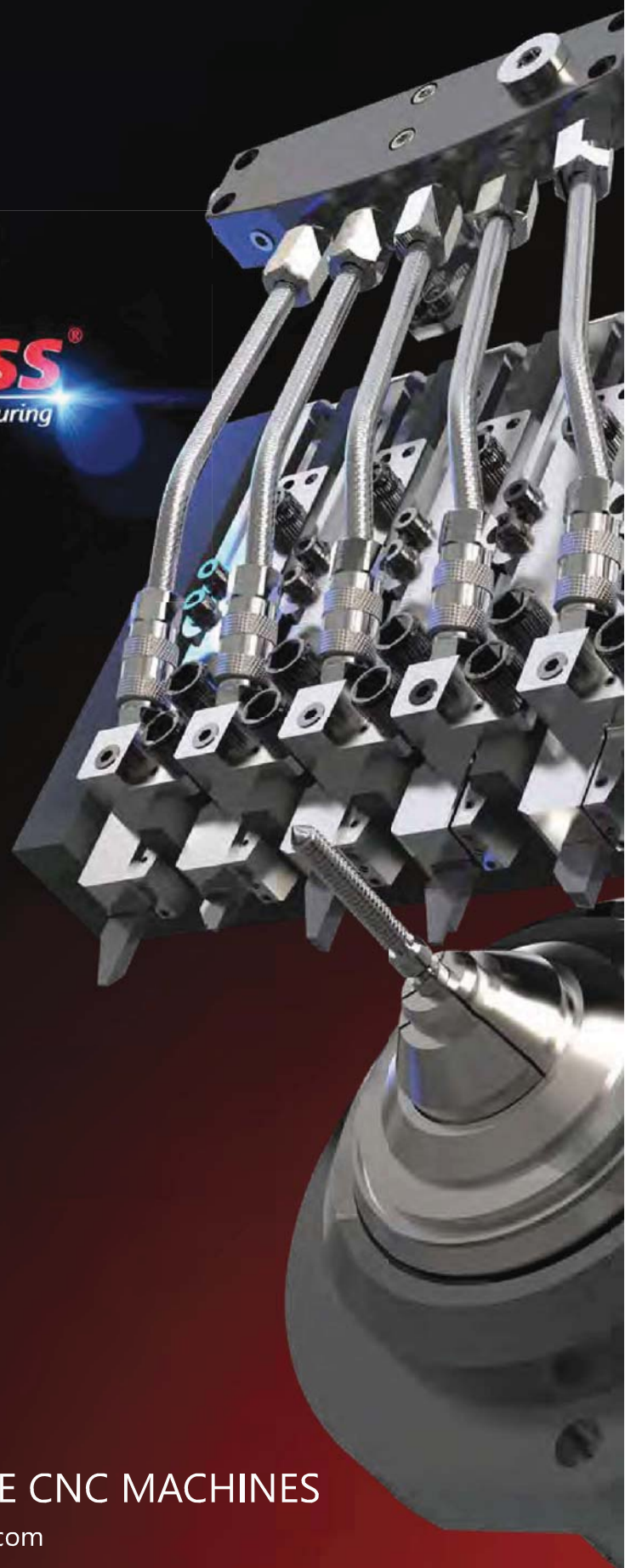




2019 Catalog

Version 10.19



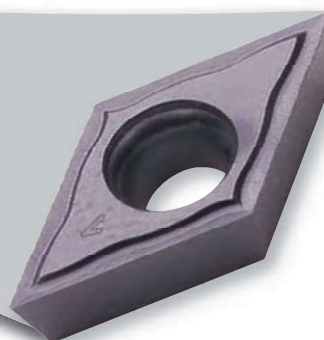
TOOLING FOR SWISS-TYPE CNC MACHINES

www.genswiss.com

UTILIS
multidec[®]
 swiss type tools
ISO Series



- Highly focused ISO style insert range collected specifically for Swiss applications
- Holders especially designed for Swiss-type machines
- Large choice of carbide grades cover a wide range of materials
- Vast assortment of chip breaker styles and geometries



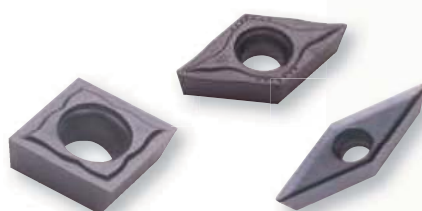
80° ISO
Inserts & Holders



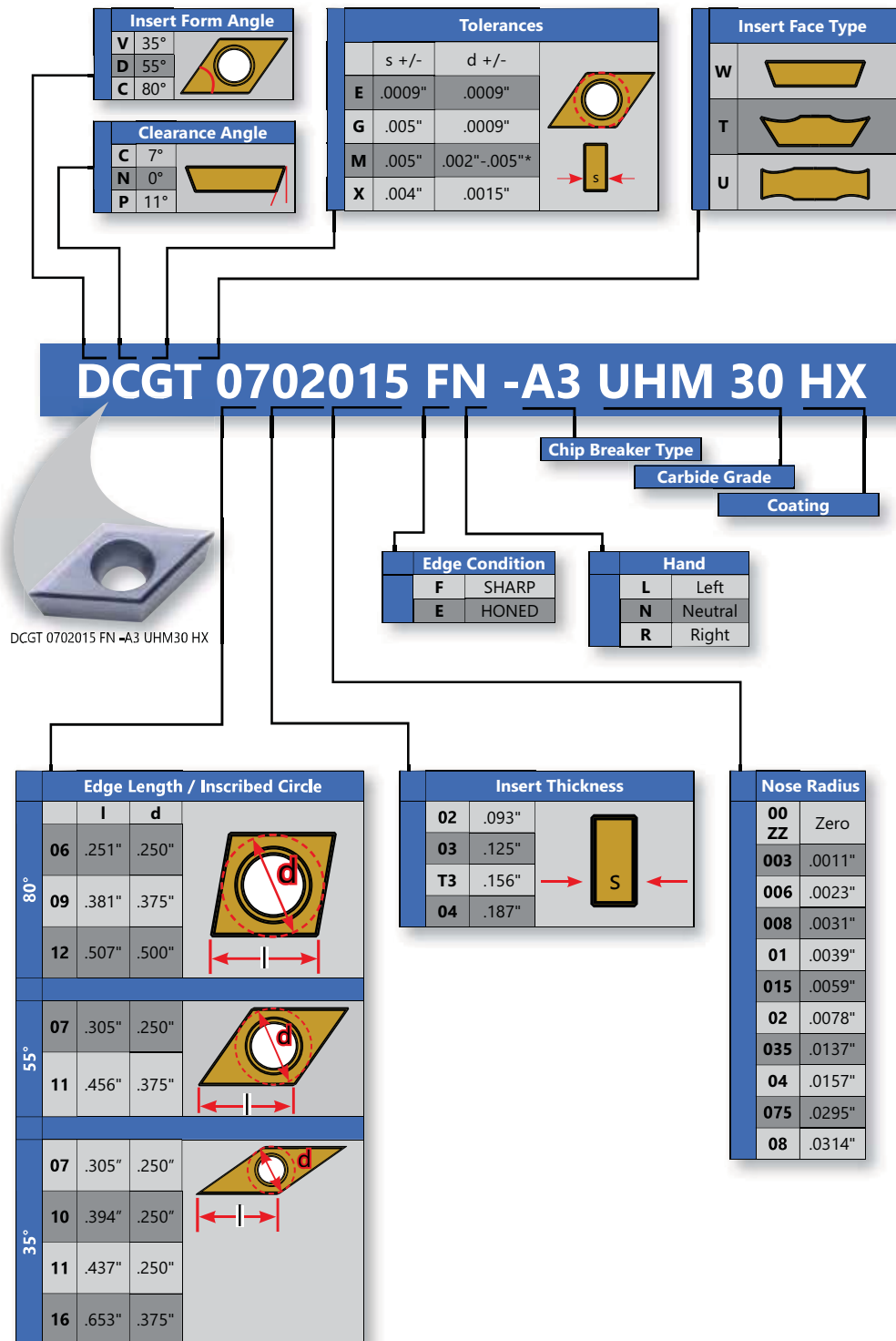
55° ISO
Inserts & Holders



35° ISO
Inserts & Holders



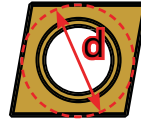
Works Great On Stringy Materials



Coatings vs Material Type

Carbide										Cermet	Diamond	Materials
-	-	■	■	■	□	□	■	□	■	■	-	Steel
-	■	-	■	□	□	■	■	■	□	■	-	Stainless Steel
□	■	-	□	-	□	■	-	-	-	-	-	Titanium & Ti-Alloys
■	□	-	-	-	□	□	-	□	-	-	■	Non Ferrous Metals

UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20
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CC...06 inserts: d = .250"
 CC...09 inserts: d = .375"
 CC...12 inserts: d = .500"

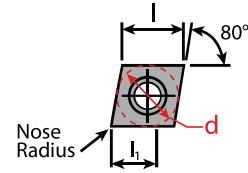
Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



CCGT Carbide PA3

Cut: Neutral

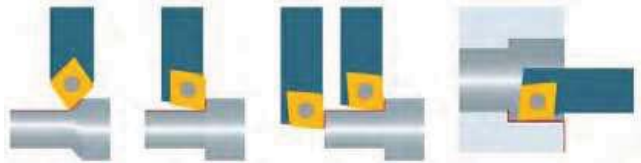
Chip Breaker: PA3, Polished Rake, Sharp Cutting Edge



Repeatability < 20µm

		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-123554	CCGT 060202 FN PA3 UHM10 HX	Sharp	6.4	4	.20mm/.0079in	SC...06	UHM 10 HX
7005-123560	CCGT 060204 FN PA3 UHM10 HX	Sharp	6.4	4	.40mm/.0157in	SC...06	UHM 10 HX
7005-123578	CCGT 09T304 FN PA3 UHM10 HX	Sharp	9.7	4	.40mm/.0157in	SC...09	UHM 10 HX
7005-123258	CCGT 09T308 FN PA3 UHM10 HX	Sharp	9.7	4	.80mm/.0315in	SC...09	UHM 10 HX

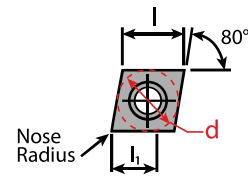
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	-	□
Finishing	□	□	□	□	□	■	■	-	■
Micro Finishing	■	■	■	■	■	■	■	-	■



CCGT Carbide PA5

Cut: Neutral

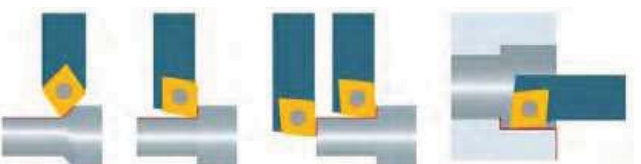
Chip Breaker: PA5, Polished Rake, Sharp Cutting Edge

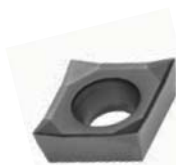


Repeatability < 20µm

		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-123441	CCGT 060202 FN PA5 UHM10 HX	Sharp	6.4	4	.20mm/.0079in	SC...06	UHM 10 HX
7005-123443	CCGT 060204 FN PA5 UHM10 HX	Sharp	6.4	4	.40mm/.0157in	SC...06	UHM 10 HX
Call For Details	CCGT 09T302 FN PA5 UHM10 HX	Sharp	9.7	6	.20mm/.0079in	SC...09	UHM 10 HX
7005-123445	CCGT 09T304 FN PA5 UHM10 HX	Sharp	9.7	6	.40mm/.0157in	SC...09	UHM 10 HX
Call For Details	CCGT 09T308 FN PA5 UHM10 HX	Sharp	9.7	6	.80mm/.0315in	SC...09	UHM 10 HX
Call For Details	CCGT 120402 FN PA5 UHM10 HX	Sharp	12.9	8	.20mm/.0079in	SC...12	UHM 10 HX
7005-123447	CCGT 120404 FN PA5 UHM10 HX	Sharp	12.9	8	.40mm/.0157in	SC...12	UHM 10 HX
7005-123448	CCGT 120408 FN PA5 UHM10 HX	Sharp	12.9	8	.80mm/.0315in	SC...12	UHM 10 HX

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	-	□
Finishing	■	■	■	□	■	■	■	-	■
Micro Finishing	■	■	■	□	■	■	■	-	■

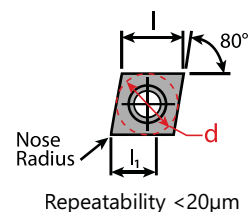




CCGT Carbide PA7

Cut: Neutral

Chip Breaker: PA7, Sharp Cutting Edge



Item No.	Description	Dimensions & Features						
		Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-123442	CCGT 060202 FN PA7 UHM10 HX	Sharp	6.4	4	.20mm/.0079in	SC...06	UHM 10 HX	
7005-123444	CCGT 060204 FN PA7 UHM10 HX	Sharp	6.4	4	.40mm/.0157in	SC...06	UHM 10 HX	
Call For Details	CCGT 09T305 FN PA7 UHM10 HX	Sharp	9.7	6	.05mm/.0019in	SC...09	UHM 10 HX	
7005-114379	CCGT 09T301 FN PA7 UHM10 HX	Sharp	9.7	6	.10mm/.0039in	SC...09	UHM 10 HX	
7005-123572	CCGT 09T302 FN PA7 UHM10 HX	Sharp	9.7	6	.20mm/.0079in	SC...09	UHM 10 HX	
7005-123446	CCGT 09T304 FN PA7 UHM10 HX	Sharp	9.7	6	.40mm/.0157in	SC...09	UHM 10 HX	
7005-123260	CCGT 09T308 FN PA7 UHM10 HX	Sharp	9.7	6	.80mm/.0315in	SC...09	UHM 10 HX	
7005-123579	CCGT 120402 FN PA7 UHM10 HX	Sharp	12.9	8	.20mm/.0079in	SC...12	UHM 10 HX	
7005-123315	CCGT 120404 FN PA7 UHM10 HX	Sharp	12.9	8	.40mm/.0157in	SC...12	UHM 10 HX	
7005-123449	CCGT 120408 FN PA7 UHM10 HX	Sharp	12.9	8	.80mm/.0315in	SC...12	UHM 10 HX	

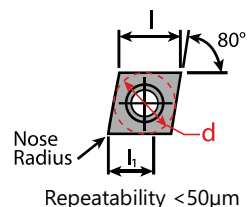
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	■	-	■
Finishing	□	□	□	□	□	□	■	-	■
Micro Finishing	■	■	■	□	■	■	■	-	■



CCXT Carbide PA9

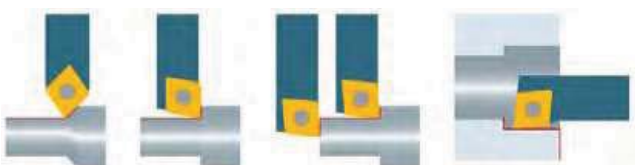
Cut: Neutral

Chip Breaker: PA9, Honed Cutting Edge



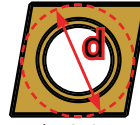
Item No.	Description	Dimensions & Features						
		Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-138582	CCXT 060204 EN PA9 UHM10 HX	Round	6.4	4	.40mm/.0157in	SC...06	UHM 10 HX	
7005-138584	CCXT 09T304 EN PA9 UHM10 HX	Round	9.7	6	.40mm/.0157in	SC...09	UHM 10 HX	
7005-138586	CCXT 09T308 EN PA9 UHM10 HX	Round	9.7	6	.80mm/.0315in	SC...09	UHM 10 HX	

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	□	□	□	■	-	-
Finishing	■	■	■	■	■	■	□	-	-
Micro Finishing	□	□	□	-	□	□	-	-	-



Coatings vs Material Type

Carbide										Cermet		Diamond		Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		



CC...06 inserts: d = .250"
 CC...09 inserts: d = .375"
 CC...12 inserts: d = .500"

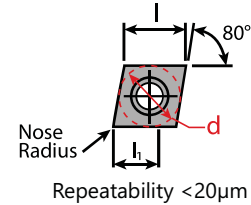
Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



CCGT Carbide PF

Cut: Neutral

Chip Breaker: PF, Honed Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-123321	CCGT 060202 EN PF UHM20 MZ	Round	6.4	1.5	.20mm/.0079in	SC...06	UHM 20 MZ	
7005-123323	CCGT 060202 EN PF UHM30 MZ	Round	6.4	1.5	.20mm/.0079in	SC...06	UHM 30 MZ	
Call For Details	CCGT 060202 EN PF UHM10 HX	Round	6.4	1.5	.20mm/.0079in	SC...06	UHM 10 HX	
Call For Details	CCGT 060202 EN PF UHM10 MZ	Round	6.4	1.5	.20mm/.0079in	SC...06	UHM 10 MZ	
Call For Details	CCGT 060204 EN PF UHM10 HX	Round	6.4	1.5	.40mm/.0157in	SC...06	UHM 10 HX	
Call For Details	CCGT 060204 EN PF UHM10 MZ	Round	6.4	1.5	.40mm/.0157in	SC...06	UHM 10 MZ	
Call For Details	CCGT 09T302 EN PF UHM10 HX	Round	9.7	2	.20mm/.0079in	SC...09	UHM 10 HX	
Call For Details	CCGT 09T302 EN PF UHM10 MZ	Round	9.7	2	.20mm/.0079in	SC...09	UHM 10 MZ	
Call For Details	CCGT 09T304 EN PF UHM10 HX	Round	9.7	2	.40mm/.0157in	SC...09	UHM 10 HX	
Call For Details	CCGT 09T304 EN PF UHM10 MZ	Round	9.7	2	.40mm/.0157in	SC...09	UHM 10 MZ	
Call For Details	CCGT 09T308 EN PF UHM10 MZ	Round	9.7	2	.80mm/.0315in	SC...09	UHM 10 MZ	
Call For Details	CCGT 120404 EN PF UHM10 HX	Round	12.9	3.2	.40mm/.0157in	SC...12	UHM 10 HX	

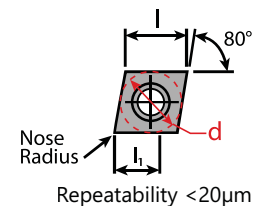
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	-	□	□	-	-	-
Finishing	■	■	■	-	■	■	-	-	-
Micro Finishing	■	■	■	-	■	■	-	-	-



CCGT Carbide PF23

Cut: Neutral

Chip Breaker: PF23, Polished Rake, Sharp Cutting Edge



		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
Call For Details	CCGT 0602005 FN PF23 UHM30 HX	Sharp	6.4	2	.05mm/.0019in	SC...06	UHM 30 HX
Call For Details	CCGT 060201 FN PF23 UHM30 HX	Sharp	6.4	2	.10mm/.0039in	SC...06	UHM 30 HX
Call For Details	CCGT 060202 FN PF23 UHM30 HX	Sharp	6.4	2	.20mm/.0079in	SC...06	UHM 30 HX
Call For Details	CCGT 09T3005 FN PF23 UHM30 HX	Sharp	9.7	3	.05mm/.0019in	SC...09	UHM 30 HX
Call For Details	CCGT 09T301 FN PF23 UHM30 HX	Sharp	9.7	3	.10mm/.0039in	SC...09	UHM 30 HX
Call For Details	CCGT 09T302 FN PF23 UHM30 HX	Sharp	9.7	3	.20mm/.0079in	SC...09	UHM 30 HX

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	□	□	□	□	□	□	-	-	-
Micro Finishing	■	■	■	□	■	■	□	-	□

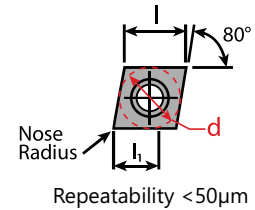




CCMT Carbide PF43

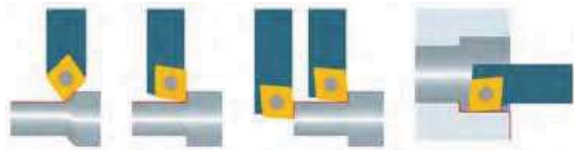
Cut: Neutral

Chip Breaker: PF43, Honed Cutting Edge



Item No.	Description	Dimensions & Features					
		Edge	I	I ₁	Nose Radius	Holder	Coating
Call For Details	CCMT 060202 EN PF43 UHM30 HX	Round	6.4	2.6	.20mm/.0079in	SC...06	UHM 30 HX
Call For Details	CCMT 060204 EN PF43 UHM30 HX	Round	6.4	2.6	.40mm/.0157in	SC...06	UHM 30 HX
Call For Details	CCMT 09T302 EN PF43 UHM30 HX	Round	9.7	4	.20mm/.0079in	SC...09	UHM 30 HX
Call For Details	CCMT 09T304 EN PF43 UHM30 MZ	Round	9.7	4	.40mm/.0157in	SC...09	UHM 30 MZ
Call For Details	CCMT 09T308 EN PF43 UHM30 MZ	Round	9.7	4	.80mm/.0315in	SC...09	UHM 30 MZ

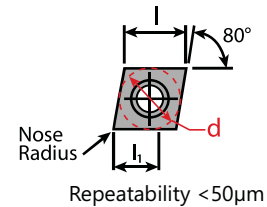
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	■	■	■	-	■	■	-	-	-
Finishing	■	■	■	-	■	■	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-



CCMT Carbide PM

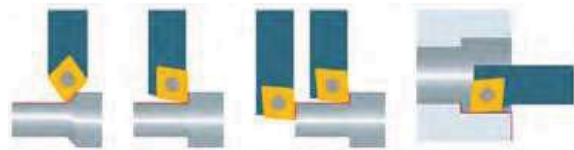
Cut: Neutral

Chip Breaker: PM, Honed Cutting Edge



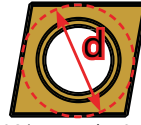
Item No.	Description	Dimensions & Features					
		Edge	I	I ₁	Nose Radius	Holder	Coating
7005-113683	CCMT 060204 EN PM UHM10 MZ	Round	6.4	2	.40mm/.0157in	SC...06	UHM 10 MZ
7005-123336	CCMT 060204 EN PM UHM20 MZ	Round	6.4	2	.40mm/.0157in	SC...06	UHM 20 MZ
7005-123337	CCMT 060204 EN PM UHM30 MZ	Round	6.4	2	.40mm/.0157in	SC...06	UHM 30 MZ
7005-113684	CCMT 060208 EN PM UHM10 MZ	Round	6.4	2	.80mm/.0315in	SC...06	UHM 10 MZ
7005-123338	CCMT 060208 EN PM UHM30 MZ	Round	6.4	2	.80mm/.0315in	SC...06	UHM 30 MZ
7005-113685	CCMT 09T304 EN PM UHM10 MZ	Round	9.7	3.2	.40mm/.0157in	SC...09	UHM 10 MZ
7005-123341	CCMT 09T304 EN PM UHM20 MZ	Round	9.7	3.2	.40mm/.0157in	SC...09	UHM 20 MZ
7005-123342	CCMT 09T304 EN PM UHM30 MZ	Round	9.7	3.2	.40mm/.0157in	SC...09	UHM 30 MZ
7005-113686	CCMT 09T308 EN PM UHM10 MZ	Round	9.7	3.2	.80mm/.0315in	SC...09	UHM 10 MZ
7005-123344	CCMT 09T308 EN PM UHM20 MZ	Round	9.7	3.2	.80mm/.0315in	SC...09	UHM 20 MZ
7005-123345	CCMT 09T308 EN PM UHM30 MZ	Round	9.7	3.2	.80mm/.0315in	SC...09	UHM 30 MZ
7005-113687	CCMT 120404 EN PM UHM10 MZ	Round	12.9	4.8	.40mm/.0157in	SC...12	UHM 10 MZ
7005-123347	CCMT 120404 EN PM UHM20 MZ	Round	12.9	4.8	.40mm/.0157in	SC...12	UHM 20 MZ
7005-123348	CCMT 120404 EN PM UHM30 MZ	Round	12.9	4.8	.40mm/.0157in	SC...12	UHM 30 MZ
7005-113688	CCMT 120408 EN PM UHM10 MZ	Round	12.9	4.8	.80mm/.0315in	SC...12	UHM 10 MZ
7005-123350	CCMT 120408 EN PM UHM20 MZ	Round	12.9	4.8	.80mm/.0315in	SC...12	UHM 20 MZ
7005-123351	CCMT 120408 EN PM UHM30 MZ	Round	12.9	4.8	.80mm/.0315in	SC...12	UHM 30 MZ

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	■	■	■	-	■	■	-	-	-
Finishing	□	□	□	-	□	□	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-



Coatings vs Material Type

Carbide										Cermet		Diamond		Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	□	■	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		



CC...06 inserts: d = .250"
 CC...09 inserts: d = .375"
 CC...12 inserts: d = .500"

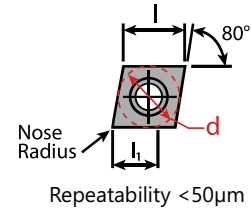
Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



CCMT Cermet PMF

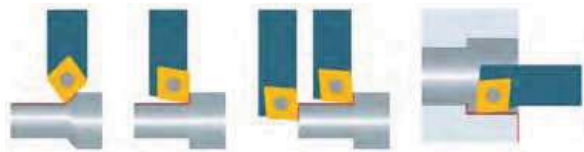
Cut: Neutral

Chip Breaker: PMF, Honed Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
Call For Details	CCMT 060204 EN PMF UCM10 MZ	Round	6.4	2	.40mm/.0157in	SC...06	UCM 10 MZ	
7005-126986	CCMT 09T304 EN PMF UCM10 MZ	Round	9.7	3.2	.40mm/.0157in	SC...09	UCM 10 MZ	
Call For Details	CCMT 09T308 EN PMF UCM10 MZ	Round	9.7	3.2	.80mm/.0315in	SC...09	UCM 10 MZ	
7005-126992	CCMT 120404 EN PMF UCM10 MZ	Round	12.9	4.8	.40mm/.0157in	SC...12	UCM 10 MZ	

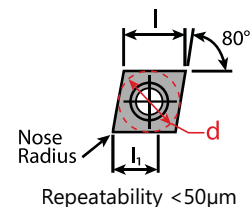
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	■	■	■	-	■	■	-	-	-
Finishing	■	■	■	-	■	■	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-



CCMT Carbide PM25

Cut: Neutral

Chip Breaker: PM25, Honed Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-112937	CCMT 060204 EN PM25 UHM20 HPX	Round	6.4	2	.40mm/.0157in	SC...06	UHM 20 HPX	
7005-112938	CCMT 09T304 EN PM25 UHM20 HPX	Round	9.7	2.2	.40mm/.0157in	SC...09	UHM 20 HPX	
7005-112939	CCMT 09T308 EN PM25 UHM20 HPX	Round	9.7	3.2	.80mm/.0315in	SC...09	UHM 20 HPX	

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	□	□	□	-	■	■	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-

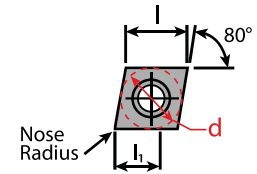




CCMT Carbide PM55

Cut: Neutral

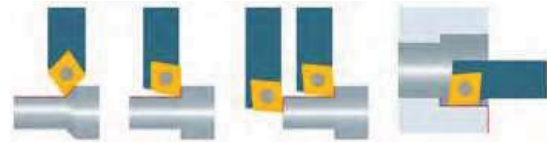
Chip Breaker: PM55, Honed Cutting Edge



Repeatability <50μm

		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-112940	CCMT 060204 EN PM55 UHM20 HPX	Round	6.4	2.6	.40mm/.0157in	SC...06	UHM 20 HPX	
7005-112721	CCMT 09T304 EN PM55 UHM20 HPX	Round	9.7	3	.40mm/.0157in	SC...09	UHM 20 HPX	
7005-112941	CCMT 09T308 EN PM55 UHM20 HPX	Round	9.7	4	.80mm/.0315in	SC...09	UHM 20 HPX	
Call For Details	CCMT 120404 EN PM55 UHM20 HPX	Round	12.9	4	.40mm/.0157in	SC...12	UHM 20 HPX	
Call For Details	CCMT 120408 EN PM55 UHM20 HPX	Round	12.9	4.8	.80mm/.0315in	SC...12	UHM 20 HPX	

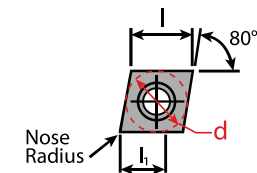
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	-	■	■	-	-	-
Finishing	-	-	-	-	-	-	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-



CCET Carbide -U

Cut: Neutral

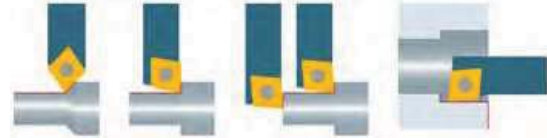
Chip Breaker: -U, Ground Rake, Sharp Cutting Edge



Repeatability <10μm

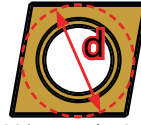
		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-123190	CCET 0602003 FR U UHM10 HX	Sharp	6.4	2.5	.03mm/.0012in	SC...06	UHM 10 HX	
7005-123551	CCET 060201 FR U UHM10 HX	Sharp	6.4	2.5	.10mm/.0039in	SC...06	UHM 10 HX	
7005-123556	CCET 060202 FR U UHM10 HX	Sharp	6.4	2.5	.20mm/.0079in	SC...06	UHM 10 HX	
7005-123565	CCET 09T3003 FR U UHM10 HX	Sharp	9.7	4	.03mm/.0012in	SC...09	UHM 10 HX	
7005-123569	CCET 09T301 FR U UHM10 HX	Sharp	9.7	4	.10mm/.0039in	SC...09	UHM 10 HX	
7005-123574	CCET 09T302 FR U UHM10 HX	Sharp	9.7	4	.20mm/.0079in	SC...09	UHM 10 HX	

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	□	□	□	-	□	□	-	-	-
Micro Finishing	■	■	■	□	■	■	□	-	□



Coatings vs Material Type

Carbide										Cermet		Diamond		Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		



CC...06 inserts: d = .250"
 CC...09 inserts: d = .375"
 CC...12 inserts: d = .500"

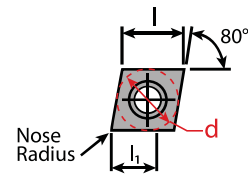
Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



CCGT Diamond

Cut: Neutral

Chip Breaker: Sharp Cutting Edge



Repeatability < 20µm

Item No.	Description	Dimensions & Features						Holder	Coating
		Edge	l	l ₁	Nose Radius				
7005-129021	CCGT 060201 FN UPCD15	Sharp	6.4	3.5	.10mm/.0039in			SC...06	UPCD 15
7005-116078	CCGT 060201 FN UPCD20	Sharp	6.4	3.5	.10mm/.0039in			SC...06	UPCD 20
7005-137707	CCGT 060202 FN UPCD15	Sharp	6.4	3.5	.20mm/.0079in			SC...06	UPCD 15
7005-116081	CCGT 060202 FN UPCD20	Sharp	6.4	3.5	.20mm/.0079in			SC...06	UPCD 20
7005-137708	CCGT 060204 FN UPCD15	Sharp	6.4	3.5	.40mm/.0157in			SC...06	UPCD 15
7005-137709	CCGT 060208 FN UPCD15	Sharp	6.4	3	.80mm/.0315in			SC...06	UPCD 15
7005-137710	CCGT 09T302 FN UPCD15	Sharp	9.7	4.5	.20mm/.0079in			SC...09	UPCD 15
7005-116091	CCGT 09T302 FN UPCD20	Sharp	9.7	4.5	.20mm/.0079in			SC...09	UPCD 20
7005-137711	CCGT 09T304 FN UPCD15	Sharp	9.7	4.3	.40mm/.0157in			SC...09	UPCD 15
7005-137712	CCGT 09T308 FN UPCD15	Sharp	9.7	4.1	.80mm/.0315in			SC...09	UPCD 15
7005-137713	CCGT 120404 FN UPCD15	Sharp	12.9	4.3	.40mm/.0157in			SC...12	UPCD 15
7005-116101	CCGT 120404 FN UPCD20	Sharp	12.9	4.3	.40mm/.0157in			SC...12	UPCD 20
7005-137714	CCGT 120408 FN UPCD15	Sharp	12.9	4.1	.80mm/.0315in			SC...12	UPCD 15

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	■	■	■

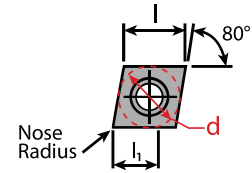




CCGT Diamond TOP Wiper

Cut: Neutral

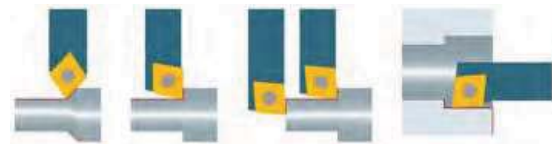
Chip Breaker: TOP Wiper, Sharp Cutting Edge



Repeatability <20μm

Item No.	Description	Dimensions & Features					
		Edge	I	I ₁	Nose Radius	Holder	Coating
7005-116079	CCGT 060201 FN TOP UP CD15	Sharp	6.4	3.5	.10mm/.0039in	SC...06	UPCD 15
7005-116080	CCGT 060201 FN TOP UP CD20	Sharp	6.4	3.5	.10mm/.0039in	SC...06	UPCD 20
7005-116082	CCGT 060202 FN TOP UP CD15	Sharp	6.4	3.5	.20mm/.0079in	SC...06	UPCD 15
7005-116083	CCGT 060202 FN TOP UP CD20	Sharp	6.4	3.5	.20mm/.0079in	SC...06	UPCD 20
7005-116086	CCGT 060204 FN TOP UP CD15	Sharp	6.4	3.5	.40mm/.0157in	SC...06	UPCD 15
7005-116092	CCGT 09T302 FN TOP UP CD15	Sharp	9.7	4.5	.20mm/.0079in	SC...09	UPCD 15
7005-116093	CCGT 09T302 FN TOP UP CD20	Sharp	9.7	4.5	.20mm/.0079in	SC...09	UPCD 20
7005-116095	CCGT 09T304 FN TOP UP CD15	Sharp	9.7	4.3	.40mm/.0157in	SC...09	UPCD 15
Call For Details	CCGT 09T304 FN TOP UP CD20	Sharp	9.7	4.3	.40mm/.0157in	SC...09	UPCD 20
Call For Details	CCGT 09T308 FN TOP UP CD15	Sharp	9.7	4.1	.80mm/.0315in	SC...09	UPCD 15
7005-116102	CCGT 120404 FN TOP UP CD15	Sharp	12.9	4.3	.40mm/.0157in	SC...12	UPCD 15
7005-116103	CCGT 120404 FN TOP UP CD20	Sharp	12.9	4.3	.40mm/.0157in	SC...12	UPCD 20
Call For Details	CCGT 120408 FN TOP UP CD15	Sharp	12.9	4.1	.80mm/.0315in	SC...12	UPCD 15
Call For Details	CCGT 120408 FN TOP UP CD20	Sharp	12.9	4.1	.80mm/.0315in	SC...12	UPCD 20

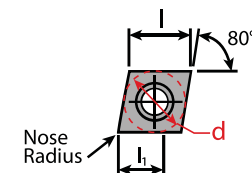
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	■	■	■



CCGT Diamond -UWS

Cut: Neutral

Chip Breaker: -UWS, Sharp Cutting Edge



Repeatability <20μm

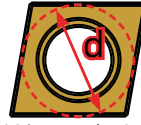
Item No.	Description	Dimensions & Features					
		Edge	I	I ₁	Nose Radius	Holder	Coating
7005-116449	CCGT 060202 FN UWS UCVD08	Sharp	6.4	3	.20mm/.0079in	SC...06	UCVD 08
7005-116253	CCGT 060202 FN UWS UP CD15	Sharp	6.4	3	.20mm/.0079in	SC...06	UPCD 15
7005-116459	CCGT 060204 FN UWS UCVD08	Sharp	6.4	3	.40mm/.0157in	SC...06	UCVD 08
7005-116263	CCGT 060204 FN UWS UP CD15	Sharp	6.4	3	.40mm/.0157in	SC...06	UPCD 15
7005-116471	CCGT 060208 FN UWS UCVD08	Sharp	6.4	3	.80mm/.0315in	SC...06	UCVD 08
7005-116274	CCGT 060208 FN UWS UP CD15	Sharp	6.4	3	.80mm/.0315in	SC...06	UPCD 15
7005-116282	CCGT 09T302 FN UWS UP CD15	Sharp	9.7	3	.20mm/.0079in	SC...09	UPCD 15
7005-116489	CCGT 09T304 FN UWS UCVD08	Sharp	9.7	3	.40mm/.0157in	SC...09	UCVD 08
7005-116291	CCGT 09T304 FN UWS UP CD15	Sharp	9.7	3	.40mm/.0157in	SC...09	UPCD 15
7005-116316	CCGT 120404 FN UWS UP CD15	Sharp	12.9	3	.40mm/.0157in	SC...12	UPCD 15
7005-116327	CCGT 120408 FN UWS UP CD15	Sharp	12.9	3	.80mm/.0315in	SC...12	UPCD 15

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	-	-	-	-	-	-	□	□	□
Micro Finishing	-	-	-	-	-	-	■	■	■



Coatings vs Material Type

Carbide										Cermet		Diamond		Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		



CC...06 inserts: d = .250"
 CC...09 inserts: d = .375"
 CC...12 inserts: d = .500"

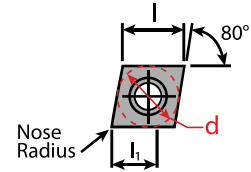
Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



CCGT Diamond -UWS TOP Wiper

Cut: Neutral

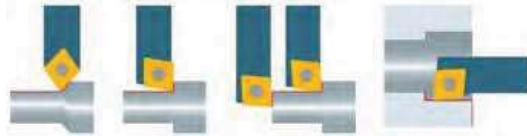
Chip Breaker: -UWS, TOP Wiper, Sharp Cutting Edge



Repeatability < 20μm

		Dimensions & Features					
Item No.	Description	Edge	l	l ₁	Nose Radius	Holder	Coating
7005-116453	CCGT 060202 FN TOP UWS UCVD08	Sharp	6.4	3	.20mm/.0079in	SC...06	UCVD 08
7005-116463	CCGT 060204 FN TOP UWS UCVD08	Sharp	6.4	3	.40mm/.0157in	SC...06	UCVD 08
7005-116267	CCGT 060204 FN TOP UWS UPCD15	Sharp	6.4	3	.40mm/.0157in	SC...06	UPCD 15
Call For Details	CCGT 09T302 FN TOP UWS UCVD08	Sharp	9.7	3	.20mm/.0079in	SC...09	UCVD 08
7005-116493	CCGT 09T304 FN TOP UWS UCVD08	Sharp	9.7	3	.40mm/.0157in	SC...09	UCVD 08
7005-116295	CCGT 09T304 FN TOP UWS UPCD15	Sharp	9.7	3	.40mm/.0157in	SC...09	UPCD 15
7005-116523	CCGT 120404 FN TOP UWS UCVD08	Sharp	12.9	3	.40mm/.0157in	SC...12	UCVD 08
Call For Details	CCGT 120408 FN TOP UWS UCVD08	Sharp	12.9	3	.80mm/.0315in	SC...12	UCVD 08
Call For Details	CCGT 120408 FN TOP UWS UPCD15	Sharp	12.9	3	.80mm/.0315in	SC...12	UPCD 15

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	-	-	-	-	-	-	□	□	□
Micro Finishing	-	-	-	-	-	-	■	■	■

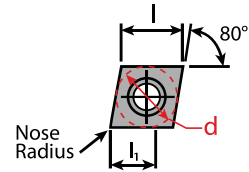




CCGT Diamond -UWN

Cut: Neutral

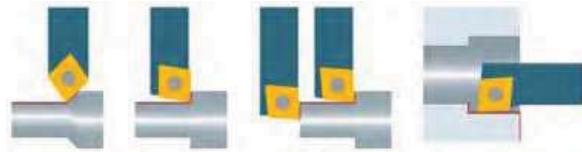
Chip Breaker: -UWN, Sharp Cutting Edge



Repeatability <20µm

		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-116448	CCGT 060202 FN UWN UCVD08	Sharp	6.4	3	.20mm/.0079in	SC...06	UCVD 08	
7005-116252	CCGT 060202 FN UWN UPCD20	Sharp	6.4	3	.20mm/.0079in	SC...06	UPCD 20	
7005-116458	CCGT 060204 FN UWN UCVD08	Sharp	6.4	3	.40mm/.0157in	SC...06	UCVD 08	
Call For Details	CCGT 060204 FN UWN UPCD15	Sharp	6.4	3	.40mm/.0157in	SC...06	UPCD 15	
7005-116262	CCGT 060204 FN UWN UPCD20	Sharp	6.4	3	.40mm/.0157in	SC...06	UPCD 20	
7005-116470	CCGT 060208 FN UWN UCVD08	Sharp	6.4	3	.80mm/.0315in	SC...06	UCVD 08	
7005-116273	CCGT 060208 FN UWN UPCD20	Sharp	6.4	3	.80mm/.0315in	SC...06	UPCD 20	
7005-116478	CCGT 09T302 FN UWN UCVD08	Sharp	9.7	3	.20mm/.0079in	SC...09	UCVD 08	
7005-116281	CCGT 09T302 FN UWN UPCD20	Sharp	9.7	3	.20mm/.0079in	SC...09	UPCD 20	
7005-116488	CCGT 09T304 FN UWN UCVD08	Sharp	9.7	3	.40mm/.0157in	SC...09	UCVD 08	
7005-116290	CCGT 09T304 FN UWN UPCD20	Sharp	9.7	3	.40mm/.0157in	SC...09	UPCD 20	
7005-116500	CCGT 09T308 FN UWN UCVD08	Sharp	9.7	3	.80mm/.0315in	SC...09	UCVD 08	
Call For Details	CCGT 09T308 FN UWN UPCD20	Sharp	9.7	3	.80mm/.0315in	SC...09	UPCD 20	
7005-116518	CCGT 120404 FN UWN UCVD08	Sharp	12.9	3	.40mm/.0157in	SC...12	UCVD 08	
7005-116315	CCGT 120404 FN UWN UPCD20	Sharp	12.9	3	.40mm/.0157in	SC...12	UPCD 20	
Call For Details	CCGT 120408 FN UWN UCVD08	Sharp	12.9	3	.80mm/.0315in	SC...12	UCVD 08	
7005-116326	CCGT 120408 FN UWN UPCD20	Sharp	12.9	3	.80mm/.0315in	SC...12	UPCD 20	

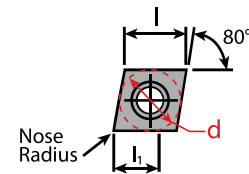
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	-	-	-



CCGT Diamond -UWN TOP Wiper

Cut: Neutral

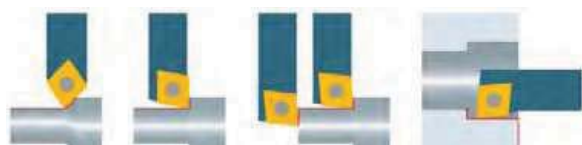
Chip Breaker: -UWN, TOP Wiper, Sharp Cutting Edge



Repeatability <20µm

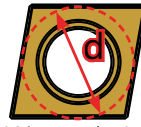
		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-116452	CCGT 060202 FN TOP UWN UCVD08	Sharp	6.4	3	.20mm/.0079in	SC...06	UCVD 08	
7005-116256	CCGT 060202 FN TOP UWN UPCD15	Sharp	6.4	3	.20mm/.0079in	SC...06	UPCD 15	
Call For Details	CCGT 060202 FN TOP UWN UPCD20	Sharp	6.4	3	.20mm/.0079in	SC...06	UPCD 20	
Call For Details	CCGT 060204 FN TOP UWN UCVD08	Sharp	6.4	3	.40mm/.0157in	SC...06	UCVD 08	
7005-116266	CCGT 060204 FN TOP UWN UPCD15	Sharp	6.4	3	.40mm/.0157in	SC...06	UPCD 15	
Call For Details	CCGT 060204 FN TOP UWN UPCD20	Sharp	6.4	3	.40mm/.0157in	SC...06	UPCD 20	
7005-116482	CCGT 09T302 FN TOP UWN UCVD08	Sharp	9.7	3	.20mm/.0079in	SC...09	UCVD 08	
7005-116285	CCGT 09T302 FN TOP UWN UPCD15	Sharp	9.7	3	.20mm/.0079in	SC...09	UPCD 15	
Call For Details	CCGT 09T302 FN TOP UWN UPCD20	Sharp	9.7	3	.20mm/.0079in	SC...09	UPCD 20	
7005-116492	CCGT 09T304 FN TOP UWN UCVD08	Sharp	9.7	3	.40mm/.0157in	SC...09	UCVD 08	
7005-116294	CCGT 09T304 FN TOP UWN UPCD15	Sharp	9.7	3	.40mm/.0157in	SC...09	UPCD 15	
Call For Details	CCGT 09T304 FN TOP UWN UPCD20	Sharp	9.7	3	.40mm/.0157in	SC...09	UPCD 20	
7005-116522	CCGT 120404 FN TOP UWN UCVD08	Sharp	12.9	3	.40mm/.0157in	SC...12	UCVD 08	
Call For Details	CCGT 120404 FN TOP UWN UPCD15	Sharp	12.9	3	.40mm/.0157in	SC...12	UPCD 15	
Call For Details	CCGT 120404 FN TOP UWN UPCD20	Sharp	12.9	3	.40mm/.0157in	SC...12	UPCD 20	
Call For Details	CCGT 120408 FN TOP UWN UCVD08	Sharp	12.9	3	.80mm/.0315in	SC...12	UCVD 08	
Call For Details	CCGT 120408 FN TOP UWN UPCD15	Sharp	12.9	3	.80mm/.0315in	SC...12	UPCD 15	
Call For Details	CCGT 120408 FN TOP UWN UPCD20	Sharp	12.9	3	.80mm/.0315in	SC...12	UPCD 20	

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	-	-	-



Coatings vs Material Type

Carbide										Cermet		Diamond		Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		



CC...06 inserts: d = .250"
 CC...09 inserts: d = .375"
 CC...12 inserts: d = .500"

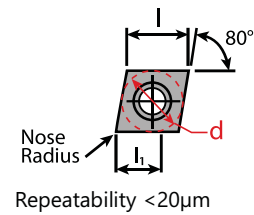
Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



CCGT Diamond -UWR

Cut: Neutral

Chip Breaker: -UWR, Sharp Cutting Edge



Item No.	Description	Dimensions & Features						Holder	Coating
		Edge	l	l ₁	Nose Radius				
Call For Details	CCGT 060204 FN UWR UPCD20	Sharp	6.4	3	.40mm/.0157in			SC...06	UPCD 20
Call For Details	CCGT 09T304 FN UWR UPCD20	Sharp	9.7	3	.40mm/.0157in			SC...09	UPCD 20
Call For Details	CCGT 09T308 FN UWR UPCD20	Sharp	9.7	3	.80mm/.0315in			SC...09	UPCD 20

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	-	-	-

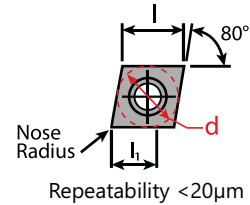




CCGW Diamond

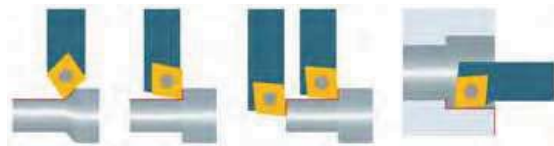
Cut: Neutral

Chip Breaker: Sharp Cutting Edge



Item No.	Description	Dimensions & Features					
		Edge	I	I ₁	Nose Radius	Holder	Coating
Call For Details	CCGW 060201 FN UPCD15	Sharp	6.4	3.4	.10mm/.0039in	SC...06	UPCD 15
Call For Details	CCGW 060201 FN UPCD20	Sharp	6.4	3.4	.10mm/.0039in	SC...06	UPCD 20
7005-116871	CCGW 060202 FN UCVD08	Sharp	6.4	3.4	.20mm/.0079in	SC...06	UCVD 08
7005-129020	CCGW 060202 FN UPCD15	Sharp	6.4	3.4	.20mm/.0079in	SC...06	UPCD 15
7005-116108	CCGW 060202 FN UPCD20	Sharp	6.4	3.4	.20mm/.0079in	SC...06	UPCD 20
7005-116872	CCGW 060204 FN UCVD08	Sharp	6.4	3.2	.40mm/.0157in	SC...06	UCVD 08
7005-120638	CCGW 060204 FN UPCD15	Sharp	6.4	3.2	.40mm/.0157in	SC...06	UPCD 15
7005-116112	CCGW 060204 FN UPCD20	Sharp	6.4	3.2	.40mm/.0157in	SC...06	UPCD 20
7005-120640	CCGW 060208 FN UPCD15	Sharp	6.4	3	.80mm/.0315in	SC...06	UPCD 15
Call For Details	CCGW 09T302 FN UCVD08	Sharp	9.7	4.5	.20mm/.0079in	SC...09	UCVD 08
7005-120641	CCGW 09T302 FN UPCD15	Sharp	9.7	4.5	.20mm/.0079in	SC...09	UPCD 15
7005-116119	CCGW 09T302 FN UPCD20	Sharp	9.7	4.5	.20mm/.0079in	SC...09	UPCD 20
7005-116876	CCGW 09T304 FN UCVD08	Sharp	9.7	4.3	.40mm/.0157in	SC...09	UCVD 08
7005-120643	CCGW 09T304 FN UPCD15	Sharp	9.7	4.3	.40mm/.0157in	SC...09	UPCD 15
7005-116122	CCGW 09T304 FN UPCD20	Sharp	9.7	4.3	.40mm/.0157in	SC...09	UPCD 20
7005-116877	CCGW 09T308 FN UCVD08	Sharp	9.7	4.1	.80mm/.0315in	SC...09	UCVD 08
7005-137715	CCGW 09T308 FN UPCD15	Sharp	9.7	4.1	.80mm/.0315in	SC...09	UPCD 15
7005-129044	CCGW 120404 FN UPCD15	Sharp	12.9	4.3	.40mm/.0157in	SC...12	UPCD 15
7005-116130	CCGW 120404 FN UPCD20	Sharp	12.9	4.3	.40mm/.0157in	SC...12	UPCD 20
7005-137716	CCGW 120408 FN UPCD15	Sharp	12.9	4.1	.80mm/.0315in	SC...12	UPCD 15

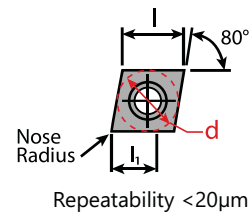
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	-	-	-



CCGW Diamond TOP Wiper

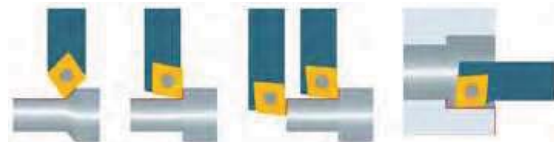
Cut: Neutral

Chip Breaker: TOP Wiper, Sharp Cutting Edge



Item No.	Description	Dimensions & Features					
		Edge	I	I ₁	Nose Radius	Holder	Coating
7005-116106	CCGW 060201 FN TOP UPCD15	Sharp	6.4	3.4	.10mm/.0039in	SC...06	UPCD 15
7005-116107	CCGW 060201 FN TOP UPCD20	Sharp	6.4	3.4	.10mm/.0039in	SC...06	UPCD 20
7005-116109	CCGW 060202 FN TOP UPCD15	Sharp	6.4	3.4	.20mm/.0079in	SC...06	UPCD 15
7005-116110	CCGW 060202 FN TOP UPCD20	Sharp	6.4	3.4	.20mm/.0079in	SC...06	UPCD 20
Call For Details	CCGW 060204 FN TOP UPCD15	Sharp	6.4	3.2	.40mm/.0157in	SC...06	UPCD 15
7005-116117	CCGW 09T301 FN TOP UPCD15	Sharp	9.7	4.5	.10mm/.0039in	SC...09	UPCD 15
7005-116118	CCGW 09T301 FN TOP UPCD20	Sharp	9.7	4.5	.10mm/.0039in	SC...09	UPCD 20
7005-116120	CCGW 09T302 FN TOP UPCD15	Sharp	9.7	4.5	.20mm/.0079in	SC...09	UPCD 15
7005-116121	CCGW 09T302 FN TOP UPCD20	Sharp	9.7	4.5	.20mm/.0079in	SC...09	UPCD 20
7005-116123	CCGW 09T304 FN TOP UPCD15	Sharp	9.7	4.3	.40mm/.0157in	SC...09	UPCD 15
7005-116128	CCGW 120402 FN TOP UPCD15	Sharp	12.9	4.3	.20mm/.0079in	SC...12	UPCD 15
7005-116129	CCGW 120402 FN TOP UPCD20	Sharp	12.9	4.3	.20mm/.0079in	SC...12	UPCD 20
7005-116131	CCGW 120404 FN TOP UPCD15	Sharp	12.9	4.3	.40mm/.0157in	SC...12	UPCD 15
7005-116132	CCGW 120404 FN TOP UPCD20	Sharp	12.9	4.3	.40mm/.0157in	SC...12	UPCD 20

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	■	■	■





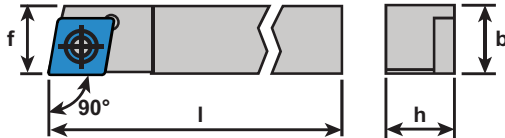
ISO Holder SCAC...U

Type: 90°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	h	b	l	f	Inserts
7005-045072	SCACL 0808 K06 U	7005-045078	SCACR 0808 K06 U	8	8	125	8	CC 0602
7005-045073	SCACL 1010 M06 U	7005-045079	SCACR 1010 M06 U	10	10	150	10	CC 0602
7005-045074	SCACL 1212 M09 U	7005-045080	SCACR 1212 M09 U	12	12	150	12	CC 09T3
7005-045076	SCACL 1616 H09 U	7005-045082	SCACR 1616 H09 U	16	16	100	16	CC 09T3
7005-045077	SCACL 2020 K12 U	7005-045083	SCACR 2020 K12 U	20	20	125	20	CC 1204



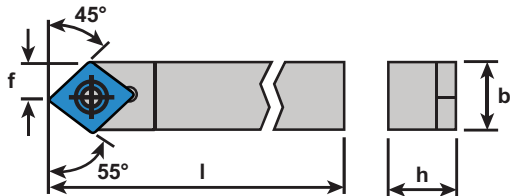
ISO Holder SCDC...U

Type: 45°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Dimensions & Features				
Item No.	Description	h	b	l	f	Inserts
7005-045084	SCDCL 0808 K06 U	8	8	125	8	CC 0602
7005-045085	SCDCL 1010 M06 U	10	10	150	10	CC 0602
7005-045086	SCDCL 1212 M09 U	12	12	150	12	CC 09T3



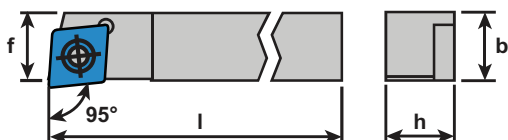
ISO Holder SCLC...U

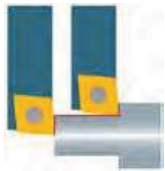
Type: 95°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	h	b	l	f	Inserts
7005-148792	SCLCL 0808 F06 U	7005-148790	SCLCR 0808 F06 U	8	8	80	8	CC 0602
7005-045176	SCLCL 0808 H06 U	7005-045179	SCLCR 0808 H06 U	8	8	100	8	CC 0602
7005-148793	SCLCL 1010 F06 U	7005-148791	SCLCR 1010 F06 U	10	10	80	10	CC 0602
Call For Details	SCLCL 1010 H06 U	7005-045182	SCLCR 1010 H06 U	10	10	100	10	CC 0602
7005-045178	SCLCL 1212 H09 U	7005-045180	SCLCR 1212 H09 U	12	12	100	12	CC 09T3
Call For Details	SCLCL 1616 K09 U	Call For Details	SCLCR 1616 K09 U	16	16	125	16	CC 09T3
Call For Details	SCLCL 3/8" H06 U	Call For Details	SCLCR 3/8" H06 U	3/8"	3/8"	100	3/8"	CC 09T3
Call For Details	SCLCL 1/2" H09 U	7005-144711	SCLCR 1/2" H09 U	1/2"	1/2"	100	1/2"	CC 09T3
Call For Details	SCLCL 5/8" K09 U	Call For Details	SCLCR 5/8" K09 U	5/8"	5/8"	125	5/8"	CC 09T3





ISO Coolant-Thru Holder SCLC...U

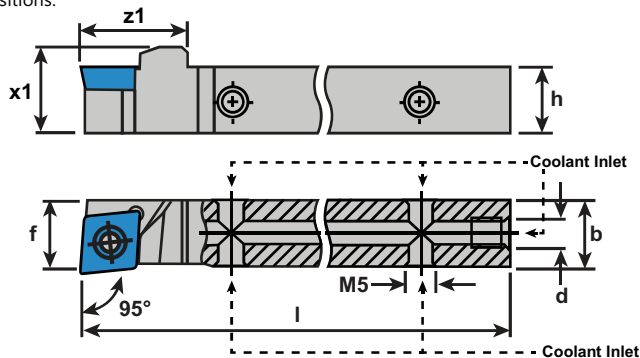
Type: 95°

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features								Coolant Fittings		
Item No.	Description	Item No.	Description	h	b	l	z ¹	x ¹	f	(d)		Side	Rear	Inserts
7005-146351	SCLCL 0808 H06 U IC	7005-146348	SCLCR 0808 H06 U IC	8	8	100	16	11.5	8	M5		4005-000111	4005-000111	CC 0602
7005-146352	SCLCL 1010 H06 U IC	7005-146349	SCLCR 1010 H06 U IC	10	10	100	16	13.5	10	M5		4005-000111	4005-000111	CC 0602
7005-146353	SCLCL 1212 H09 U IC	7005-146350	SCLCR 1212 H09 U IC	12	12	100	19	15.5	12	M5		4005-000111	4005-000111	CC 09T3
7005-169189	SCLCL 1616 K09 U IC	7005-169188	SCLCR 1616 K09 U IC	16	16	125	19	19.5	16	G1/8"		4005-000111	4005-000104	CC 09T3
Call For Details	SCLCL 3/8" H06 U IC	Call For Details	SCLCR 3/8" H06 U IC	3/8"	3/8"	100	16	13	3/8"	M5		4005-000111	4005-000111	CC 0602
Call For Details	SCLCL 1/2" H09 U IC	Call For Details	SCLCR 1/2" H09 U IC	1/2"	1/2"	100	19	16.2	1/2"	M5		4005-000111	4005-000111	CC 09T3
Call For Details	SCLCL 5/8" K09 U IC	7005-144716	SCLCR 5/8" K09 U IC	5/8"	5/8"	125	19	19.4	5/8"	G1/8"		4005-000111	4005-000104	CC 09T3

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.



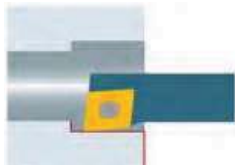
4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks



4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
**Fits Position (d) On Tool Holders
Sold Separately.**



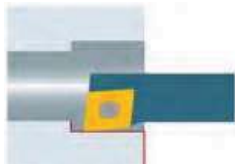
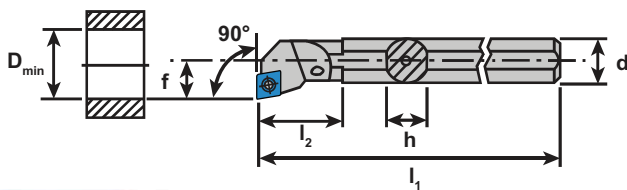
ISO Round Shank Holder SCFC

Type: 90°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features									
Item No.	Description	Item No.	Description	h	d	l ₁	l ₂	f	D _{min}			Inserts	
7005-045209	A08F SCFCL 06	7005-045213	A08F SCFCR 06	7.6	8	80	17	5	11			CC 0602	
7005-045211	A10H SCFCL 06	7005-045214	A10H SCFCR 06	9.5	10	100	19	7	13			CC 0602	
7005-045212	A12K SCFCL 06	7005-045215	A12K SCFCR 06	11.5	12	125	22	9	16			CC 0602	



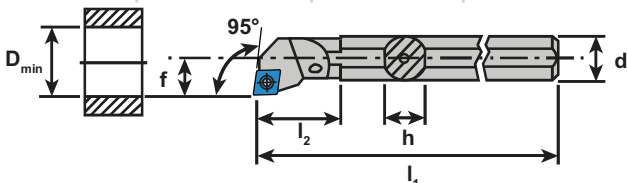
ISO Round Shank Holder SCLC

Type: 95°

Coolant-Thru: None

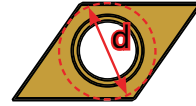
Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features									
Item No.	Description	Item No.	Description	h	d	l ₁	l ₂	f	D _{min}			Inserts	
7005-045216	A08F SCLCL 06	7005-045217	A08F SCLCR 06	7.6	8	80	17	5	11			CC 0602	
7005-045218	A10H SCLCL 06	7005-045219	A10H SCLCR 06	9.5	10	100	19	7	13			CC 0602	
7005-045220	A12K SCLCL 06	7005-045221	A12K SCLCR 06	11.5	12	125	22	9	16			CC 0602	
7005-045222	A16M SCLCL 09	7005-045223	A16M SCLCR 09	15	16	150	29	11	20			CC 09T3	
7005-045224	A20Q SCLCL 09	7005-045225	A20Q SCLCR 09	18.5	20	180	32	13	25			CC 09T3	



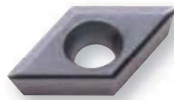
Coatings vs Material Type

Carbide										Cermet		Diamond			Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel		
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel		
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys		
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals		
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20			



DC...07 inserts: d = .250"
DC...11 inserts: d = .375"

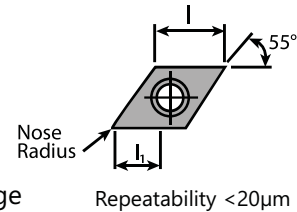
Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



DCGT Carbide A3

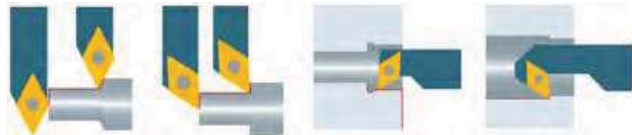
Cut: Neutral

Chip Breaker: A3, Polished Rake, Sharp Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-123090	DCGT 0702006 FN A3 UHM10 HX	Sharp	7.75	4.1	.06mm/.0023in	SD...07	UHM 10 HX	
Call For Details	DCGT 0702006 FN A3 UHM20 HPX	Sharp	7.75	4.1	.06mm/.0023in	SD...07	UHM 20 HPX	
7005-123092	DCGT 0702015 FN A3 UHM10 HX	Sharp	7.75	4.1	.15mm/.0059in	SD...07	UHM 10 HX	
Call For Details	DCGT 0702015 FN A3 UHM20 HPX	Sharp	7.75	4.1	.15mm/.0059in	SD...07	UHM 20 HPX	
7005-137043	DCGT 0702035 FN A3 UHM10 HX	Sharp	7.75	4.1	.35mm/.0137in	SD...07	UHM 10 HX	
7005-116985	DCGT 0702035 FN A3 UHM20 HPX	Sharp	7.75	4.1	.35mm/.0137in	SD...07	UHM 20 HPX	
7005-123094	DCGT 11T3008 FN A3 UHM10 HX	Sharp	11.6	7.2	.08mm/.0031in	SD...11	UHM 10 HX	
Call For Details	DCGT 11T3008 FN A3 UHM20 HPX	Sharp	11.6	7.2	.08mm/.0031in	SD...11	UHM 20 HPX	
7005-123096	DCGT 11T3015 FN A3 UHM10 HX	Sharp	11.6	7.2	.15mm/.0059in	SD...11	UHM 10 HX	
Call For Details	DCGT 11T3015 FN A3 UHM20 HPX	Sharp	11.6	7.2	.15mm/.0059in	SD...11	UHM 20 HPX	
7005-123947	DCGT 11T3035 FN A3 UHM10 HX	Sharp	11.6	7.2	.35mm/.0137in	SD...11	UHM 10 HX	
Call For Details	DCGT 11T3035 FN A3 UHM20 HPX	Sharp	11.6	7.2	.35mm/.0137in	SD...11	UHM 20 HPX	

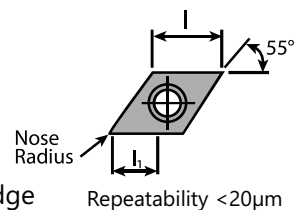
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	□	□	□	□	□	□	■	-	■
Micro Finishing	■	■	■	■	■	■	■	-	■



DCGT Carbide PA3

Cut: Neutral

Chip Breaker: PA3, Polished Rake, Sharp Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-123606	DCGT 070204 FN PA3 UHM10 HX	Sharp	7.75	4	0.4mm/.0157in	SD...07	UHM 10 HX	
7005-123632	DCGT 11T304 FN PA3 UHM10 HX	Sharp	11.6	6.2	0.4mm/.0157in	SD...11	UHM 10 HX	
7005-013474	DCGT 11T308 FN PA3 UHM10 HX	Sharp	11.6	6.2	0.8mm/.0314in	SD...11	UHM 10 HX	

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	-	□
Finishing	□	□	□	□	□	□	■	-	■
Micro Finishing	■	■	■	■	■	■	■	-	■

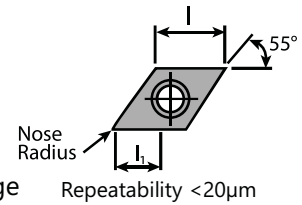




DCGT Carbide PA5

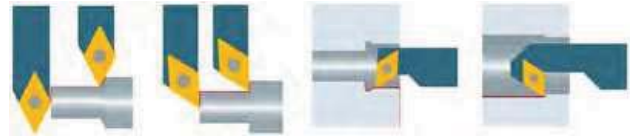
Cut: Neutral

Chip Breaker: PA5, Polished Rake, Sharp Cutting Edge



		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-123450	DCGT 070202 FN PA5 UHM10 HX	Sharp	7.75	4.1	.2mm/.0078in	SD...07	UHM 10 HX
7005-123452	DCGT 070204 FN PA5 UHM10 HX	Sharp	7.75	4.1	.4mm/.0157in	SD...07	UHM 10 HX
7005-125738	DCGT 11T302 FN PA5 UHM10 HX	Sharp	11.6	7.2	.2mm/.0078in	SD...11	UHM 10 HX
7005-123453	DCGT 11T304 FN PA5 UHM10 HX	Sharp	11.6	7.2	.4mm/.0157in	SD...11	UHM 10 HX
7005-123769	DCGT 11T308 FN PA5 UHM10 HX	Sharp	11.6	7.2	.8mm/.0314in	SD...11	UHM 10 HX

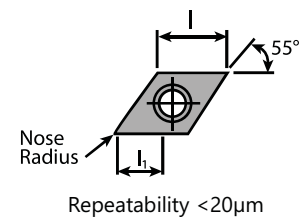
Material Class									
Application	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	-	□
Finishing	■	■	■	□	■	■	■	-	■
Micro Finishing	■	■	■	□	■	■	■	-	■



DCGT Carbide TOP5

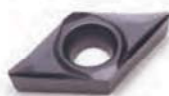
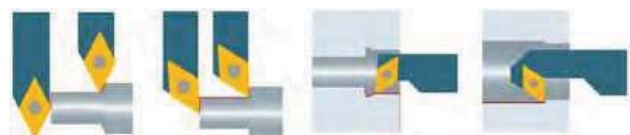
Cut: Neutral

Chip Breaker: TOP5, Polished Rake, Sharp Cutting Edge



		Dimensions & Features							
Item No.	Description	Hand	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-126913	DCGT 11T304 FL TOP5 UHM10 HX	Left	Sharp	11.6	7.2	.4mm/.0157in	SD...11	UHM 10 HX	
7005-126917	DCGT 11T308 FL TOP5 UHM10 HX	Left	Sharp	11.6	7.2	.8mm/.0314in	SD...11	UHM 10 HX	
7005-126904	DCGT 11T304 FR TOP5 UHM10 HX	Right	Sharp	11.6	7.2	.4mm/.0157in	SD...11	UHM 10 HX	
7005-126905	DCGT 11T308 FR TOP5 UHM10 HX	Right	Sharp	11.6	7.2	.8mm/.0314in	SD...11	UHM 10 HX	
7005-126924	DCGT 11T304 FN TOP5 UHM10 HX	Neutral	Sharp	11.6	7.2	.4mm/.0157in	SD...11	UHM 10 HX	
7005-126927	DCGT 11T308 FN TOP5 UHM10 HX	Neutral	Sharp	11.6	7.2	.8mm/.0314in	SD...11	UHM 10 HX	

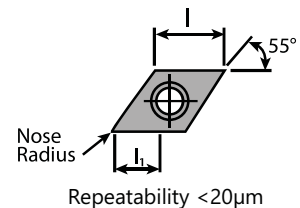
Material Class									
Application	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	□	□	□	□	-	□
Finishing	■	■	■	□	■	■	■	-	■
Micro Finishing	□	□	□	□	□	□	□	-	□



DCGT Carbide PA7

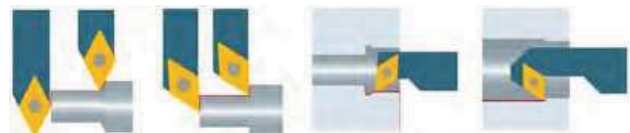
Cut: Neutral

Chip Breaker: PA7, Sharp Cutting Edge



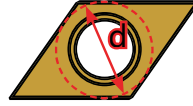
		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-114381	DCGT 0702005 FN PA7 UHM10 HX	Sharp	7.75	4	.05mm/.0019in	SD...07	UHM 10 HX
7005-113032	DCGT 070201 FN PA7 UHM10 HX	Sharp	7.75	4	.1mm/.0039in	SD...07	UHM 10 HX
7005-123451	DCGT 070202 FN PA7 UHM10 HX	Sharp	7.75	4	.2mm/.0078in	SD...07	UHM 10 HX
7005-012952	DCGT 070204 FN PA7 UHM10 HX	Sharp	7.75	4	.4mm/.0157in	SD...07	UHM 10 HX
7005-114383	DCGT 11T3005 FN PA7 UHM10 HX	Sharp	11.6	7.2	.05mm/.0019in	SD...11	UHM 10 HX
7005-114385	DCGT 11T301 FN PA7 UHM10 HX	Sharp	11.6	7.2	.1mm/.0039in	SD...11	UHM 10 HX
7005-013265	DCGT 11T302 FN PA7 UHM10 HX	Sharp	11.6	7.2	.2mm/.0078in	SD...11	UHM 10 HX
7005-123454	DCGT 11T304 FN PA7 UHM10 HX	Sharp	11.6	7.2	.4mm/.0157in	SD...11	UHM 10 HX
7005-123455	DCGT 11T308 FN PA7 UHM10 HX	Sharp	11.6	7.2	.8mm/.0314in	SD...11	UHM 10 HX

Material Class									
Application	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	-	□
Finishing	□	□	□	□	□	□	■	-	■
Micro Finishing	■	■	■	□	■	■	■	-	■



Coatings vs Material Type

Carbide										Cermet		Diamond		Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		



DC...07 inserts: d = .250"
DC...11 inserts: d = .375"

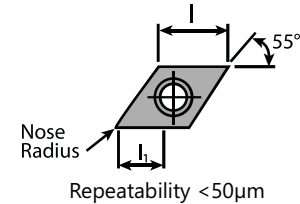
Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



DCXT Carbide PA9

Cut: Neutral

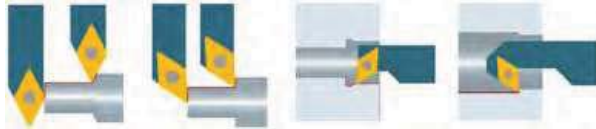
Chip Breaker: PA9, Honed Cutting Edge



Repeatability < 50µm

Item No.	Description	Dimensions & Features						Coating
		Edge	I	I ₁	Nose Radius	Holder		
7005-138588	DCXT 070204 EN PA9 UHM10 HX	Honed	7.75	4	.4mm/.0157in	SD...11		UHM 10 HX
7005-138590	DCXT 11T304 EN PA9 UHM10 HX	Honed	11.6	7.2	.4mm/.0157in	SD...11		UHM 10 HX
7005-138592	DCXT 11T308 EN PA9 UHM10 HX	Honed	11.6	7.2	.8mm/.0314in	SD...16		UHM 10 HX

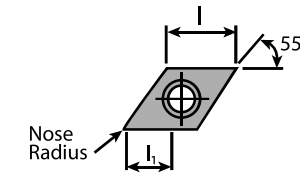
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	□	□	□	■	-	-
Finishing	■	■	■	■	■	■	□	-	-
Micro Finishing	□	□	□	-	□	□	-	-	-



DCGT Carbide/Cermet PF

Cut: Neutral

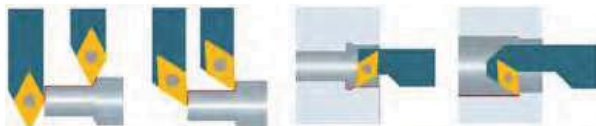
Chip Breaker: PF, Sharp Or Honed Cutting Edge



Repeatability < 20µm

Item No.	Description	Dimensions & Features						Coating
		Edge	I	I ₁	Nose Radius	Holder		
7005-138962	DCGT 070201 EN PF UCM10 HX	Honed	7.75	2.8	.1mm/.0039in	SD...07		UCM 10 HX
7005-123353	DCGT 070202 EN PF UHM20 MZ	Honed	7.75	2.8	.2mm/.0078in	SD...07		UHM 20 MZ
7005-123354	DCGT 070202 EN PF UHM30 MZ	Honed	7.75	2.8	.2mm/.0078in	SD...07		UHM 30 MZ
7005-123839	DCGT 070202 EN PF UCM10 HX	Honed	7.75	2.8	.2mm/.0078in	SD...07		UCM 10 HX
Call For Details	DCGT 070202 EN PF UCM10 MZ	Honed	7.75	2.8	.2mm/.0078in	SD...07		UCM 10 MZ
7005-123604	DCGT 070204 EN PF UCM10 HX	Honed	7.75	2.8	.4mm/.0157in	SD...07		UCM 10 HX
Call For Details	DCGT 070204 EN PF UCM10 MZ	Honed	7.75	2.8	.4mm/.0157in	SD...07		UCM 10 MZ
7005-013460	DCGT 11T302 EN PF UCM10 HX	Honed	11.6	3.9	.2mm/.0078in	SD...11		UCM 10 HX
7005-127009	DCGT 11T302 EN PF UCM10 MZ	Honed	11.6	3.9	.2mm/.0078in	SD...11		UCM 10 MZ
7005-013274	DCGT 11T304 EN PF UCM10 HX	Honed	11.6	3.9	.4mm/.0157in	SD...11		UCM 10 HX
Call For Details	DCGT 11T304 EN PF UCM10 MZ	Honed	11.6	3.9	.4mm/.0157in	SD...11		UCM 10 MZ
7005-123635	DCGT 11T308 EN PF UCM10 HX	Honed	11.6	3.9	.8mm/.0314in	SD...11		UCM 10 HX
Call For Details	DCGT 11T308 EN PF UCM10 MZ	Honed	11.6	3.9	.8mm/.0314in	SD...11		UCM 10 MZ
7005-121943	DCGT 070201 FN PF UHM30 HX	Sharp	7.75	2.8	.1mm/.0039in	SD...07		UHM 30 HX
Call For Details	DCGT 070201 FN PF UHM30 SX	Sharp	7.75	2.8	.1mm/.0039in	SD...07		UHM 30 SX
7005-121841	DCGT 070202 FN PF UHM30 HX	Sharp	7.75	2.8	.2mm/.0078in	SD...07		UHM 30 HX
Call For Details	DCGT 070202 FN PF UHM30 SX	Sharp	7.75	2.8	.2mm/.0078in	SD...07		UHM 30 SX
7005-013518	DCGT 11T302 FN PF UHM30 HX	Sharp	11.6	3.9	.2mm/.0078in	SD...11		UHM 30 HX
Call For Details	DCGT 11T302 FN PF UHM30 SX	Sharp	11.6	3.9	.2mm/.0078in	SD...11		UHM 30 SX
7005-125251	DCGT 11T304 FN PF UHM30 HX	Sharp	11.6	3.9	.4mm/.0157in	SD...11		UHM 30 HX
Call For Details	DCGT 11T304 FN PF UHM30 SX	Sharp	11.6	3.9	.4mm/.0157in	SD...11		UHM 30 SX

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	-	□	□	-	-	-
Finishing	■	■	■	-	■	■	-	-	-
Micro Finishing	■	■	■	-	■	■	-	-	-





DCMT Carbide PF

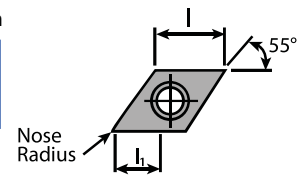
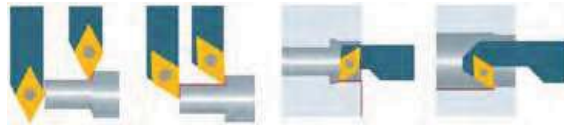
Cut: Neutral

Chip Breaker: PF, Honed Cutting Edge

Repeatability <50µm

Item No.	Description	Dimensions & Features					
		Edge	I	I ₁	Nose Radius	Holder	Coating
Call For Details	DCMT 070204 EN -PF UHM10 HX	Honed	7.75	2.9	.4mm/.0157in	SD...07	UHM 10 HX
7005-123361	DCMT 070204 EN -PF UHM20 MZ	Honed	7.75	2.9	.4mm/.0157in	SD...07	UHM 20 MZ
7005-123362	DCMT 070204 EN -PF UHM30 MZ	Honed	7.75	2.9	.4mm/.0157in	SD...07	UHM 30 MZ
Call For Details	DCMT 11T304 EN -PF UHM10 HX	Honed	11.6	4.4	.4mm/.0157in	SD...11	UHM 10 HX
7005-123366	DCMT 11T304 EN -PF UHM20 MZ	Honed	11.6	4.4	.4mm/.0157in	SD...11	UHM 20 MZ
7005-123367	DCMT 11T304 EN -PF UHM30 MZ	Honed	11.6	4.4	.4mm/.0157in	SD...11	UHM 30 MZ
Call For Details	DCMT 11T308 EN -PF UHM10 HX	Honed	11.6	4.4	.8mm/.0314in	SD...11	UHM 10 HX
7005-123370	DCMT 11T308 EN -PF UHM20 MZ	Honed	11.6	4.4	.8mm/.0314in	SD...11	UHM 20 MZ
7005-123371	DCMT 11T308 EN -PF UHM30 MZ	Honed	11.6	4.4	.8mm/.0314in	SD...11	UHM 30 MZ

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	■	■	■	-	■	■	-	-	-
Finishing	□	□	□	-	□	□	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-



DCGT Carbide PF23

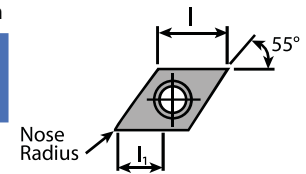
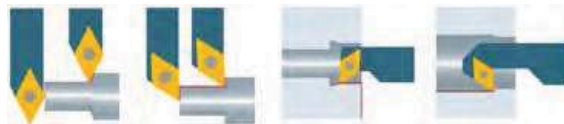
Cut: Neutral

Chip Breaker: PF23, Polished Rake, Sharp Cutting Edge

Repeatability <20µm

Item No. Description		Dimensions & Features						
		Edge	I	I ₁	Nose Radius	Holder	Coating	
Call For Details	DCGT 0702003 EN PF23 UHM30 HX	Honed	7.75	3.6	.03mm/.0012in	SD...07	UHM 30 HX	
7005-127747	DCGT 0702005 FN PF23 UHM30 HX	Sharp	7.75	3.6	.05mm/.0019in	SD...07	UHM 30 HX	
7005-126998	DCGT 070201 FN PF23 UHM30 HX	Sharp	7.75	3.6	.1mm/.0039in	SD...07	UHM 30 HX	
7005-127752	DCGT 070202 FN PF23 UHM30 HX	Sharp	7.75	3.6	.2mm/.0078in	SD...07	UHM 30 HX	
7005-127755	DCGT 11T3005 FN PF23 UHM30 HX	Sharp	11.6	5.2	.05mm/.0019in	SD...11	UHM 30 HX	
7005-127006	DCGT 11T301 FN PF23 UHM30 HX	Sharp	11.6	5.2	.1mm/.0039in	SD...11	UHM 30 HX	
7005-127760	DCGT 11T302 FN PF23 UHM30 HX	Sharp	11.6	5.2	.2mm/.0078in	SD...11	UHM 30 HX	

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	□	□	□	□	□	□	□	-	-
Micro Finishing	■	■	■	□	■	■	□	-	□



DCGT Carbide PF33

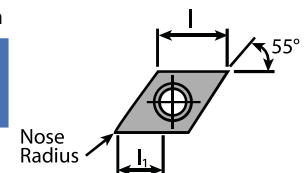
Cut: Neutral

Chip Breaker: PF33, Polished Rake, Sharp Cutting Edge

Repeatability <20µm

		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-114398	DCGT 0702005 FN PF33 UHM30 HX	Sharp	7.75	3.6	.05mm/.0019in	SD...07	UHM 30 HX
7005-114400	DCGT 070201 FN PF33 UHM30 HX	Sharp	7.75	3.6	.1mm/.0039in	SD...07	UHM 30 HX
7005-114402	DCGT 070202 FN PF33 UHM30 HX	Sharp	7.75	3.6	.2mm/.0078in	SD...07	UHM 30 HX
7005-114404	DCGT 070204 FN PF33 UHM30 HX	Sharp	7.75	3.6	.4mm/.0157in	SD...07	UHM 30 HX
7005-114373	DCGT 11T3005 FN PF33 UHM30 HX	Sharp	11.6	5.2	.05mm/.0019in	SD...11	UHM 30 HX
7005-114407	DCGT 11T301 FN PF33 UHM30 HX	Sharp	11.6	5.2	.1mm/.0039in	SD...11	UHM 30 HX
7005-114409	DCGT 11T302 FN PF33 UHM30 HX	Sharp	11.6	5.2	.2mm/.0078in	SD...11	UHM 30 HX
7005-114411	DCGT 11T304 FN PF33 UHM30 HX	Sharp	11.6	5.2	.4mm/.0157in	SD...11	UHM 30 HX

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	-	□	□	-	-	-
Finishing	■	■	■	-	■	■	-	-	-
Micro Finishing	■	■	■	-	■	■	-	-	-



Coatings vs Material Type

Carbide										Cermet		Diamond		Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		



DC...07 inserts: d = .250"
DC...11 inserts: d = .375"

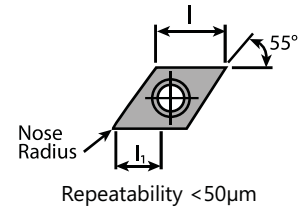
Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



DCMT Carbide PF43

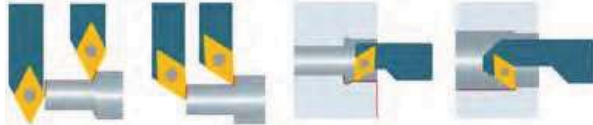
Cut: Neutral

Chip Breaker: PF43, Honed Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	l	l ₁	Nose Radius	Holder	Coating	
7005-114727	DCMT 070202 EN PF43 UHM20 MZ	Honed	7.75	3.8	.2mm/.0078in	SD...07	UHM 20 MZ	
7005-127209	DCMT 070202 EN PF43 UHM30 MZ	Honed	7.75	3.8	.2mm/.0078in	SD...07	UHM 30 MZ	
7005-127210	DCMT 070204 EN PF43 UHM30 MZ	Honed	7.75	3.8	.4mm/.0157in	SD...07	UHM 30 MZ	
7005-127211	DCMT 11T302 EN PF43 UHM30 MZ	Honed	11.6	5.5	.2mm/.0078in	SD...11	UHM 30 MZ	
7005-127212	DCMT 11T304 EN PF43 UHM30 MZ	Honed	11.6	5.5	.4mm/.0157in	SD...11	UHM 30 MZ	
7005-127213	DCMT 11T308 EN PF43 UHM30 MZ	Honed	11.6	5.5	.8mm/.0314in	SD...11	UHM 30 MZ	

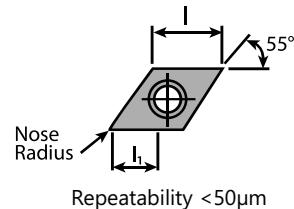
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	■	■	■	-	■	■	-	-	-
Finishing	■	■	■	-	■	■	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-



DCMT Carbide PM Roughing

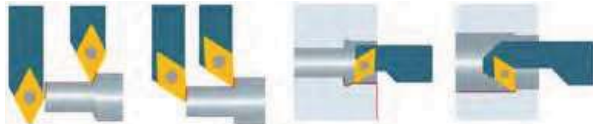
Cut: Neutral

Chip Breaker: PM, Honed Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	l	l ₁	Nose Radius	Holder	Coating	
7005-113692	DCMT 070204 EN PM UHM10 MZ	Honed	7.75	2.6	.4mm/.0157in	SD...07	UHM 10 MZ	
7005-123363	DCMT 070204 EN PM UHM20 MZ	Honed	7.75	2.6	.4mm/.0157in	SD...07	UHM 20 MZ	
7005-123291	DCMT 070204 EN PM UHM30 MZ	Honed	7.75	2.6	.4mm/.0157in	SD...07	UHM 30 MZ	
7005-123365	DCMT 070208 EN PM UHM30 MZ	Honed	7.75	2.6	.8mm/.0314in	SD...07	UHM 30 MZ	
7005-113693	DCMT 11T304 EN PM UHM10 MZ	Honed	11.6	4.1	.4mm/.0157in	SD...11	UHM 10 MZ	
7005-123368	DCMT 11T304 EN PM UHM20 MZ	Honed	11.6	4.1	.4mm/.0157in	SD...11	UHM 20 MZ	
7005-123369	DCMT 11T304 EN PM UHM30 MZ	Honed	11.6	4.1	.4mm/.0157in	SD...11	UHM 30 MZ	
7005-113694	DCMT 11T308 EN PM UHM10 MZ	Honed	11.6	4.1	.8mm/.0314in	SD...11	UHM 10 MZ	
7005-123372	DCMT 11T308 EN PM UHM20 MZ	Honed	11.6	4.1	.8mm/.0314in	SD...11	UHM 20 MZ	
7005-123373	DCMT 11T308 EN PM UHM30 MZ	Honed	11.6	4.1	.8mm/.0314in	SD...11	UHM 30 MZ	

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	■	■	■	-	■	■	-	-	-
Finishing	□	□	□	-	□	□	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-

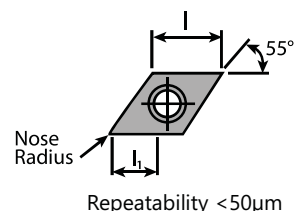




DCMT Cermet PMF

Cut: Neutral

Chip Breaker: PMF, Honed Cutting Edge



		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
Call For Details	DCMT 070202 EN PMF UCM10 MZ	Honed	7.75	2.6	.2mm/.0078in	SD...07	UCM 10 MZ
Call For Details	DCMT 070204 EN PMF UCM10 MZ	Honed	7.75	2.6	.4mm/.0157in	SD...07	UCM 10 MZ
Call For Details	DCMT 11T304 EN PMF UCM10 MZ	Honed	11.6	4.1	.4mm/.0157in	SD...11	UCM 10 MZ
Call For Details	DCMT 11T308 EN PMF UCM10 MZ	Honed	11.6	4.1	.8mm/.0314in	SD...11	UCM 10 MZ

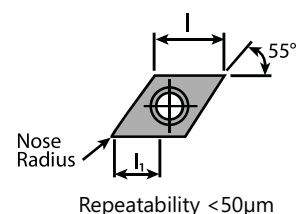
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	■	■	■	-	■	■	-	-	-
Finishing	■	■	■	-	■	■	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-



DCMT Carbide PM25

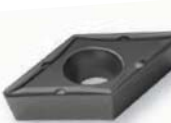
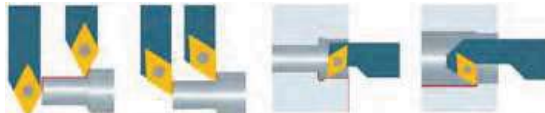
Cut: Neutral

Chip Breaker: PM25, Honed Cutting Edge



		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-112944	DCMT 070202 EN PM25 UHM20 HPX	Honed	7.75	1.6	.2mm/.0078in	SD...07	UHM 20 HPX
7005-112945	DCMT 070204 EN PM25 UHM20 HPX	Honed	7.75	2	.4mm/.0157in	SD...07	UHM 20 HPX
7005-147276	DCMT 11T302 EN PM25 UHM20 HPX	Honed	11.6	2	.2mm/.0078in	SD...11	UHM 20 HPX
7005-147277	DCMT 11T304 EN PM25 UHM20 HPX	Honed	11.6	2.2	.4mm/.0157in	SD...11	UHM 20 HPX
Call For Details	DCMT 11T308 EN PM25 UHM20 HPX	Honed	11.6	3.2	.8mm/.0314in	SD...11	UHM 20 HPX

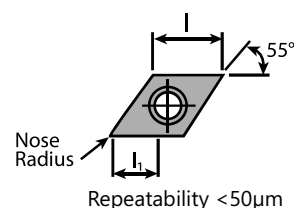
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	□	□	□	-	■	■	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-



DCMT Carbide PM55

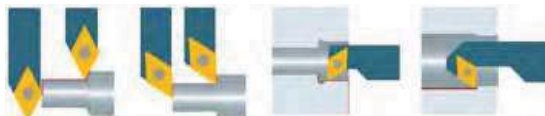
Cut: Neutral

Chip Breaker: PM55, Honed Cutting Edge



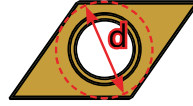
		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-112946	DCMT 070204 EN PM55 UHM20 HPX	Honed	7.75	2.2	.4mm/.0157in	SD...07	UHM 20 HPX
7005-112947	DCMT 070208 EN PM55 UHM20 HPX	Honed	7.75	2.4	.8mm/.0314in	SD...07	UHM 20 HPX
7005-112948	DCMT 11T304 EN PM55 UHM20 HPX	Honed	11.6	3	.4mm/.0157in	SD...11	UHM 20 HPX
7005-112949	DCMT 11T308 EN PM55 UHM20 HPX	Honed	11.6	4	.8mm/.0314in	SD...11	UHM 20 HPX

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	-	■	■	-	-	-
Finishing	-	-	-	-	-	-	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-



Coatings vs Material Type

Carbide										Cermet		Diamond		Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		



DC...07 inserts: d = .250"
DC...11 inserts: d = .375"

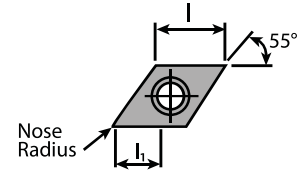
Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



DCET Carbide/Cermet U

Cut: Neutral

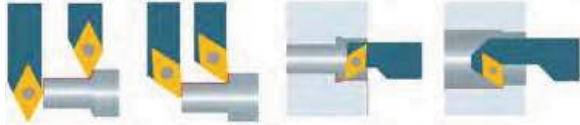
Chip Breaker: U, Ground Rake, Sharp Cutting Edge



Repeatability <10μm

		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-123590	DCET 0702003 FR U UHM10 HX	Sharp	7.75	2.5	.03mm/.0012in	SD...07	UHM 10 HX	
7005-123595	DCET 070201 FR U UHM10 HX	Sharp	7.75	2.5	.1mm/.0039in	SD...07	UHM 10 HX	
7005-123594	DCET 070201 FR U UCM10 HX	Sharp	7.75	2.5	.1mm/.0039in	SD...07	UCM 10 HX	
7005-121955	DCET 070202 FR U UHM10 HX	Sharp	7.75	2.5	.2mm/.0078in	SD...07	UHM 10 HX	
7005-123602	DCET 070202 FR U UCM10 HX	Sharp	7.75	2.5	.2mm/.0078in	SD...07	UCM 10 HX	
7005-123622	DCET 11T301 FR U UHM10 HX	Sharp	11.6	4	.1mm/.0039in	SD...11	UHM 10 HX	
7005-123621	DCET 11T301 FR U UCM10 HX	Sharp	11.6	4	.1mm/.0039in	SD...11	UCM 10 HX	
7005-123629	DCET 11T302 FR U UHM10 HX	Sharp	11.6	4	.2mm/.0078in	SD...11	UHM 10 HX	
7005-123628	DCET 11T302 FR U UCM10 HX	Sharp	11.6	4	.2mm/.0078in	SD...11	UCM 10 HX	
7005-123634	DCET 11T304 FR U UHM10 HX	Sharp	11.6	4	.4mm/.0157in	SD...11	UHM 10 HX	

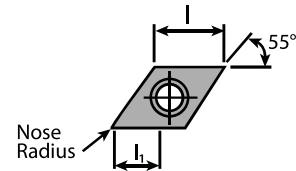
Material Class									
Application	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	□	□	□	-	□	□	-	-	-
Micro Finishing	■	■	■	□	■	■	□	-	□



DCGT Diamond

Cut: Neutral

Chip Breaker: Sharp Cutting Edge



Repeatability <20μm

		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-116136	DCGT 070201 FN UPCD20	Sharp	7.75	3.8	.1mm/.0039in	SD...07	UPCD 20	
7005-137717	DCGT 070202 FN UPCD15	Sharp	7.75	3.7	.2mm/.0078in	SD...07	UPCD 15	
7005-116139	DCGT 070202 FN UPCD20	Sharp	7.75	3.7	.2mm/.0078in	SD...07	UPCD 20	
7005-137718	DCGT 070204 FN UPCD15	Sharp	7.75	3.4	.4mm/.0157in	SD...07	UPCD 15	
7005-137719	DCGT 070208 FN UPCD15	Sharp	7.75	3	.8mm/.0314in	SD...07	UPCD 15	
7005-116152	DCGT 11T301 FN UPCD20	Sharp	11.6	4.8	.1mm/.0039in	SD...11	UPCD 20	
7005-129055	DCGT 11T302 FN UPCD15	Sharp	11.6	4.7	.2mm/.0078in	SD...11	UPCD 15	
7005-116155	DCGT 11T302 FN UPCD20	Sharp	11.6	4.7	.2mm/.0078in	SD...11	UPCD 20	
7005-137720	DCGT 11T304 FN UPCD15	Sharp	11.6	4.3	.4mm/.0157in	SD...11	UPCD 15	
7005-137721	DCGT 11T308 FN UPCD15	Sharp	11.6	4	.8mm/.0314in	SD...11	UPCD 15	
7005-137722	DCGT 11T312 FN UPCD15	Sharp	11.6	3.5	1.2mm/.0472in	SD...11	UPCD 15	

Material Class									
Application	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	■	■	■

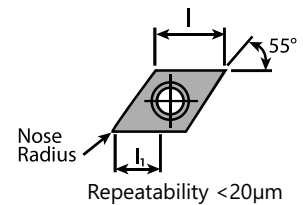




DCGT Diamond TOP

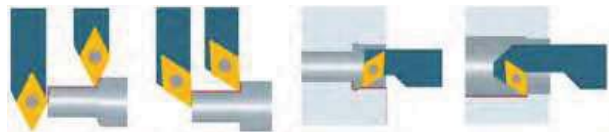
Cut: Neutral

Chip Breaker: TOP, Sharp Cutting Edge



Dimensions & Features								
Item No.	Description	Hand	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-116135	DCGT 070201 FL TOP UPCD20	Left	7.75	3.8	Sharp	.1mm/.0039in	SD...07	UPCD 20
7005-116138	DCGT 070202 FL TOP UPCD20	Left	7.75	3.7	Sharp	.2mm/.0078in	SD...07	UPCD 20
7005-116151	DCGT 11T301 FL TOP UPCD20	Left	11.6	4.8	Sharp	.1mm/.0039in	SD...11	UPCD 20
7005-116154	DCGT 11T302 FL TOP UPCD20	Left	11.6	4.7	Sharp	.2mm/.0078in	SD...11	UPCD 20
7005-116137	DCGT 070201 FR TOP UPCD20	Right	7.75	3.8	Sharp	.1mm/.0039in	SD...07	UPCD 20
7005-116140	DCGT 070202 FR TOP UPCD20	Right	7.75	3.7	Sharp	.2mm/.0078in	SD...07	UPCD 20
7005-116153	DCGT 11T301 FR TOP UPCD20	Right	11.6	4.8	Sharp	.1mm/.0039in	SD...11	UPCD 20
7005-129056	DCGT 11T302 FR TOP UPCD20	Right	11.6	4.7	Sharp	.2mm/.0078in	SD...11	UPCD 20

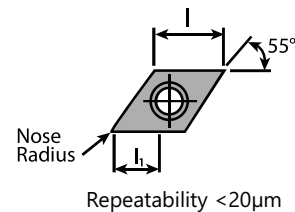
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	■	■	■



DCGT Diamond UWS Micro Finishing

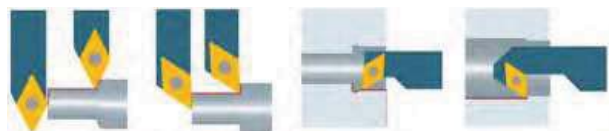
Cut: Neutral

Chip Breaker: UWS, Sharp Cutting Edge



Dimensions & Features							
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-116334	DCGT 070201 FN UWS UPCD15	Sharp	7.75	3	.1mm/.0039in	SD...07	UPCD 15
7005-147206	DCGT 070201 FN UWS UPCD20	Sharp	7.75	3	.1mm/.0039in	SD...07	UPCD 20
7005-116537	DCGT 070202 FN UWS UCVD08	Sharp	7.75	3	.2mm/.0078in	SD...07	UCVD 08
7005-116341	DCGT 070202 FN UWS UPCD15	Sharp	7.75	3	.2mm/.0078in	SD...07	UPCD 15
Call For Details	DCGT 070202 FN UWS UPCD20	Sharp	7.75	3	.2mm/.0078in	SD...07	UPCD 20
7005-116549	DCGT 070204 FN UWS UCVD08	Sharp	7.75	3	.4mm/.0157in	SD...07	UCVD 08
7005-116352	DCGT 070204 FN UWS UPCD15	Sharp	7.75	3	.4mm/.0157in	SD...07	UPCD 15
Call For Details	DCGT 070204 FN UWS UPCD20	Sharp	7.75	3	.4mm/.0157in	SD...07	UPCD 20
7005-116557	DCGT 070208 FN UWS UCVD08	Sharp	7.75	3	.8mm/.0314in	SD...07	UCVD 08
7005-116358	DCGT 070208 FN UWS UPCD15	Sharp	7.75	3	.8mm/.0314in	SD...07	UPCD 15
7005-116360	DCGT 11T301 FN UWS UPCD15	Sharp	11.6	3	.1mm/.0039in	SD...11	UPCD 15
Call For Details	DCGT 11T301 FN UWS UPCD20	Sharp	11.6	3	.1mm/.0039in	SD...11	UPCD 20
7005-116568	DCGT 11T302 FN UWS UCVD08	Sharp	11.6	3	.2mm/.0078in	SD...11	UCVD 08
7005-116367	DCGT 11T302 FN UWS UPCD15	Sharp	11.6	3	.2mm/.0078in	SD...11	UPCD 15
Call For Details	DCGT 11T302 FN UWS UPCD20	Sharp	11.6	3	.2mm/.0078in	SD...11	UPCD 20
7005-116579	DCGT 11T304 FN UWS UCVD08	Sharp	11.6	3	.4mm/.0157in	SD...11	UCVD 08
7005-116380	DCGT 11T304 FN UWS UPCD15	Sharp	11.6	3	.4mm/.0157in	SD...11	UPCD 15
Call For Details	DCGT 11T304 FN UWS UPCD20	Sharp	11.6	3	.4mm/.0157in	SD...11	UPCD 20
7005-116587	DCGT 11T308 FN UWS UCVD08	Sharp	11.6	3	.8mm/.0314in	SD...11	UCVD 08
7005-116387	DCGT 11T308 FN UWS UPCD15	Sharp	11.6	3	.8mm/.0314in	SD...11	UPCD 15
Call For Details	DCGT 11T308 FN UWS UPCD20	Sharp	11.6	3	.8mm/.0314in	SD...11	UPCD 20
Call For Details	DCGT 11T312 FN UWS UPCD15	Sharp	11.6	3.6	1.2mm/.0472in	SD...11	UPCD 15

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	-	-	-	-	-	-	□	□	□
Micro Finishing	-	-	-	-	-	-	■	■	■



**Great For Unstable
or Thin-walled Parts**

Coatings vs Material Type

Carbide										Cermet	Diamond	Materials
-	-	■	■	■	□	□	■	■	■	-	-	Steel
-	■	-	■	□	□	■	■	■	□	■	-	Stainless Steel
□	■	-	□	-	□	■	-	-	-	-	-	Titanium & Ti-Alloys
■	□	-	-	-	□	□	-	□	-	■	■	Non Ferrous Metals
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	
											UPCD 15	
											UPCD 20	

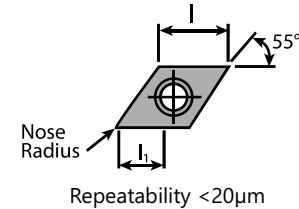


DC...07 inserts: d = .250"
DC...11 inserts: d = .375"

Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites

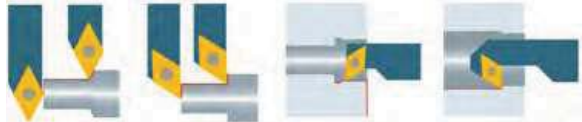


DCGT Diamond UWN Micro Finishing
Cut: Neutral
Chip Breaker: UWN, Sharp Cutting Edge

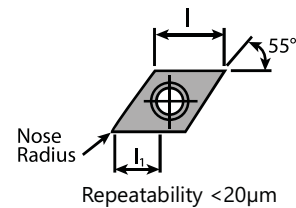


		Dimensions & Features						
Item No.	Description	Edge	l	l ₁	Nose Radius	Holder	Coating	
Call For Details	DCGT 070201 FN UWN UPCD20	Sharp	7.75	3	.1mm/.0039in	SD...07	UPCD 20	
7005-116536	DCGT 070202 FN UWN UCVD08	Sharp	7.75	3	.2mm/.0078in	SD...07	UCVD 08	
Call For Details	DCGT 070202 FN UWN UPCD20	Sharp	7.75	3	.2mm/.0078in	SD...07	UPCD 20	
7005-116548	DCGT 070204 FN UWN UCVD08	Sharp	7.75	3	.4mm/.0157in	SD...07	UCVD 08	
Call For Details	DCGT 070204 FN UWN UPCD20	Sharp	7.75	3	.4mm/.0157in	SD...07	UPCD 20	
7005-116556	DCGT 070208 FN UWN UCVD08	Sharp	7.75	3	.8mm/.0314in	SD...07	UCVD 08	
7005-116357	DCGT 070208 FN UWN UPCD20	Sharp	7.75	3	.8mm/.0314in	SD...07	UPCD 20	
Call For Details	DCGT 11T301 FN UWN UPCD20	Sharp	11.6	3	.1mm/.0039in	SD...11	UPCD 20	
7005-116567	DCGT 11T302 FN UWN UCVD08	Sharp	11.6	3	.2mm/.0078in	SD...11	UCVD 08	
7005-116366	DCGT 11T302 FN UWN UPCD20	Sharp	11.6	3	.2mm/.0078in	SD...11	UPCD 20	
7005-116578	DCGT 11T304 FN UWN UCVD08	Sharp	11.6	3	.4mm/.0157in	SD...11	UCVD 08	
7005-116379	DCGT 11T304 FN UWN UPCD20	Sharp	11.6	3	.4mm/.0157in	SD...11	UPCD 20	
7005-116586	DCGT 11T308 FN UWN UCVD08	Sharp	11.6	3	.8mm/.0314in	SD...11	UCVD 08	
7005-116386	DCGT 11T308 FN UWN UPCD20	Sharp	11.6	3	.8mm/.0314in	SD...11	UPCD 20	

		Material Class								
Application		I	II	III	IV	V	VI	VII	VIII	IX
Roughing		-	-	-	-	-	-	□	□	□
Finishing		-	-	-	-	-	-	■	■	■
Micro Finishing		-	-	-	-	-	-	-	-	-



**Great For Stable
or Solid Parts**



DCGT Diamond UWR
Cut: Neutral
Chip Breaker: UWR, Sharp Cutting Edge

		Dimensions & Features						
Item No.	Description	Edge	l	l ₁	Nose Radius	Holder	Coating	
Call For Details	DCGT 070204 FN UWR UPCD20	Sharp	7.75	3	.4mm/.0157in	SD...07	UPCD 20	
Call For Details	DCGT 11T304 FN UWR UPCD20	Sharp	11.6	3	.4mm/.0157in	SD...11	UPCD 20	
Call For Details	DCGT 11T308 FN UWR UPCD20	Sharp	11.6	3	.8mm/.0314in	SD...11	UPCD 20	

		Material Class								
Application		I	II	III	IV	V	VI	VII	VIII	IX
Roughing		-	-	-	-	-	-	□	□	□
Finishing		-	-	-	-	-	-	■	■	■
Micro Finishing		-	-	-	-	-	-	-	-	-

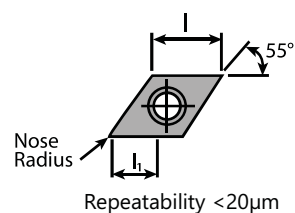




DCGW Diamond

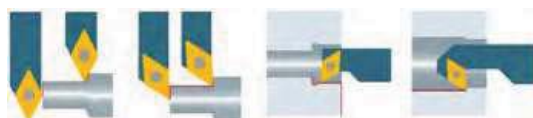
Cut: Neutral

Chip Breaker: Sharp Cutting Edge



Item No.	Description	Dimensions & Features					
		Edge	I	I ₁	Nose Radius	Holder	Coating
Call For Details	DCGW 0702005 FN UPCD20	Sharp	7.75	3.5	.05mm/.0019in	SD...07	UPCD 20
7005-129023	DCGW 070201 FN UPCD20	Sharp	7.75	3.8	.1mm/.0039in	SD...07	UPCD 20
7005-138610	DCGW 070202 FN UCVD08	Sharp	7.75	3.7	.2mm/.0078in	SD...07	UCVD 08
7005-129022	DCGW 070202 FN UPCD15	Sharp	7.75	3.7	.2mm/.0078in	SD...07	UPCD 15
7005-116173	DCGW 070202 FN UPCD20	Sharp	7.75	3.7	.2mm/.0078in	SD...07	UPCD 20
7005-116888	DCGW 070204 FN UCVD08	Sharp	7.75	3.4	.4mm/.0157in	SD...07	UCVD 08
7005-012747	DCGW 070204 FN UPCD15	Sharp	7.75	3.4	.4mm/.0157in	SD...07	UPCD 15
7005-116176	DCGW 070204 FN UPCD20	Sharp	7.75	3.4	.4mm/.0157in	SD...07	UPCD 20
7005-116889	DCGW 070208 FN UCVD08	Sharp	7.75	3	.8mm/.0314in	SD...07	UCVD 08
7005-137723	DCGW 070208 FN UPCD15	Sharp	7.75	3	.8mm/.0314in	SD...07	UPCD 15
7005-116178	DCGW 070208 FN UPCD20	Sharp	7.75	3	.8mm/.0314in	SD...07	UPCD 20
7005-116183	DCGW 11T301 FN UPCD20	Sharp	11.6	4.8	.1mm/.0039in	SD...11	UPCD 20
7005-116891	DCGW 11T302 FN UCVD08	Sharp	11.6	4.7	.2mm/.0078in	SD...11	UCVD 08
7005-129057	DCGW 11T302 FN UPCD15	Sharp	11.6	4.7	.2mm/.0078in	SD...11	UPCD 15
7005-116186	DCGW 11T302 FN UPCD20	Sharp	11.6	4.7	.2mm/.0078in	SD...11	UPCD 20
7005-116892	DCGW 11T304 FN UCVD08	Sharp	11.6	4.3	.4mm/.0157in	SD...11	UCVD 08
7005-129054	DCGW 11T304 FN UPCD15	Sharp	11.6	4.3	.4mm/.0157in	SD...11	UPCD 15
7005-116188	DCGW 11T304 FN UPCD20	Sharp	11.6	4.3	.4mm/.0157in	SD...11	UPCD 20
7005-116893	DCGW 11T308 FN UCVD08	Sharp	11.6	4	.8mm/.0314in	SD...11	UCVD 08
7005-137724	DCGW 11T308 FN UPCD15	Sharp	11.6	4	.8mm/.0314in	SD...11	UPCD 15
7005-116190	DCGW 11T308 FN UPCD20	Sharp	11.6	4	.8mm/.0314in	SD...11	UPCD 20
7005-116191	DCGW 11T312 FN UPCD15	Sharp	11.6	3.6	1.2mm/.0472in	SD...11	UPCD 15
7005-116192	DCGW 11T312 FN UPCD20	Sharp	11.6	3.6	1.2mm/.0472in	SD...11	UPCD 20

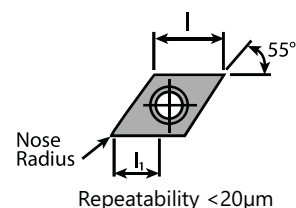
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	■	■	■



DCGW Diamond TOP Wiper

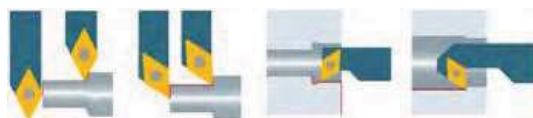
Cut: Neutral

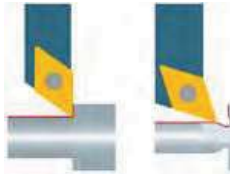
Chip Breaker: TOP Wiper, Sharp Cutting Edge



Item No.	Description	Dimensions & Features						
		Hand	Edge	I	I ₁	Nose Radius	Holder	Coating
Call For Details	DCGW 11T301 FL TOP UPCD20	Left	Sharp	11.6	4.8	.1mm/.0039in	SD...11	UPCD 20
7005-116185	DCGW 11T302 FL TOP UPCD20	Left	Sharp	11.6	4.7	.2mm/.0078in	SD...11	UPCD 20
Call For Details	DCGW 11T301 FR TOP UPCD20	Right	Sharp	11.6	4.7	.1mm/.0039in	SD...11	UPCD 20
7005-129045	DCGW 11T302 FR TOP UPCD20	Right	Sharp	11.6	4.8	.2mm/.0078in	SD...11	UPCD 20

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	■	■	■





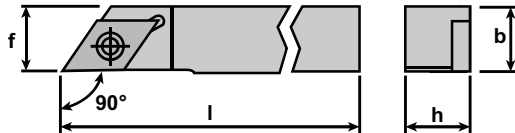
ISO Holder SDAC...U

Type: 90°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
7005-045104	SDACL 0808 K07 U	7005-045109	SDACR 0808 K07 U	8	8	125	8	DC...0702
7005-045105	SDACL 1010 M07 U	7005-045110	SDACR 1010 M07 U	10	10	150	10	DC...0702
7005-045106	SDACL 1212 M07 U	7005-045111	SDACR 1212 M07 U	12	12	150	12	DC...0702
7005-045107	SDACL 1212 M11 U	7005-045112	SDACR 1212 M11 U	12	12	150	12	DC...11T3
7005-045181	SDACL 1616 K11 U	7005-043488	SDACR 1616 K11 U	16	16	125	16	DC...11T3



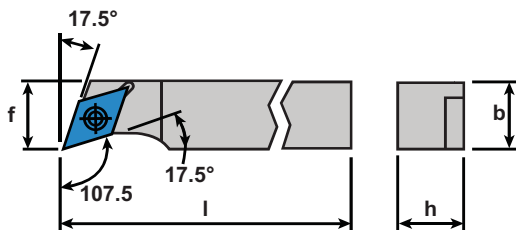
ISO Holder SDHC...U

Type: 107.5°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
Call For Details	SDHCL 0808 H07 U	Call For Details	SDHCR 0808 H07 U	8	8	100	11	DC...0702
Call For Details	SDHCL 1010 H07 U	Call For Details	SDHCR 1010 H07 U	10	10	100	11	DC...0702
7005-114527	SDHCL 1212 H07 U	7005-114529	SDHCR 1212 H07 U	12	12	100	12	DC...0702
7005-114528	SDHCL 1616 K11 U	7005-114530	SDHCR 1616 K11 U	16	16	125	16	DC...11T3
Call For Details	SDHCL 3/8" H07 U	Call For Details	SDHCR 3/8" H07 U	3/8"	3/8"	100	11	DC...0702
Call For Details	SDHCL 1/2" H07 U	Call For Details	SDHCR 1/2" H07 U	1/2"	1/2"	100	1/2"	DC...0702
Call For Details	SDHCL 5/8" K11 U	Call For Details	SDHCR 5/8" K11 U	5/8"	5/8"	125	5/8"	DC...11T3





ISO Coolant-Thru Holder SDHC...U IC

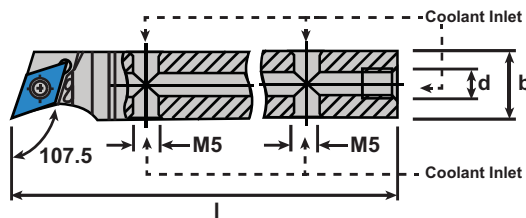
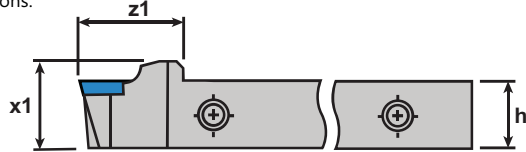
Type: 107.5°

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features								Coolant Fittings	
Item No.	Description	Item No.	Description	b	h	l	z ₁	x ₁	d	f	Inserts	Side	Rear
Call For Details	SDHCL 0808 H07 U IC	Call For Details	SDHCR 0808 H07 U IC	8	8	100	18	11.5	M5	11	DC...0702	4005-000111	4005-000111
Call For Details	SDHCL 1010 H07 U IC	Call For Details	SDHCR 1010 H07 U IC	10	10	100	18	13.5	M5	11	DC...0702	4005-000111	4005-000111
Call For Details	SDHCL 1212 H07 U IC	Call For Details	SDHCR 1212 H07 U IC	12	12	100	18	15.5	M5	12	DC...0702	4005-000111	4005-000111
Call For Details	SDHCL 1616 K11 U IC	Call For Details	SDHCR 1616 K11 U IC	16	16	125	21	19.5	G 1/8"	16	DC...11T3	4005-000111	4005-000104
Call For Details	SDHCL 3/8" H07 U IC	Call For Details	SDHCR 3/8" H07 U IC	3/8"	3/8"	100	18	13	M5	11	DC...0702	4005-000111	4005-000111
Call For Details	SDHCL 1/2" H07 U IC	Call For Details	SDHCR 1/2" H07 U IC	1/2"	1/2"	100	18	16.2	M5	1/2"	DC...0702	4005-000111	4005-000111
Call For Details	SDHCL 5/8" K11 U IC	Call For Details	SDHCR 5/8" K11 U IC	5/8"	5/8"	125	22	19.4	G 1/8"	5/8"	DC...11T3	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.

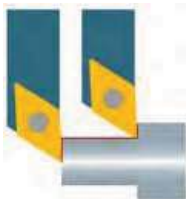


4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks

4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
**Fits Position (d) On Tool Holders
Sold Separately.**



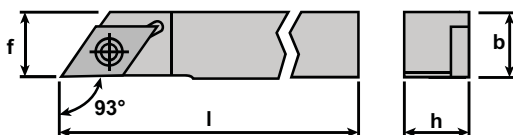
ISO Holder SDJC...U

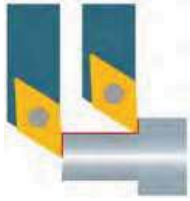
Type: 93°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
7005-148796	SDJCL 0808 F07 U	7005-148794	SDJCR 0808 F07 U	8	8	80	8	DC...0702
7005-043320	SDJCL 0808 H07 U	7005-043321	SDJCR 0808 H07 U	8	8	100	8	DC...0702
7005-148797	SDJCL 1010 F07 U	7005-148795	SDJCR 1010 F07 U	10	10	80	10	DC...0702
7005-043322	SDJCL 1010 H07 U	7005-043323	SDJCR 1010 H07 U	10	10	100	10	DC...0702
Call For Details	SDJCL 1010 H11 U	7005-114544	SDJCR 1010 H11 U	10	10	100	10	DC...11T3
7005-043324	SDJCL 1212 H07 U	7005-043325	SDJCR 1212 H07 U	12	12	100	12	DC...0702
7005-044121	SDJCL 1212 H11 U	7005-044110	SDJCR 1212 H11 U	12	12	100	12	DC...11T3
7005-043328	SDJCL 1616 K07 U	7005-043329	SDJCR 1616 K07 U	16	16	125	16	DC...0702
7005-044148	SDJCL 1616 K11 U	7005-044148	SDJCL 1616 K11 U	16	16	125	16	DC...11T3
7005-045198	SDJCL 2020 K11 U	7005-045199	SDJCR 2020 K11 U	20	20	125	20	DC...11T3
7005-148800	SDJCL 3/8" F07 U	7005-148798	SDJCR 3/8" F07 U	9.525	9.525	80	9.525	DC...0702
Call For Details	SDJCL 3/8" H07 U	7005-138658	SDJCR 3/8" H07 U	9.525	9.525	100	9.525	DC...0702
7005-148801	SDJCL 3/8" F11 U	7005-148799	SDJCR 3/8" F11 U	9.525	9.525	80	9.525	DC...11T3
Call For Details	SDJCL 3/8" H11 U	7005-138417	SDJCR 3/8" H11 U	9.525	9.525	100	9.525	DC...11T3
7005-114045	SDJCL 1/2" H07 U	7005-127411	SDJCR 1/2" H07 U	12.7	12.7	100	12.7	DC...0702
Call For Details	SDJCL 1/2" H11 U	7005-138419	SDJCR 1/2" H11 U	12.7	12.7	100	12.7	DC...11T3
7005-113714	SDJCL 5/8" K11 U	7005-113715	SDJCR 5/8" K11 U	15.875	15.875	125	15.875	DC...11T3
7005-113716	SDJCL 3/4" K11 U	7005-113717	SDJCR 3/4" K11 U	19.05	19.05	125	19.05	DC...11T3





ISO Coolant-Thru Holder SDJC...U IC

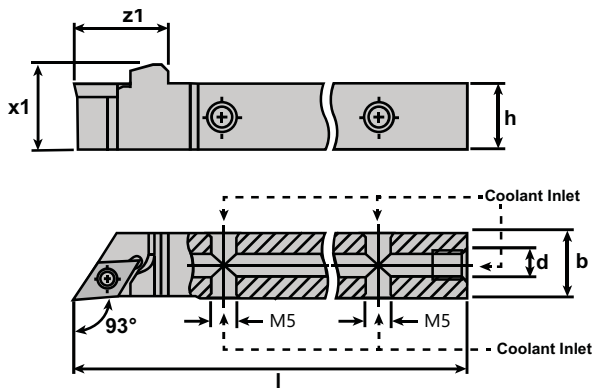
Type: 93°

Coolant-Thru: Side and Rear Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features							Coolant Fittings	
Item No.	Description	Item No.	Description	b	h	l	z ₁	x ₁	d	Inserts	Side	Rear
Call For Details	SDJCL 0808 H07 U IC	Call For Details	SDJCR 0808 H07 U IC	8	8	100	17	11.5	M5	DC...0702	4005-000111	4005-000111
Call For Details	SDJCL 1010 H07 U IC	Call For Details	SDJCR 1010 H07 U IC	10	10	100	17	13.5	M5	DC...0702	4005-000111	4005-000111
Call For Details	SDJCL 1010 H11 U IC	Call For Details	SDJCR 1010 H11 U IC	10	10	100	22	13.5	M5	DC...11T3	4005-000111	4005-000111
Call For Details	SDJCL 1212 H07 U IC	Call For Details	SDJCR 1212 H07 U IC	12	12	100	17	15.5	M5	DC...0702	4005-000111	4005-000111
Call For Details	SDJCL 1212 H11 U IC	Call For Details	SDJCR 1212 H11 U IC	12	12	100	22	15.5	M5	DC...11T3	4005-000111	4005-000111
Call For Details	SDJCL 1616 K07 U IC	7005-146359A	SDJCR 1616 K07 U IC	16	16	125	17	15.5	G1/8"	DC...0702	4005-000111	4005-000104
7005-146368A	SDJCL 1616 K11 U IC	Call For Details	SDJCR 1616 K11 U IC	16	16	125	22	19.5	G1/8"	DC...11T3	4005-000111	4005-000104
Call For Details	SDJCL 2020 K11 U IC	Call For Details	SDJCR 2020 K11 U IC	20	20	125	22	23.5	G1/8"	DC...11T3	4005-000111	4005-000104
Call For Details	SDJCL 3/8" H07 U IC	Call For Details	SDJCR 3/8" H07 U IC	9.525	9.525	100	17	13	M5	DC...0702	4005-000111	4005-000111
Call For Details	SDJCL 3/8" H11 U IC	7005-146371A	SDJCR 3/8" H11 U IC	9.525	9.525	100	22	13	M5	DC...11T3	4005-000111	4005-000111
7005-146381A	SDJCL 1/2" H07 U IC	7005-146372A	SDJCR 1/2" H07 U IC	12.7	12.7	100	17	16.2	M5	DC...0702	4005-000111	4005-000111
7005-146382A	SDJCL 1/2" H11 U IC	7005-146373A	SDJCR 1/2" H11 U IC	12.7	12.7	100	22	16.2	M5	DC...11T3	4005-000111	4005-000111
Call For Details	SDJCL 5/8" K07 U IC	7005-146374A	SDJCR 5/8" K07 U IC	15.875	15.875	125	17	19.5	G1/8"	DC...0702	4005-000111	4005-000104
7005-146384A	SDJCL 5/8" K11 U IC	7005-146377A	SDJCR 5/8" K11 U IC	15.875	15.875	125	22	19.5	G1/8"	DC...11T3	4005-000111	4005-000104
Call For Details	SDJCL 3/4" K11 U IC	Call For Details	SDJCR 3/4" K11 U IC	19.05	19.05	125	22	22.6	G1/8"	DC...11T3	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.



4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks



4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
Fits Position (d) On Tool Holders
Sold Separately.



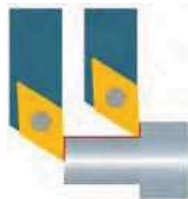
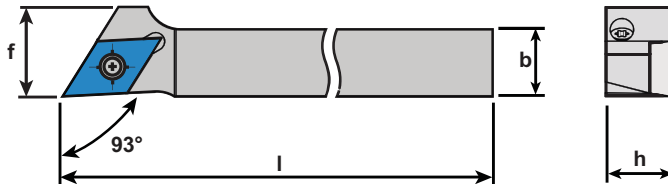
ISO Holder SDJC...Fast Change

Type: 93°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
Call For Details	SDJCL 1012 H11 U FC	Call For Details	SDJCR 1012 H11 U FC	12	10	100	16	DC...11T3
7005-153252	SDJCL 1212 H11 U FC	7005-153250	SDJCR 1212 H11 U FC	12	12	100	16	DC...11T3
Call For Details	SDJCL 1616 K11 U FC	7005-153251	SDJCR 1616 K11 U FC	16	16	125	16	DC...11T3
Call For Details	SDJCL 1/2" H11 U FC	Call For Details	SDJCR 1/2" H11 U FC	1/2"	1/2"	100	16	DC...11T3
Call For Details	SDJCL 5/8" K11 U FC	Call For Details	SDJCR 5/8" K11 U FC	5/8"	5/8"	125	15.875	DC...11T3



ISO Coolant-Thru Holder SDJC... Fast Change

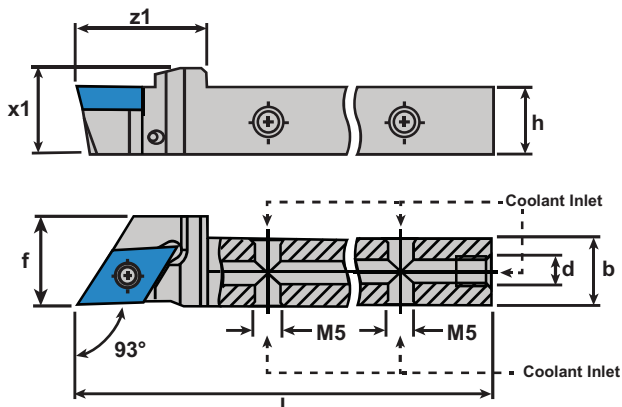
Type: 93°

Coolant-Thru: Side and Rear Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features							Coolant Fittings		
Item No.	Description	Item No.	Description	b	h	l	z ₁	x ₁	d	f	Inserts	Side	Rear
Call For Details	SDJCL 1012 H11 U FC IC	Call For Details	SDJCR 1012 H11 U FC IC	12	10	100	23	13.5	M5	16	DC...11T3	4005-000111	4005-000111
Call For Details	SDJCL 1212 H11 U FC IC	Call For Details	SDJCR 1212 H11 U FC IC	12	12	100	23	15.5	M5	16	DC...11T3	4005-000111	4005-000111
Call For Details	SDJCL 1616 K11 U FC IC	Call For Details	SDJCR 1616 K11 U FC IC	16	16	125	23	19.5	G1/8"	16	DC...11T3	4005-000111	4005-000104
Call For Details	SDJCL 1/2" H11 U FC IC	Call For Details	SDJCR 1/2" H11 U FC IC	1/2"	1/2"	100	23	16.2	M5	16	DC...11T3	4005-000111	4005-000111
Call For Details	SDJCL 5/8" K11 U FC IC	Call For Details	SDJCR 5/8" K11 U FC IC	5/8"	5/8"	125	23	19.4	G1/8"	15.875	DC...11T3	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.



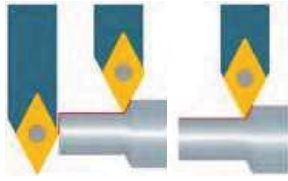
4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks



4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
Fits Position (d) On Tool Holders
Sold Separately.



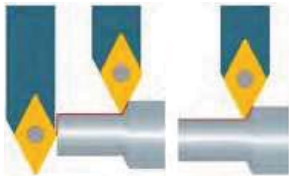
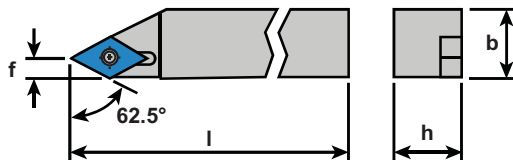
ISO Holder SDNC

Type: 62.5°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
7005-148804	SDNCL 0808 F07 U	7005-148802	SDNCR 0808 F07 U	8	8	80	3.38	DC...0702
7005-113718	SDNCL 0808 H07 U	7005-113719	SDNCR 0808 H07 U	8	8	100	3.38	DC...0702
7005-148805	SDNCL 1010 F07 U	7005-148803	SDNCR 1010 F07 U	10	10	80	3.38	DC...0702
Call For Details	SDNCL 1010 H07 U	7005-045186	SDNCR 1010 H07 U	10	10	100	3.38	DC...0702
Call For Details	SDNCL 1212 H07 U	7005-045187	SDNCR 1212 H07 U	12	12	100	3.38	DC...0702
7005-113720	SDNCL 1212 H11 U	7005-113721	SDNCR 1212 H11 U	12	12	100	5.17	DC...11T3
7005-045203	SDNCL 1616 K11 U	7005-045204	SDNCR 1616 K11 U	16	16	125	5.17	DC...11T3
7005-045205	SDNCL 2020 K11 U	7005-045206	SDNCR 2020 K11 U	20	20	125	5.17	DC...11T3
Call For Details	SDNCL 3/8" H07 U	Call For Details	SDNCR 3/8" H07 U	9.525	9.525	100	3.38	DC...0702
Call For Details	SDNCL 1/2" H07 U	Call For Details	SDNCR 1/2" H07 U	12.7	12.7	100	3.38	DC...0702
Call For Details	SDNCL 1/2" H11 U	Call For Details	SDNCR 1/2" H11 U	12.7	12.7	100	5.17	DC...11T3
Call For Details	SDNCL 5/8" K11 U	Call For Details	SDNCR 5/8" K11 U	15.875	15.875	125	5.17	DC...11T3



ISO Coolant-Thru Holder SDNC

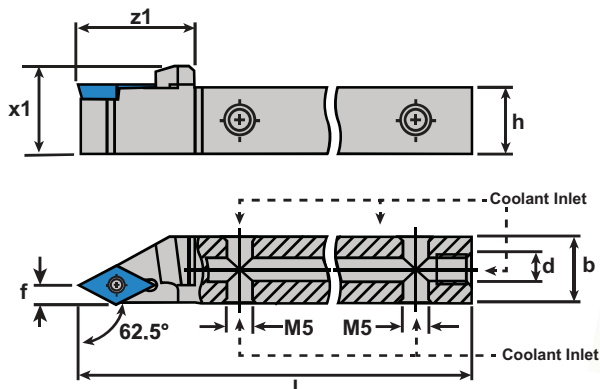
Type: 62.5°

Coolant-Thru: Side and Rear Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features								Coolant Fittings	
Item No.	Description	Item No.	Description	b	h	l	z ₁	x ₁	d	f	Inserts	Side	Rear
Call For Details	SDNCL 1010 H07 U IC	Call For Details	SDNCR 1010 H07 U IC	10	10	100	21	13.5	M5	3.38	DC...0702	4005-000111	4005-000111
Call For Details	SDNCL 1212 H07 U IC	Call For Details	SDNCR 1212 H07 U IC	12	12	100	21	13.5	M5	3.38	DC...0702	4005-000111	4005-000111
Call For Details	SDNCL 1212 H11 U IC	Call For Details	SDNCR 1212 H11 U IC	12	12	100	25	15.5	M5	5.17	DC...11T3	4005-000111	4005-000111
Call For Details	SDNCL 1616 K11 U IC	Call For Details	SDNCR 1616 K11 U IC	16	16	125	25	19.5	G1/8"	5.17	DC...11T3	4005-000111	4005-000104
Call For Details	SDNCL 3/8" H07 U IC	Call For Details	SDNCR 3/8" H07 U IC	9.525	9.525	100	21	13	M5	3.38	DC...0702	4005-000111	4005-000111
Call For Details	SDNCL 1/2" H07 U IC	Call For Details	SDNCR 1/2" H07 U IC	12.7	12.7	100	21	16.2	M5	3.38	DC...0702	4005-000111	4005-000111
Call For Details	SDNCL 1/2" H11 U IC	Call For Details	SDNCR 1/2" H11 U IC	12.7	12.7	100	25	16.2	M5	5.17	DC...11T3	4005-000111	4005-000111
Call For Details	SDNCL 5/8" K11 U IC	Call For Details	SDNCR 5/8" K11 U IC	15.875	15.875	125	25	19.5	G1/8"	5.17	DC...11T3	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.

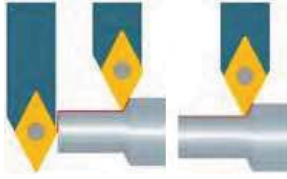


4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks

4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
Fits Position (d) On Tool Holders
Sold Separately.



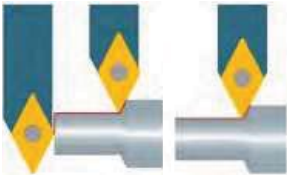
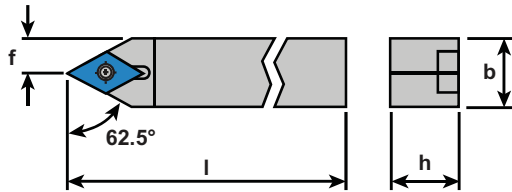
ISO Holder SDNCN

Type: 62.5°

Coolant-Thru: None

Repeatability <20µm

Neutral Hand		Dimensions & Features				
Item No.	Description	b	h	l	f	Inserts
7005-148806	SDNCN 0808 F07 U	8	8	80	3.38	DC...0702
7005-045136	SDNCN 0808 K07 U	8	8	125	3.38	DC...0702
7005-045137	SDNCN 1010 E07 U	10	10	70	3.38	DC...0702
7005-045138	SDNCN 1010 M07 U	10	10	150	3.38	DC...0702
7005-045139	SDNCN 1212 F07 U	12	12	80	3.38	DC...0702
7005-045140	SDNCN 1212 M07 U	12	12	150	3.38	DC...0702
7005-045141	SDNCN 1212 M11 U	12	12	150	5.17	DC...11T3
7005-045143	SDNCN 1616 H11 U	16	16	100	5.17	DC...11T3
7005-045144	SDNCN 2020 K11 U	20	20	125	5.17	DC...11T3
Call For Details	SDNCN 3/8" H07 U	9.525	9.525	100	3.38	DC...0702
Call For Details	SDNCN 1/2" H07 U	12.7	12.7	100	3.38	DC...0702
Call For Details	SDNCN 1/2" H11 U	12.7	12.7	100	5.17	DC...11T3
7005-144771	SDNCN 5/8" K11 U	15.875	15.875	125	5.17	DC...11T3



ISO Coolant-Thru Holder SDNCN

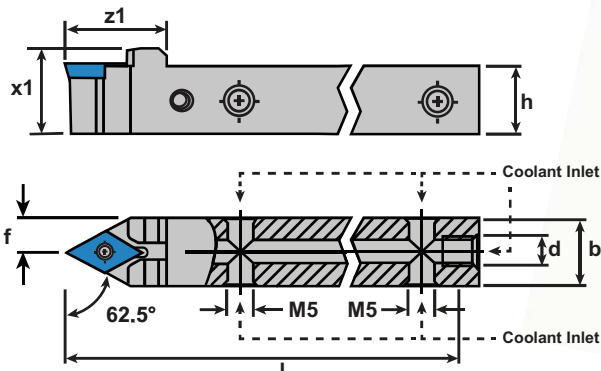
Type: 62.5°

Coolant-Thru: Side and Rear Ports

Repeatability <10µm

Neutral		Dimensions & Features								Coolant Fittings	
Item No.	Description	b	h	l	z ₁	x ₁	d	f	Inserts	Side	Rear
Call For Details	SDNCN 0808 H07 U IC	8	8	80	18	11.5	M5	3.38	DC...0702	4005-000111	4005-000111
Call For Details	SDNCN 1010 H07 U IC	10	10	70	18	13.5	M5	3.38	DC...0702	4005-000111	4005-000111
Call For Details	SDNCN 1212 H07 U IC	12	12	80	18	15.5	M5	3.38	DC...0702	4005-000111	4005-000111
Call For Details	SDNCN 1616 K11 U IC	16	16	100	22	19.5	G1/8"	5.17	DC...11T3	4005-000111	4005-000104
Call For Details	SDNCN 3/8" H07 U IC	9.525	9.525	100	18	13	M5	3.38	DC...0702	4005-000111	4005-000111
Call For Details	SDNCN 1/2" H07 U IC	12.7	12.7	100	18	16.2	M5	3.38	DC...0702	4005-000111	4005-000111
7005-144765A	SDNCN 1/2" H11 U IC	12.7	12.7	100	18	16.2	M5	5.17	DC...11T3	4005-000111	4005-000111
Call For Details	SDNCN 5/8" K11 U IC	15.875	15.875	125	22	19.4	G1/8"	5.17	DC...11T3	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.

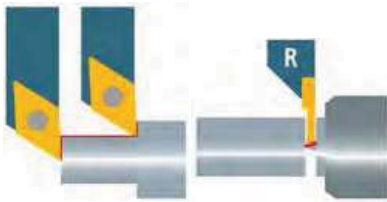


4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks

4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
**Fits Position (d) On Tool Holders
Sold Separately.**



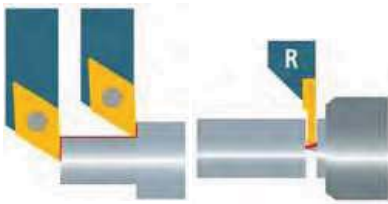
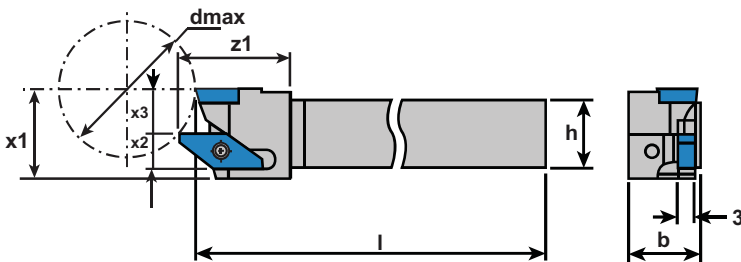
ISO TWIN Holder SDJC

Type: 93°, DC Inserts / 1600 Inserts

Coolant-Thru: None

Repeatability <20µm

Right Hand		Dimensions & Features								
Item No.	Description	b	h	l	z ₁	x ₁	x ₂	x ₃	d _{max}	Inserts
Call For Details	SDJCR/1600R-0810 H07 Twin	8	8	80	20	16	4	8	23	DC...0702
Call For Details	SDJCR/1600R-1010 H07 Twin	8	8	100	20	16	5	8	23	DC...0702
Call For Details	SDJCR/1600R-1212 H07 Twin	10	10	80	20	16	6	8	23	DC...0702
Call For Details	SDJCR/1600R-1616 K11 Twin	10	10	100	20	20	8	10	35	DC...11T3
Call For Details	SDJCR/1600R-2020 K11 Twin	12	12	100	20	24	8	14	68	DC...11T3
Call For Details	SDJCR/1600R-3/8" H07 Twin	9.525	9.525	100	20	16	4.76	8	23	DC...0702
Call For Details	SDJCR/1600R-1/2" H07 Twin	12.7	12.7	100	20	16	6.35	8	23	DC...0702
Call For Details	SDJCR/1600R-5/8" K11 Twin	15.875	15.875	125	20	20	7.94	10	35	DC...11T3
Call For Details	SDJCR/1600R-3/4" K11 Twin	19.05	19.05	125	20	24	7.53	14	68	DC...11T3



ISO TWIN Coolant-Thru Holder SDJC

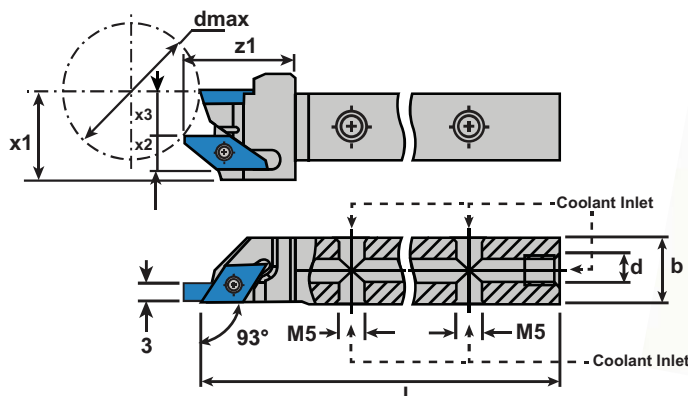
Type: 93°, DC Inserts / 1600 Inserts

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Right Hand		Dimensions & Features										Coolant Fittings	
Item No.	Description	b	h	l	z ₁	x ₁	x ₂	x ₃	d	d _{max}	Inserts	Side	Rear
Call For Details	SDJCR/1600R-0810 H07 Twin IC	8	8	100	20	19	2.5	8	M5	23	DC...0702	4005-000111	4005-000111
Call For Details	SDJCR/1600R-1010 H07 Twin IC	8	8	100	20	19	3.5	8	M5	23	DC...0702	4005-000111	4005-000111
Call For Details	SDJCR/1600R-1212 H07 Twin IC	10	10	100	20	19	4.5	8	M5	23	DC...0702	4005-000111	4005-000111
Call For Details	SDJCR/1600R-1616 K11 Twin IC	10	10	125	26	23	6.5	10	G1/8"	35	DC...11T3	4005-000111	4005-000104
Call For Details	SDJCR/1600R-2020 K11 Twin IC	12	12	125	26	27	6.5	14	G1/8"	68	DC...11T3	4005-000111	4005-000104
Call For Details	SDJCR/1600R-3/8" H07 Twin IC	9.525	9.525	100	20	19	3.26	8	M5	23	DC...0702	4005-000111	4005-000111
Call For Details	SDJCR/1600R-1/2" H07 Twin IC	12.7	12.7	100	20	19	4.85	8	M5	23	DC...0702	4005-000111	4005-000111
Call For Details	SDJCR/1600R-5/8" K11 Twin IC	15.875	15.875	125	26	23	6.44	10	G1/8"	35	DC...11T3	4005-000111	4005-000104
Call For Details	SDJCR/1600R-3/4" K11 Twin IC	19.05	19.05	125	26	27	5.53	14	G1/8"	68	DC...11T3	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system: (4) Side ports and (1) one end port making connection possible on most machine tool positions.



4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks

4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSP to 1/4 JIC Flare Fitting
**Fits Position (d) On Tool Holders
Sold Separately.**



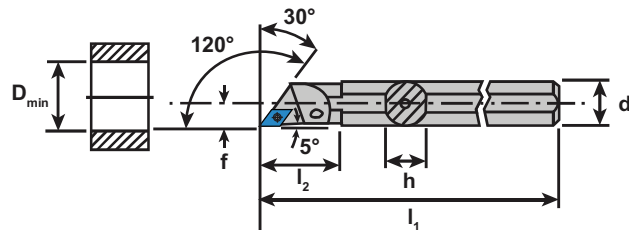
ISO Round Shank Holder SDOC

Type: 120°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features						
Item No.	Description	Item No.	Description	d	h	l	l ₂	f	d _{max}	Inserts
7005-114039	A12K SDOCL 07	7005-044339	A12K SDOCR 07	12	11.5	125	21	7	14	DC...0702



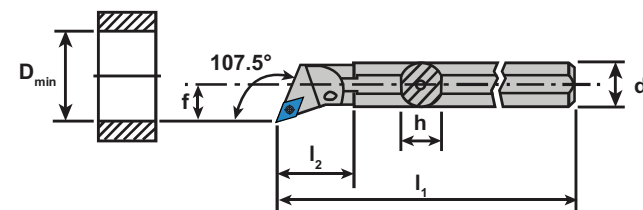
ISO Round Shank Holder SDQC

Type: 107.5°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features						
Item No.	Description	Item No.	Description	d	h	l	l ₂	f	d _{max}	Inserts
7005-045240	A12K SDQCL 07	7005-045241	A12K SDQCR 07	12	11.5	125	22	9	16	DC...0702
7005-045242	A16M SDQCL 07	7005-045243	A16M SDQCR 07	16	15	150	29	11	20	DC...0702
7005-045244	A20Q SDQCL 07	7005-045245	A20Q SDQCR 07	20	18.5	180	32	13	25	DC...0702



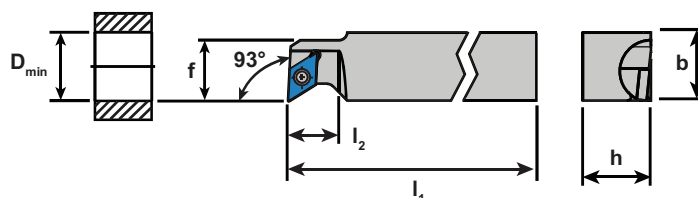
ISO Holder SDUC

Type: 93°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features						
Item No.	Description	Item No.	Description	b	h	l	l ₂	f	d _{max}	Inserts
Call For Details	SDUCL 0808 XH07	Call For Details	SDUCR 0808 XH07	8	8	100	12	14	16	DC...0702
Call For Details	SDUCL 1010 XH07	Call For Details	SDUCR 1010 XH07	10	10	100	12	14	16	DC...0702
7005-043318	SDUCL 1212 XH07	7005-043319	SDUCR 1212 XH07	12	12	100	12	14	16	DC...0702
7005-044107	SDUCL 1616 XK07	7005-044106	SDUCR 1616 XK07	16	16	125	12	14	16	DC...0702





ISO Coolant-Thru Holder SDUC

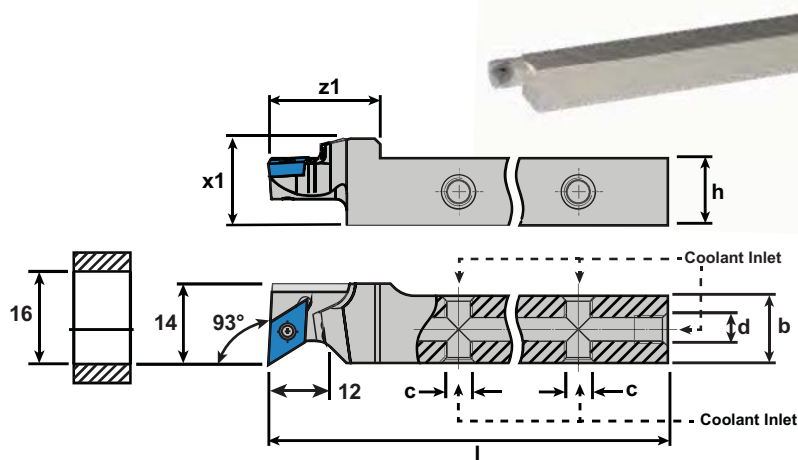
Type: 93°

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features							Coolant Fittings	
Item No.	Description	Item No.	Description	b	h	l	z ₁	x ₁	d	Inserts	Side	Rear
Call For Details	SDUCL 0808 XH07 IC	Call For Details	SDUCR 0808 XH07 IC	10	8	100	20	11.5	M5	DC...0702	4005-000111	4005-000111
Call For Details	SDUCL 1010 XH07 IC	Call For Details	SDUCR 1010 XH07 IC	10	10	100	20	13.5	M5	DC...0702	4005-000111	4005-000111
Call For Details	SDUCL 1212 XH07 IC	Call For Details	SDUCR 1212 XH07 IC	12	12	100	20	15.5	M5	DC...0702	4005-000111	4005-000111
Call For Details	SDUCL 1616 XH07 IC	Call For Details	SDUCR 1616 XH07 IC	16	16	100	20	19.5	G1/8"	DC...0702	4005-000111	4005-000104
Call For Details	SDUCL 1616 XK07 IC	Call For Details	SDUCR 1616 XK07 IC	16	16	125	20	19.5	G1/8"	DC...0702	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.



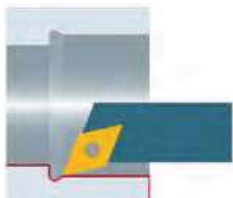
4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks



4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
Fits Position (d) On Tool Holders
Sold Separately.



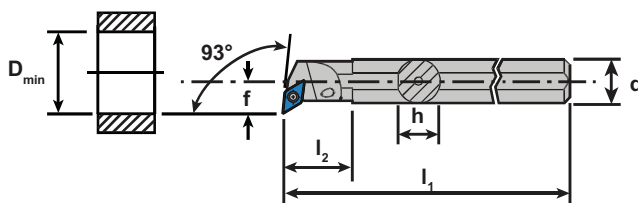
ISO Round Shank Holder SDUC

Type: 93°

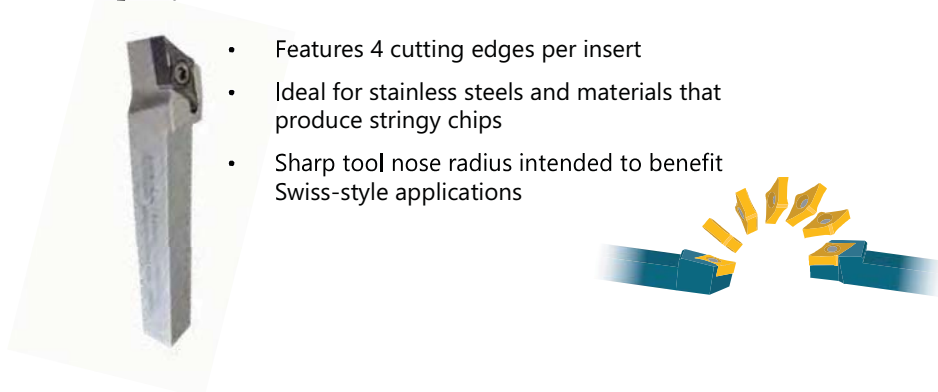
Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features						
Item No.	Description	Item No.	Description	d	h	l	l ₂	f	d _{max}	Inserts
7005-045293	A10H SDUCL 07	7005-045292	A10H SDUCR 07	10	9	100	-	7	14	DC...0702
7005-045248	A12K SDUCL 07	7005-045249	A12K SDUCR 07	12	11.5	125	22	9	16	DC...0702
7005-045250	A16M SDUCL 07	7005-045251	A16M SDUCR 07	16	15	150	29	11	20	DC...0702
7005-045252	A20Q SDUCL 07	7005-045253	A20Q SDUCR 07	20	18.5	180	32	13	25	DC...0702
7005-045254	A20Q SDUCL 11	7005-045255	A20Q SDUCR 11	20	18.5	180	32	13	25	DC...11T3



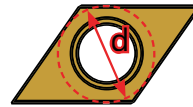
DNGU carbide inserts are ideal for applications where chip control becomes an issue. The high positive geometry insert with negative tool holder creates an ideal situation for rolling chips in a controlled manner.



- Features 4 cutting edges per insert
- Ideal for stainless steels and materials that produce stringy chips
- Sharp tool nose radius intended to benefit Swiss-style applications

Coatings vs Material Type

Carbide												Cermet	Diamond	Materials
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20	



DC...07 inserts: d = .250"
DC...11 inserts: d = .375"

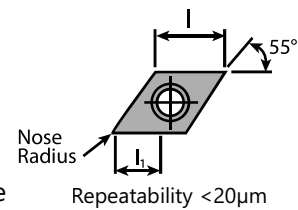
Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



DNGU Carbide A4

Cut: Neutral

Chip Breaker: A4, Polished Rake, Sharp Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	l	l ₁	Nose Radius	Holder	Coating	
Call For Details	DNGU 1104008 FN A4 UHM20 HPX	Sharp	11.6	2.9	.08mm/.0031in	SDJN...11	UHM 20 HPX	
7005-126952	DNGU 1104008 FN A4 UHM30 HX	Sharp	11.6	2.9	.08mm/.0031in	SDJN...11	UHM 30 HX	
7005-126951	DNGU 1104008 FN A4 UHM30 SX	Sharp	11.6	2.9	.08mm/.0031in	SDJN...11	UHM 30 SX	
Call For Details	DNGU 1104015 FN A4 UHM20 HPX	Sharp	11.6	2.9	.15mm/.0059in	SDJN...11	UHM 20 HPX	
7005-126955	DNGU 1104015 FN A4 UHM30 HX	Sharp	11.6	2.9	.15mm/.0059in	SDJN...11	UHM 30 HX	
Call For Details	DNGU 1104015 FN A4 UHM30 SX	Sharp	11.6	2.9	.15mm/.0059in	SDJN...11	UHM 30 SX	

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	-	-	-	-	-	-	-	-	-
Micro Finishing	■	■	■	□	■	■	-	-	-



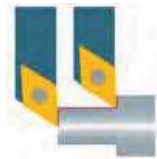
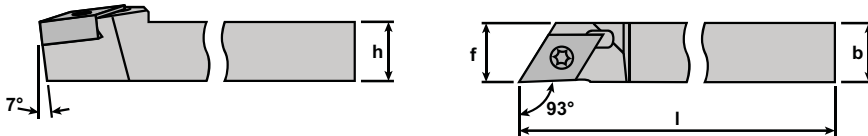


ISO Holder SDJN

Type: 93°, DNGU A4 Inserts
Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
7005-148808	SDJNL 1012 F11	7005-148807	SDJNR 1012 F11	12	10	80	12	DN...11
7005-127479	SDJNL 1012 H11	7005-127476	SDJNR 1012 H11	12	10	100	12	DN...11
7005-127418	SDJNL 1212 H11	7005-126959	SDJNR 1212 H11	12	12	100	12	DN...11
7005-127419	SDJNL 1616 K11	7005-126960	SDJNR 1616 K11	16	16	125	16	DN...11
7005-127480	SDJNL 2020 K11	7005-127477	SDJNR 2020 K11	20	20	125	20	DN...11
7005-138578	SDJNL 2525 M11	7005-138580	SDJNR 2525 M11	25	25	150	25	DN...11
Call For Details	SDJNL 3/8" F11	7005-148809	SDJNR 3/8" F11	9.525	9.525	80	9.525	DN...11
7005-113722	SDJNL 3/8" H11	7005-113723	SDJNR 3/8" H11	9.525	9.525	100	9.525	DN...11
7005-113724	SDJNL 1/2" H11	7005-113725	SDJNR 1/2" H11	12.7	12.7	100	12.7	DN...11
7005-113726	SDJNL 5/8" K11	7005-113727	SDJNR 5/8" K11	15.875	15.875	125	15.875	DN...11
7005-113728	SDJNL 3/4" K11	7005-113729	SDJNR 3/4" K11	19.05	19.05	125	19.05	DN...11



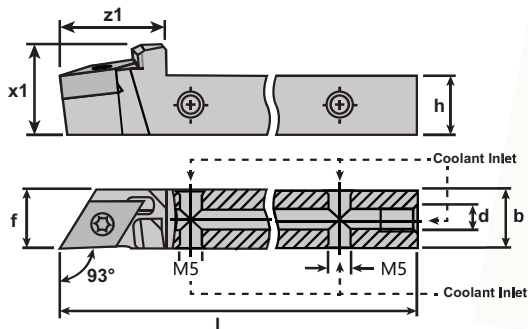
ISO Coolant-Thru Holder SDJN

Type: 93°, DNGU A4 Inserts
Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features								Coolant Fittings	
Item No.	Description	Item No.	Description	b	h	l	z ₁	x ₁	d	f	Inserts	Side	Rear
Call For Details	SDJNL 1012 F11 IC	Call For Details	SDJNR 1012 F11 IC	12	10	80	22	16.5	M5	8	DN...11	4005-000111	4005-000111
Call For Details	SDJNL 1012 H11 IC	Call For Details	SDJNR 1012 H11 IC	12	10	100	22	16.5	M5	12	DN...11	4005-000111	4005-000111
Call For Details	SDJNL 1212 H11 IC	Call For Details	SDJNR 1212 H11 IC	12	12	100	22	18.5	M5	12	DN...11	4005-000111	4005-000111
Call For Details	SDJNL 1616 K11 IC	Call For Details	SDJNR 1616 K11 IC	16	16	125	22	22.5	G1/8"	16	DN...11	4005-000111	4005-000104
Call For Details	SDJNL 2020 K11 IC	Call For Details	SDJNR 2020 K11 IC	20	20	125	22	26.5	G1/8"	20	DN...11	4005-000111	4005-000104
Call For Details	SDJNL 2525 M11 IC	Call For Details	SDJNR 2525 M11 IC	25	25	125	22	31.5	G1/8"	25	DN...11	4005-000111	4005-000104
Call For Details	SDJNL 3/8" H11 IC	Call For Details	SDJNR 3/8" H11 IC	12	9.525	100	22	16	M5	12	DN...11	4005-000111	4005-000111
Call For Details	SDJNL 1/2" H11 IC	Call For Details	SDJNR 1/2" H11 IC	12.7	12.7	100	22	19.2	M5	12.7	DN...11	4005-000111	4005-000111
Call For Details	SDJNL 5/8" K11 IC	Call For Details	SDJNR 5/8" K11 IC	15.875	15.875	125	22	22.4	G1/8"	15.875	DN...11	4005-000111	4005-000104
Call For Details	SDJNL 3/4" K11 IC	Call For Details	SDJNR 3/4" K11 IC	19.05	19.05	125	22	25.5	G1/8"	19.05	DN...11	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.



4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks.

4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
**Fits Position (d) On Tool Holders
Sold Separately.**



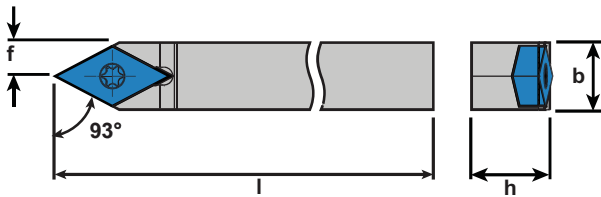
ISO Holder SDNNN

Type: 62.5°, DNGU A4 Inserts

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
Call For Details	SDNNN 1012 H11	Call For Details	SDNNN 1012 H11	12	10	100	12	DN...11
Call For Details	SDNNN 1212 H11	Call For Details	SDNNN 1212 H11	12	12	100	12	DN...11
Call For Details	SDNNN 1616 K11	Call For Details	SDNNN 1616 K11	16	16	125	16	DN...11
Call For Details	SDNNN 2020 K11	Call For Details	SDNNN 2020 K11	20	20	125	20	DN...11
Call For Details	SDNNN 2525 K11	Call For Details	SDNNN 2525 K11	25	25	150	25	DN...11
Call For Details	SDNNN 3/8" H11	Call For Details	SDNNN 3/8" H11	9.525	9.525	100	9.525	DN...11
Call For Details	SDNNN 1/2" H11	Call For Details	SDNNN 1/2" H11	12.7	12.7	100	12.7	DN...11
Call For Details	SDNNN 5/8" K11	Call For Details	SDNNN 5/8" K11	15.875	15.875	125	15.875	DN...11
Call For Details	SDNNN 3/4" K11	Call For Details	SDNNN 3/4" K11	19.05	19.05	125	19.05	DN...11



ISO Coolant-Thru Holder SDNNN

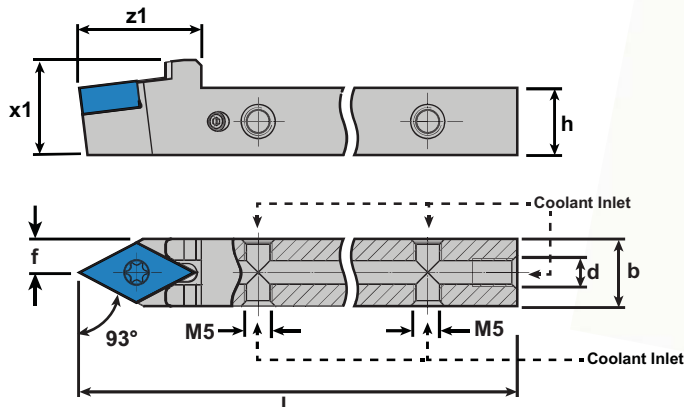
Type: 62.5°, DNGU A4 Inserts

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features								Coolant Fittings	
Item No.	Description	Item No.	Description	b	h	l	z ₁	x ₁	d	f	Inserts	Side	Rear
Call For Details	SDNNN 1012 H11 IC	Call For Details	SDNNN 1012 H11 IC	12	10	100	22	15	M5	6	DN...11	4005-000111	4005-000111
Call For Details	SDNNN 1212 H11 IC	Call For Details	SDNNN 1212 H11 IC	12	12	100	22	17	M5	6	DN...11	4005-000111	4005-000111
Call For Details	SDNNN 1616 K11 IC	Call For Details	SDNNN 1616 K11 IC	16	16	125	22	21	G1/8"	8	DN...11	4005-000111	4005-000104
Call For Details	SDNNN 2020 K11 IC	Call For Details	SDNNN 2020 K11 IC	20	20	125	22	25	G1/8"	10	DN...11	4005-000111	4005-000104
Call For Details	SDNNN 2525 K11 IC	Call For Details	SDNNN 2525 K11 IC	25	25	125	25	30.5	G1/8"	12.5	DN...11	4005-000111	4005-000104
Call For Details	SDNNN 3/8" H11 IC	Call For Details	SDNNN 3/8" H11 IC	9.525	9.525	100	22	14.525	M5	4.76	DN...11	4005-000111	4005-000111
Call For Details	SDNNN 1/2" H11 IC	Call For Details	SDNNN 1/2" H11 IC	12.7	12.7	100	22	17.7	M5	6.35	DN...11	4005-000111	4005-000111
Call For Details	SDNNN 5/8" K11 IC	Call For Details	SDNNN 5/8" K11 IC	15.875	15.875	125	22	20.875	G1/8"	7.94	DN...11	4005-000111	4005-000104
Call For Details	SDNNN 3/4" K11 IC	Call For Details	SDNNN 3/4" K11 IC	19.05	19.05	125	22	24.05	G1/8"	9.525	DN...11	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.



4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks.

4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSP to 1/4 JIC Flare Fitting
Fits Position (d) On Tool Holders
Sold Separately.

Coatings vs Material Type

Carbide										Cermet		Diamond		Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		

Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



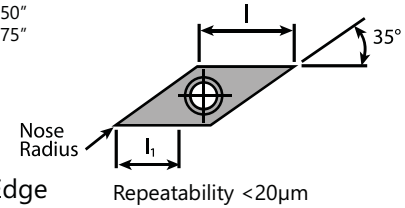
VC...07 inserts: d = .250"
 VC...10 inserts: d = .250"
 VC...11 inserts: d = .250"
 VC...16 inserts: d = .375"



VCGT Carbide A3

Cut: Neutral

Chip Breaker: A3, Polished Rake, Sharp Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-153760	VCGT 0702006 FN A3 UHM10 HX	Sharp	6.8	3	.06mm/.0024in	SD...11	UHM 10 HX	
Call For Details	VCGT 0702006 FN A3 UHM20 HPX	Sharp	6.8	3	.06mm/.0024in	SD...11	UHM 20 HPX	
7005-123088	VCGT 1103008 FN A3 UHM10 HX	Sharp	11.1	6	.08mm/.0031in	SD...11	UHM 10 HX	
7005-116991	VCGT 1103008 FN A3 UHM20 HPX	Sharp	11.1	6	.08mm/.0031in	SD...11	UHM 20 HPX	
7005-121880	VCGT 1103015 FN A3 UHM10 HX	Sharp	11.1	6	.15mm/.0059in	SD...11	UHM 10 HX	
Call For Details	VCGT 1103015 FN A3 UHM20 HPX	Sharp	11.1	6	.15mm/.0059in	SD...11	UHM 20 HPX	
7005-121881	VCGT 1103035 FN A3 UHM10 HX	Sharp	11.1	6	.35mm/.0137in	SD...11	UHM 10 HX	
Call For Details	VCGT 1103035 FN A3 UHM20 HPX	Sharp	11.1	6	.35mm/.0137in	SD...11	UHM 20 HPX	

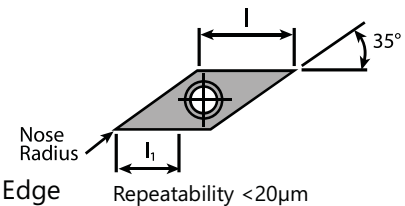
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	□	□	□	□	□	□	■	-	■
Micro Finishing	■	■	■	■	■	■	■	-	■



VCGT Carbide PA5

Cut: Neutral

Chip Breaker: PA5, Polished Rake, Sharp Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-126563	VCGT 110302 FN PA5 UHM10 HX	Sharp	11.1	6.8	.2mm/.0078in	SV...11	UHM 10 HX	
7005-126562	VCGT 110304 FN PA5 UHM10 HX	Sharp	11.1	6.8	.4mm/.0157in	SV...11	UHM 10 HX	
7005-123456	VCGT 160404 FN PA5 UHM10 HX	Sharp	16.6	8.9	.4mm/.0157in	SV...16	UHM 10 HX	
7005-123457	VCGT 160408 FN PA5 UHM10 HX	Sharp	16.6	8.9	.8mm/.0314in	SV...16	UHM 10 HX	

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	-	□
Finishing	■	■	■	□	■	■	■	-	■
Micro Finishing	■	■	■	□	■	■	■	-	■

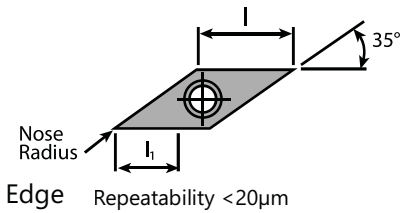




VCGT Carbide TOP5 Wiper

Cut: Right Hand, Left Hand

Chip Breaker: TOP5, Polished Rake, Sharp Cutting Edge



		Dimensions & Features						
Item No.	Description	Hand	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-126920	VCGT 110304 FL TOP5 UHM10 HX	Left	Sharp	11.1	7	.4mm/.0157in	SV...11	UHM 10 HX
7005-126906	VCGT 110304 FR TOP5 UHM10 HX	Right	Sharp	11.1	7	.4mm/.0157in	SV...11	UHM 10 HX

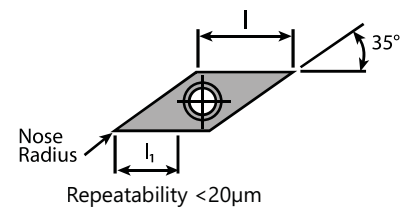
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	□	□	□	□	-	□
Finishing	■	■	■	□	■	■	■	-	■
Micro Finishing	□	□	□	□	□	□	□	-	□



VCGT Carbide PA7

Cut: Neutral

Chip Breaker: PA7, Sharp Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-114387	VCGT 1103005 FN PA7 UHM10 HX	Sharp	11.1	5.5	.05mm/.0019in	SV...11	UHM 10 HX	
7005-114390	VCGT 110301 FN PA7 UHM10 HX	Sharp	11.1	5.5	.1mm/.0039in	SV...11	UHM 10 HX	
7005-123648	VCGT 110302 FN PA7 UHM10 HX	Sharp	11.1	5.5	.2mm/.0078in	SV...11	UHM 10 HX	
7005-012984	VCGT 110304 FN PA7 UHM10 HX	Sharp	11.1	5.5	.4mm/.0157in	SV...11	UHM 10 HX	
7005-123649	VCGT 110308 FN PA7 UHM10 HX	Sharp	11.1	5.5	.8mm/.0314in	SV...11	UHM 10 HX	
7005-114396	VCGT 160402 FN PA7 UHM10 HX	Sharp	16.6	8.9	.2mm/.0078in	SV...16	UHM 10 HX	
7005-123316	VCGT 160404 FN PA7 UHM10 HX	Sharp	16.6	8.9	.4mm/.0157in	SV...16	UHM 10 HX	
7005-123458	VCGT 160408 FN PA7 UHM10 HX	Sharp	16.6	8.9	.8mm/.0314in	SV...16	UHM 10 HX	

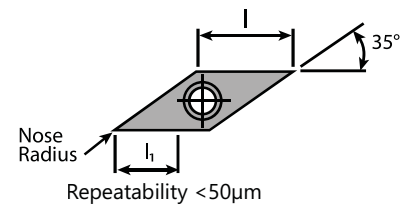
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	-	□
Finishing	□	□	□	□	□	□	■	-	■
Micro Finishing	■	■	■	□	■	■	■	-	■



VCXT Carbide PA9

Cut: Neutral

Chip Breaker: PA9, Honed Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
Call For Details	VCXT 160404 FN PA9 UHM10 HX	Sharp	16.6	8.9	.4mm/.0157in	SV...16	UHM 10 HX	
Call For Details	VCXT 160408 FN PA9 UHM10 HX	Sharp	16.6	8.9	.8mm/.0314in	SV...16	UHM 10 HX	

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	□	□	□	■	-	-
Finishing	■	■	■	■	■	■	□	-	-
Micro Finishing	□	□	□	-	□	□	-	-	-



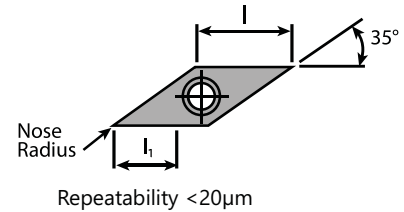
Coatings vs Material Type

Carbide									Cermet		Diamond			Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		

Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



VC...07 inserts: d = .250"
 VC...10 inserts: d = .250"
 VC...11 inserts: d = .250"
 VC...16 inserts: d = .375"



VCGT Carbide/Cermet PF

Cut: Neutral

Chip Breaker: PF, Polished Rake, Sharp Cutting Edge

		Dimensions & Features						
Item No.	Description	Edge	l	l ₁	Nose Radius	Holder	Coating	
7005-113695	VCGT 110302 EN PF UHM10 MZ	Sharp	11.1	4.8	.2mm/.0078in	SD...11	UHM 10 MZ	
7005-123394	VCGT 110302 EN PF UHM20 MZ	Sharp	11.1	4.8	.2mm/.0078in	SD...11	UHM 20 MZ	
7005-123395	VCGT 110302 EN PF UHM30 MZ	Sharp	11.1	4.8	.2mm/.0078in	SD...11	UHM 30 MZ	
7005-123647	VCGT 110302 EN PF UCM10 HX	Sharp	11.1	4.8	.2mm/.0078in	SD...11	UCM 10 HX	
Call For Details	VCGT 110302 EN PF UCM10 MZ	Sharp	11.1	4.8	.2mm/.0078in	SD...11	UCM 10 MZ	
7005-113696	VCGT 110304 EN PF UHM10 MZ	Sharp	11.1	4.8	.4mm/.0157in	SD...11	UHM 10 MZ	
7005-123396	VCGT 110304 EN PF UHM20 MZ	Sharp	11.1	4.8	.4mm/.0157in	SD...11	UHM 20 MZ	
7005-123397	VCGT 110304 EN PF UHM30 MZ	Sharp	11.1	4.8	.4mm/.0157in	SD...11	UHM 30 MZ	
7005-013273	VCGT 110304 EN PF UCM10 HX	Sharp	11.1	4.8	.4mm/.0157in	SD...11	UCM 10 HX	
Call For Details	VCGT 110304 EN PF UCM10 MZ	Sharp	11.1	4.8	.4mm/.0157in	SD...11	UCM 10 MZ	
7005-113697	VCGT 110308 EN PF UHM10 MZ	Sharp	11.1	4.8	.8mm/.0314in	SD...11	UHM 10 MZ	
7005-127966	VCGT 110308 EN PF UHM20 MZ	Sharp	11.1	4.8	.8mm/.0314in	SD...11	UHM 20 MZ	
7005-123399	VCGT 110308 EN PF UHM30 MZ	Sharp	11.1	4.8	.8mm/.0314in	SD...11	UHM 30 MZ	
7005-123650	VCGT 160404 EN PF UCM10 HX	Sharp	16.6	6	.4mm/.0157in	SD...16	UCM 10 HX	
Call For Details	VCGT 160404 EN PF UCM10 MZ	Sharp	16.6	6	.4mm/.0157in	SD...16	UCM 10 MZ	
7005-123651	VCGT 160408 EN PF UCM10 HX	Sharp	16.6	6	.8mm/.0314in	SD...16	UCM 10 HX	
Call For Details	VCGT 160408 EN PF UCM10 MZ	Sharp	16.6	6	.8mm/.0314in	SD...16	UCM 10 MZ	

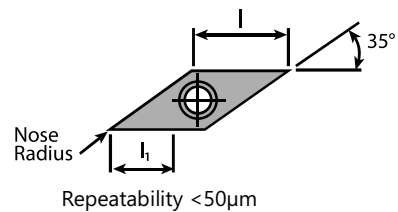
Material Class									
Application	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	-	□	□	-	-	-
Finishing	■	■	■	-	■	■	-	-	-
Micro Finishing	■	■	■	-	■	■	-	-	-



VCMT Carbide PF

Cut: Neutral

Chip Breaker: PF, Honed Cutting Edge



		Dimensions & Features						
Item No.	Description	Edge	l	l ₁	Nose Radius	Holder	Coating	
7005-113698	VCMT 160404 EN PF UHM10 MZ	Honed	16.6	6	.2mm/.0078in	SV...16	UHM 10 MZ	
7005-123401	VCMT 160404 EN PF UHM20 MZ	Honed	16.6	6	.2mm/.0078in	SV...16	UHM 20 MZ	
7005-123402	VCMT 160404 EN PF UHM30 MZ	Honed	16.6	6	.2mm/.0078in	SV...16	UHM 30 MZ	
7005-113699	VCMT 160408 EN PF UHM10 MZ	Honed	16.6	6	.4mm/.0157in	SV...16	UHM 10 MZ	
7005-123405	VCMT 160408 EN PF UHM20 MZ	Honed	16.6	6	.4mm/.0157in	SV...16	UHM 20 MZ	

Material Class									
Application	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	■	■	■	-	■	■	-	-	-
Finishing	□	□	□	-	□	□	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-

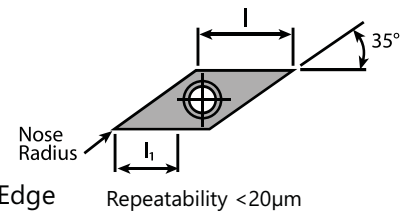




VCMT Carbide PF23

Cut: Neutral

Chip Breaker: PF23, Polished Rake, Sharp Cutting Edge



Item No.	Description	Dimensions & Features					
		Edge	I	I ₁	Nose Radius	Holder	Coating
7005-127763	VCGT 1103005 FN PF23 UHM30 HX	Sharp	11.1	4.8	.05mm/.0019in	SV...11	UHM 30 HX
7005-127215	VCGT 110301 FN PF23 UHM30 HX	Sharp	11.1	4.8	.1mm/.0039in	SV...11	UHM 30 HX
7005-137705	VCGT 110302 FN PF23 UHM30 HX	Sharp	11.1	4.8	.2mm/.0078in	SV...11	UHM 30 HX
7005-127217	VCGT 160401 FN PF23 UHM30 HX	Sharp	16.6	8.4	.1mm/.0039in	SV...16	UHM 30 HX
7005-137998	VCGT 160402 FN PF23 UHM30 HX	Sharp	16.6	8.4	.2mm/.0078in	SV...16	UHM 30 HX

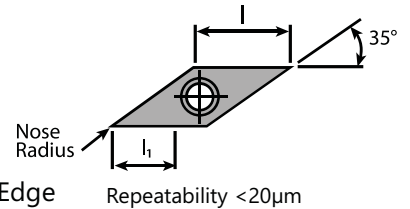
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	□	□	□	□	□	□	□	-	-
Micro Finishing	■	■	■	■	■	■	■	-	□



VCGT Carbide PF33

Cut: Neutral

Chip Breaker: PF33, Polished Rake, Sharp Cutting Edge



Item No.	Description	Dimensions & Features					
		Edge	I	I ₁	Nose Radius	Holder	Coating
7005-114374	VCGT 1103005 FN PF33 UHM30 HX	Sharp	11.1	4.8	.05mm/.0019in	SV...11	UHM 30 HX
7005-114414	VCGT 110301 FN PF33 UHM30 HX	Sharp	11.1	4.8	.1mm/.0039in	SV...11	UHM 30 HX
7005-114416	VCGT 110302 FN PF33 UHM30 HX	Sharp	11.1	4.8	.2mm/.0078in	SV...11	UHM 30 HX
7005-114418	VCGT 110304 FN PF33 UHM30 HX	Sharp	11.1	4.8	.4mm/.0157in	SV...11	UHM 30 HX
7005-114422	VCGT 160401 FN PF33 UHM30 HX	Sharp	16.6	8.4	.1mm/.0039in	SV...16	UHM 30 HX
7005-114424	VCGT 160402 FN PF33 UHM30 HX	Sharp	16.6	8.4	.2mm/.0078in	SV...16	UHM 30 HX
7005-114426	VCGT 160404 FN PF33 UHM30 HX	Sharp	16.6	8.4	.4mm/.0157in	SV...16	UHM 30 HX

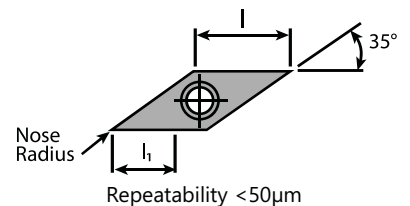
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	□	□	□	-	□	□	-	-	-
Finishing	■	■	■	-	■	■	-	-	-
Micro Finishing	■	■	■	-	■	■	-	-	-



VCMT Carbide PF43

Cut: Neutral

Chip Breaker: PF43, Honed Cutting Edge



Item No.	Description	Dimensions & Features					
		Edge	I	I ₁	Nose Radius	Holder	Coating
Call For Details	VCMT 110302 EN PF43 UHM30 HX	Honed	11.1	4.8	.2mm/.0078in	SV...11	UHM 30 HX
7005-127772	VCMT 110304 EN PF43 UHM30 HX	Honed	11.1	4.8	.4mm/.0157in	SV...11	UHM 30 HX
Call For Details	VCMT 160404 EN PF43 UHM30 HX	Honed	16.6	7	.4mm/.0157in	SV...16	UHM 30 HX

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	■	■	■	-	■	■	-	-	-
Finishing	■	■	■	-	■	■	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-



Coatings vs Material Type

Carbide									Cermet		Diamond			Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		

Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



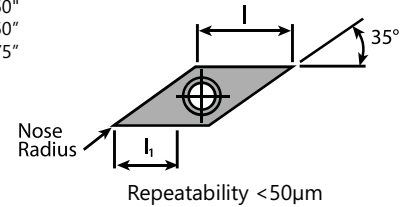
VC...07 inserts: d = .250"
 VC...10 inserts: d = .250"
 VC...11 inserts: d = .250"
 VC...16 inserts: d = .375"



VCMT Carbide PM

Cut: Neutral

Chip Breaker: PM, Honed Cutting Edge



		Dimensions & Features					
Item No.	Description	Edge	l	l ₁	Nose Radius	Holder	Coating
7005-113700	VCMT 160404 EN PM UHM10 MZ	Honed	16.6	6	.4mm/.0157in	SV...16	UHM 10 MZ
7005-123403	VCMT 160404 EN PM UHM20 MZ	Honed	16.6	6	.4mm/.0157in	SV...16	UHM 20 MZ
7005-123404	VCMT 160404 EN PM UHM30 MZ	Honed	16.6	6	.4mm/.0157in	SV...16	UHM 30 MZ
7005-113701	VCMT 160408 EN PM UHM10 MZ	Honed	16.6	6	.8mm/.0314in	SV...16	UHM 10 MZ
7005-123406	VCMT 160408 EN PM UHM20 MZ	Honed	16.6	6	.8mm/.0314in	SV...16	UHM 20 MZ
7005-123407	VCMT 160408 EN PM UHM30 MZ	Honed	16.6	6	.8mm/.0314in	SV...16	UHM 30 MZ

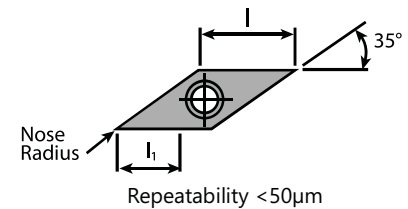
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	■	■	■	-	■	■	-	-	-
Finishing	□	□	□	-	□	□	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-



VCMT Cermet PMF

Cut: Neutral

Chip Breaker: PMF, Honed Cutting Edge



		Dimensions & Features					
Item No.	Description	Edge	l	l ₁	Nose Radius	Holder	Coating
Call For Details	VCMT 110304 EN PMF UCM10 MZ	Honed	11.1	4.1	.4mm/.0157in	SV...11	UCM 10 MZ
Call For Details	VCMT 160404 EN PMF UCM10 MZ	Honed	16.6	6	.4mm/.0157in	SV...16	UCM 10 MZ
Call For Details	VCMT 160408 EN PMF UCM10 MZ	Honed	16.6	6	.8mm/.0314in	SV...16	UCM 10 MZ

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	■	■	■	-	■	■	-	-	-
Finishing	■	■	■	-	■	■	-	-	-
Micro Finishing	-	-	-	-	-	-	-	-	-

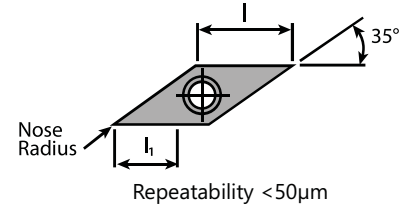




VCMT Carbide PM25

Cut: Neutral

Chip Breaker: PM25, Honed Cutting Edge



		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-112950	VCMT 160404 EN PM25 UHM20 HPX	Honed	16.6	2.2	.4mm/.0157in	SV...16	UHM 20 HPX

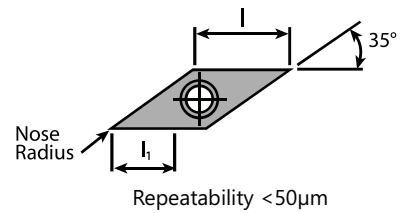
		Material Class								
Application		I	II	III	IV	V	VI	VII	VIII	IX
Roughing		-	-	-	-	-	-	-	-	-
Finishing		□	□	□	-	■	■	-	-	-
Micro Finishing		-	-	-	-	-	-	-	-	-



VCMT Carbide PM55

Cut: Neutral

Chip Breaker: PM55, Honed Cutting Edge



		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
7005-112951	VCMT 160404 EN PM55 UHM20 HPX	Honed	16.6	3	.4mm/.0157in	SV...16	UHM 20 HPX
7005-112952	VCMT 160408 EN PM55 UHM20 HPX	Honed	16.6	3.4	.8mm/.0314in	SV...16	UHM 20 HPX

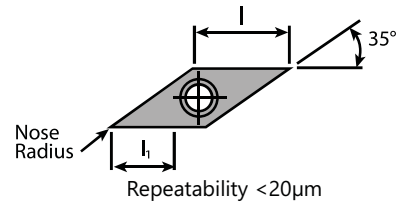
		Material Class								
Application		I	II	III	IV	V	VI	VII	VIII	IX
Roughing		□	□	□	-	■	■	-	-	-
Finishing		-	-	-	-	-	-	-	-	-
Micro Finishing		-	-	-	-	-	-	-	-	-



VCGT Diamond

Cut: Neutral

Chip Breaker: Sharp Cutting Edge



		Dimensions & Features					
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating
Call For Details	VCGT 110301 FN UPCD15	Sharp	11.1	5.4	.1mm/.0039in	SV...11	UPCD 15
7005-116199	VCGT 110301 FN UPCD20	Sharp	11.1	5.4	.1mm/.0039in	SV...11	UPCD 20
7005-137727	VCGT 110302 FN UPCD15	Sharp	11.1	4.6	.2mm/.0078in	SV...11	UPCD 15
7005-116201	VCGT 110302 FN UPCD20	Sharp	11.1	4.6	.2mm/.0078in	SV...11	UPCD 20
7005-129040	VCGT 110304 FN UPCD15	Sharp	11.1	3.9	.4mm/.0157in	SV...11	UPCD 15
7005-116206	VCGT 110304 FN UPCD20	Sharp	11.1	3.9	.4mm/.0157in	SV...11	UPCD 20
7005-137728	VCGT 110308 FN UPCD15	Sharp	11.1	3.3	.8mm/.0314in	SV...11	UPCD 15
7005-116216	VCGT 160401 FN UPCD15	Sharp	16.6	6	.1mm/.0039in	SV...16	UPCD 15
7005-116217	VCGT 160401 FN UPCD20	Sharp	16.6	6	.1mm/.0039in	SV...16	UPCD 20
7005-137729	VCGT 160402 FN UPCD15	Sharp	16.6	5.9	.2mm/.0078in	SV...16	UPCD 15
7005-116218	VCGT 160402 FN UPCD20	Sharp	16.6	5.9	.2mm/.0078in	SV...16	UPCD 20
7005-129039	VCGT 160404 FN UPCD15	Sharp	16.6	5.5	.4mm/.0157in	SV...16	UPCD 15
7005-116221	VCGT 160404 FN UPCD20	Sharp	16.6	5.5	.4mm/.0157in	SV...16	UPCD 20
7005-137730	VCGT 160408 FN UPCD15	Sharp	16.6	5	.8mm/.0314in	SV...16	UPCD 15
7005-137731	VCGT 160412 FN UPCD15	Sharp	16.6	4.5	1.2mm/.0472in	SV...16	UPCD 15

		Material Class								
Application		I	II	III	IV	V	VI	VII	VIII	IX
Roughing		-	-	-	-	-	-	-	-	-
Finishing		-	-	-	-	-	-	■	■	■
Micro Finishing		-	-	-	-	-	-	■	■	■



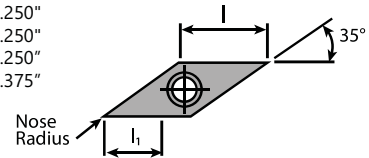
Coatings vs Material Type

Carbide									Cermet		Diamond			Materials	
-	-	■	■	■	□	□	■	□	■	■	-	-	-	Steel	
-	■	-	■	□	□	■	■	■	□	■	-	-	-	Stainless Steel	
□	■	-	□	-	□	■	-	-	-	-	-	-	-	Titanium & Ti-Alloys	
■	□	-	-	-	□	□	-	□	-	-	■	■	■	Non Ferrous Metals	
UHM 10	UHM 10 HX	UHM 10 MZ	UHM 20 HPX	UHM 20 MZ	UHM 30	UHM 30 HX	UHM 30 MZ	UHM 30 SX	UCM 10	UCM 10 HX	UCVD 08	UPCD 15	UPCD 20		

Material Class								
I	II	III	IV	V	VI	VII	VIII	IX
Steel Non-Alloyed	Steel Low-Alloyed	Steel High-Alloyed	Titanium	Stainless Steel (HB < 220)	Stainless Steel (HB ≥ 220)	Aluminum	Brass	Synthetics / Composites



VC...07 inserts: d = .250"
 VC...10 inserts: d = .250"
 VC...11 inserts: d = .250"
 VC...16 inserts: d = .375"



Repeatability < 20µm



VCGT Diamond UWS

Cut: Neutral

Chip Breaker: UWS, Sharp Cutting Edge

		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
7005-116676	VCGT 110302 FN UWS UCVD08	Sharp	11.1	4.6	.2mm/.0078in	SV...11	UCVD 08	
7005-116411	VCGT 110302 FN UWS UPCD15	Sharp	11.1	4.6	.2mm/.0078in	SV...11	UPCD 15	
7005-116412	VCGT 110302 FN UWS UPCD20	Sharp	11.1	4.6	.2mm/.0078in	SV...11	UPCD 20	
7005-116677	VCGT 110304 FN UWS UCVD08	Sharp	11.1	3.9	.4mm/.0157in	SV...11	UCVD 08	
7005-116417	VCGT 110304 FN UWS UPCD15	Sharp	11.1	3.9	.4mm/.0157in	SV...11	UPCD 15	
7005-116418	VCGT 110304 FN UWS UPCD20	Sharp	11.1	3.9	.4mm/.0157in	SV...11	UPCD 20	
Call For Details	VCGT 110308 FN UWS UPCD15	Sharp	11.1	3.3	.8mm/.0314in	SV...11	UPCD 15	
Call For Details	VCGT 160401 FN UWS UCVD08	Sharp	16.6	6	.1mm/.0039in	SV...16	UCVD 08	
Call For Details	VCGT 160401 FN UWS UPCD15	Sharp	16.6	6	.1mm/.0039in	SV...16	UPCD 15	
7005-116692	VCGT 160402 FN UWS UCVD08	Sharp	16.6	5.9	.2mm/.0078in	SV...16	UCVD 08	
7005-116429	VCGT 160402 FN UWS UPCD15	Sharp	16.6	5.9	.2mm/.0078in	SV...16	UPCD 15	
7005-116696	VCGT 160404 FN UWS UCVD08	Sharp	16.6	5.5	.4mm/.0157in	SV...16	UCVD 08	
7005-116433	VCGT 160404 FN UWS UPCD15	Sharp	16.6	5.5	.4mm/.0157in	SV...16	UPCD 15	
7005-116434	VCGT 160404 FN UWS UPCD20	Sharp	16.6	5.5	.4mm/.0157in	SV...16	UPCD 20	
7005-116700	VCGT 160408 FN UWS UCVD08	Sharp	16.6	5	.8mm/.0314in	SV...16	UCVD 08	
7005-116437	VCGT 160408 FN UWS UPCD15	Sharp	16.6	5	.8mm/.0314in	SV...16	UPCD 15	
7005-116438	VCGT 160408 FN UWS UPCD20	Sharp	16.6	5	.8mm/.0314in	SV...16	UPCD 20	
7005-116704	VCGT 160412 FN UWS UCVD08	Sharp	16.6	4.5	1.2mm/.0472in	SV...16	UCVD 08	
7005-116441	VCGT 160412 FN UWS UPCD15	Sharp	16.6	4.5	1.2mm/.0472in	SV...16	UPCD 15	
7005-116442	VCGT 160412 FN UWS UPCD20	Sharp	16.6	4.5	1.2mm/.0472in	SV...16	UPCD 20	

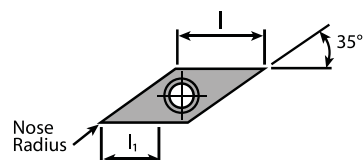
Material Class									
Application	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	-	-	-
Finishing	-	-	-	-	-	-	□	□	□
Micro Finishing	-	-	-	-	-	-	■	■	■



VCGT Diamond UWR

Cut: Neutral

Chip Breaker: UWR, Sharp Cutting Edge



Repeatability < 20µm

		Dimensions & Features						
Item No.	Description	Edge	I	I ₁	Nose Radius	Holder	Coating	
Call For Details	VCGT 110304 FN UWR UPCD20	Sharp	11.1	3.9	.4mm/.0157in	SV...11	UPCD 20	
Call For Details	VCGT 160404 FN UWR UPCD20	Sharp	16.6	5.5	.4mm/.0157in	SV...16	UPCD 20	

Material Class									
Application	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	-	-	-

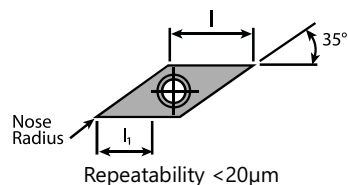




VCGT Diamond UWN

Cut: Neutral

Chip Breaker: UWN, Sharp Cutting Edge



Item No.	Description	Dimensions & Features					
		Edge	L	L ₁	Nose Radius	Holder	Coating
7005-116675	VCGT 110302 FN UWN UCVD08	Sharp	11.1	4.6	.2mm/.0078in	SV...11	UCVD 08
7005-116410	VCGT 110302 FN UWN UPCD20	Sharp	11.1	4.6	.2mm/.0078in	SV...11	UPCD 20
7005-116679	VCGT 110304 FN UWN UCVD08	Sharp	11.1	3.9	.4mm/.0157in	SV...11	UCVD 08
7005-116416	VCGT 110304 FN UWN UPCD20	Sharp	11.1	3.9	.4mm/.0157in	SV...11	UPCD 20
7005-116683	VCGT 110308 FN UWN UCVD08	Sharp	11.1	3.3	.8mm/.0314in	SV...11	UCVD 08
Call For Details	VCGT 110308 FN UWN UPCD20	Sharp	11.1	3.3	.8mm/.0314in	SV...11	UPCD 20
7005-116691	VCGT 160402 FN UWN UCVD08	Sharp	16.6	5.9	.2mm/.0078in	SV...16	UCVD 08
Call For Details	VCGT 160402 FN UWN UPCD20	Sharp	16.6	5.9	.2mm/.0078in	SV...16	UPCD 20
7005-116695	VCGT 160404 FN UWN UCVD08	Sharp	16.6	5.5	.4mm/.0157in	SV...16	UCVD 08
Call For Details	VCGT 160404 FN UWN UPCD20	Sharp	16.6	5.5	.4mm/.0157in	SV...16	UPCD 20
7005-116699	VCGT 160408 FN UWN UCVD08	Sharp	16.6	5	.8mm/.0314in	SV...16	UCVD 08
Call For Details	VCGT 160408 FN UWN UPCD20	Sharp	16.6	5	.8mm/.0314in	SV...16	UPCD 20
7005-116703	VCGT 160412 FN UWN UCVD08	Sharp	16.6	4.5	1.2mm/.0472in	SV...16	UCVD 08
Call For Details	VCGT 160412 FN UWN UPCD20	Sharp	16.6	4.5	1.2mm/.0472in	SV...16	UPCD 20

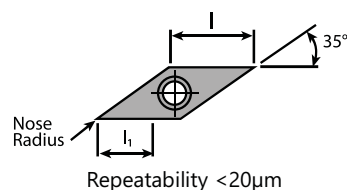
Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	-	-	-



VCGW Diamond

Cut: Neutral

Chip Breaker: UWN, Sharp Cutting Edge



Item No.	Description	Dimensions & Features					
		Edge	L	L ₁	Nose Radius	Holder	Coating
7005-116235	VCGW 110301 FN UPCD20	Sharp	11.1	4.6	.1mm/.0039in	SV...11	UPCD 20
Call For Details	VCGW 110302 FN UCVD08	Sharp	11.1	4.6	.2mm/.0078in	SV...11	UCVD 08
7005-129036	VCGW 110302 FN UPCD15	Sharp	11.1	4.6	.2mm/.0078in	SV...11	UPCD 15
7005-116236	VCGW 110302 FN UPCD20	Sharp	11.1	4.6	.2mm/.0078in	SV...11	UPCD 20
7005-116911	VCGW 110304 FN UCVD08	Sharp	11.1	3.9	.4mm/.0157in	SV...11	UCVD 08
Call For Details	VCGW 110304 FN UPCD15	Sharp	11.1	3.9	.4mm/.0157in	SV...11	UPCD 15
7005-116237	VCGW 110304 FN UPCD20	Sharp	11.1	3.9	.4mm/.0157in	SV...11	UPCD 20
7005-116238	VCGW 110308 FN UPCD15	Sharp	11.1	3.3	.8mm/.0314in	SV...11	UPCD 15
7005-116242	VCGW 160401 FN UPCD20	Sharp	16.6	6	.1mm/.0039in	SV...16	UPCD 20
7005-116913	VCGW 160402 FN UCVD08	Sharp	16.6	5.9	.2mm/.0078in	SV...16	UCVD 08
7005-129026	VCGW 160402 FN UPCD15	Sharp	16.6	5.9	.2mm/.0078in	SV...16	UPCD 15
7005-116243	VCGW 160402 FN UPCD20	Sharp	16.6	5.9	.2mm/.0078in	SV...16	UPCD 20
7005-116914	VCGW 160404 FN UCVD08	Sharp	16.6	5.5	.4mm/.0157in	SV...16	UCVD 08
7005-137734	VCGW 160404 FN UPCD15	Sharp	16.6	5.5	.4mm/.0157in	SV...16	UPCD 15
7005-116244	VCGW 160404 FN UPCD20	Sharp	16.6	5.5	.4mm/.0157in	SV...16	UPCD 20
7005-116915	VCGW 160408 FN UCVD08	Sharp	16.6	5	.8mm/.0314in	SV...16	UCVD 08
7005-137735	VCGW 160408 FN UPCD15	Sharp	16.6	5	.8mm/.0314in	SV...16	UPCD 15
7005-116245	VCGW 160408 FN UPCD20	Sharp	16.6	5	.8mm/.0314in	SV...16	UPCD 20
7005-137736	VCGW 160412 FN UPCD15	Sharp	16.6	4.5	1.2mm/.0472in	SV...16	UPCD 15
7005-116246	VCGW 160412 FN UPCD20	Sharp	16.6	4.5	1.2mm/.0472in	SV...16	UPCD 20

Application	Material Class								
	I	II	III	IV	V	VI	VII	VIII	IX
Roughing	-	-	-	-	-	-	□	□	□
Finishing	-	-	-	-	-	-	■	■	■
Micro Finishing	-	-	-	-	-	-	■	■	■





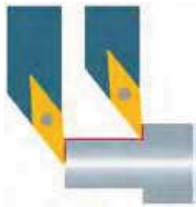
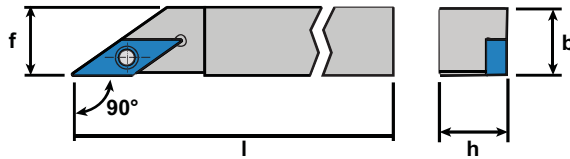
ISO Holder SVAC

Type: 90°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
7005-148813	SVACL 0808 F11 U	7005-148811	SVACR 0808 F11 U	8	8	80	8	VC...1103
Call For Details	SVACL 0808 H07 U	Call For Details	SVACR 0808 H07 U	8	8	100	8	VC...0702
7005-044039	SVACL 0808 H11 U	7005-044040	SVACR 0808 H11 U	8	8	100	8	VC...1103
7005-148814	SVACL 1010 F11 U	7005-148812	SVACR 1010 F11 U	10	10	80	10	VC...1103
Call For Details	SVACL 1010 H07 U	Call For Details	SVACR 1010 H07 U	10	10	100	10	VC...0702
7005-044041	SVACL 1010 H11 U	7005-044042	SVACR 1010 H11 U	10	10	100	10	VC...1103
Call For Details	SVACL 1212 H07 U	Call For Details	SVACR 1212 H07 U	12	12	100	12	VC...0702
Call For Details	SVACL 1212 M11 U	Call For Details	SVACR 1212 M11 U	12	12	100	12	VC...1103



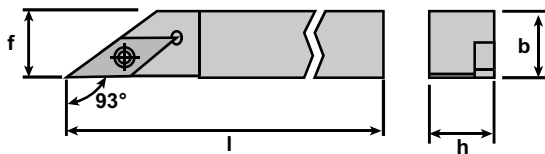
ISO Holder SVJC

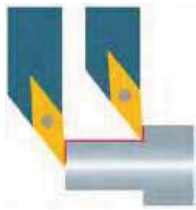
Type: 93°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
7005-148817	SVJCL 0808 F11 U	7005-148815	SVJCR 0808 F11 U	8	8	80	8	VC...1103
Call For Details	SVJCL 0808 H07 U	Call For Details	SVJCR 0808 H07 U	8	8	100	8	VC...0702
7005-044031	SVJCL 0808 H11 U	7005-044032	SVJCR 0808 H11 U	8	8	100	8	VC...1103
7005-148818	SVJCL 1010 F11 U	7005-148816	SVJCR 1010 F11 U	10	10	80	10	VC...1103
Call For Details	SVJCL 1010 H07 U	Call For Details	SVJCR 1010 H07 U	10	10	100	10	VC...0702
7005-044033	SVJCL 1010 H11 U	7005-044034	SVJCR 1010 H11 U	10	10	100	10	VC...1103
Call For Details	SVJCL 1212 H07 U	Call For Details	SVJCR 1212 H07 U	12	12	100	12	VC...0702
7005-044035	SVJCL 1212 H11 U	7005-044036	SVJCR 1212 H11 U	12	12	100	12	VC...1103
7005-044087	SVJCL 1616 K11 U	7005-044088	SVJCR 1616 K11 U	16	16	125	16	VC...1103
7005-044234	SVJCL 1616 K16 U	7005-044233	SVJCR 1616 K16 U	16	16	125	16	VC...1604
7005-044089	SVJCL 2020 K11 U	7005-044090	SVJCR 2020 K11 U	20	20	125	20	VC...1103
Call For Details	SVJCL 2020 K16 U	7005-044094	SVJCR 2020 K16 U	20	20	125	20	VC...1604
7005-148820	SVJCL 3/8" F11 U	7005-148819	SVJCR 3/8" F11 U	9.525	9.525	80	9.525	VC...1103
Call For Details	SVJCL 3/8" H07 U	Call For Details	SVJCR 3/8" H07 U	9.525	9.525	100	9.525	VC...0702
7005-114040	SVJCL 3/8" H11 U	7005-138418	SVJCR 3/8" H11 U	9.525	9.525	100	9.525	VC...1103
Call For Details	SVJCL 1/2" H07 U	Call For Details	SVJCR 1/2" H07 U	12.7	12.7	100	12.7	VC...0702
7005-114041	SVJCL 1/2" H11 U	7005-138420	SVJCR 1/2" H11 U	12.7	12.7	100	12.7	VC...1103
7005-113730	SVJCL 3/4" K11 U	7005-113731	SVJCR 3/4" K11 U	19.05	19.05	125	19.05	VC...1103
7005-114042	SVJCL 3/4" K16 U	7005-138421	SVJCR 3/4" K16 U	19.05	19.05	125	19.05	VC...1604





ISO Coolant-Thru Holder SVJC

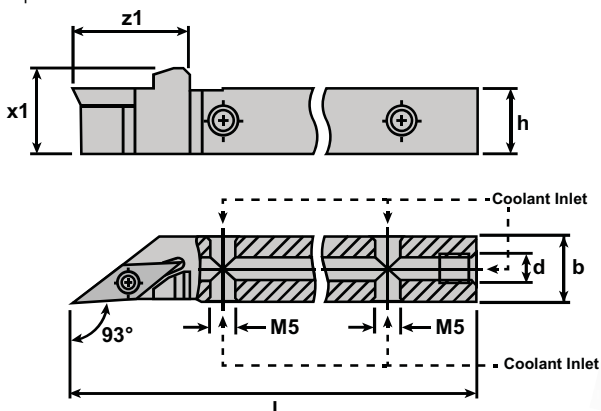
Type: 93°

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features							Coolant Fittings	
Item No.	Description	Item No.	Description	b	h	l	z ₁	x ₁	d	Inserts	Side	Rear
Call For Details	SVJCL 0808 H07 U IC	Call For Details	SVJCR 0808 H07 U IC	8	8	100	11.5	20	M5	VC...0702	4005-000111	4005-000111
Call For Details	SVJCL 0810 H11 U IC	Call For Details	SVJCR 0810 H11 U IC	8	10	100	11.5	21	M5	VC...1103	4005-000111	4005-000111
Call For Details	SVJCL 1010 H07 U IC	Call For Details	SVJCR 1010 H07 U IC	10	10	100	13.5	21	M5	VC...0702	4005-000111	4005-000111
Call For Details	SVJCL 1010 H11 U IC	Call For Details	SVJCR 1010 H11 U IC	10	10	100	13.5	21	M5	VC...1103	4005-000111	4005-000111
Call For Details	SVJCL 1212 H07 U IC	Call For Details	SVJCR 1212 H07 U IC	12	12	100	15.5	20	M5	VC...0702	4005-000111	4005-000111
Call For Details	SVJCL 1212 H11 U IC	Call For Details	SVJCR 1212 H11 U IC	12	12	100	15.5	21	M5	VC...1103	4005-000111	4005-000111
7005-146421A	SVJCL 1616 K11 U IC	7005-146414A	SVJCR 1616 K11 U IC	16	16	125	19.5	21	G1/8"	VC...1103	4005-000111	4005-000104
7005-146422A	SVJCL 1616 K16 U IC	7005-146415A	SVJCR 1616 K16 U IC	16	16	125	19.5	27	G1/8"	VC...1604	4005-000111	4005-000104
Call For Details	SVJCL 2020 K11 U IC	Call For Details	SVJCR 2020 K11 U IC	20	20	125	23.5	21	G1/8"	VC...1103	4005-000111	4005-000104
Call For Details	SVJCL 2020 K16 U IC	Call For Details	SVJCR 2020 K16 U IC	20	20	125	23.5	27	G1/8"	VC...1604	4005-000111	4005-000104
Call For Details	SVJCL 3/8" H07 U IC	Call For Details	SVJCR 3/8" H07 U IC	9.525	9.525	100	13	20	M5	VC...0702	4005-000111	4005-000111
Call For Details	SVJCL 3/8" H11 U IC	7005-146425A	SVJCR 3/8" H11 U IC	9.525	9.525	100	13	21	M5	VC...1103	4005-000111	4005-000111
Call For Details	SVJCL 1/2" H07 U IC	Call For Details	SVJCR 1/2" H07 U IC	12.7	12.7	100	16.2	20	M5	VC...0702	4005-000111	4005-000111
7005-146432A	SVJCL 1/2" H11 U IC	7005-146426A	SVJCR 1/2" H11 U IC	12.7	12.7	100	16.2	21	M5	VC...1103	4005-000111	4005-000111
Call For Details	SVJCL 5/8" K11 U IC	7005-146427A	SVJCR 5/8" K11 U IC	15.875	15.875	125	19.5	21	G1/8"	VC...1103	4005-000111	4005-000104
Call For Details	SVJCL 5/8" K16 U IC	7005-146428A	SVJCR 5/8" K16 U IC	15.875	15.875	125	19.5	27	G1/8"	VC...1604	4005-000111	4005-000104
Call For Details	SVJCL 3/4" K11 U IC	Call For Details	SVJCR 3/4" K11 U IC	19.05	19.05	125	22.6	21	G1/8"	VC...1103	4005-000111	4005-000104
Call For Details	SVJCL 3/4" K16 U IC	7005-146430	SVJCR 3/4" K16 U IC	19.05	19.05	125	22.6	27	G1/8"	VC...1604	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.



4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks

4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
**Fits Position (d) On Tool Holders
Sold Separately.**



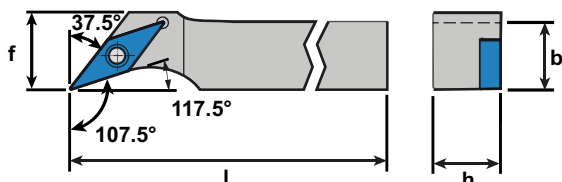
ISO Holder SVHC

Type: 107.5°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
Call For Details	SVHCL 0808 H07 U	Call For Details	SVHCR 0808 H07 U	8	8	100	8	VC...0702
Call For Details	SVHCL 1010 H07 U	Call For Details	SVHCR 1010 H07 U	10	10	100	10	VC...0702
Call For Details	SVHCL 1010 H11 U	Call For Details	SVHCR 1010 H11 U	10	10	100	13	VC...1103
Call For Details	SVHCL 1212 H07 U	Call For Details	SVHCR 1212 H07 U	12	12	100	12	VC...0702
7005-114531	SVHCL 1212 H11 U	7005-114533	SVHCR 1212 H11 U	12	12	100	13	VC...1103
7005-114532	SVHCL 1616 K11 U	7005-114534	SVHCR 1616 K11 U	16	16	125	16	VC...1103
Call For Details	SVHCL 3/8" H07 U	Call For Details	SVHCR 3/8" H07 U	9.525	9.525	100	9.525	VC...0702
Call For Details	SVHCL 3/8" H11 U	Call For Details	SVHCR 3/8" H11 U	9.525	9.525	100	13	VC...1103
Call For Details	SVHCL 1/2" H07 U	Call For Details	SVHCR 1/2" H07 U	12.7	12.7	100	12.7	VC...0702
Call For Details	SVHCL 1/2" H11 U	Call For Details	SVHCR 1/2" H11 U	12.7	12.7	100	13	VC...1103
Call For Details	SVHCL 5/8" K11 U	Call For Details	SVHCR 5/8" K11 U	15.875	15.875	125	16	VC...1103





ISO Coolant-Thru Holder SVHC

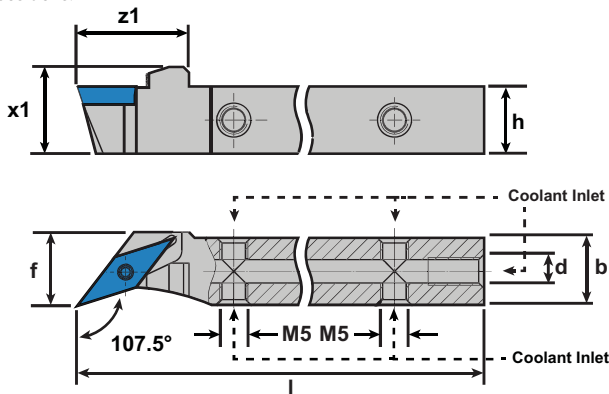
Type: 107.5°

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features								Coolant Fittings	
Item No.	Description	Item No.	Description	b	h	l	z ₁	x ₁	d	f	Inserts	Side	Rear
Call For Details	SVHCL 0808 H07 U IC	Call For Details	SVHCR 0808 H07 U IC	8	8	100	18	11.5	M5	8	VC...0702	4005-000111	4005-000111
Call For Details	SVHCL 1010 H07 U IC	Call For Details	SVHCR 1010 H07 U IC	10	10	100	18	13.5	M5	10	VC...0702	4005-000111	4005-000111
Call For Details	SVHCL 1212 H07 U IC	Call For Details	SVHCR 1212 H07 U IC	12	12	100	18	15.5	M5	12	VC...0702	4005-000111	4005-000111
Call For Details	SVHCL 1212 H11 U IC	Call For Details	SVHCR 1212 H11 U IC	12	12	100	22	15.5	M5	13	VC...1103	4005-000111	4005-000111
Call For Details	SVHCL 1616 K11 U IC	Call For Details	SVHCR 1616 K11 U IC	16	16	125	22	19.5	G1/8"	16	VC...1103	4005-000111	4005-000104
Call For Details	SVHCL 3/8" H07 U IC	Call For Details	SVHCR 3/8" H07 U IC	9.525	9.525	100	18	13	M5	9.525	VC...0702	4005-000111	4005-000111
Call For Details	SVHCL 1/2" H07 U IC	Call For Details	SVHCR 1/2" H07 U IC	12.7	12.7	100	18	16.2	M5	12.7	VC...0702	4005-000111	4005-000111
Call For Details	SVHCL 1/2" H11 U IC	Call For Details	SVHCR 1/2" H11 U IC	12.7	12.7	100	22	16.2	M5	12.7	VC...1103	4005-000111	4005-000111
Call For Details	SVHCL 5/8" K11 U IC	Call For Details	SVHCR 5/8" K11 U IC	15.875	15.875	125	22	19.4	G1/8"	15.875	VC...1103	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.



4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks



4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
**Fits Position (d) On Tool Holders
Sold Separately.**



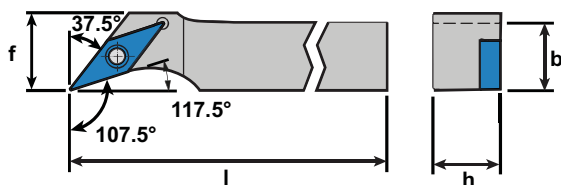
ISO Holder SVOC

Type: 117.5°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
Call For Details	SVOCL 0808 H07 U	Call For Details	SVOCR 0808 H07 U	8	8	100	10	VC...0702
Call For Details	SVOCL 1010 H07 U	Call For Details	SVOCR 1010 H07 U	10	10	100	10	VC...0702
Call For Details	SVOCL 1010 H11 U	Call For Details	SVOCR 1010 H11 U	10	10	100	16	VC...1103
Call For Details	SVOCL 1212 H07 U	Call For Details	SVOCR 1212 H07 U	12	12	100	12	VC...0702
7005-114535	SVOCL 1212 H11 U	7005-114537	SVOCR 1212 H11 U	12	12	100	16	VC...1103
7005-114536	SVOCL 1616 K11 U	7005-114538	SVOCR 1616 K11 U	16	16	125	16	VC...1103
Call For Details	SVOCL 3/8" H07 U	Call For Details	SVOCR 3/8" H07 U	9.525	9.525	100	10	VC...0702
Call For Details	SVOCL 3/8" H11 U	Call For Details	SVOCR 3/8" H11 U	9.525	9.525	100	16	VC...1103
Call For Details	SVOCL 1/2" H07 U	Call For Details	SVOCR 1/2" H07 U	12.7	12.7	100	12.7	VC...0702
Call For Details	SVOCL 1/2" H11 U	Call For Details	SVOCR 1/2" H11 U	12.7	12.7	100	16	VC...1103
Call For Details	SVOCL 5/8" K11 U	Call For Details	SVOCR 5/8" K11 U	15.875	15.875	125	16	VC...1103





ISO Coolant-Thru Holder SVOC

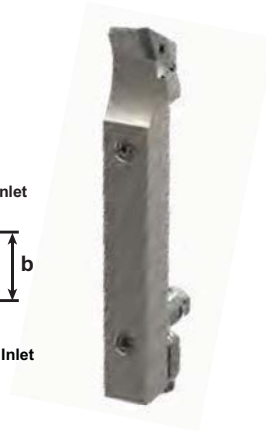
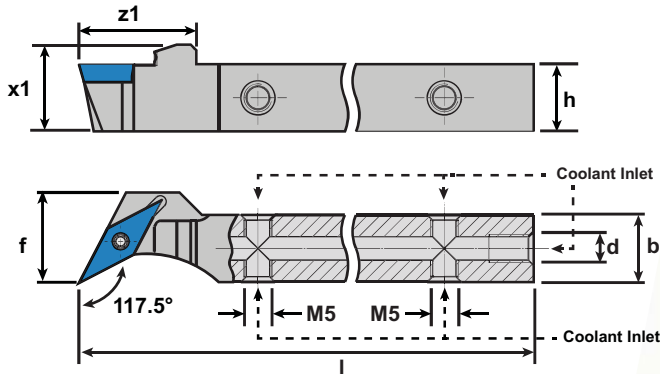
Type: 117.5°

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features								Coolant Fittings	
Item No.	Description	Item No.	Description	b	h	l	z ₁	x ₁	d	f	Inserts	Side	Rear
Call For Details	SVOCL 0808 H07 U IC	Call For Details	SVOCR 0808 H07 U IC	8	8	100	18	11.5	M5	10	VC...0702	4005-000111	4005-000111
Call For Details	SVOCL 1010 H07 U IC	Call For Details	SVOCR 1010 H07 U IC	10	10	100	18	13.5	M5	10	VC...0702	4005-000111	4005-000111
Call For Details	SVOCL 1010 H11 U IC	Call For Details	SVOCR 1010 H11 U IC	10	10	100	22	13.5	M5	16	VC...1103	4005-000111	4005-000111
Call For Details	SVOCL 1212 H07 U IC	Call For Details	SVOCR 1212 H07 U IC	12	12	100	18	15.5	M5	12	VC...0702	4005-000111	4005-000111
Call For Details	SVOCL 1212 H11 U IC	Call For Details	SVOCR 1212 H11 U IC	12	12	100	22	15.5	M5	16	VC...1103	4005-000111	4005-000111
Call For Details	SVOCL 1616 K11 U IC	Call For Details	SVOCR 1616 K11 U IC	16	16	125	22	19.5	G1/8"	16	VC...1103	4005-000111	4005-000104
Call For Details	SVOCL 3/8" H07 U IC	Call For Details	SVOCR 3/8" H07 U IC	9.525	9.525	100	18	13	M5	10	VC...0702	4005-000111	4005-000111
Call For Details	SVOCL 3/8" H11 U IC	Call For Details	SVOCR 3/8" H11 U IC	9.525	9.525	100	22	13	M5	16	VC...1103	4005-000111	4005-000111
Call For Details	SVOCL 1/2" H07 U IC	Call For Details	SVOCR 1/2" H07 U IC	12.7	12.7	100	18	16.2	M5	12.9	VC...0702	4005-000111	4005-000111
Call For Details	SVOCL 1/2" H11 U IC	Call For Details	SVOCR 1/2" H11 U IC	12.7	12.7	100	22	16.2	M5	16	VC...1103	4005-000111	4005-000111
Call For Details	SVOCL 5/8" K11 U IC	Call For Details	SVOCR 5/8" K11 U IC	15.875	15.875	125	22	19.4	G1/8"	15.875	VC...1103	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.



4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks

4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
Fits Position (d) On Tool Holders
Sold Separately.



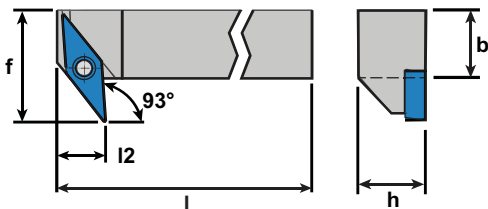
ISO Holder SVQC

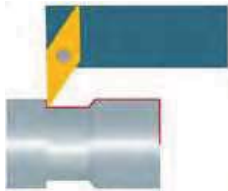
Type: 93°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	b	h	l	l ₂	f	Inserts
Call For Details	SVQCL 0808 H07	Call For Details	SVQCR 0808 H07	8	8	100	6	13.5	VC...0702
Call For Details	SVQCL 1010 H07	Call For Details	SVQCR 1010 H07	10	10	100	6	15.5	VC...0702
Call For Details	SVQCL 1212 H07	Call For Details	SVQCR 1212 H07	12	12	100	6	17.5	VC...0702
7005-043538	SVQCL 1212 H11	7005-043540	SVQCR 1212 H11	12	12	100	8.5	20	VC...1103
7005-043539	SVQCL 1616 K11	7005-043541	SVQCR 1616 K11	16	16	125	8.5	24	VC...1103





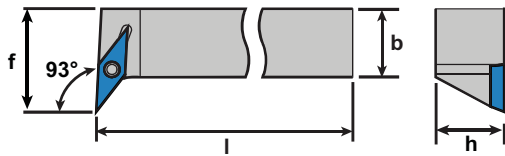
ISO Holder SVUC

Type: 93°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
Call For Details	SVUCL 0808 H07	Call For Details	SVUCR 0808 H07	8	8	100	13.5	VC...0702
Call For Details	SVUCL 1010 H07	Call For Details	SVUCR 1010 H07	10	10	100	15.5	VC...0702
Call For Details	SVUCL 1212 H07	Call For Details	SVUCR 1212 H07	12	12	100	17.5	VC...0702
7005-043542	SVUCL 1212 H11	7005-043544	SVUCR 1212 H11	12	12	100	20	VC...1103
7005-043543	SVUCL 1616 K11	7005-043545	SVUCR 1616 K11	16	16	125	24	VC...1103
Call For Details	SVUCL 2020 K11	Call For Details	SVUCR 2020 K11	20	20	125	28	VC...1103



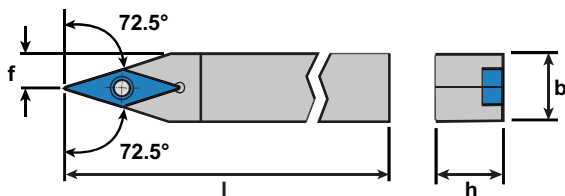
ISO Holder SVVCN

Type: 72.5°

Coolant-Thru: None

Repeatability <20µm

		Dimensions & Features					
Item No.	Description	Hand	b	h	l	f	Inserts
7005-148821	SVVCN 0808 F11 U	Neutral	8	8	80	4	VC...1103
Call For Details	SVVCN 0808 H07 U	Neutral	8	8	100	4	VC...0702
7005-044027	SVVCN 0808 H11 U	Neutral	8	8	100	4	VC...1103
7005-148822	SVVCN 1010 F11 U	Neutral	10	10	80	5	VC...1103
Call For Details	SVVCN 1010 H07 U	Neutral	10	10	100	5	VC...0702
7005-044028	SVVCN 1010 H11 U	Neutral	10	10	100	5	VC...1103
7005-045170	SVVCN 1212 F11 U	Neutral	12	12	100	6	VC...1103
Call For Details	SVVCN 1212 H07 U	Neutral	12	12	100	6	VC...0702
7005-044029	SVVCN 1212 H11 U	Neutral	12	12	100	6	VC...1103
7005-045171	SVVCN 1616 H11 U	Neutral	16	16	125	8	VC...1103
7005-045172	SVVCN 2020 K11 U	Neutral	20	20	125	10	VC...1103
7005-045173	SVVCN 2020 K16 U	Neutral	20	20	125	10	VC...1604
Call For Details	SVVCN 3/8" H07 U	Left	9.525	9.525	100	4.76	VC...0702
Call For Details	SVVCN 3/8" H11 U	Left	9.525	9.525	100	4.76	VC...1103
Call For Details	SVVCN 1/2" H07 U	Left	12.7	12.7	100	6.35	VC...0702
Call For Details	SVVCN 1/2" H11 U	Left	12.7	12.7	100	6.35	VC...1103
Call For Details	SVVCN 5/8" K11 U	Left	15.875	15.875	125	7.93	VC...1103
Call For Details	SVVCN 3/4" K11 U	Left	19.05	19.05	125	9.525	VC...1103
Call For Details	SVVCN 3/4" K16 U	Left	19.05	19.05	125	9.525	VC...1604





ISO Coolant-Thru Holder SVVCN

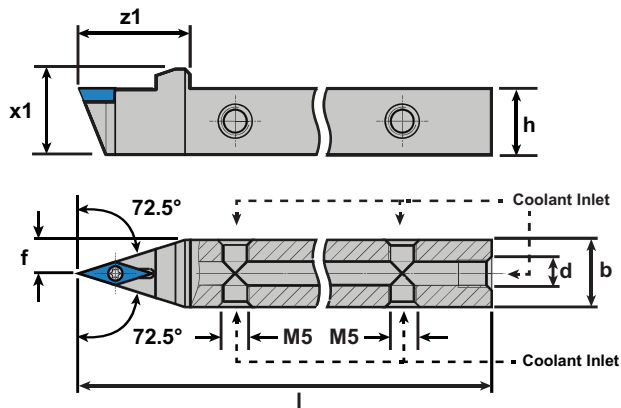
Type: 72.5°

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Dimensions & Features								Coolant Fittings	
Item No.	Description	b	h	l	z ₁	x ₁	d	f	Inserts	Side	Rear
Call For Details	SVVCN 0808 H07 U IC	8	8	100	20	11.5	M5	4	VC...0702	4005-000111	4005-000111
Call For Details	SVVCN 0810 H11 U IC	10	8	100	21	11.5	M5	5	VC...1103	4005-000111	4005-000111
Call For Details	SVVCN 1010 H07 U IC	10	10	100	20	13.5	M5	5	VC...0702	4005-000111	4005-000111
Call For Details	SVVCN 1010 H11 U IC	10	10	100	21	13.5	M5	5	VC...1103	4005-000111	4005-000111
Call For Details	SVVCN 1212 H07 U IC	12	12	100	20	15.5	M5	6	VC...0702	4005-000111	4005-000111
Call For Details	SVVCN 1212 H11 U IC	12	12	100	21	15.5	M5	6	VC...1103	4005-000111	4005-000111
Call For Details	SVVCN 1616 K11 U IC	16	16	125	21	19.5	G1/8"	8	VC...1103	4005-000111	4005-000104
Call For Details	SVVCN 2020 K11 U IC	20	20	125	21	23.5	G1/8"	10	VC...1103	4005-000111	4005-000104
Call For Details	SVVCN 2020 K16 U IC	20	20	125	27	23.5	G1/8"	10	VC...1604	4005-000111	4005-000104
Call For Details	SVVCN 3/8" H07 U IC	9.525	9.525	100	20	13	M5	4.76	VC...0702	4005-000111	4005-000111
Call For Details	SVVCN 3/8" H11 U IC	9.525	9.525	100	20	13	M5	4.76	VC...1103	4005-000111	4005-000111
Call For Details	SVVCN 1/2" H07 U IC	12.7	12.7	100	21	15.4	M5	6.35	VC...0702	4005-000111	4005-000111
Call For Details	SVVCN 1/2" H11 U IC	12.7	12.7	100	21	15.4	M5	6.35	VC...1103	4005-000111	4005-000111
Call For Details	SVVCN 5/8" K11 U IC	15.875	15.875	125	21	18.6	G1/8"	7.94	VC...1103	4005-000111	4005-000104
Call For Details	SVVCN 3/4" K11 U IC	19.05	19.05	125	21	22.6	G1/8"	9.52	VC...1103	4005-000111	4005-000104
Call For Details	SVVCN 3/4" K16 U IC	19.05	19.05	125	27	22.6	G1/8"	9.52	VC...1604	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.

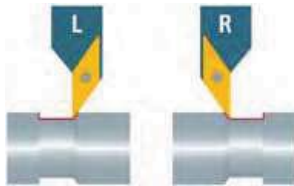


4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks

4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
**Fits Position (d) On Tool Holders
Sold Separately.**



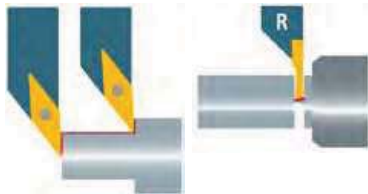
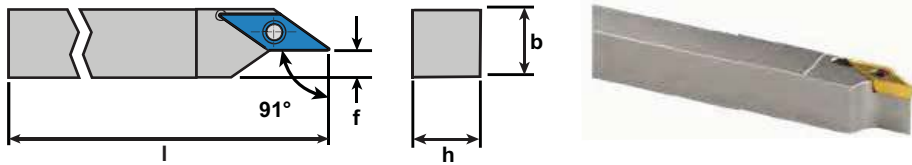
ISO Holder SVXC

Type: 91°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	h	l	f	Inserts
Call For Details	SVXCL 0808 H07 U	Call For Details	SVXCR 0808 H07 U	8	8	100	2.5	VC...0702
7005-148824	SVXCL 1010 F11 U	7005-148823	SVXCR 1010 F11 U	10	10	80	3	VC...1103
Call For Details	SVXCL 1010 H07 U	Call For Details	SVXCR 1010 H07 U	10	10	100	4.5	VC...0702
7005-044049	SVXCL 1010 H11 U	7005-044050	SVXCR 1010 H11 U	10	10	100	3	VC...1103
Call For Details	SVXCL 1212 H07 U	Call For Details	SVXCR 1212 H07 U	12	12	100	6.5	VC...0702
7005-044051	SVXCL 1212 H11 U	7005-044052	SVXCR 1212 H11 U	12	12	100	5	VC...1103
7005-043075	SVXCL 1616 K11 U	7005-043076	SVXCR 1616 K11 U	16	16	125	9	VC...1103
7005-044055	SVXCL 2020 K16 U	7005-044056	SVXCR 2020 K16 U	20	20	125	9	VC...1604
Call For Details	SVXCL 3/8" F11 U	Call For Details	SVXCR 3/8" F11 U	9.525	9.525	80	2	VC...1103
Call For Details	SVXCL 3/8" H07 U	Call For Details	SVXCR 3/8" H07 U	9.525	9.525	100	4	VC...0702
Call For Details	SVXCL 3/8" H11 U	Call For Details	SVXCR 3/8" H11 U	9.525	9.525	100	2	VC...1103
Call For Details	SVXCL 1/2" H07 U	Call For Details	SVXCR 1/2" H07 U	12.7	12.7	100	7.2	VC...0702
Call For Details	SVXCL 1/2" H11 U	7005-153734	SVXCR 1/2" H11 U	12.7	12.7	100	5	VC...1103
Call For Details	SVXCL 5/8" K11 U	Call For Details	SVXCR 5/8" K11 U	15.875	15.875	125	8	VC...1103
Call For Details	SVXCL 3/4" K16 U	Call For Details	SVXCR 3/4" K16 U	19.05	19.05	125	8	VC...1604



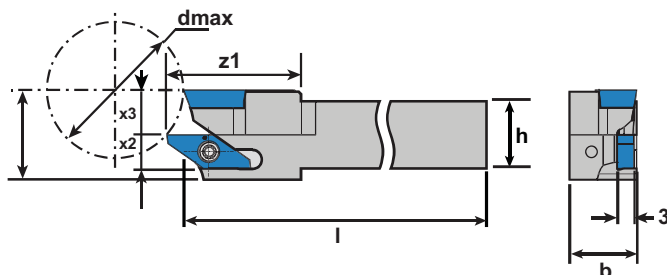
TWIN Insert Holder SVJC

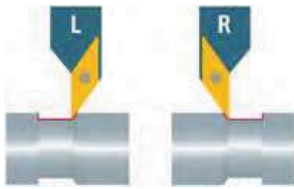
Type: 93° ISO / 1600 Series Inserts

Coolant-Thru: None

Repeatability <20µm

Right Hand		Dimensions & Features								
Item No.	Description	b	h	l	z ₁	x ₁	x ₂	x ₃	d _{max}	Inserts
Call For Details	SVJCR/1600R-0810 H07 Twin	10	8	100	24	16	4	8	24	VC...0702
Call For Details	SVJCR/1600R-1010 H07 Twin	10	10	100	24	16	5	8	24	VC...0702
Call For Details	SVJCR/1600R-1212 H07 Twin	12	12	100	24	16	6	8	24	VC...0702
Call For Details	SVJCR/1600R-0810 H11 Twin	10	8	100	24	16	4	8	24	VC...1103
Call For Details	SVJCR/1600R-1010 H11 Twin	10	10	100	24	16	5	8	24	VC...1103
Call For Details	SVJCR/1600R-1212 H11 Twin	12	12	100	24	16	6	8	24	VC...1103
Call For Details	SVJCR/1600R-1616 K11 Twin	16	16	125	24	23	8	10	36	VC...1103
Call For Details	SVJCR/1600R-2020 K11 Twin	20	20	125	24	27	8	14	68	VC...1103
Call For Details	SVJCR/1600R-3/8" H07 Twin	9.525	9.525	100	24	16	4.76	8	24	VC...0702
Call For Details	SVJCR/1600R-1/2" H07 Twin	12.7	12.7	100	24	16	6.35	8	24	VC...0702
Call For Details	SVJCR/1600R-3/8" H11 Twin	9.525	9.525	100	24	16	4.76	8	24	VC...1103
Call For Details	SVJCR/1600R-1/2" H11 Twin	12.7	12.7	100	24	16	6.35	8	24	VC...1103
Call For Details	SVJCR/1600R-5/8" K11 Twin	15.875	15.875	125	24	23	7.94	10	36	VC...1103
Call For Details	SVJCR/1600R-3/4" K11 Twin	19.05	19.05	125	24	27	7.53	14	68	VC...1103





ISO Coolant-Thru Holder SVXC

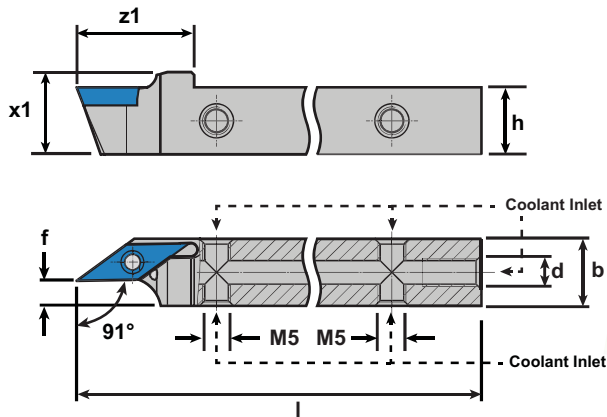
Type: 91°

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features								Coolant Fittings	
Item No.	Description	Item No.	Description	b	h	l	z ₁	x ₁	d	f	Inserts	Side	Rear
Call For Details	SVXCL 0808 H07 U IC	Call For Details	SVXCR 0808 H07 U IC	8	8	100	18	11.5	M5	2.5	VC...0702	4005-000111	4005-000111
Call For Details	SVXCL 1010 F11 U IC	Call For Details	SVXCR 1010 F11 U IC	10	10	80	21	12.7	M5	3	VC...1103	4005-000111	4005-000111
Call For Details	SVXCL 1010 H07 U IC	Call For Details	SVXCR 1010 H07 U IC	10	10	100	18	13.5	M5	4.5	VC...0702	4005-000111	4005-000111
Call For Details	SVXCL 1010 H11 U IC	Call For Details	SVXCR 1010 H11 U IC	10	10	100	21	12.7	M5	3	VC...1103	4005-000111	4005-000111
Call For Details	SVXCL 1212 H07 U IC	Call For Details	SVXCR 1212 H07 U IC	12	12	100	18	15.5	M5	6.5	VC...0702	4005-000111	4005-000111
Call For Details	SVXCL 1212 H11 U IC	Call For Details	SVXCR 1212 H11 U IC	12	12	100	21	14.7	M5	5	VC...1103	4005-000111	4005-000111
7005-150765A	SVXCL 1616 K11 U IC	Call For Details	SVXCR 1616 K11 U IC	16	16	125	21	18.7	G1/8"	9	VC...1103	4005-000111	4005-000104
Call For Details	SVXCL 2020 K16 U IC	Call For Details	SVXCR 2020 K16 U IC	20	20	125	27	22	G1/8"	9	VC...1604	4005-000111	4005-000104
Call For Details	SVXCL 3/8" F11 U IC	Call For Details	SVXCR 3/8" F11 U IC	9.525	9.525	80	21	12.2	M5	2	VC...1103	4005-000111	4005-000111
Call For Details	SVXCL 3/8" H07 U IC	Call For Details	SVXCR 3/8" H07 U IC	9.525	9.525	100	18	13	M5	4.02	VC...0702	4005-000111	4005-000111
Call For Details	SVXCL 3/8" H11 U IC	Call For Details	SVXCR 3/8" H11 U IC	9.525	9.525	100	21	12.2	M5	2	VC...1103	4005-000111	4005-000111
Call For Details	SVXCL 1/2" H07 U IC	Call For Details	SVXCR 1/2" H07 U IC	12.7	12.7	100	18	16.2	M5	7.19	VC...0702	4005-000111	4005-000111
Call For Details	SVXCL 1/2" H11 U IC	Call For Details	SVXCR 1/2" H11 U IC	12.7	12.7	100	21	15.4	M5	5	VC...1103	4005-000111	4005-000111
Call For Details	SVXCL 5/8" K11 U IC	Call For Details	SVXCR 5/8" K11 U IC	15.875	15.875	125	21	18.6	G1/8"	8	VC...1103	4005-000111	4005-000104
Call For Details	SVXCL 3/4" K16 U IC	Call For Details	SVXCR 3/4" K16 U IC	19.05	19.05	125	27	22	G1/8"	8	VC...1604	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.



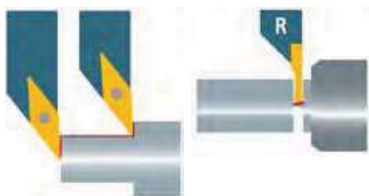
4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks



4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
Fits Position (d) On Tool Holders
Sold Separately.



TWIN Insert Coolant-Thru Holder SVJC

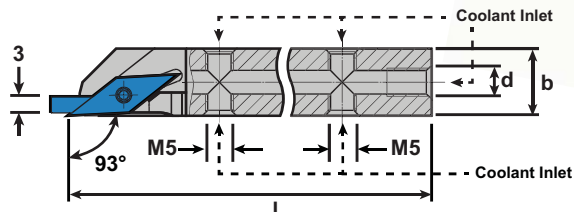
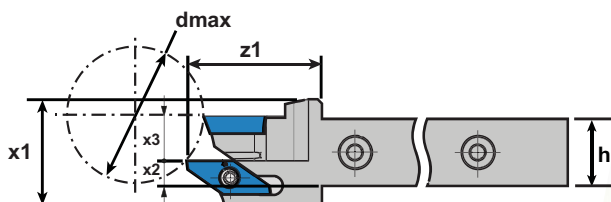
Type: 93° ISO / 1600 Series Inserts

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Right Hand		Dimensions & Features										Coolant Fittings	
Item No.	Description	b	h	l	z ₁	x ₁	x ₂	x ₃	d	d _{max}	Inserts	Side	Rear
Call For Details	SVJCR/1600R-0810 H07 Twin IC	10	8	100	24	16	4	8	M5	24	VC...0702	4005-000111	4005-000111
Call For Details	SVJCR/1600R-1010 H07 Twin IC	10	10	100	24	16	5	8	M5	24	VC...0702	4005-000111	4005-000111
Call For Details	SVJCR/1600R-1212 H07 Twin IC	12	12	100	24	16	6	8	M5	24	VC...0702	4005-000111	4005-000111
Call For Details	SVJCR/1600R-0810 H11 Twin IC	10	8	100	24	16	4	8	M5	24	VC...1103	4005-000111	4005-000111
Call For Details	SVJCR/1600R-1010 H11 Twin IC	10	10	100	24	16	5	8	M5	24	VC...1103	4005-000111	4005-000111
Call For Details	SVJCR/1600R-1212 H11 Twin IC	12	12	100	24	16	6	8	M5	24	VC...1103	4005-000111	4005-000111
Call For Details	SVJCR/1600R-1616 K11 Twin IC	16	16	125	24	20	8	10	G1/8"	36	VC...1103	4005-000111	4005-000104
Call For Details	SVJCR/1600R-2020 K11 Twin IC	20	20	125	24	24	8	14	G1/8"	68	VC...1103	4005-000111	4005-000104
Call For Details	SVJCR/1600R-3/8" H07 Twin IC	9.525	9.525	100	24	16	4.76	8	M5	24	VC...0702	4005-000111	4005-000111
Call For Details	SVJCR/1600R-1/2" H07 Twin IC	12.7	12.7	100	24	16	6.35	8	M5	24	VC...0702	4005-000111	4005-000111
Call For Details	SVJCR/1600R-3/8" H07 Twin IC	9.525	9.525	100	24	16	4.76	8	M5	24	VC...0702	4005-000111	4005-000111
Call For Details	SVJCR/1600R-1/2" H07 Twin IC	12.7	12.7	100	24	16	6.35	8	M5	24	VC...0702	4005-000111	4005-000111
Call For Details	SVJCR/1600R-5/8" K11 Twin IC	15.875	15.875	125	24	20	7.94	10	G1/8"	36	VC...1103	4005-000111	4005-000104
Call For Details	SVJCR/1600R-3/4" K11 Twin IC	19.05	19.05	125	24	24	7.53	14	G1/8"	68	VC...1103	4005-000111	4005-000104

Features (5) connection ports for simple connection to your oil delivery system. (4) Side ports and (1) one end port making connection possible on most machine tool positions.



4005-000111

Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks

4005-000104

Connects to end port on 5/8" and larger shanks
0° Male Union - 1/8 BSPP to 1/4 JIC Flare Fitting
**Fits Position (d) On Tool Holders
Sold Separately.**

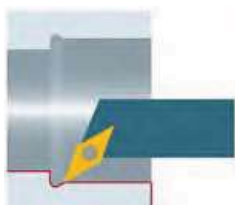
multidec® SHORT

multidec® SHORT coolant-thru holders enable the use of multidec® turning inserts on commonly available quick change tooling systems. **multidec® 1600, 3000, ISO VC, & ISO VP** series inserts are currently available.

**See Pg. 237
For Full Details**



3000 Series Insert Shown



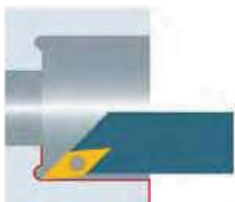
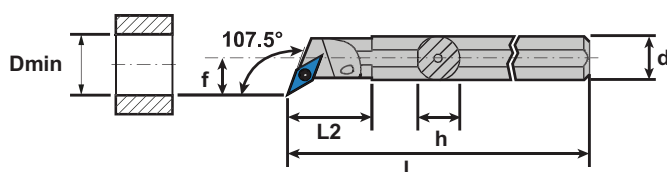
ISO Round Shank Holder SVQC

Type: 107.5°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features						
Item No.	Description	Item No.	Description	d	h	l	l_2	f	d_{min}	Inserts
Call For Details	A10 H SVQCL 07	Call For Details	A10 H SVQCR 07	10	9.5	100	23	8	16	VC...0702
Call For Details	A12 K SVQCL 07	Call For Details	A12 K SVQCR 07	12	11.5	125	25	9	17	VC...0702
Call For Details	A16 M SVQCL 07	Call For Details	A16 M SVQCR 07	16	15	150	29	11	20	VC...0702
7005-045274	A16 M SVQCL 11	7005-045275	A16 M SVQCR 11	16	15	150	29	11	20	VC...1103
7005-045276	A20 Q SVQCL 11	7005-045277	A20 Q SVQCR 11	20	18.5	180	32	13	25	VC...1103



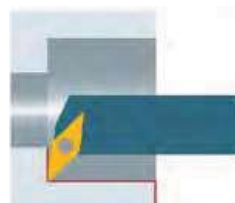
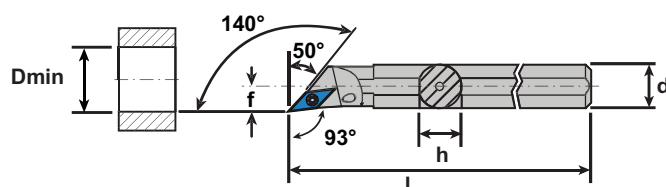
ISO Round Shank Holder SVOC

Type: 140°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	d	h	l	f	d _{min}	Inserts
Call For Details	A10 H SVOCL 07	Call For Details	A10 H SVOCR 07	10	9.5	100	6	16	VC...0702
Call For Details	A12 K SVOCL 07	Call For Details	A12 K SVOCR 07	12	11.5	125	7	17	VC...0702
7005-114037	A12 K SVOCL 11	7005-044340	A12 K SVOCR 11	12	11.5	125	7	17	VC...1103
Call For Details	A16 M SVOCL 07	Call For Details	A16 M SVOCR 07	16	15.5	150	9	20	VC...0702
7005-114038	A16 M SVOCL 11	7005-044347	A16 M SVOCR 11	16	15.5	150	9	20	VC...1103



ISO Round Shank Holder SVUC

Type: 93°

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features						
Item No.	Description	Item No.	Description	d	h	l	l_2	f	d_{min}	Inserts
Call For Details	A10 K SVUCL 07	Call For Details	A10 K SVUCR 07	10	9.5	100	23	8	16	VC...0702
Call For Details	A12 K SVUCL 07	Call For Details	A12 K SVUCR 07	12	11.5	125	25	9	17	VC...0702
Call For Details	A16 M SVUCL 07	Call For Details	A16 M SVUCR 07	16	15.5	150	29	11	20	VC...0702
7005-045280	A16 M SVUCL 11	7005-045281	A16 M SVUCR 11	16	15	150	29	11	20	VC...1103
7005-045282	A20 Q SVUCL 11	7005-045283	A20 Q SVUCR 11	20	18.5	180	32	13	25	VC...1103

