

B+

BT
CAT
AHO
HSK-A/E/F/C
HSK-T
UTS
Specialized Machine
Related Equipment
Bush & Chamfering Drill



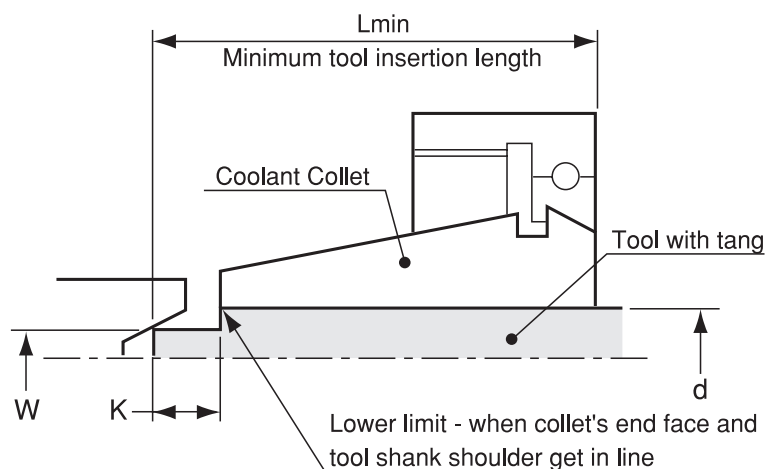
Milling Chuck	"R" Zero Holder	Hydraulic Chuck	Shrink Fit	Tapping Chuck	Arbors	Function Holder	Turning Tool	Retention Stud
Collet Holder								

- | | |
|---------------------|-------------|
| Accuracy
(4 × d) | AA
(5μm) |
| | A
(10μm) |

FDC - 060 12 - OH AA
Max. 12 Series Accuracy
chucking dia.

Minimum tool insertion length when coolant collet and tool with tang are used.

HDC-A, GDC-A, ERC, ERC-T, HDZ, GDZ, ERZ



Unit : Metric

Collet size (OH,C,MS)	Chuck diameter	Geometry of cutting tool													
		Tool shank diameter	ø3.1~5.0		ø5.1~6.0		ø6.1~9.0		ø9.1~12.0		ø12.1~16.0		ø16.1~22.0		
		Tang width	2.4		3		4		5		6		8		
		Tang length	5	3	6	3	8	5	8	5	10	5	12	5	
ER8	ø1.8~5.0	L min value when using tool with tang	20.5	19	—	—	—	—	—	—	—	—	—	—	
ER11	ø3.0~7.0		23	22	24	22	26	23	—	—	—	—	—	—	
FDC07	ø3.0~7.0		23	22	24	22	26	23	—	—	—	—	—	—	
FDC09	ø3.0~9.0		28	27	29	27	31	28	—	—	—	—	—	—	
FDC12	ø3.0~12.0		33	33	33.5	33	35.5	33	35.5	33	—	—	—	—	
FDC16	ø6.0~16.0		—	—	38.5	38	40.5	38	40.5	38	42.5	38	—	—	
FDC22	ø6.0~22.0		—	—	47	47	47.5	47	47.5	47	49.5	47	51.5	47	

1. Chamfer at tool tang is NOT taken into account at all.
2. Coolant leakage will happen if minimum insertion length is not kept.
3. Minimum insertion length will vary according to tang length(K).