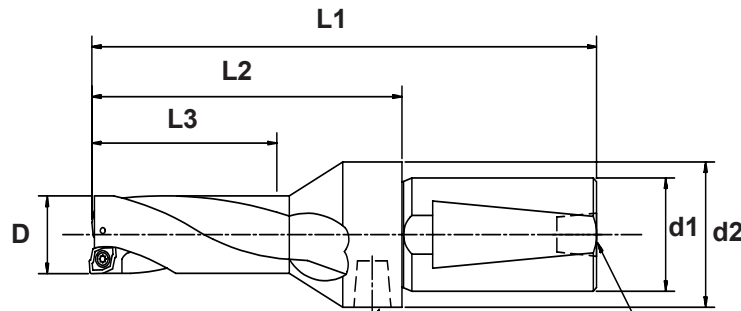


Magic Drill

- 4 available corners promote increased efficiency.
- The molded chipbreaker produces 3 separate chips which makes the drill cut more smoothly, and reliably.
- The free cutting design of the insert reduces cutting resistance.



2xD
inch

ORDER NUMBER	D	d1	d2	L1	L2	L3	MAX OFFSET	INSERT
S75-DRZ 5621125-05	.562	.750	1.06	3.86	2.17	1.125	+.020	ZCMT 05
S100-DRZ 6251250-06	.625	1.000	1.26	4.37	2.24	1.250	+.043	ZCMT 06
S100-DRZ 6561312-06	.656	1.000	1.26	4.52	2.39	1.312	+.034	ZCMT 06
S100-DRZ 6881375-06	.688	1.000	1.26	4.57	2.44	1.375	+.027	ZCMT 06
S100-DRZ 7501500-06	.750	1.000	1.26	4.72	2.60	1.500	+.020	ZCMT 06
S100-DRZ 8121625-06	.812	1.000	1.26	4.92	2.80	1.625	+.014	ZCMT 06
S100-DRZ 8751750-08	.875	1.000	1.30	5.04	2.91	1.750	+.055	ZCMT 08
S100-DRZ 9381875-08	.938	1.000	1.30	5.12	2.99	1.875	+.043	ZCMT 08
S100-DRZ 10002000-08	1.000	1.000	1.38	5.24	3.11	2.000	+.028	ZCMT 08
S100-DRZ 10622125-10	1.062	1.000	1.38	5.31	3.19	2.125	+.098	ZCMT 10
S100-DRZ 11252250-10	1.125	1.000	1.65	5.75	3.62	2.250	+.073	ZCMT 10
S100-DRZ 11882375-10	1.188	1.000	1.77	5.87	3.74	2.375	+.067	ZCMT 10
S100-DRZ 12502500-10	1.250	1.000	1.77	5.91	3.78	2.500	+.047	ZCMT 10

2xD
inch

ORDER NUMBER	D	d1	d2	L1	L2	L3	MAX OFFSET	INSERT
S125-DRZ 13122625-12	1.312	1.250	2.17	6.42	4.09	2.625	+110	ZCMT 12
S125-DRZ 13752750-12	1.375	1.250	2.17	6.54	4.21	2.750	+094	ZCMT 12
S125-DRZ 14382875-12	1.438	1.25	2.17	6.69	4.37	2.875	+078	ZCMT 12
S125-DRZ 15003000-12	1.500	1.25	2.17	6.81	4.49	3.000	+067	ZCMT 12
S125-DRZ 15623125-12	1.562	1.25	2.17	6.89	4.57	3.125	+047	ZCMT 12
S125-DRZ 16253250-15	1.625	1.25	2.36	6.95	4.63	3.250	+150	ZCMT 15
S125-DRZ 16883375-15	1.688	1.25	2.36	7.08	4.75	3.375	+138	ZCMT 15
S125-DRZ 17503500-15	1.750	1.25	2.36	7.12	4.80	3.500	+122	ZCMT 15
S125-DRZ 18123625-15	1.812	1.25	2.36	7.40	5.08	3.625	+106	ZCMT 15
S125-DRZ 18753750-15	1.875	1.25	2.36	7.57	5.25	3.750	+087	ZCMT 15
S125-DRZ 19383875-15	1.938	1.25	2.36	7.58	5.25	3.875	+070	ZCMT 15
S125-DRZ 20004000-15	2.000	1.25	2.36	7.70	5.38	4.000	+055	ZCMT 15

3xD
inch

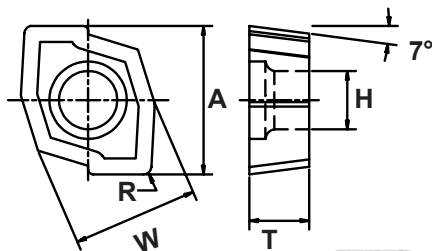
ORDER NUMBER	D	d1	d2	L1	L2	L3	MAX OFFSET	INSERT
S75-DRZ 5621687-05	.562	.750	1.06	4.41	2.72	1.69	+020	ZCMT 05
S100-DRZ 6251875-06	.625	1.00	1.26	5.15	3.01	1.88	+043	ZCMT 06
S100-DRZ 6561969-06	.656	1.00	1.26	5.15	3.02	1.97	+034	ZCMT 06
S100-DRZ 6882062-06	.688	1.00	1.26	5.23	3.10	2.06	+027	ZCMT 06
S100-DRZ 7502250-06	.750	1.00	1.26	5.57	3.35	2.25	+020	ZCMT 06
S100-DRZ 8122438-06	.812	1.00	1.26	5.76	3.63	2.44	+014	ZCMT 06
S100-DRZ 8752625-08	.875	1.00	1.30	5.77	3.65	2.63	+055	ZCMT 08
S100-DRZ 9382814-08	.938	1.00	1.30	5.89	3.76	2.81	+043	ZCMT 08
S100-DRZ 10003000-08	1.000	1.00	1.38	6.11	3.98	3.00	+028	ZCMT 08
S100-DRZ 10623187-10	1.062	1.00	1.65	6.81	4.59	3.19	+098	ZCMT 10
S100-DRZ 11253375-10	1.125	1.00	1.65	6.92	4.60	3.38	+073	ZCMT 10
S100-DRZ 11883562-10	1.188	1.00	1.65	7.13	4.80	3.56	+067	ZCMT 10
S100-DRZ 12503750-10	1.250	1.00	1.77	7.22	4.89	3.75	+047	ZCMT 10
S125-DRZ 13123938-12	1.312	1.25	2.17	8.00	5.28	3.94	+110	ZCMT 12
S125-DRZ 13754125-12	1.375	1.25	2.17	8.23	5.51	4.13	+094	ZCMT 12
S125-DRZ 14384312-12	1.438	1.25	2.17	8.37	5.65	4.31	+078	ZCMT 12
S125-DRZ 15004500-12	1.500	1.25	2.17	8.51	5.87	4.50	+067	ZCMT 12
S125-DRZ 15624688-12	1.562	1.25	2.17	8.69	5.97	4.69	+047	ZCMT 12
S125-DRZ 16254875-15	1.625	1.25	2.17	8.83	6.11	4.88	+150	ZCMT 15
S125-DRZ 16885062-15	1.688	1.25	2.17	8.93	6.21	5.06	+138	ZCMT 15
S125-DRZ 17505250-15	1.750	1.25	2.17	9.18	6.46	5.25	+122	ZCMT 15
S125-DRZ 18125438-15	1.812	1.25	2.36	9.49	6.77	5.44	+106	ZCMT 15
S125-DRZ 18755625-15	1.875	1.25	2.36	9.65	6.93	5.63	+091	ZCMT 15
S125-DRZ 19385812-15	1.938	1.25	2.36	9.86	7.15	5.81	+070	ZCMT 15
S125-DRZ 20006000-15	2.000	1.25	2.36	9.88	7.17	6.00	+055	ZCMT 15

3xD metric

ORDER NUMBER	D	d1	d2	L1	L2	L3	MAX OFFSET	INSERT
S75-DRZ 1339-05	.512 (13mm)	.750	1.06	4.33	2.60	1.54	+.020	ZCMT 05
S75-DRZ 135405-05	.531 (13.5mm)	.750	1.06	4.33	2.60	1.59	+.020	ZCMT 05
S75-DRZ 1442-05	.551 (14mm)	.750	1.06	4.45	2.76	1.65	+.020	ZCMT 05
S75-DRZ 145435-05	.571 (14.5mm)	.750	1.06	4.45	2.76	1.71	+.020	ZCMT 05
S75-DRZ 1545-05	.591 (15mm)	.750	1.06	4.57	2.87	1.77	+.020	ZCMT 05
S75-DRZ 155465-05	.610 (15.5mm)	.750	1.06	4.57	2.87	1.83	+.020	ZCMT 05
S100-DRZ 1648-05	.630 (16mm)	1.00	1.26	5.16	3.03	1.89	+.043	ZCMT 06
S100-DRZ 165495-06	.650 (16.5mm)	1.00	1.26	5.16	3.03	1.95	+.035	ZCMT 06
S100-DRZ 1751-06	.669 (17mm)	1.00	1.26	5.28	3.15	2.01	+.031	ZCMT 06
S100-DRZ 1854-06	.709 (18mm)	1.00	1.26	5.39	3.27	2.13	+.024	ZCMT 06
S100-DRZ 185555-06	.728 (18.5mm)	1.00	1.26	5.39	3.27	2.19	+.024	ZCMT 06
S100-DRZ 1957-06	.748 (19mm)	1.00	1.26	5.51	3.39	2.24	+.020	ZCMT 06
S100-DRZ 195585-06	.768 (19.5mm)	1.00	1.26	5.51	3.39	2.30	+.020	ZCMT 06
S100-DRZ 2060-06	.787 (20mm)	1.00	1.26	5.62	3.51	2.36	+.020	ZCMT 06
S100-DRZ 2163-06	.827 (21mm)	1.00	1.26	5.75	3.62	2.48	+.008	ZCMT 06
S100-DRZ 215645-08	.846 (21.5mm)	1.00	1.30	5.79	3.66	2.54	+.071	ZCMT 08
S100-DRZ 2266-08	.866 (22mm)	1.00	1.30	5.79	3.66	2.60	+.063	ZCMT 08
S100-DRZ 225675-08	.886 (22.5mm)	1.00	1.30	5.79	3.66	2.66	+.055	ZCMT 08
S100-DRZ 2369-08	.906 (23mm)	1.00	1.30	5.91	3.74	2.72	+.051	ZCMT 08
S100-DRZ 2472-08	.945 (24mm)	1.00	1.38	6.02	3.90	2.83	+.043	ZCMT 08
S100-DRZ 2575-08	.984 (25mm)	1.00	1.38	6.14	4.02	2.95	+.031	ZCMT 08
S100-DRZ 2678-08	1.024 (26mm)	1.00	1.38	6.26	4.13	3.07	+.024	ZCMT 08
S100-DRZ 2781-10	1.063 (27 mm)	1.00	1.65	6.65	4.53	3.19	+.098	ZCMT10
S100-DRZ 2884-10	1.102 (28mm)	1.00	1.65	6.73	4.65	3.31	+.087	ZCMT10
S100-DRZ 2987-10	1.142 (29mm)	1.00	1.65	6.85	4.76	3.43	+.079	ZCMT10
S100-DRZ 3090-10	1.181 (30mm)	1.00	1.77	6.96	4.84	3.54	+.067	ZCMT10
S100-DRZ 3193-10	1.220 (31mm)	1.00	1.77	7.09	4.96	3.66	+.059	ZCMT10
S100-DRZ 3296-10	1.260 (32mm)	1.00	1.77	7.20	5.08	3.78	+.047	ZCMT10
S125-DRZ 3399-12	1.299 (33mm)	1.25	2.17	7.64	5.31	3.90	+.114	ZCMT 12
S125-DRZ 34102-12	1.338 (34mm)	1.25	2.17	7.80	5.47	4.02	+.106	ZCMT 12
S125-DRZ 35105-12	1.378 (35mm)	1.25	2.17	7.87	5.55	4.13	+.094	ZCMT 12
S125-DRZ 36108-12	1.417 (36mm)	1.25	2.17	7.99	5.67	4.25	+.087	ZCMT 12
S125-DRZ 37111-12	1.457 (37mm)	1.25	2.17	8.11	5.79	4.37	+.075	ZCMT 12
S125-DRZ 38114-12	1.496 (38mm)	1.25	2.17	8.23	5.87	4.49	+.067	ZCMT 12

4xD
inch

ORDER NUMBER	D	d1	d2	L1	L2	L3	MAX OFFSET	INSERT
S75-DRZ 5622250-05	.562	.75	1.06	5.85	3.35	2.25	+.020	ZCMT 05
S100-DRZ 6252500-06	.625	1.00	1.26	6.64	3.64	2.50	+.043	ZCMT 06
S100-DRZ 6882750-06	.688	1.00	1.26	6.89	3.89	2.75	+.027	ZCMT 06
S100-DRZ 7503000-06	.750	1.00	1.26	7.14	4.14	3.00	+.020	ZCMT 06
S100-DRZ 8123250-06	.812	1.00	1.26	7.39	4.39	3.25	+.014	ZCMT 06
S100-DRZ 8753500-08	.875	1.00	1.30	7.56	4.56	3.50	+.055	ZCMT 08
S100-DRZ 9383750-08	.938	1.00	1.38	7.77	4.77	3.75	+.043	ZCMT 08
S100-DRZ 10004000-08	1.000	1.00	1.38	8.08	5.06	4.00	+.028	ZCMT 08
S125-DRZ 10624250-10	1.062	1.25	1.65	8.59	5.59	4.25	+.098	ZCMT10
S125-DRZ 11254500-10	1.125	1.25	1.65	8.84	5.84	4.50	+.073	ZCMT10
S125-DRZ 11884750-10	1.188	1.25	1.77	9.05	6.05	4.75	+.067	ZCMT10
S125-DRZ 12505000-10	1.250	1.25	1.77	9.30	6.30	5.00	+.047	ZCMT10
S125-DRZ 13125250-12	1.312	1.25	2.17	9.67	6.67	5.25	+.110	ZCMT12
S125-DRZ 13755500-12	1.375	1.25	2.17	9.92	6.92	5.50	+.094	ZCMT12
S125-DRZ 14385750-12	1.438	1.25	2.17	10.17	7.17	5.75	+.078	ZCMT12
S125-DRZ 15006000-12	1.500	1.25	2.17	10.38	7.38	6.00	+.067	ZCMT12
S125-DRZ 15626250-12	1.562	1.25	2.17	10.63	7.63	6.25	+.047	ZCMT12
S125-DRZ 16256500-15	1.625	1.25	2.17	10.80	7.80	6.50	+.150	ZCMT15
S150-DRZ 16886750-15	1.688	1.50	2.17	11.55	8.05	6.75	+.138	ZCMT15
S150-DRZ 17507000-15	1.750	1.50	2.17	11.80	8.30	7.00	+.122	ZCMT15
S150-DRZ 18127250-15	1.812	1.50	2.38	12.05	8.59	7.25	+.106	ZCMT15
S150-DRZ 18757500-15	1.875	1.50	2.38	12.42	8.92	7.50	+.087	ZCMT15
S150-DRZ 19387750-15	1.938	1.50	2.38	12.63	9.13	7.75	+.070	ZCMT15
S150-DRZ 20008000-15	2.000	1.50	2.38	12.80	9.30	8.00	+.055	ZCMT15



Insert Dimensions



INSERT ORDER NUMBER	ISO DESIGNATION	DIMENSIONS					GRADES				
		A	T	H	W	R	PR510	PR660	PR730	PR930	KW10
ZCMT050203	ZCMT050203	.232	.094	.091	.197	.012	◇	●	●	●	●
ZCMT06T204	ZCMT06T204	.275	.110	.098	.236	.016	◇	●	●	●	●
ZCMT080304	ZCMT080304	.382	.125	.114	.319	.016	◇	●	●	●	●
ZCMT10T304	ZCMT10T304	.472	.156	.173	.402	.016	◇	●	●	●	●
ZCMT12T306	ZCMT12T306	.563	.156	.220	.504	.024	◇	●	●	●	●
ZCMT150408	ZCMT150408	.701	.187	.220	.622	.031	◇	●	●	●	●
ZCMT-050203SP	ZCMT-050203SP	.232	.094	.091	0.197	.012	◇	◇	◇	◇	◇
ZCMT-06T204SP	ZCMT-06T204SP	.275	.110	.098	.236	.016	◇	◇	◇	◇	◇
ZCMT-080304SP	ZCMT-080304SP	.382	.125	.114	.319	.016	◇	◇	◇	◇	◇
ZCMT-10T304SP	ZCMT-10T304SP	.472	.156	.173	.402	.016	◇	◇	◇	◇	◇
ZCMT-12T304SP	ZCMT-12T304SP	.563	.156	.220	.504	.016	◇	◇	◇	◇	◇
ZCMT-150406SP	ZCMT-150406SP	.701	.187	.220	.622	.024	◇	◇	◇	◇	◇
ZCMT050203SU	ZCMT050203SU	.232	.094	.091	.197	.012	◇	◇	◇	◇	◇
ZCMT06T204SU	ZCMT06T204SU	.275	.110	.098	.236	.016	◇	◇	◇	◇	◇

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