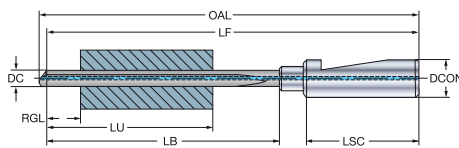


# Gun drill

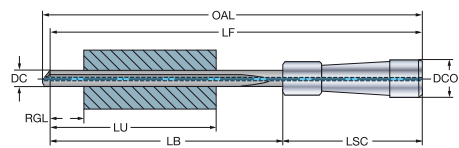
With internal coolant supply



A428.91-20x  
TCHA H9



A428.91-10x  
H9



CZC <sub>MS</sub>	DC	DC"	Ordering code	P		Dimensions, mm, inch													
				K5	K15	DCON	LU	LU"	LF	LF"	LB	LB"	OAL	OAL"	RGL	RGL"	LSC	LSC"	
3/4	12.30	.4844	A428.91-04844-10-103	☆	☆	19.0	145.50	5.728	252.00	9.921	184.00	7.244	254	10.000	25.00	.984	70.00	2.755	
	12.30	.4844	A428.91-04844-16-103	☆	☆	19.0	297.50	11.712	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	12.30	.4844	A428.91-04844-22-103	☆	☆	19.0	450.50	17.736	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	12.30	.4844	A428.91-04844-28-103	☆	☆	19.0	602.50	23.720	709.00	27.913	641.00	25.236	711	27.992	25.00	.984	70.00	2.755	
	12.70	.5000	A428.91-05000-10-103	☆	☆	19.0	145.00	5.708	252.00	9.921	184.00	7.244	254	10.000	25.00	.984	70.00	2.755	
	12.70	.5000	A428.91-05000-16-103	☆	☆	19.0	297.00	11.692	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	12.70	.5000	A428.91-05000-22-103	☆	☆	19.0	450.00	17.716	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	12.70	.5000	A428.91-05000-28-103	☆	☆	19.0	602.00	23.700	709.00	27.913	641.00	25.236	711	27.992	25.00	.984	70.00	2.755	
1	12.70	.5000	A428.91-05000-36-103	☆	☆	19.0	805.00	31.692	912.00	35.905	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	13.09	.5156	A428.91-05156-16-205	☆	☆	25.4	296.40	11.669	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	13.09	.5156	A428.91-05156-22-205	☆	☆	25.4	449.40	17.692	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	13.09	.5156	A428.91-05156-36-205	☆	☆	25.4	804.40	31.669	912.00	35.905	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	13.89	.5469	A428.91-05469-16-205	☆	☆	25.4	295.20	11.622	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	13.89	.5469	A428.91-05469-22-205	☆	☆	25.4	448.20	17.645	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	13.89	.5469	A428.91-05469-36-205	☆	☆	25.4	803.20	31.622	912.00	35.905	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	14.28	.5625	A428.91-05625-16-205	☆	☆	25.4	294.60	11.598	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	14.28	.5625	A428.91-05625-22-205	☆	☆	25.4	447.60	17.622	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	14.28	.5625	A428.91-05625-28-205	☆	☆	25.4	599.60	23.606	709.00	27.913	641.00	25.236	711	27.992	25.00	.984	70.00	2.755	
	14.28	.5625	A428.91-05625-36-205	☆	☆	25.4	802.60	31.598	912.00	35.905	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	14.68	.5781	A428.91-05781-16-205	☆	☆	25.4	294.00	11.574	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	14.68	.5781	A428.91-05781-22-205	☆	☆	25.4	447.00	17.598	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	14.68	.5781	A428.91-05781-36-205	☆	☆	25.4	802.00	31.574	912.00	35.905	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	15.08	.5937	A428.91-05937-16-205	☆	☆	25.4	293.40	11.551	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	15.08	.5937	A428.91-05937-22-205	☆	☆	25.4	446.40	17.574	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	15.08	.5937	A428.91-05937-36-205	☆	☆	25.4	801.40	31.551	912.00	35.905	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	15.47	.6094	A428.91-06094-16-205	☆	☆	25.4	292.80	11.527	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	15.47	.6094	A428.91-06094-22-205	☆	☆	25.4	445.80	17.551	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	15.47	.6094	A428.91-06094-36-205	☆	☆	25.4	800.80	31.527	912.00	35.905	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	15.87	.6250	A428.91-06250-16-205	☆	☆	25.4	292.20	11.503	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	15.87	.6250	A428.91-06250-22-205	☆	☆	25.4	445.20	17.527	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	15.87	.6250	A428.91-06250-28-205	☆	☆	25.4	597.20	23.511	709.00	27.913	641.00	25.236	711	27.992	25.00	.984	70.00	2.755	
	15.87	.6250	A428.91-06250-36-205	☆	☆	25.4	800.20	31.503	912.00	35.905	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	16.27	.6406	A428.91-06406-16-205	☆	☆	25.4	291.60	11.480	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	16.27	.6406	A428.91-06406-22-205	☆	☆	25.4	444.60	17.503	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	16.27	.6406	A428.91-06406-36-205	☆	☆	25.4	799.60	31.480	912.00	35.905	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	16.66	.6562	A428.91-06562-16-205	☆	☆	25.4	291.00	11.456	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	16.66	.6562	A428.91-06562-22-205	☆	☆	25.4	444.00	17.480	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	16.66	.6562	A428.91-06562-36-205	☆	☆	25.4	799.00	31.456	912.00	35.905	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	17.06	.6719	A428.91-06719-16-205	☆	☆	25.4	290.40	11.433	404.00	15.905	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	17.06	.6719	A428.91-06719-22-205	☆	☆	25.4	443.40	17.456	557.00	21.929	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	17.06	.6719	A428.91-06719-36-205	☆	☆	25.4	798.40	31.433	912.00	35.905	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	17.46	.6875	A428.91-06875-16-205	☆	☆	25.4	289.80	11.409	403.00	15.866	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	17.46	.6875	A428.91-06875-22-205	☆	☆	25.4	442.80	17.433	556.00	21.889	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	17.46	.6875	A428.91-06875-28-205	☆	☆	25.4	594.80	23.417	708.00	27.874	641.00	25.236	711	27.992	25.00	.984	70.00	2.755	
	17.46	.6875	A428.91-06875-36-205	☆	☆	25.4	797.80	31.409	911.00	35.866	844.00	33.228	914	35.984	25.00	.984	70.00	2.755	
	17.85	.7031	A428.91-07031-16-205	☆	☆	25.4	289.20	11.385	403.00	15.866	336.00	13.228	406	15.984	25.00	.984	70.00	2.755	
	17.85	.7031	A428.91-07031-22-205	☆	☆	25.4	442.20	17.409	556.00	21.889	489.00	19.252	559	22.007	25.00	.984	70.00	2.755	
	17.85	.7031	A428.91-07031-36-205	☆	☆	25.4	594.20	23.393	708.00	27.874	641.00	25.236	711	27.992	25.00	.984	70.00	2.755	
18.25	.7187	A428.91-07187-16-205	☆	☆	25.4	288.60	11.362	403.00	15.866	336.00	13.228	406	15.984	30.00	1.181	70.00	2.755		
18.25	.7187	A428.91-07187-22-205	☆	☆	25.4	441.60	17.385	556.00	21.889	489.00	19.252	559	22.007	30.00	1.181	70.00	2.755		
18.25	.7187	A428.91-07187-36-205	☆	☆	25.4	796.60	31.362	911.00	35.866	844.00	33.228	914	35.984	30.00	1.181	70.00	2.755		
18.65	.7344	A428.91-07344-16-205	☆	☆	25.4	288.00	11.338	403.00	15.866	336.00	13.228	406	15.984	30.00	1.181	70.00	2.755		
18.65	.7344	A428.91-07344-22-205	☆	☆	25.4	441.00	17.362	556.00	21.889	489.00	19.252	559	22.007	30.00	1.181	70.00	2.755		
18.65	.7344	A428.91-07344-36-205	☆	☆	25.4	796.00	31.338	911.00	35.866	844.00	33.228	914	35.984	30.00	1.181	70.00	2.755		

For explanation of parameters see page 1