●
190-F	19.0	3.86	7.9	1.44	6.5	0.7	19	●
195-F	19.5	3.86	7.9	1.44	6.5	0.7	19	●
200-F	20.0	6.76	9.3	1.77	7.5	0.7	20	●
205-F	20.5	6.76	9.3	1.77	7.5	0.7	20	●
210-F	21.0	6.98	9.7	1.79	7.9	0.7	21	●
215-F	21.5	6.98	9.7	1.79	7.9	0.7	21	●
220-F	22.0	7.42	10.0	1.81	8.2	0.7	22	●
225-F	22.5	7.42	10.0	1.81	8.2	0.7	22	●
230-F	23.0	7.60	10.4	1.83	8.6	0.7	23	●
235-F	23.5	7.60	10.4	1.83	8.6	0.7	23	●
240-F	24.0	8.13	10.9	1.86	9.0	0.7	24	●
245-F	24.5	8.13	10.9	1.86	9.0	0.7	24	●
250-F	25.0	8.16	11.3	1.89	9.4	0.7	25	●

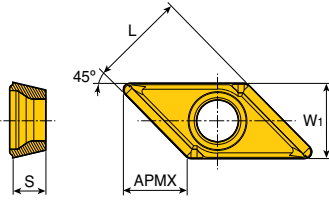


● SSC: Seat size code

● Standard items

AOMT 060204-C45

Chamfering inserts for pre-thread hole



Size	Dimension (mm)			
	W1	L	S	APMX
06	4.5	5.66	1.96	4.0

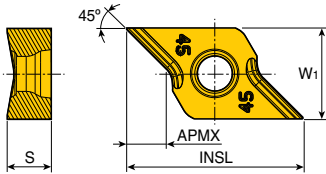
Insert	Designation	Coated						Uncoated	
		TT9080	TT9030	TT8020	TT6030	TT9300	TT7400		
	AOMT 060204-C45	●							



●: Standard items

CRNG 0802-45CD

Chamfering inserts for chamfering ring



Size	Dimension (mm)			
	W1	INSL	S	APMX
08	7.5	14.80	3.65	3.3

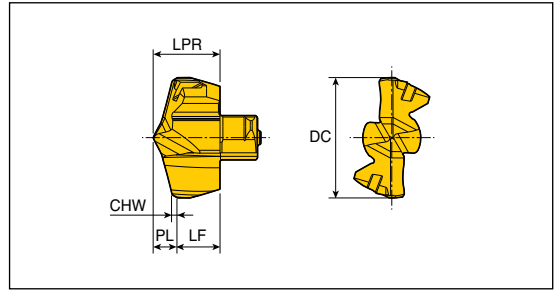
Insert	Designation	Coated						Uncoated	
		TT9080	TT9030	TT8020	TT6030	TT9300	TT7400		
	CRNG 0802-45CD	●							



●: Standard items

TCD...P-CO+

Self-centering drill heads



Designation	Dimension (mm)						Grade
	DC	LPR	PL	LF	CHW	SSC	TT9080
TCD-159-P-CO+	15.9	8.73	3.17	5.56	0.7	15	●
169-P-CO+	16.9	9.30	3.34	5.96	0.81	16	●
179-P-CO+	17.9	9.90	3.50	6.40	0.81	17	●
189-P-CO+	18.9	10.50	3.66	6.84	0.81	18	●
199-P-CO+	19.9	11.00	3.82	7.18	0.81	19	●
209-P-CO+	20.9	11.60	3.98	7.62	0.81	20	●
219-P-CO+	21.9	12.18	4.15	8.03	0.81	21	●
229-P-CO+	22.9	12.76	4.31	8.45	0.81	22	●
239-P-CO+	23.9	13.33	4.48	8.85	0.81	23	●
249-P-CO+	24.9	13.90	4.64	9.26	0.81	24	●
259-P-CO+	25.9	14.50	4.81	9.69	0.81	25	●

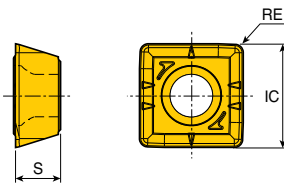


● SSC: Seat size code

● Standard items

SPGX...DW

Inserts



Size	Dimension (mm)			
	IC	S	RE	
06	6.07	2.38	0.4	
07	8.02	3.97	0.8	
09	9.91	4.30	0.8	
11	11.62	4.80	0.8	
14	14.41	5.20	1.2	

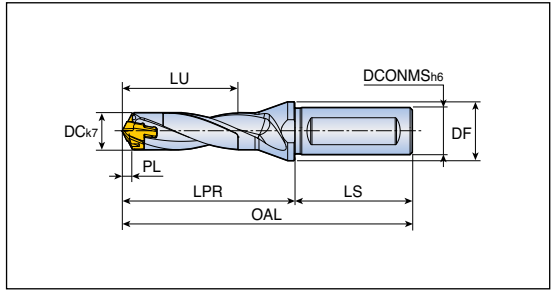
Insert	Designation	Coated						Uncoated	
		TT9080	TT8020	TT9900	TT9030	TT6080	TT7400	K10	
	SPGX 060204 DW	●							
	07T308 DW	●							
	090408 DW	●							
	110408 DW	●							
	140512 DW	●							



● Standard items

TCD...T...-3D

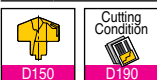
Head changeable drill holders - Weldon type shank



- Drilling depth: 3xdiameter



Designation	Dimension (mm)								Clamping key	
	DC	DCONMS	DF	LU	LPR	LS	PL	SSC		
TCD 060-064-12T3-3D	6.0-6.4	12	16	19	32.0	45	0.96	6	K TCD D060-D099	
065-069-12T3-3D	6.5-6.9	12	16	21	33.8	45	1.18	6.5		
070-074-12T3-3D	7.0-7.4	12	16	22	35.6	45	1.01	7		
075-079-12T3-3D	7.5-7.9	12	16	24	37.1	45	1.10	7		
080-084-12T3-3D	8.0-8.4	12	16	25	39.4	45	1.20	8		
085-089-12T3-3D	8.5-8.9	12	16	27	40.9	45	1.29	8		
090-094-12T3-3D	9.0-9.4	12	16	28	42.8	45	1.35	9		
095-099-12T3-3D	9.5-9.9	12	16	30	44.3	45	1.44	9		
100-104-16T3-3D	10.0-10.4	16	20	32	46.2	48	1.50	10		K TCD D100-D199
105-109-16T3-3D	10.5-10.9	16	20	34	47.7	48	1.59	10		
110-114-16T3-3D	11.0-11.4	16	20	35	49.6	48	1.67	11		
115-119-16T3-3D	11.5-11.9	16	20	37	51.1	48	1.76	11		
120-124-16T3-3D	12.0-12.4	16	20	38	53.0	48	1.82	12		
125-129-16T3-3D	12.5-12.9	16	20	39	54.5	48	1.91	12		
130-134-16T3-3D	13.0-13.4	16	20	41	56.6	48	1.96	13		
135-139-16T3-3D	13.5-13.9	16	20	43	58.1	48	2.05	13		
140-144-16T3-3D	14.0-14.4	16	20	44	62.2	48	2.12	14		
145-149-16T3-3D	14.5-14.9	16	20	46	63.7	48	2.21	14		
150-159-20T3-3D	15.0-15.9	20	25	47	68.7	50	2.27	15	K TCD D200-D269	
160-169-20T3-3D	16.0-16.9	20	25	50	73.3	50	2.42	16		
170-179-20T3-3D	17.0-17.9	20	25	54	77.9	50	2.59	17		
180-189-25T2-3D	18.0-18.9	25	32	57	82.5	56	2.73	18		
190-199-25T2-3D	19.0-19.9	25	32	60	87.0	56	2.88	19		
200-209-25T2-3D	20.0-20.9	25	32	63	91.6	56	3.02	20		
210-219-25T2-3D	21.0-21.9	25	32	66	96.2	56	3.18	21		
220-229-25T2-3D	22.0-22.9	25	32	69	100.8	56	3.24	22		
230-239-32T2-3D	23.0-23.9	32	42	72	105.3	60	3.46	23		
240-249-32T2-3D	24.0-24.9	32	42	76	109.9	60	3.62	24		
250-259-32T2-3D	25.0-25.9	32	42	79	114.5	60	3.80	25		



- OAL = LPR+LS
- SSC : Seat size code

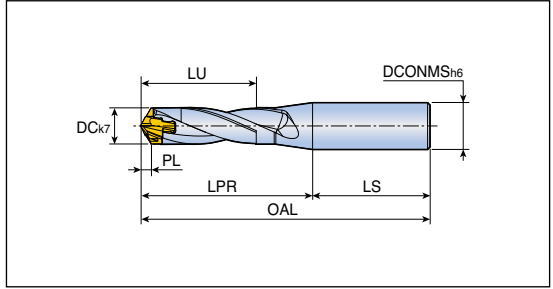
TCD...S0-3D



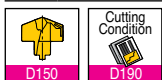
Head changeable drill holders - Cylindrical type shank



- Drilling depth: 3x diameter



Designation	Dimension (mm)							Clamping key	
	DC	DCONMS	LU	LPR	LS	PL	SSC		
TCD 060-064-12S0-3D	6.0-6.4	12	19	32.0	45	0.96	6	K TCD D060-D099	
065-069-12S0-3D	6.5-6.9	12	21	33.8	45	1.18	6.5		
070-074-12S0-3D	7.0-7.4	12	22	35.6	45	1.01	7		
075-079-12S0-3D	7.5-7.9	12	24	37.1	45	1.10	7		
080-084-12S0-3D	8.0-8.4	12	25	39.4	45	1.20	8		
085-089-12S0-3D	8.5-8.9	12	27	40.9	45	1.29	8		
090-094-12S0-3D	9.0-9.4	12	28	42.8	45	1.35	9		
095-099-12S0-3D	9.5-9.9	12	30	44.3	45	1.44	9		
100-104-16S0-3D	10.0-10.4	16	32	46.2	48	1.50	10		K TCD D100-D199
105-109-16S0-3D	10.5-10.9	16	34	47.7	48	1.59	10		
110-114-16S0-3D	11.0-11.4	16	35	49.6	48	1.67	11		
115-119-16S0-3D	11.5-11.9	16	37	51.1	48	1.76	11		
120-124-16S0-3D	12.0-12.4	16	38	53.0	48	1.82	12		
125-129-16S0-3D	12.5-12.9	16	39	54.5	48	1.91	12		
130-134-16S0-3D	13.0-13.4	16	41	56.6	48	1.96	13		
135-139-16S0-3D	13.5-13.9	16	43	58.1	48	2.05	13		
140-144-16S0-3D	14.0-14.4	16	44	62.1	48	2.12	14		
145-149-16S0-3D	14.5-14.9	16	46	63.7	48	2.21	14		
150-159-20S0-3D	15.0-15.9	20	47	68.7	50	2.27	15	K TCD D200-D269	
160-169-20S0-3D	16.0-16.9	20	50	73.3	50	2.42	16		
170-179-20S0-3D	17.0-17.9	20	54	77.9	50	2.59	17		
180-189-25S0-3D	18.0-18.9	25	57	82.5	56	2.73	18		
190-199-25S0-3D	19.0-19.9	25	60	87.0	56	2.88	19		
200-209-25S0-3D	20.0-20.9	25	63	91.6	56	3.02	20		
210-219-25S0-3D	21.0-21.9	25	66	96.2	56	3.18	21		
220-229-25S0-3D	22.0-22.9	25	69	100.8	56	3.24	22		
230-239-32S0-3D	23.0-23.9	32	72	105.3	60	3.46	23		
240-249-32S0-3D	24.0-24.9	32	76	109.9	60	3.62	24		
250-259-32S0-3D	25.0-25.9	32	79	114.5	60	3.80	25		



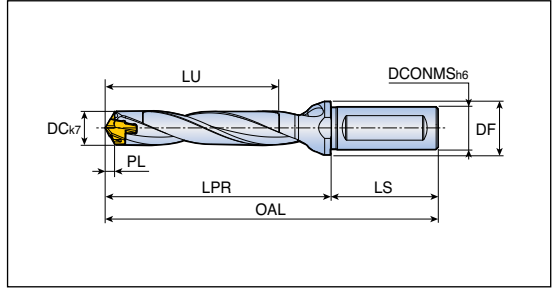
- OAL = LPR+LS
- SSC : Seat size code

TCD...T...-5D

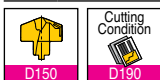
Head changeable drill holders - Weldon type shank



- Drilling depth: 5x diameter



Designation	Dimension (mm)								Clamping key	
	DC	DCONMS	DF	LU	LPR	LS	PL	SSC		
TCD 060-064-12T3-5D	6.0-6.4	12	16	31	44.0	45	0.96	6	K TCD D060-D099	
065-069-12T3-5D	6.5-6.9	12	16	34	46.8	45	1.18	6.5		
070-074-12T3-5D	7.0-7.4	12	16	36	49.6	45	1.01	7		
075-079-12T3-5D	7.5-7.9	12	16	39	52.1	45	1.10	7		
080-084-12T3-5D	8.0-8.4	12	16	41	55.4	45	1.20	8		
085-089-12T3-5D	8.5-8.9	12	16	44	57.9	45	1.29	8		
090-094-12T3-5D	9.0-9.4	12	16	46	60.8	45	1.35	9		
095-099-12T3-5D	9.5-9.9	12	16	49	63.3	45	1.44	9		
100-104-16T3-5D	10.0-10.4	16	20	52	66.2	48	1.50	10		K TCD D100-D199
105-109-16T3-5D	10.5-10.9	16	20	55	68.7	48	1.59	10		
110-114-16T3-5D	11.0-11.4	16	20	57	71.6	48	1.67	11		
115-119-16T3-5D	11.5-11.9	16	20	60	74.1	48	1.76	11		
120-124-16T3-5D	12.0-12.4	16	20	62	77.0	48	1.82	12		
125-129-16T3-5D	12.5-12.9	16	20	64	79.5	48	1.91	12		
130-134-16T3-5D	13.0-13.4	16	20	67	82.6	48	1.96	13		
135-139-16T3-5D	13.5-13.9	16	20	70	85.1	48	2.05	13		
140-144-16T3-5D	14.0-14.4	16	20	72	90.2	48	2.12	14		
145-149-16T3-5D	14.5-14.9	16	20	75	92.7	48	2.21	14		
150-159-20T3-5D	15.0-15.9	20	25	77	98.7	50	2.27	15	K TCD D200-D269	
160-169-20T3-5D	16.0-16.9	20	25	82	105.3	50	2.42	16		
170-179-20T3-5D	17.0-17.9	20	25	88	111.9	50	2.59	17		
180-189-25T2-5D	18.0-18.9	25	32	93	118.5	56	2.73	18		
190-199-25T2-5D	19.0-19.9	25	32	98	125.0	56	2.88	19		
200-209-25T2-5D	20.0-20.9	25	32	103	131.6	56	3.02	20		
210-219-25T2-5D	21.0-21.9	25	32	108	138.2	56	3.18	21		
220-229-25T2-5D	22.0-22.9	25	32	113	144.8	56	3.24	22		
230-239-32T2-5D	23.0-23.9	32	42	118	151.3	60	3.46	23		
240-249-32T2-5D	24.0-24.9	32	42	124	157.9	60	3.62	24		
250-259-32T2-5D	25.0-25.9	32	42	129	164.5	60	3.80	25		



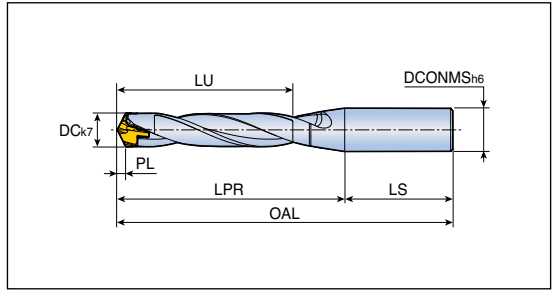
- OAL = LPR+LS
- SSC : Seat size code

TCD...S0-5D

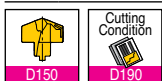
Head changeable drill holders - Cylindrical type shank



- Drilling depth: 5x diameter



Designation	Dimension (mm)							Clamping key	
	DC	DCONMS	LU	LPR	LS	PL	SSC		
TCD 060-064-12S0-5D	6.0-6.4	12	31	44.0	45	0.96	6	K TCD D060-D099	
065-069-12S0-5D	6.5-6.9	12	34	46.8	45	1.18	6.5		
070-074-12S0-5D	7.0-7.4	12	36	49.6	45	1.01	7		
075-079-12S0-5D	7.5-7.9	12	39	52.1	45	1.10	7		
080-084-12S0-5D	8.0-8.4	12	41	55.4	45	1.20	8		
085-089-12S0-5D	8.5-8.9	12	44	57.9	45	1.29	8		
090-094-12S0-5D	9.0-9.4	12	46	60.8	45	1.35	9		
095-099-12S0-5D	9.5-9.9	12	49	63.3	45	1.44	9		
100-104-16S0-5D	10.0-10.4	16	52	66.2	48	1.50	10		K TCD D100-D199
105-109-16S0-5D	10.5-10.9	16	55	68.7	48	1.59	10		
110-114-16S0-5D	11.0-11.4	16	57	71.6	48	1.67	11		
115-119-16S0-5D	11.5-11.9	16	60	74.1	48	1.76	11		
120-124-16S0-5D	12.0-12.4	16	62	77.0	48	1.82	12		
125-129-16S0-5D	12.5-12.9	16	64	79.5	48	1.91	12		
130-134-16S0-5D	13.0-13.4	16	67	82.6	48	1.96	13		
135-139-16S0-5D	13.5-13.9	16	70	85.1	48	2.05	13		
140-144-16S0-5D	14.0-14.4	16	72	90.2	48	2.12	14		
145-149-16S0-5D	14.5-14.9	16	75	92.7	48	2.21	14		
150-159-20S0-5D	15.0-15.9	20	77	98.7	50	2.27	15	K TCD D200-D269	
160-169-20S0-5D	16.0-16.9	20	82	105.3	50	2.42	16		
170-179-20S0-5D	17.0-17.9	20	88	111.9	50	2.59	17		
180-189-25S0-5D	18.0-18.9	25	93	118.5	56	2.73	18		
190-199-25S0-5D	19.0-19.9	25	98	125.0	56	2.88	19		
200-209-25S0-5D	20.0-20.9	25	103	131.6	56	3.02	20		
210-219-25S0-5D	21.0-21.9	25	108	138.2	56	3.18	21		
220-229-25S0-5D	22.0-22.9	25	113	144.8	56	3.24	22		
230-239-32S0-5D	23.0-23.9	32	118	151.3	60	3.46	23		
240-249-32S0-5D	24.0-24.9	32	124	157.9	60	3.62	24		
250-259-32S0-5D	25.0-25.9	32	129	164.5	60	3.80	25		



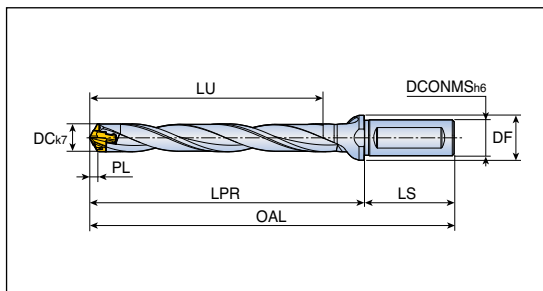
- OAL = LPR+LS
- SSC : Seat size code

TCD...T...-8D

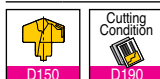
Head changeable drill holders - Weldon type shank



- Drilling depth: 8x diameter



Designation	Dimension (mm)								Clamping key
	DC	DCONMS	DF	LU	LPR	LS	PL	SSC	
TCD 070-074-12T3-8D	7.0-7.4	12	16	57	70.6	45	1.01	7	K TCD D060-D099
075-079-12T3-8D	7.5-7.9	12	16	61	74.6	45	1.10	7	
080-084-12T3-8D	8.0-8.4	12	16	65	79.4	45	1.20	8	
085-089-12T3-8D	8.5-8.9	12	16	69	83.4	45	1.29	8	
090-094-12T3-8D	9.0-9.4	12	16	73	87.8	45	1.35	9	
095-099-12T3-8D	9.5-9.9	12	16	77	91.8	45	1.44	9	
100-104-16T3-8D	10.0-10.4	16	20	82	96.2	48	1.50	10	K TCD D100-D199
105-109-16T3-8D	10.5-10.9	16	20	86	100.2	48	1.59	10	
110-114-16T3-8D	11.0-11.4	16	20	90	104.6	48	1.67	11	
115-119-16T3-8D	11.5-11.9	16	20	94	108.6	48	1.76	11	
120-124-16T3-8D	12.0-12.4	16	20	98	113.0	48	1.82	12	
125-129-16T3-8D	12.5-12.9	16	20	102	117.0	48	1.91	12	
130-134-16T3-8D	13.0-13.4	16	20	106	121.6	48	1.96	13	
135-139-16T3-8D	13.5-13.9	16	20	110	125.6	48	2.05	13	
140-144-16T3-8D	14.0-14.4	16	20	114	132.2	48	2.12	14	
145-149-16T3-8D	14.5-14.9	16	20	118	136.2	48	2.21	14	
150-159-20T3-8D	15.0-15.9	20	25	122	143.7	50	2.27	15	K TCD D200-D269
160-169-20T3-8D	16.0-16.9	20	25	130	153.3	50	2.42	16	
170-179-20T3-8D	17.0-17.9	20	25	139	162.9	50	2.59	17	
180-189-25T2-8D	18.0-18.9	25	32	147	172.5	56	2.73	18	
190-199-25T2-8D	19.0-19.9	25	32	155	182.0	56	2.88	19	
200-209-25T2-8D	20.0-20.9	25	32	163	191.6	56	3.02	20	
210-219-25T2-8D	21.0-21.9	25	32	171	201.2	56	3.18	21	
220-229-25T2-8D	22.0-22.9	25	32	179	210.8	56	3.24	22	
230-239-32T2-8D	23.0-23.9	32	42	187	220.3	60	3.46	23	
240-249-32T2-8D	24.0-24.9	32	42	196	229.9	60	3.62	24	
250-259-32T2-8D	25.0-25.9	32	42	204	239.5	60	3.80	25	



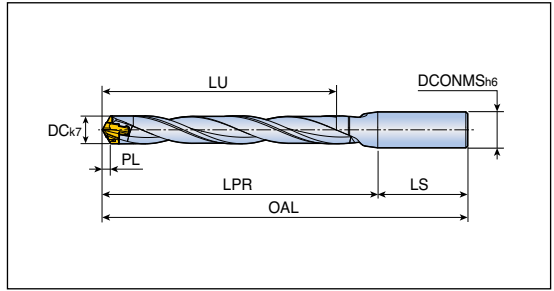
- It is recommended to make the pilot hole with a 1.5D holder
- OAL = LPR+LS
- SSC : Seat size code

TCD...S0-8D

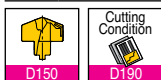
Head changeable drill holders - Cylindrical type shank



- Drilling depth: 8x diameter

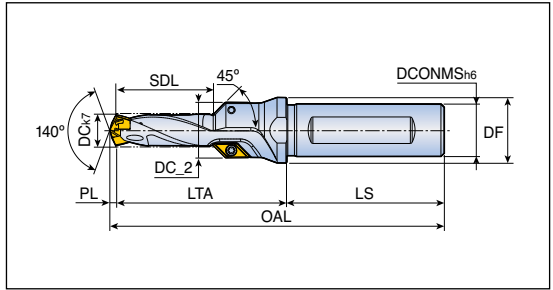


Designation	Dimension (mm)							Clamping key
	DC	DCONMS	LU	LPR	LS	PL	SSC	
TCD 070-074-12S0-8D	7.0-7.4	12	57	70.6	45	1.01	7	K TCD D060-D099
075-079-12S0-8D	7.5-7.9	12	61	74.6	45	1.10	7	
080-084-12S0-8D	8.0-8.4	12	65	79.4	45	1.20	8	
085-089-12S0-8D	8.5-8.9	12	69	83.4	45	1.29	8	
090-094-12S0-8D	9.0-9.4	12	73	91.8	45	1.35	9	
095-099-12S0-8D	9.5-9.9	12	77	92.7	45	1.44	9	
100-104-16S0-8D	10.0-10.4	16	82	96.2	48	1.50	10	K TCD D100-D199
105-109-16S0-8D	10.5-10.9	16	86	100.2	48	1.59	10	
110-114-16S0-8D	11.0-11.4	16	90	104.6	48	1.67	11	
115-119-16S0-8D	11.5-11.9	16	94	108.6	48	1.76	11	
120-124-16S0-8D	12.0-12.4	16	98	113.0	48	1.82	12	
125-129-16S0-8D	12.5-12.9	16	102	117.0	48	1.91	12	
130-134-16S0-8D	13.0-13.4	16	106	121.6	48	1.96	13	
135-139-16S0-8D	13.5-13.9	16	110	125.6	48	2.05	13	
140-144-16S0-8D	14.0-14.4	16	114	132.2	48	2.12	14	
145-149-16S0-8D	14.5-14.9	16	118	136.2	48	2.21	14	
150-159-20S0-8D	15.0-15.9	20	122	143.7	50	2.27	15	K TCD D200-D269
160-169-20S0-8D	16.0-16.9	20	130	153.3	50	2.42	16	
170-179-20S0-8D	17.0-17.9	20	139	162.9	50	2.59	17	
180-189-25S0-8D	18.0-18.9	25	147	172.5	56	2.73	18	
190-199-25S0-8D	19.0-19.9	25	155	182.0	56	2.88	19	
200-209-25S0-8D	20.0-20.9	25	163	191.6	56	3.02	20	
210-219-25S0-8D	21.0-21.9	25	171	201.2	56	3.18	21	
220-229-25S0-8D	22.0-22.9	25	179	210.8	56	3.24	22	
230-239-32S0-8D	23.0-23.9	32	187	220.3	60	3.46	23	
240-249-32S0-8D	24.0-24.9	32	196	229.9	60	3.62	24	
250-259-32S0-8D	25.0-25.9	32	204	239.5	60	3.80	25	



- It is recommended to make the pilot hole with a 1.5D holder
- OAL = LPR+LS
- SSC : Seat size code

Head changeable drill holders for pre-thread hole



Designation	ISO thread	DC	Dimension (mm)								Drill dia. range	Insert
			SDL	LTA	LS	DC_2	DCONMS	DF	PL	OAL		
TCD 068x21x12T3-M8	M8	6.8	21	43.77	45	13.5	12	16	1.23	6.5-6.9	AOMT 06...-C45 D162	
085x26x12T3-M10	M10	8.5	26	48.71	45	15.5	12	16	1.29	8.5-8.9		
102x30x16T3-M12	M12	10.2	30	52.46	48	17.0	16	20	1.54	10.0-10.4		
120x35x16T3-M14	M14	12.0	35	59.18	48	19.0	16	20	1.82	12.0-12.4		
140x39x20T3-M16	M16	14.0	39	66.88	50	21.0	20	25	2.12	14.0-14.4		
175x42x20T3-M20	M20	17.5	42	69.32	50	24.5	20	27	2.68	17.0-17.9		
210x48x25T2-M24	M24	21.0	48	76.82	56	28.0	25	32	3.18	21.0-21.9		

• OAL = LTA+LS+PL

Spare parts

Designation	Screw	Wrench	Clamping key	
TCD 068	TS 220461	TD 7	K TCD D060-D099	
TCD 085	TS 220461	TD 7	K TCD D060-D099	
TCD 102 - 175	TS 220461	TD 7	K TCD D100-D199	
TCD 210	TS 220461	TD 7	K TCD D200-D269	



Plug for coolant supply in a stationary machines

TaeguTec supplies special plugs with an internal thread for coolant connections used on lathes that can be pressed into the cavity on the back end of the shank.

Description	Shank diameter	Internal thread
PL-TCD-12	12	G 1/16
PL-TCD-16	16	G 1/16
PL-TCD-20	20	G 1/8
PL-TCD-25	25	G 1/8
PL-TCD-32	32	G 1/8

