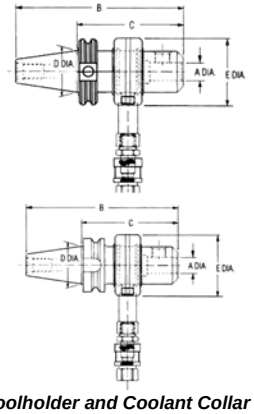
COOLANT INDUCED TOOLHOLDERS

For mounting drills on machine tools & machining centers where there is no provision for feeding coolant through the machine spindle.

MADE IN THE USA

COLLIS TOOL CORPORATION

FEATURES:
- Add performance and life to cutting tools
- Reduced wear means higher consistency and tighter tolerances
- All holders come complete with coolant connection
- 750 SFM/200 PSI on "O" rings
- Coolant induced collars and replacement parts available



Includes Toolholder and Coolant Collar

CAT V-Flange Shank

Shank	A Hole Size	B Dim	C Proj.	D	E Dia.	Part Number	Price Each
CAT 40	3/4	7.13	4.44	1.75	2.83	C40-75CIH444-C	$220.41
	1	8.68	6.00	1.75	3.59	C40-10CIH600-C	$255.60
	1-1/4	8.38	5.69	1.75	3.59	C40-12CIH569-C	$240.57
CAT 50	3/4	8.56	4.56	2.75	2.83	C50-75CIH456-C	$325.89
	1	10.00	6.00	2.75	3.59	C50-10CIH600-C	$384.40
	1-1/4	9.69	5.69	2.75	3.59	C50-12CIH569-C	$365.13
	1-1/2	9.75	5.75	2.75	3.96	C50-15CIH575-C	$391.05

BT Shank

BT30	3/4	6.74	4.56	1.25	2.83	B30-75CIH456-C	$230.04
BT 40	3/4	7.01	4.44	1.75	2.83	B40-75CIH444-C	$235.71
	1-1/4	8.26	5.69	1.75	3.59	B40-12CIH569-C	$250.11
BT 50	3/4	8.57	4.56	2.75	2.83	B50-75CIH456-C	$330.66
	1-1/4	9.70	5.69	2.75	3.59	B50-12CIH569-C	$350.73
	1-1/2	9.76	5.75	2.75	3.96	B50-15CIH575-C	$410.22

TRIDEX™ PREMIUM TRIGON COATED INSERTS

SPEED & FEED INFORMATION

Made In Germany

TRIDEX™

TRIDEX PREMIUM INSERTS			Brinell Hardness-HB	Mach Group	DOC [in] Drill Dia.					SBP 35 f [in/.rev.]			SZP 40 f [in/rev/]		
Mat. Group	Workpiece Material				.472-.547	.500-.784	.787-0.980	.984-1.777	>1.778	.002	.003	.006	.002	.003	.006
P	Unalloyed steel	approx. 0.15% C annealed	125	1	.002	.002	.003	.004	.005	720	660	590	460	430	390
		approx. 0.45% C annealed	190	2	.002	.002	.003	.004	.005	720	660	590	460	430	390
		approx. 0.45% C tempered	250	3	.002	.002	.003	.004	.005	720	660	590	460	430	390
		approx. 0.75% C annealed	270	4	.002	.002	.003	.004	.005	720	660	590	460	430	390
		approx. 0.75% C tempered	300	5	.002	.002	.003	.004	.005	720	660	590	460	430	390
	Low-alloyed steep	annealed	180	6	.002	.003	.003	.004	.006	690	660	560	430	390	360
		tempered	275	7	.002	.003	.003	.004	.006	690	660	560	430	390	360
		tempered	300	8	.002	.003	.003	.004	.006	690	660	560	430	390	360
		tempered	350	9	.002	.003	.003	.004	.006	690	660	560	430	390	360
	High-alloyed steel and high-alloyed tool steel	annealed	200	10	.002	.002	.002	.003	.004	620	560	490	430	390	360
		hardened by tempering	325	11	.002	.002	.002	.003	.004	620	560	490	430	390	360
	Stainless steel	ferritic / martensitic, annealed	200	12	.002	.002	.003	.004	.005	520	460	390	430	390	360
		martensitic, tempered	240	13	.002	.002	.003	.004	.005	520	460	390	430	390	360
M	Stainless steel	austenitic2, retained	180	14	.002	.002	.003	.004	.005	660	590	520	520	490	460
K	Grey cast iron	pearlitic/ferritic	180	15	.003	.004	.005	.006	.006	460	430	390	390	390	360
		pearlitic (martensitic)	260	16	.003	.004	.005	.006	.006	460	430	390	390	390	360
	Cast iron with spheroidal graphite	ferritic	160	17	.002	.003	.005	.006	.006	390	390	360	360	360	330
		pearlitic	250	18	.002	.003	.005	.006	.006	390	390	360	360	360	330
	Malleable cast iron	ferritic	130	19	.003	.004	.004	.005	.006	460	430	390	390	390	360
		pearlitic	230	20	.003	.004	.004	.005	.006	460	430	390	390	390	360
N	Aluminum malleable alloys	non-age-hardenable	60	21	-	-	-	-	-	-	-	-	-	-	-
		age-hardenable, age-hardened	100	22	-	-	-	-	-	-	-	-	-	-	-
	Aluminum cast alloys	< 12% Si, non-age-hardenable	75	23	-	-	-	-	-	-	-	-	-	-	-
		< 12% Si, age-hardenable,-hardened	90	24	-	-	-	-	-	-	-	-	-	-	-
		> 12% Si, non-age-hardenable	130	25	-	-	-	-	-	-	-	-	-	-	-
	Copper and copper alloys (Bronze/brass)	Free cutting alloys, Pb > 1 %	110	26	-	-	-	-	-	-	-	-	-	-	-
		Brass, red brass	90	27	-	-	-	-	-	-	-	-	-	-	-
		Bronze unleaded & electrolytic copper	100	28	-	-	-	-	-	-	-	-	-	-	-
	Non-metallic materials	Duroplasts	-	29	-	-	-	-	-	-	-	-	-	-	-
		fiber-reinforced plastics	-	-	-	-	-	-	-	-	-	-	-	-	-
		Hard rubber	-	30	-	-	-	-	-	-	-	-	-	-	-
S	Heat-resistant alloys	Fe basis annealed	200	31	.002	.002	.002	.002	.003	260	230	230	200	200	200
		Fe basis age-hardened	280	32	.002	.002	.002	.002	.003	260	230	230	200	200	200
		Ni or Co basis annealed	250	33	-	-	.002	.002	.003	160	130	130	130	130	130
		Ni or Co basis age-hardened	350	34	-	-	.002	.002	.003	160	130	130	130	130	130
		cast	320	35	-	-	.002	.002	.003	160	130	130	130	130	130
	Titanium alloys	Pure titanium	4003	36	-	-	-	-	-	-	-	-	-	-	-
		Alpha + Beta alloys,age-hardened	10503	37	-	-	-	-	-	-	-	-	-	-	-