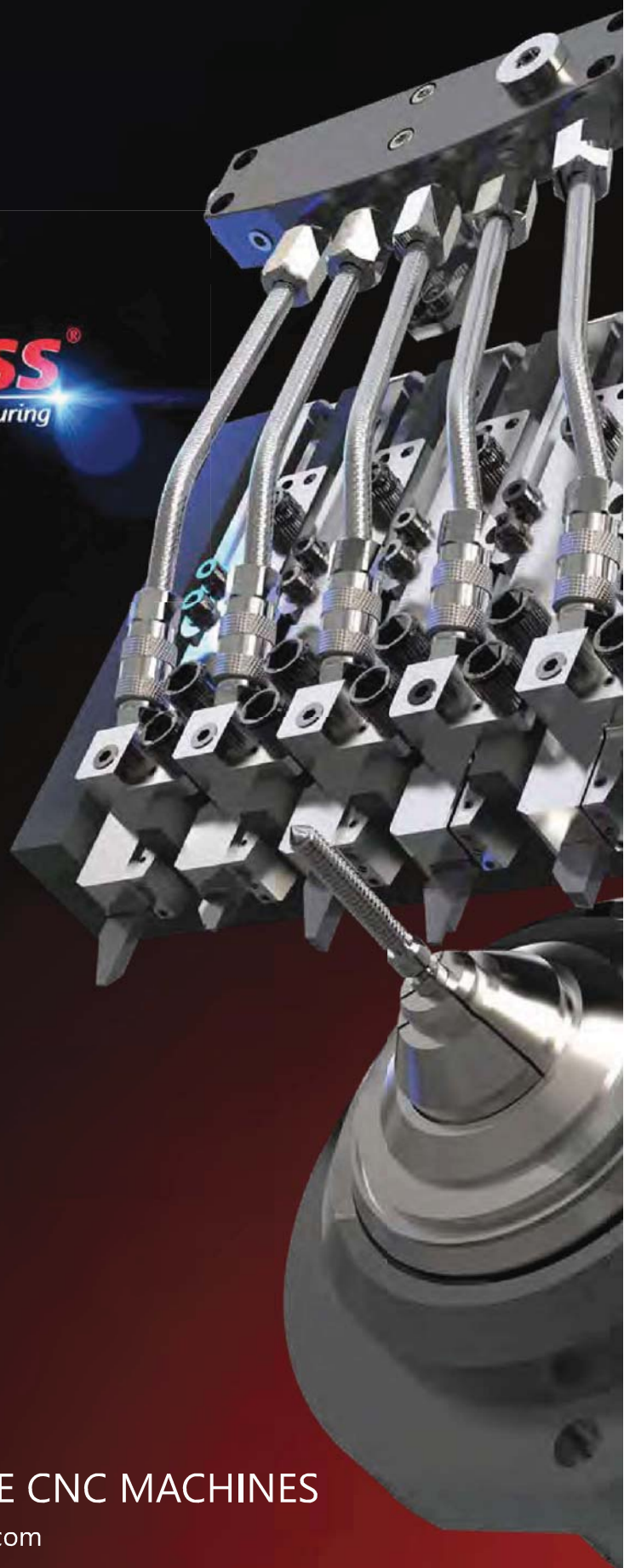




2019 Catalog

Version 10.19



TOOLING FOR SWISS-TYPE CNC MACHINES

www.genswiss.com

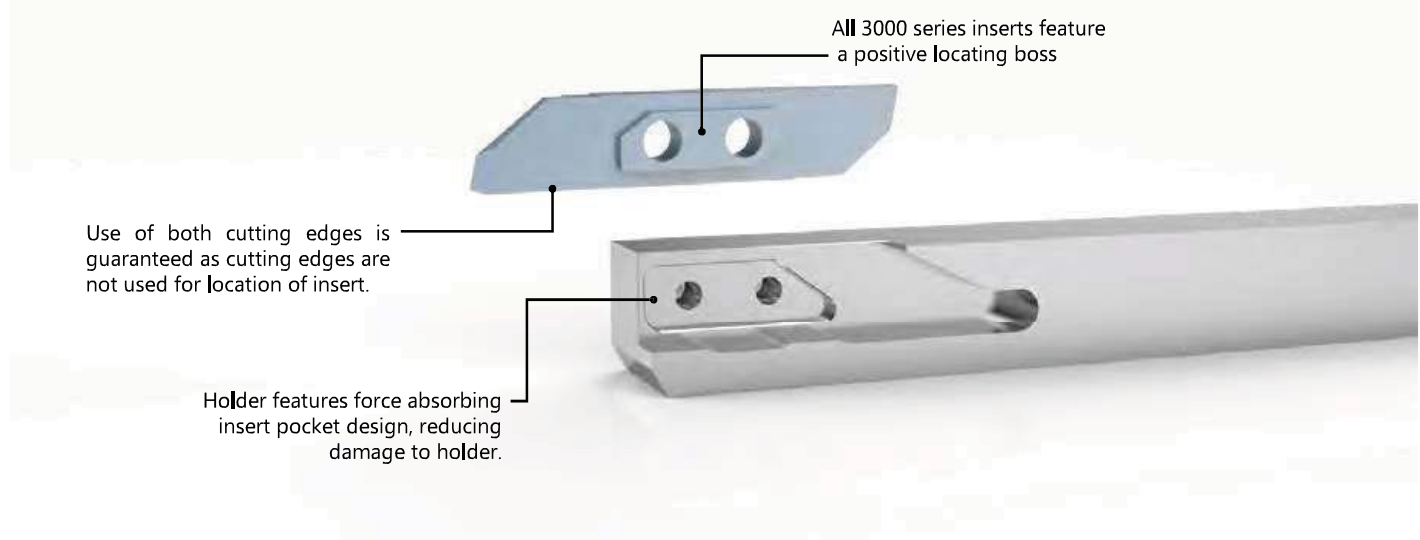


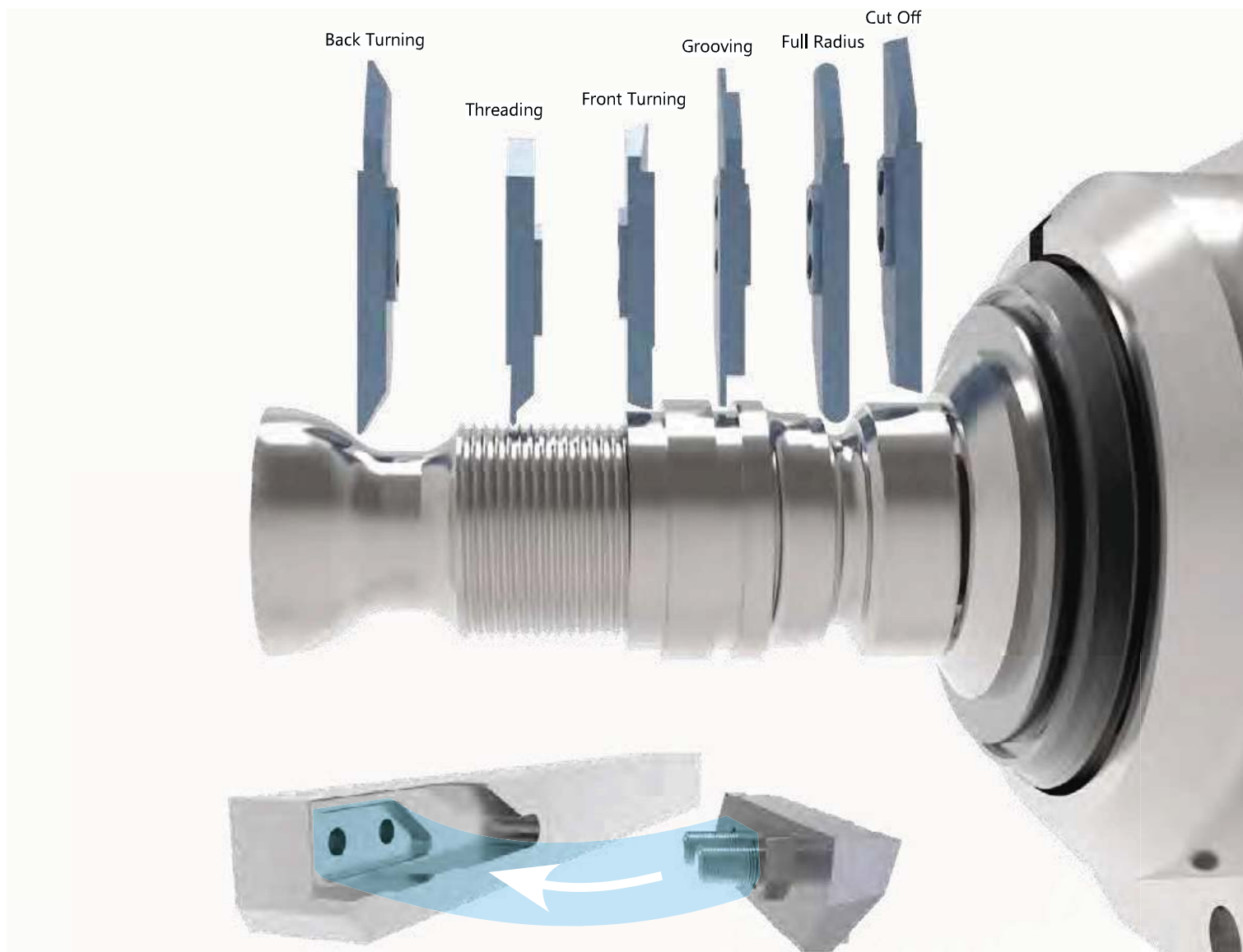
multidec®-Cut 3000 Series

Swiss Made UTILIS World Class tools deliver proven production performance and extended tool life. All 3000 series inserts feature a wide variety of chip breaker geometries and will fit the same holder, reducing tooling costs. The unique insert holding design absorbs machining forces providing one of the most rigid Swiss-turning systems available to the industry today.

- For all turning application processes
- Repeatable within .0004"
- All insert styles fit the same holder
- Holder design absorbs cutting forces
- Ideal for tough applications

Series	Operation
3002 Series	Part Cut Off
3003 Series	Front Turning
3004 Series	Back Turning
3005 Series	Groove & Turning
3006 Series	Threading
3007 Series	Full Radius Grooving
3012 Series	Chamfering





Properties & Application Range of Coatings

Carbide	Uncoated	Standard Coatings				Special Coatings (on request)						
UTILIS-Code		SX	MZ	HX	HPX	HX-A/ HX-A+	TX	HLX	BX	DX-T	DX- HC	DX/DX+
Coating	-	TiN	TiN/ TiAlN	TiAlN/ AlTiN	TiAlN/ AlTiN	AlCrN	AlCrN	TiAlN WC/C	TiCN	DLC	Ta-C	Diamond
Coating Process	-	PVD	CVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	CVD

Materials (Category)												
Steel Non-Alloyed	(I)	■	■	■	■	■	■	□	-	■	-	-
Steel Low-Alloyed	(II)	□	■	■	■	■	■	□	-	■	-	-
Steel High-Alloyed	(III)	□	□	■	■	■	■	□	-	□	-	-
Titanium	(IV)	□	-	-	■	□	■	■	■	-	-	-
Stainless Steel	>60 HRC (V)	□	□	■	■	■	■	□	■	■	-	-
Stainless Steel	(VI)	□	□	■	■	■	■	□	■	□	-	-
Aluminum	(VII)	■	□	-	■	-	□	-	■	-	■	■
Brass	(VIII)	■	□	-	■	□	□	-	■	-	■	-
Synthetics Reinforced/Composits	(IX)	-	-	-	□	-	-	-	-	□	■	■
Hard Materials		-	-	-	-	-	□	■	-	-	-	-

- Preferred Application
 □ Possible Application
 - Application Not Recommended

Series Operation	Designation	Description	Finish & Material Type		
			Roughing	Finishing	Micro Finishing
3002 Series Cut Off	...02	Without chip breaker	□	■	■ Steel
			□	■	■ Stainless Steel
			□	■	■ Titanium & Ti-Alloys
			■	-	- Non Ferrous Metals
	...02 GS	With chip breaker	■	□	- Steel
			■	□	- Stainless Steel
			■	□	- Titanium & Ti-Alloys
			□	□	- Non Ferrous Metals
	...02 SC	With chip breaker	■	■	■ Steel
			■	■	■ Stainless Steel
			■	■	■ Titanium & Ti-Alloys
			■	□	- Non Ferrous Metals
	...02 SPT	With chip breaker for soft materials	-	-	- Steel
			□	■	■ Stainless Steel
			□	■	■ Titanium & Ti-Alloys
			■	■	■ Non Ferrous Metals
3003 Series Front Turning	...03	Without chip breaker	■	■	■ Steel
			■	■	■ Stainless Steel
			□	■	■ Titanium & Ti-Alloys
			■	-	- Non Ferrous Metals
	...03 SP	With chip breaker	□	■	■ Steel
			□	■	■ Stainless Steel
			□	■	■ Titanium & Ti-Alloys
			■	■	■ Non Ferrous Metals
	...03 CP TOP	With chip breaker & "TOP" Wiper	□	■	■ Steel
			□	■	■ Stainless Steel
			□	■	■ Titanium & Ti-Alloys
			■	■	■ Non Ferrous Metals
3004 Series Back Turning	...04	Without chip breaker	■	■	■ Steel
			■	■	□ Stainless Steel
			□	■	□ Titanium & Ti-Alloys
			■	-	- Non Ferrous Metals
	...04 CP	With chip breaker	□	■	■ Steel
			□	■	■ Stainless Steel
			□	■	■ Titanium & Ti-Alloys
			■	■	■ Non Ferrous Metals
	...04 SP	Copy turning with chip breaker	□	■	■ Steel
			□	■	■ Stainless Steel
			□	■	■ Titanium & Ti-Alloys
			■	■	■ Non Ferrous Metals
	...04 TOP	With "TOP" Wiper	□	■	■ Steel
			□	■	■ Stainless Steel
			□	■	■ Titanium & Ti-Alloys
			■	■	■ Non Ferrous Metals
	...04 SP TOP	With chip breaker & "TOP" Wiper	□	■	■ Steel
			□	■	■ Stainless Steel
			□	■	■ Titanium & Ti-Alloys
			■	■	■ Non Ferrous Metals
3005 Series Groove & Turning	...05	Without chip breaker	■	■	■ Steel
			■	■	■ Stainless Steel
			□	■	□ Titanium & Ti-Alloys
			■	□	- Non Ferrous Metals
	...05 CP	With chip breaker	□	■	■ Steel
			□	■	■ Stainless Steel
			□	■	■ Titanium & Ti-Alloys
			■	■	■ Non Ferrous Metals
3006 Series Threading	...06	Partial Profile	-	-	■ Steel
			-	-	■ Stainless Steel
			-	-	■ Titanium & Ti-Alloys
			-	□	■ Non Ferrous Metals
	...06 VP	Full Profile	-	-	■ Steel
			-	-	■ Stainless Steel
			-	-	■ Titanium & Ti-Alloys
			-	□	■ Non Ferrous Metals
3007 Series Full Radius Grooving	...07	Radius Grooving	-	■	■ Steel
			-	■	■ Stainless Steel
			-	■	■ Titanium & Ti-Alloys
			-	■	■ Non Ferrous Metals

Insert Geometry & Chip Breakers

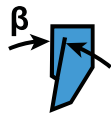


Type-GS Chip Breaker - Cut-Off Inserts

The CUT3000 type-GS chip breaker is an evolution of Swiss-type cut off tooling. By using a new carbide forming technology, these inserts require less grinding to be produced while offering a decrease in overall cost of use. 'Type GS EN' grade offers supreme performance in carbon steels while the Type GS FN grade offers excellent performance in Stainless and Titanium applications.

Type-SPT Chip Breaker - Cut-Off Inserts

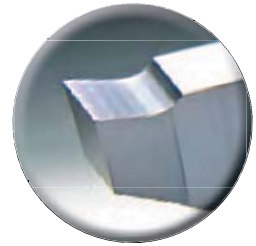
The multidec® CUT3002 cut off inserts with type-SPT chip breaker feature a positive rake intended for use in soft and stringy materials. The SPT chip breaker comes in three different angles described by the product number suffix below.



SPT: 20° rake - Plastics Such As Delrin

SPT06: 6° rake - Good For Stainless

SPT12: 12° rake - Aluminum

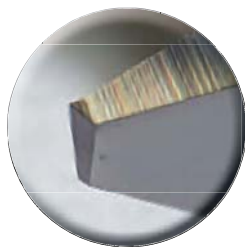
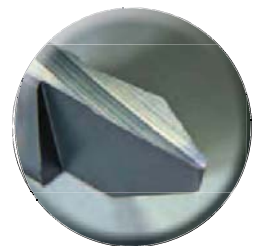


Type-SC Chip Breaker - Cut-Off Inserts

Cut-off inserts armed with the type-SC chip breaker are ideal for hard materials. This chip breaker is quite universal, used in roughing, finishing, and micro finishing.

Type-SP Chip Breaker - Front & Back Turning Inserts

Front and back turning inserts with the type-SP chip breaker are ideal for finishing and micro finishing on materials such as aluminum, breaking up chips and preventing stringy chips from forming.



Type-CP Chip Breaker - Front & Back Turning, Grooving Inserts

When creating deep features during front turning, back turning, or grooving, the type-CP chip breaker is vital for chip removal. The sharp articulated geometry will peel chips away and keep features clear of material during finishing and micro finishing operations.



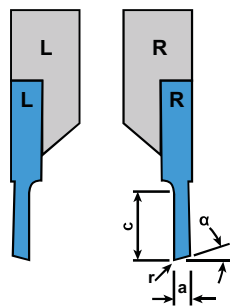
3002 Cut-Off

Cut: Standard

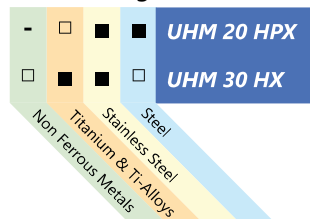
Chip Breaker: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	a	c	α	r	Coating
7005-148003	3002-0.8-6 L UHM20 HPX	7005-148001	3002-0.8-6 R UHM20 HPX	.8	6	15°	0	UHM 20 HPX
7005-126617	3002-0.8-6 L UHM30 HX	7005-126614	3002-0.8-6 R UHM30 HX	.8	6	15°	0	UHM 30 HX
7005-148007	3002-0.8-10 L UHM20 HPX	7005-148005	3002-0.8-10 R UHM20 HPX	.8	10	15°	0	UHM 20 HPX
7005-113225	3002-0.8-10 L UHM30 HX	7005-113223	3002-0.8-10 R UHM30 HX	.8	10	15°	0	UHM 30 HX
7005-148011	3002-1.0-6 L UHM20 HPX	7005-148009	3002-1.0-6 R UHM20 HPX	1	6	15°	0	UHM 20 HPX
7005-126622	3002-1.0-6 L UHM30 HX	7005-126619	3002-1.0-6 R UHM30 HX	1	6	15°	0	UHM 30 HX
7005-148015	3002-1.0-13 L UHM20 HPX	7005-148013	3002-1.0-13 R UHM20 HPX	1	13	15°	0	UHM 20 HPX
7005-113229	3002-1.0-13 L UHM30 HX	7005-113227	3002-1.0-13 R UHM30 HX	1	13	15°	0	UHM 30 HX
7005-148019	3002-1.2-6 L UHM20 HPX	7005-148017	3002-1.2-6 R UHM20 HPX	1.2	6	15°	0	UHM 20 HPX
7005-126625	3002-1.2-6 L UHM30 HX	7005-125907	3002-1.2-6 R UHM30 HX	1.2	6	15°	0	UHM 30 HX
7005-148021	3002-1.5-8 L UHM20 HPX	7005-147446	3002-1.5-8 R UHM20 HPX	1.5	8	15°	0	UHM 20 HPX
7005-126628	3002-1.5-8 L UHM30 HX	7005-125910	3002-1.5-8 R UHM30 HX	1.5	8	15°	0	UHM 30 HX
7005-148025	3002-1.5-16 L UHM20 HPX	7005-148023	3002-1.5-16 R UHM20 HPX	1.5	16	15°	0	UHM 20 HPX
7005-113233	3002-1.5-16 L UHM30 HX	7005-113231	3002-1.5-16 R UHM30 HX	1.5	16	15°	0	UHM 30 HX
7005-153028	3002-1.8-8 L UHM20 HPX	7005-153026	3002-1.8-8 R UHM20 HPX	1.8	8	15°	0	UHM 20 HPX
7005-126633	3002-1.8-8 L UHM30 HX	7005-126630	3002-1.8-8 R UHM30 HX	1.8	8	15°	0	UHM 30 HX
7005-148027	3002-2.0-10 L UHM20 HPX	7005-147059	3002-2.0-10 R UHM20 HPX	2	10	15°	0	UHM 20 HPX
7005-126636	3002-2.0-10 L UHM30 HX	7005-125912	3002-2.0-10 R UHM30 HX	2	10	15°	0	UHM 30 HX
7005-148031	3002-2.0-16 L UHM20 HPX	7005-148029	3002-2.0-16 R UHM20 HPX	2	16	15°	0	UHM 20 HPX
7005-113235	3002-2.0-16 L UHM30 HX	7005-127288	3002-2.0-16 R UHM30 HX	2	16	15°	0	UHM 30 HX
7005-148035	3002-2.5-13 L UHM20 HPX	7005-148033	3002-2.5-13 R UHM20 HPX	2.5	13	15°	0	UHM 20 HPX
7005-137667	3002-2.5-13 L UHM30 HX	7005-137664	3002-2.5-13 R UHM30 HX	2.5	13	15°	0	UHM 30 HX
7005-148039	3002-2.5-16 L UHM20 HPX	7005-148037	3002-2.5-16 R UHM20 HPX	2.5	16	15°	0	UHM 20 HPX
7005-113239	3002-2.5-16 L UHM30 HX	7005-113237	3002-2.5-16 R UHM30 HX	2.5	16	15°	0	UHM 30 HX
7005-148043	3002-3.0-16 L UHM20 HPX	7005-148041	3002-3.0-16 R UHM20 HPX	3	16	15°	0	UHM 20 HPX
7005-137670	3002-3.0-16 L UHM30 HX	7005-137002	3002-3.0-16 R UHM30 HX	3	16	15°	0	UHM 30 HX



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



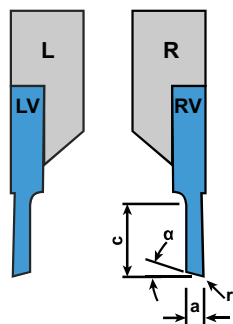
3002 Cut-Off

Cut: Inverted

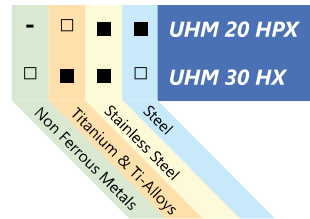
Chip Breaker: None

Repeatability <20μm

Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	α	r	Coating	
7005-148047	3002-0.8-6 LV UHM20 HPX	7005-148045	3002-0.8-6 RV UHM20 HPX	.8	6	15°	0	UHM 20 HPX	
7005-126648	3002-0.8-6 LV UHM30 HX	7005-126645	3002-0.8-6 RV UHM30 HX	.8	6	15°	0	UHM 30 HX	
7005-148051	3002-0.8-10 LV UHM20 HPX	7005-148049	3002-0.8-10 RV UHM20 HPX	.8	10	15°	0	UHM 20 HPX	
7005-113243	3002-0.8-10 LV UHM30 HX	7005-113241	3002-0.8-10 RV UHM30 HX	.8	10	15°	0	UHM 30 HX	
7005-148055	3002-1.0-6 LV UHM20 HPX	7005-148053	3002-1.0-6 RV UHM20 HPX	1	6	15°	0	UHM 20 HPX	
7005-126654	3002-1.0-6 LV UHM30 HX	7005-126651	3002-1.0-6 RV UHM30 HX	1	6	15°	0	UHM 30 HX	
7005-148059	3002-1.0-13 LV UHM20 HPX	7005-148057	3002-1.0-13 RV UHM20 HPX	1	13	15°	0	UHM 20 HPX	
7005-113247	3002-1.0-13 LV UHM30 HX	7005-113245	3002-1.0-13 RV UHM30 HX	1	13	15°	0	UHM 30 HX	
7005-148063	3002-1.2-6 LV UHM20 HPX	7005-148061	3002-1.2-6 RV UHM20 HPX	1.2	6	15°	0	UHM 20 HPX	
7005-126657	3002-1.2-6 LV UHM30 HX	7005-126074	3002-1.2-6 RV UHM30 HX	1.2	6	15°	0	UHM 30 HX	
7005-147444	3002-1.5-8 LV UHM20 HPX	7005-148065	3002-1.5-8 RV UHM20 HPX	1.5	8	15°	0	UHM 20 HPX	
7005-126660	3002-1.5-8 LV UHM30 HX	7005-126077	3002-1.5-8 RV UHM30 HX	1.5	8	15°	0	UHM 30 HX	
7005-148069	3002-1.5-16 LV UHM20 HPX	7005-148067	3002-1.5-16 RV UHM20 HPX	1.5	16	15°	0	UHM 20 HPX	
7005-113251	3002-1.5-16 LV UHM30 HX	7005-113249	3002-1.5-16 RV UHM30 HX	1.5	16	15°	0	UHM 30 HX	
7005-148073	3002-1.8-8 LV UHM20 HPX	7005-148071	3002-1.8-8 RV UHM20 HPX	1.8	8	15°	0	UHM 20 HPX	
7005-127936	3002-1.8-8 LV UHM30 HX	7005-127933	3002-1.8-8 RV UHM30 HX	1.8	8	15°	0	UHM 30 HX	
7005-148077	3002-2.0-10 LV UHM20 HPX	7005-148075	3002-2.0-10 RV UHM20 HPX	2	10	15°	0	UHM 20 HPX	
7005-126663	3002-2.0-10 LV UHM30 HX	7005-126080	3002-2.0-10 RV UHM30 HX	2	10	15°	0	UHM 30 HX	
7005-148081	3002-2.0-16 LV UHM20 HPX	7005-148079	3002-2.0-16 RV UHM20 HPX	2	16	15°	0	UHM 20 HPX	
7005-129473	3002-2.0-16 LV UHM30 HX	7005-113253	3002-2.0-16 RV UHM30 HX	2	16	15°	0	UHM 30 HX	
7005-148085	3002-2.5-13 LV UHM20 HPX	7005-148083	3002-2.5-13 RV UHM20 HPX	2.5	13	15°	0	UHM 20 HPX	
7005-137676	3002-2.5-13 LV UHM30 HX	7005-137673	3002-2.5-13 RV UHM30 HX	2.5	13	15°	0	UHM 30 HX	
7005-148089	3002-2.5-16 LV UHM20 HPX	7005-148087	3002-2.5-16 RV UHM20 HPX	2.5	16	15°	0	UHM 20 HPX	
7005-113257	3002-2.5-16 LV UHM30 HX	7005-113255	3002-2.5-16 RV UHM30 HX	2.5	16	15°	0	UHM 30 HX	
7005-148093	3002-3.0-16 LV UHM20 HPX	7005-148091	3002-3.0-16 RV UHM20 HPX	3	16	15°	0	UHM 20 HPX	
7005-137682	3002-3.0-16 LV UHM30 HX	7005-137679	3002-3.0-16 RV UHM30 HX	3	16	15°	0	UHM 30 HX	



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



3002 Cut-Off

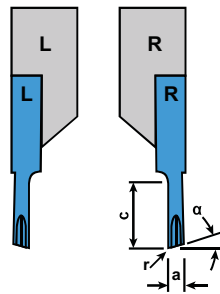
Cut: Standard
Chip Breaker: SC

Repeatability <20μm

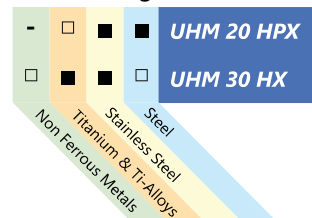
Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	a	c	α	r	Coating
7005-148111	3002-1.5-8 L SC UHM20 HPX	7005-146503	3002-1.5-8 R SC UHM20 HPX	1.5	8	15°	0	UHM 20 HPX
7005-137202	3002-1.5-8 L SC UHM30 HX	7005-137199	3002-1.5-8 R SC UHM30 HX	1.5	8	15°	0	UHM 30 HX
7005-148115	3002-1.5-16 L SC UHM20 HPX	7005-148113	3002-1.5-16 R SC UHM20 HPX	1.5	16	15°	0	UHM 20 HPX
7005-113261	3002-1.5-16 L SC UHM30 HX	7005-113259	3002-1.5-16 R SC UHM30 HX	1.5	16	15°	0	UHM 30 HX
7005-148117	3002-2.0-10 L SC UHM20 HPX	7005-116958	3002-2.0-10 R SC UHM20 HPX	2.0	10	15°	0	UHM 20 HPX
7005-127550	3002-2.0-10 L SC UHM30 HX	7005-125377	3002-2.0-10 R SC UHM30 HX	2.0	10	15°	0	UHM 30 HX
7005-148121	3002-2.0-16 L SC UHM20 HPX	7005-148119	3002-2.0-16 R SC UHM20 HPX	2.0	16	15°	0	UHM 20 HPX
7005-113265	3002-2.0-16 L SC UHM30 HX	7005-113263	3002-2.0-16 R SC UHM30 HX	2.0	16	15°	0	UHM 30 HX
7005-148125	3002-2.5-13 L SC UHM20 HPX	7005-148123	3002-2.5-13 R SC UHM20 HPX	2.5	13	15°	0	UHM 20 HPX
7005-137208	3002-2.5-13 L SC UHM30 HX	7005-137205	3002-2.5-13 R SC UHM30 HX	2.5	13	15°	0	UHM 30 HX
7005-148127	3002-2.5-16 L SC UHM20 HPX	7005-147637	3002-2.5-16 R SC UHM20 HPX	2.5	16	15°	0	UHM 20 HPX
7005-138226	3002-2.5-16 L SC UHM30 HX	7005-113267	3002-2.5-16 R SC UHM30 HX	2.5	16	15°	0	UHM 30 HX
7005-148129	3002-3.0-16 L SC UHM20 HPX	7005-147639	3002-3.0-16 R SC UHM20 HPX	3.0	16	15°	0	UHM 20 HPX
7005-137688	3002-3.0-16 L SC UHM30 HX	7005-137685	3002-3.0-16 R SC UHM30 HX	3.0	16	15°	0	UHM 30 HX



Type-SC Chip Breaker



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



3002 Cut-Off

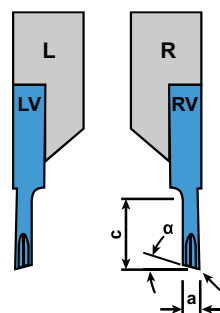
Cut: Inverted
Chip Breaker: SC

Repeatability <20μm

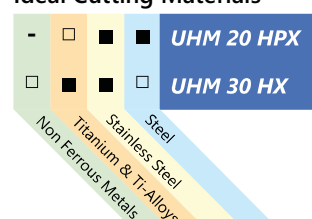
Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	a	c	α	r	Coating
7005-147256	3002-1.5-8 LV SC UHM20 HPX	7005-147631	3002-1.5-8 RV SC UHM20 HPX	1.5	8	15°	0	UHM 20 HPX
7005-137232	3002-1.5-8 LV SC UHM30 HX	7005-137229	3002-1.5-8 RV SC UHM30 HX	1.5	8	15°	0	UHM 30 HX
7005-148133	3002-1.5-16 LV SC UHM20 HPX	7005-148131	3002-1.5-16 RV SC UHM20 HPX	1.5	16	15°	0	UHM 20 HPX
7005-113271	3002-1.5-16 LV SC UHM30 HX	7005-113269	3002-1.5-16 RV SC UHM30 HX	1.5	16	15°	0	UHM 30 HX
7005-147258	3002-2.0-10 LV SC UHM20 HPX	7005-147633	3002-2.0-10 RV SC UHM20 HPX	2.0	10	15°	0	UHM 20 HPX
7005-127948	3002-2.0-10 LV SC UHM30 HX	7005-127945	3002-2.0-10 RV SC UHM30 HX	2.0	10	15°	0	UHM 30 HX
7005-148137	3002-2.0-16 LV SC UHM20 HPX	7005-148135	3002-2.0-16 RV SC UHM20 HPX	2.0	16	15°	0	UHM 20 HPX
7005-113275	3002-2.0-16 LV SC UHM30 HX	7005-113273	3002-2.0-16 RV SC UHM30 HX	2.0	16	15°	0	UHM 30 HX
7005-148141	3002-2.5-13 LV SC UHM20 HPX	7005-148139	3002-2.5-13 RV SC UHM20 HPX	2.5	13	15°	0	UHM 20 HPX
7005-137238	3002-2.5-13 LV SC UHM30 HX	7005-137235	3002-2.5-13 RV SC UHM30 HX	2.5	13	15°	0	UHM 30 HX
7005-148143	3002-2.5-16 LV SC UHM20 HPX	7005-147635	3002-2.5-16 RV SC UHM20 HPX	2.5	16	15°	0	UHM 20 HPX
7005-113279	3002-2.5-16 LV SC UHM30 HX	7005-113277	3002-2.5-16 RV SC UHM30 HX	2.5	16	15°	0	UHM 30 HX
7005-147641	3002-3.0-16 LV SC UHM20 HPX	7005-148145	3002-3.0-16 RV SC UHM20 HPX	3.0	16	15°	0	UHM 20 HPX
7005-137694	3002-3.0-16 LV SC UHM30 HX	7005-137691	3002-3.0-16 RV SC UHM30 HX	3.0	16	15°	0	UHM 30 HX



Type-SC Chip Breaker



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



3002 Cut-Off

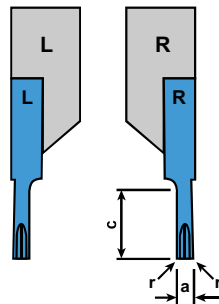
Cut: Neutral
Chip Breaker: SC

Repeatability <20µm

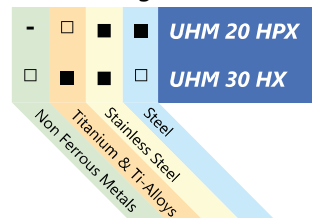
Left Hand		Right Hand		Dimensions & Features			
Item No.	Description	Item No.	Description	a	c	r	Coating
7005-148149	3002-1.5-10 LN SC UHM20 HPX	7005-148147	3002-1.5-10 RN SC UHM20 HPX	1.5	8	.08	UHM 20 HPX
7005-137214	3002-1.5-10 LN SC UHM30 HX	7005-137211	3002-1.5-10 RN SC UHM30 HX	1.5	8	.08	UHM 30 HX
7005-148153	3002-1.5-16 LN SC UHM20 HPX	7005-148151	3002-1.5-16 RN SC UHM20 HPX	1.5	16	.08	UHM 20 HPX
7005-113283	3002-1.5-16 LN SC UHM30 HX	7005-113281	3002-1.5-16 RN SC UHM30 HX	1.5	16	.08	UHM 30 HX
7005-148157	3002-2.0-10 LN SC UHM20 HPX	7005-148155	3002-2.0-10 RN SC UHM20 HPX	2.0	10	.08	UHM 20 HPX
7005-137220	3002-2.0-10 LN SC UHM30 HX	7005-137217	3002-2.0-10 RN SC UHM30 HX	2.0	10	.08	UHM 30 HX
7005-148161	3002-2.0-16 LN SC UHM20 HPX	7005-148159	3002-2.0-16 RN SC UHM20 HPX	2.0	16	.08	UHM 20 HPX
7005-113287	3002-2.0-16 LN SC UHM30 HX	7005-113285	3002-2.0-16 RN SC UHM30 HX	2.0	16	.08	UHM 30 HX
7005-148163	3002-2.5-13 LN SC UHM20 HPX	7005-114993	3002-2.5-13 RN SC UHM20 HPX	2.5	13	.08	UHM 20 HPX
7005-137226	3002-2.5-13 LN SC UHM30 HX	7005-137223	3002-2.5-13 RN SC UHM30 HX	2.5	13	.08	UHM 30 HX
7005-148167	3002-2.5-16 LN SC UHM20 HPX	7005-148165	3002-2.5-16 RN SC UHM20 HPX	2.5	16	.08	UHM 20 HPX
7005-113291	3002-2.5-16 LN SC UHM30 HX	7005-113289	3002-2.5-16 RN SC UHM30 HX	2.5	16	.08	UHM 30 HX
7005-148171	3002-3.0-16 LN SC UHM20 HPX	7005-148169	3002-3.0-16 RN SC UHM20 HPX	3.0	16	.08	UHM 20 HPX
7005-137700	3002-3.0-16 LN SC UHM30 HX	7005-137697	3002-3.0-16 RN SC UHM30 HX	3.0	16	.08	UHM 30 HX



Type-SC Chip Breaker



Ideal Cutting Materials





3002 Cut-Off

Cut: Standard

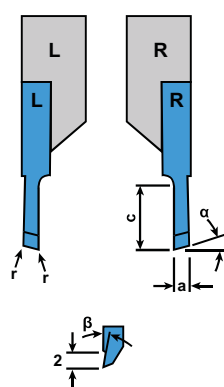
Chip Breaker: SPT

Repeatability <20μm

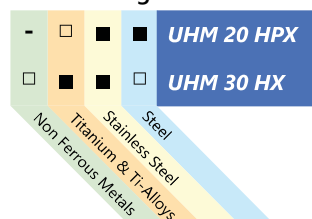
Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	α	β	r	Coating
7005-113295	3002-0.8-10 L SPT UHM30 HX	7005-113293	3002-0.8-10 R SPT UHM30 HX	0.8	10	15°	20°	0	UHM 30 HX
7005-113299	3002-1.0-13 L SPT UHM30 HX	7005-113297	3002-1.0-13 R SPT UHM30 HX	1.0	13	15°	20°	0	UHM 30 HX
7005-126678	3002-1.5-8 L SPT UHM30 HX	7005-125922	3002-1.5-8 R SPT UHM30 HX	1.5	8	15°	20°	0	UHM 30 HX
7005-112803	3002-1.5-8 L SPT06 UHM20 HPX	7005-112799	3002-1.5-8 R SPT06 UHM20 HPX	1.5	8	15°	6°	.05	UHM 20 HPX
7005-112805	3002-1.5-8 L SPT12 UHM20 HPX	7005-112801	3002-1.5-8 R SPT12 UHM20 HPX	1.5	8	15°	12°	.05	UHM 20 HPX
7005-113303	3002-1.5-16 L SPT UHM30 HX	7005-113301	3002-1.5-16 R SPT UHM30 HX	1.5	16	15°	20°	0	UHM 30 HX
7005-126681	3002-2.0-10 L SPT UHM30 HX	7005-125925	3002-2.0-10 R SPT UHM30 HX	2.0	10	15°	20°	0	UHM 30 HX
7005-112810	3002-2.0-10 L SPT06 UHM20 HPX	7005-112807	3002-2.0-10 R SPT06 UHM20 HPX	2.0	10	15°	6°	.05	UHM 20 HPX
7005-147590	3002-2.0-10 L SPT12 UHM20 HPX	7005-147589	3002-2.0-10 R SPT12 UHM20 HPX	2.0	10	15°	12°	.05	UHM 20 HPX
7005-113307	3002-2.0-16 L SPT UHM30 HX	7005-113305	3002-2.0-16 R SPT UHM30 HX	2.0	16	15°	20°	0	UHM 30 HX
7005-112816	3002-2.0-16 L SPT06 UHM20 HPX	7005-112812	3002-2.0-16 R SPT06 UHM20 HPX	2.0	16	15°	6°	.05	UHM 20 HPX
7005-112818	3002-2.0-16 L SPT12 UHM20 HPX	7005-112814	3002-2.0-16 R SPT12 UHM20 HPX	2.0	16	15°	12°	.05	UHM 20 HPX
7005-138917	3002-2.5-13 L SPT UHM30 HX	7005-138914	3002-2.5-13 R SPT UHM30 HX	2.5	13	15°	20°	0	UHM 30 HX
7005-112824	3002-2.5-13 L SPT06 UHM20 HPX	7005-112820	3002-2.5-13 R SPT06 UHM20 HPX	2.5	13	15°	6°	.05	UHM 20 HPX
7005-112826	3002-2.5-13 L SPT12 UHM20 HPX	7005-112822	3002-2.5-13 R SPT12 UHM20 HPX	2.5	13	15°	12°	.05	UHM 20 HPX
7005-113311	3002-2.5-16 L SPT UHM30 HX	7005-113309	3002-2.5-16 R SPT UHM30 HX	2.5	16	15°	20°	0	UHM 30 HX
7005-112832	3002-2.5-16 L SPT06 UHM20 HPX	7005-112828	3002-2.5-16 R SPT06 UHM20 HPX	2.5	16	15°	6°	.05	UHM 20 HPX
7005-112834	3002-2.5-16 L SPT12 UHM20 HPX	7005-112830	3002-2.5-16 R SPT12 UHM20 HPX	2.5	16	15°	12°	.05	UHM 20 HPX
7005-138902	3002-3.0-16 L SPT UHM30 HX	7005-138920	3002-3.0-16 R SPT UHM30 HX	3.0	16	15°	20°	.05	UHM 30 HX
7005-112840	3002-3.0-16 L SPT06 UHM20 HPX	7005-112836	3002-3.0-16 R SPT06 UHM20 HPX	3.0	16	15°	6°	.05	UHM 20 HPX
7005-112842	3002-3.0-16 L SPT12 UHM20 HPX	7005-112838	3002-3.0-16 R SPT12 UHM20 HPX	3.0	16	15°	12°	.05	UHM 20 HPX



Type-SPT Chip Breaker



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



3002 Cut-Off

Cut: Inverted

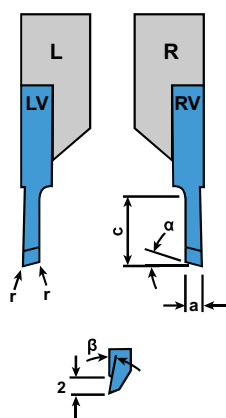
Chip Breaker: SPT

Repeatability <20μm

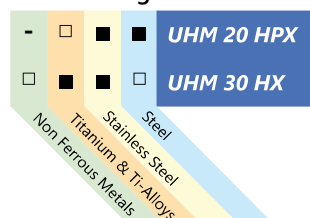
Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	α	β	r	Coating
7005-113315	3002-0.8-10 LV SPT UHM30 HX	7005-113313	3002-0.8-10 RV SPT UHM30 HX	0.8	10	15°	20°	0	UHM 30 HX
7005-113319	3002-1.0-13 LV SPT UHM30 HX	7005-113317	3002-1.0-13 RV SPT UHM30 HX	1.0	13	15°	20°	0	UHM 30 HX
7005-127954	3002-1.5-8 LV SPT UHM30 HX	7005-127951	3002-1.5-8 RV SPT UHM30 HX	1.5	8	15°	20°	0	UHM 30 HX
7005-112848	3002-1.5-8 LV SPT06 UHM20 HPX	7005-112844	3002-1.5-8 RV SPT06 UHM20 HPX	1.5	8	15°	6°	.05	UHM 20 HPX
7005-112850	3002-1.5-8 LV SPT12 UHM20 HPX	7005-112846	3002-1.5-8 RV SPT12 UHM20 HPX	1.5	8	15°	12°	.05	UHM 20 HPX
7005-113323	3002-1.5-16 LV SPT UHM30 HX	7005-113321	3002-1.5-16 RV SPT UHM30 HX	1.5	16	15°	20°	0	UHM 30 HX
7005-127960	3002-2.0-10 LV SPT UHM30 HX	7005-127957	3002-2.0-10 RV SPT UHM30 HX	2.0	10	15°	20°	0	UHM 30 HX
7005-112856	3002-2.0-10 LV SPT06 UHM20 HPX	7005-112852	3002-2.0-10 RV SPT06 UHM20 HPX	2.0	10	15°	6°	.05	UHM 20 HPX
7005-112858	3002-2.0-10 LV SPT12 UHM20 HPX	7005-112854	3002-2.0-10 RV SPT12 UHM20 HPX	2.0	10	15°	12°	.05	UHM 20 HPX
7005-113327	3002-2.0-16 LV SPT UHM30 HX	7005-113325	3002-2.0-16 RV SPT UHM30 HX	2.0	16	15°	20°	0	UHM 30 HX
7005-112864	3002-2.0-16 LV SPT06 UHM20 HPX	7005-112860	3002-2.0-16 RV SPT06 UHM20 HPX	2.0	16	15°	6°	.05	UHM 20 HPX
7005-112866	3002-2.0-16 LV SPT12 UHM20 HPX	7005-112862	3002-2.0-16 RV SPT12 UHM20 HPX	2.0	16	15°	12°	.05	UHM 20 HPX
7005-147071	3002-2.5-13 LV SPT UHM30 HX	7005-147069	3002-2.5-13 RV SPT UHM30 HX	2.5	13	15°	20°	0	UHM 30 HX
7005-112872	3002-2.5-13 LV SPT06 UHM20 HPX	7005-112868	3002-2.5-13 RV SPT06 UHM20 HPX	2.5	13	15°	6°	.05	UHM 20 HPX
7005-112874	3002-2.5-13 LV SPT12 UHM20 HPX	7005-112870	3002-2.5-13 RV SPT12 UHM20 HPX	2.5	13	15°	12°	.05	UHM 20 HPX
7005-113331	3002-2.5-16 LV SPT UHM30 HX	7005-113329	3002-2.5-16 RV SPT UHM30 HX	2.5	16	15°	20°	0	UHM 30 HX
7005-112880	3002-2.5-16 LV SPT06 UHM20 HPX	7005-112876	3002-2.5-16 RV SPT06 UHM20 HPX	2.5	16	15°	6°	.05	UHM 20 HPX
7005-112882	3002-2.5-16 LV SPT12 UHM20 HPX	7005-112878	3002-2.5-16 RV SPT12 UHM20 HPX	2.5	16	15°	12°	.05	UHM 20 HPX
7005-113335	3002-3.0-16 LV SPT UHM30 HX	7005-113333	3002-3.0-16 RV SPT UHM30 HX	3.0	16	15°	20°	.05	UHM 30 HX
7005-112888	3002-3.0-16 LV SPT06 UHM20 HPX	7005-112884	3002-3.0-16 RV SPT06 UHM20 HPX	3.0	16	15°	6°	.05	UHM 20 HPX
7005-112890	3002-3.0-16 LV SPT12 UHM20 HPX	7005-112886	3002-3.0-16 RV SPT12 UHM20 HPX	3.0	16	15°	12°	.05	UHM 20 HPX



Type-SPT Chip Breaker



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



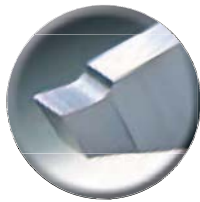
3002 Cut-Off

Cut: Neutral

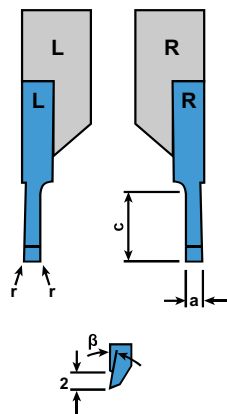
Chip Breaker: SPT

Repeatability <20µm

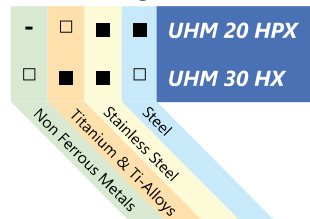
Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	a	c	β	r	Coating
7005-113893	3002-1.0-10 LN SPT UHM30 HX	7005-113876	3002-1.0-10 RN SPT UHM30 HX	1.0	10	20°	.05	UHM 30 HX
7005-139730	3002-1.5-10 LN SPT UHM30 HX	7005-113051	3002-1.5-10 RN SPT UHM30 HX	1.5	10	20°	.05	UHM 30 HX
7005-112896	3002-1.5-10 LN SPT06 UHM20 HPX	7005-112892	3002-1.5-10 RN SPT06 UHM20 HPX	1.5	10	6°	.05	UHM 20 HPX
7005-112898	3002-1.5-10 LN SPT12 UHM20 HPX	7005-112894	3002-1.5-10 RN SPT12 UHM20 HPX	1.5	10	12°	.05	UHM 20 HPX
7005-113339	3002-1.5-16 LN SPT UHM30 HX	7005-113337	3002-1.5-16 RN SPT UHM30 HX	1.5	16	20°	.05	UHM 30 HX
7005-113055	3002-2.0-10 LN SPT UHM30 HX	7005-113053	3002-2.0-10 RN SPT UHM30 HX	2.0	10	20°	.05	UHM 30 HX
7005-112904	3002-2.0-10 LN SPT06 UHM20 HPX	7005-112900	3002-2.0-10 RN SPT06 UHM20 HPX	2.0	10	6°	.05	UHM 20 HPX
7005-112906	3002-2.0-10 LN SPT12 UHM20 HPX	7005-112902	3002-2.0-10 RN SPT12 UHM20 HPX	2.0	10	12°	.05	UHM 20 HPX
7005-113343	3002-2.0-16 LN SPT UHM30 HX	7005-113341	3002-2.0-16 RN SPT UHM30 HX	2.0	16	20°	.05	UHM 30 HX
7005-112912	3002-2.0-16 LN SPT06 UHM20 HPX	7005-112908	3002-2.0-16 RN SPT06 UHM20 HPX	2.0	16	6°	.05	UHM 20 HPX
7005-112914	3002-2.0-16 LN SPT12 UHM20 HPX	7005-112910	3002-2.0-16 RN SPT12 UHM20 HPX	2.0	16	12°	.05	UHM 20 HPX
7005-113059	3002-2.5-13 LN SPT UHM30 HX	7005-113057	3002-2.5-13 RN SPT UHM30 HX	2.5	13	20°	.05	UHM 30 HX
7005-112918	3002-2.5-13 LN SPT06 UHM20 HPX	7005-114992	3002-2.5-13 RN SPT06 UHM20 HPX	2.5	13	6°	.05	UHM 20 HPX
7005-112920	3002-2.5-13 LN SPT12 UHM20 HPX	7005-112916	3002-2.5-13 RN SPT12 UHM20 HPX	2.5	13	12°	.05	UHM 20 HPX
7005-113347	3002-2.5-16 LN SPT UHM30 HX	7005-113345	3002-2.5-16 RN SPT UHM30 HX	2.5	16	20°	.05	UHM 30 HX
7005-112926	3002-2.5-16 LN SPT06 UHM20 HPX	7005-112922	3002-2.5-16 RN SPT06 UHM20 HPX	2.5	16	6°	.05	UHM 20 HPX
7005-112928	3002-2.5-16 LN SPT12 UHM20 HPX	7005-112924	3002-2.5-16 RN SPT12 UHM20 HPX	2.5	16	12°	.05	UHM 20 HPX
7005-113063	3002-3.0-16 LN SPT UHM30 HX	7005-113061	3002-3.0-16 RN SPT UHM30 HX	3.0	16	20°	.05	UHM 30 HX
7005-112934	3002-3.0-16 LN SPT06 UHM20 HPX	7005-112930	3002-3.0-16 RN SPT06 UHM20 HPX	3.0	16	6°	.05	UHM 20 HPX
7005-112936	3002-3.0-16 LN SPT12 UHM20 HPX	7005-112932	3002-3.0-16 RN SPT12 UHM20 HPX	3.0	16	12°	.05	UHM 20 HPX



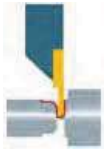
Type-SPT Chip Breaker



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



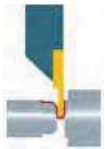
3002 Turn & Cut-Off

Cut: Standard

Geometry: TOP Wiper

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	a	c	b	r	Coating
7005-148175	3002-2.0-10 L TOP 015 UHM20 HPX	7005-148173	3002-2.0-10 R TOP 015 UHM20 HPX	2	10	.3	.15	UHM 20 HPX
7005-113098	3002-2.0-10 L TOP 015 UHM30 HX	7005-113049	3002-2.0-10 R TOP 015 UHM30 HX	2	10	.3	.15	UHM 30 HX



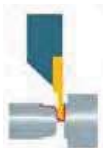
3002 Turn & Cut-Off

Cut: Standard

Geometry: TOP Wiper & SC Chip Breaker

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	a	c	b	r	Coating
7005-148183	3002-2.0-10 L SC TOP 015 UHM20 HPX	7005-148181	3002-2.0-10 R SC TOP 015 UHM20 HPX	2	10	.3	.15	UHM 20 HPX
7005-113106	3002-2.0-10 L SC TOP 015 UHM30 HX	7005-113104	3002-2.0-10 R SC TOP 015 UHM30 HX	2	10	.3	.15	UHM 30 HX



3002 Turn & Cut-Off

Cut: Inverted

Geometry: TOP Wiper

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	a	c	b	r	Coating
7005-148179	3002-2.0-10 LV TOP 015 UHM20 HPX	7005-148177	3002-2.0-10 RV TOP 015 UHM20 HPX	2	10	.3	.15	UHM 20 HPX
7005-113102	3002-2.0-10 LV TOP 015 UHM30 HX	7005-113100	3002-2.0-10 RV TOP 015 UHM30 HX	2	10	.3	.15	UHM 30 HX



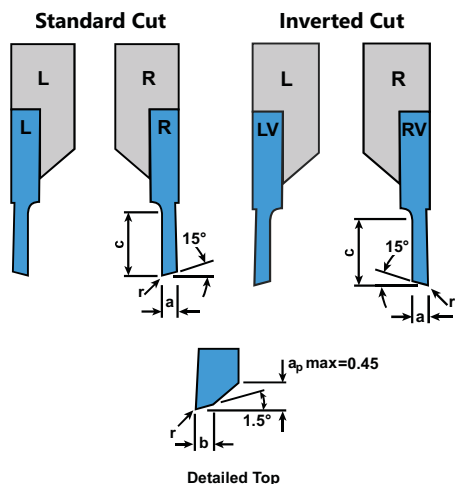
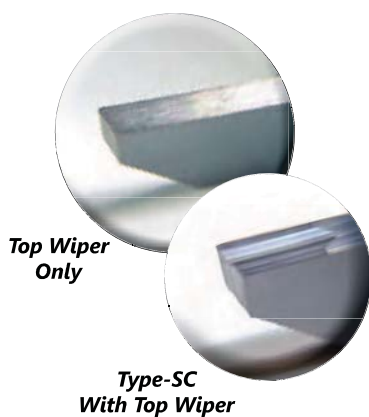
3002 Turn & Cut-Off

Cut: Inverted

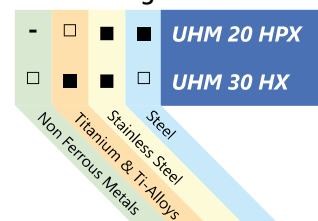
Geometry: TOP Wiper & SC Chip Breaker

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	a	c	b	r	Coating
7005-148187	3002-2.0-10 LV SC TOP 015 UHM20 HPX	7005-148185	3002-2.0-10 RV SC TOP 015 UHM20 HPX	2	10	.3	.15	UHM 20 HPX
7005-129406	3002-2.0-10 LV SC TOP 015 UHM30 HX	7005-113108	3002-2.0-10 RV SC TOP 015 UHM30 HX	2	10	.3	.15	UHM 30 HX



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



3002 Cut-Off

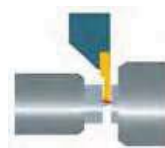
Cut: Standard

Geometry: Slim & Deep

Great for getting super close to the guide bushing to cut off very short parts while reducing deflection.

Repeatability = R : ■ <10μm, ■ <20μm

Left Hand		Right Hand		Dimensions & Features						
Item No.	Description	Item No.	Description	R	a	a ₁	c	α	r	Coating
7005-139523	3002-0.5-2.5-16 L G20 UHM30 HX	7005-139521	3002-0.5-2.5-16 R G20 UHM30 HX	■	0.5	1.9	2.5	20°	0	UHM 30 HX
7005-148097	3002-0.8-6-16 L UHM20 HPX	7005-148095	3002-0.8-6-16 R UHM20 HPX	■	0.8	2	6	15°	0	UHM 20 HPX
7005-139527	3002-0.8-6-16 L UHM30 HX	7005-139525	3002-0.8-6-16 R UHM30 HX	■	0.8	2	6	15°	0	UHM 30 HX
7005-139531	3002-1.0-6-16 L UHM30 HX	7005-139529	3002-1.0-6-16 R UHM30 HX	■	1	2.2	6	15°	0	UHM 30 HX
7005-148101	3002-1.2-6-16 L UHM20 HPX	7005-148099	3002-1.2-6-16 R UHM20 HPX	■	1.2	2.4	6	15°	0	UHM 20 HPX
7005-139535	3002-1.2-6-16 L UHM30 HX	7005-139533	3002-1.2-6-16 R UHM30 HX	■	1.2	2.4	6	15°	0	UHM 30 HX



3002 Cut-Off

Cut: Inverted

Geometry: Slim & Deep

Repeatability = R : ■ <10μm, ■ <20μm

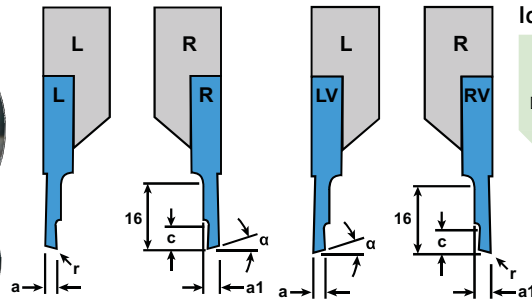
Left Hand		Right Hand		Dimensions & Features						
Item No.	Description	Item No.	Description	R	a	a ₁	c	α	r	Coating
7005-139539	3002-0.5-2.5-16 LV G20 UHM30 HX	7005-139537	3002-0.5-2.5-16 RV G20 UHM30 HX	■	0.5	1.9	2.5	20°	0	UHM 30 HX
7005-148104	3002-0.8-6-16 LV UHM20	7005-148103	3002-0.8-6-16 RV UHM20 HPX	■	0.8	2	6	15°	0	UHM 20 HPX
7005-139544	3002-0.8-6-16 LV UHM30 HX	7005-139541	3002-0.8-6-16 RV UHM30 HX	■	0.8	2	6	15°	0	UHM 30 HX
7005-139548	3002-1.0-6-16 LV UHM30 HX	7005-139546	3002-1.0-6-16 RV UHM30 HX	■	1	2.2	6	15°	0	UHM 30 HX
7005-148108	3002-1.2-6-16 LV UHM20	7005-148107	3002-1.2-6-16 RV UHM20 HPX	■	1.2	2.4	6	15°	0	UHM 20 HPX
7005-139552	3002-1.2-6-16 LV UHM30 HX	7005-139550	3002-1.2-6-16 RV UHM30 HX	■	1.2	2.4	6	15°	0	UHM 30 HX

No Chip Breaker



Type-SPT
Chip Breaker

Type-SC
Chip Breaker

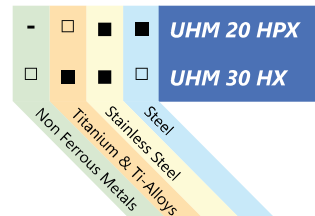


Standard Cut

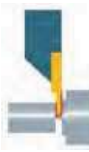
Inverted Cut

Available in Type-SC and Type-SPT Geometry as well. Contact us or visit www.genswiss.com for additional details.

Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



3002 Cut-Off

Cut: Standard
Chip Breaker: GS

Repeatability <50µm

Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	α	r	Edge	Coating
7005-113135	3002-2.0-10 EL GS UHM20 HPX	7005-113132	3002-2.0-10 ER GS UHM20 HPX	2	10	15°	.2	Honed (E)	UHM 20 HPX
7005-153047	3002-2.0-10 FL GS UHM20 HPX	7005-153045	3002-2.0-10 FR GS UHM20 HPX	2	10	15°	.2	Sharp (F)	UHM 20 HPX



3002 Cut-Off

Cut: Inverted
Chip Breaker: GS

Repeatability <50µm

Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	α	r	Edge	Coating
7005-113904	3002-2.0-10 ELV GS UHM20 HPX	7005-113902	3002-2.0-10 ERV GS UHM20 HPX	2	10	15°	.2	Honed (E)	UHM 20 HPX
7005-153051	3002-2.0-10 FLV GS UHM20 HPX	7005-153049	3002-2.0-10 FRV GS UHM20 HPX	2	10	15°	.2	Sharp (F)	UHM 20 HPX

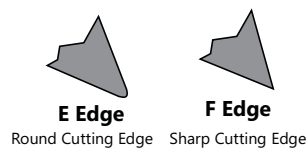
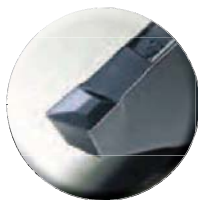


3002 Cut-Off

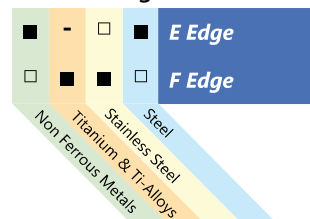
Cut: Neutral
Chip Breaker: GS

Repeatability <50µm

Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	r	Edge	Coating	
7005-116978	3002-2.0-10 R EN GS UHM20 HPX	7005-116977	3002-2.0-10 L EN GS UHM20 HPX	2	10	.2	Honed (E)	UHM 20 HPX	
7005-153055	3002-2.0-10 R FN GS UHM20 HPX	7005-153057	3002-2.0-10 L FN GS UHM20 HPX	2	10	.2	Sharp (F)	UHM 20 HPX	

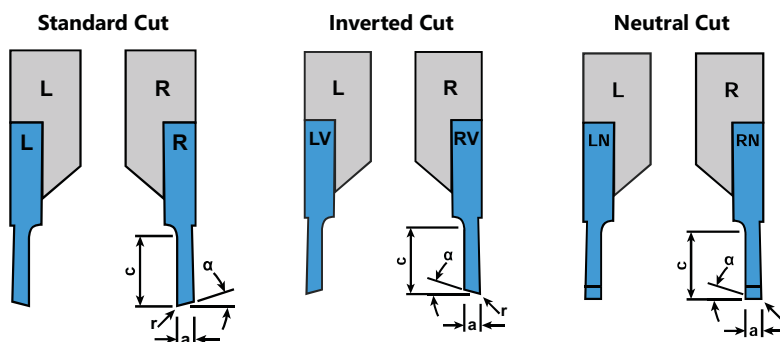


Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended

Type-GS Chip Breaker



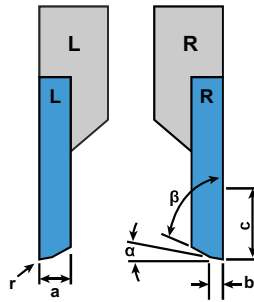


3003 Front Turn

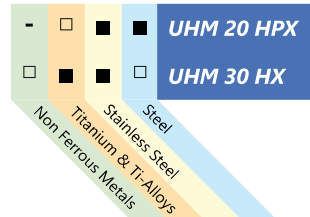
Cut: Standard
Chip Breaker: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions & Features						
Item No.	Description	Item No.	Description	a	b	c	α	β	r	Coating
7005-148191	3003-3.4-8 L UHM20 HPX	7005-148189	3003-3.4-8 R UHM20 HPX	3.4	1	8	3°	70°	0	UHM 20 HPX
7005-126684	3003-3.4-8 L UHM30 HX	7005-125927	3003-3.4-8 R UHM30 HX	3.4	1	8	3°	70°	0	UHM 30 HX



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended

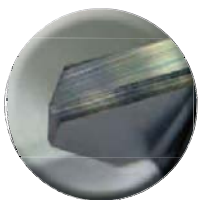


3003 Front Turn

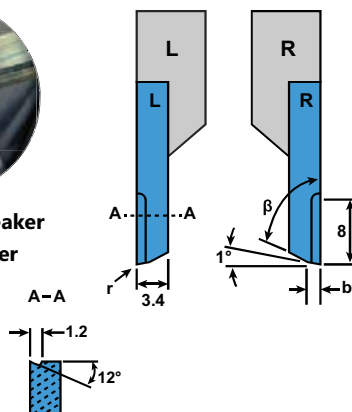
Cut: Standard
Chip Breaker: SP With TOP Wiper

Repeatability <20µm

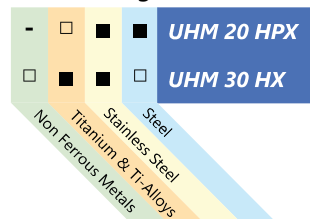
Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	b	β	r	Coating	
7005-148195	3003-3.4-8 L SP U TOP ZZ UHM20 HPX	7005-148193	3003-3.4-8 R SP U TOP ZZ UHM20 HPX	0.2	82°	0	UHM 20 HPX	
7005-126687	3003-3.4-8 L SP U TOP ZZ UHM30 HX	7005-125930	3003-3.4-8 R SP U TOP ZZ UHM30 HX	0.2	82°	0	UHM 30 HX	
7005-148199	3003-3.4-8 L SP U TOP 45008 UHM20 HPX	7005-148197	3003-3.4-8 R SP U TOP 45008 UHM20 HPX	1.2	45°	.08	UHM 20 HPX	
7005-129664	3003-3.4-8 L SP U TOP 45008 UHM30 HX	7005-129662	3003-3.4-8 R SP U TOP 45008 UHM30 HX	1.2	45°	.08	UHM 30 HX	
7005-148203	3003-3.4-8 L SP U TOP 45015 UHM20 HPX	7005-148201	3003-3.4-8 R SP U TOP 45015 UHM20 HPX	1.2	45°	.15	UHM 20 HPX	
7005-129668	3003-3.4-8 L SP U TOP 45015 UHM30 HX	7005-129666	3003-3.4-8 R SP U TOP 45015 UHM30 HX	1.2	45°	.15	UHM 30 HX	



Type-SP Chip Breaker With TOP Wiper



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



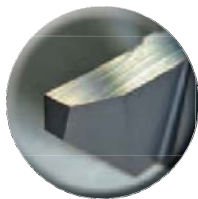
3004 Back Turn

Cut: Standard

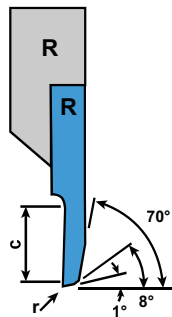
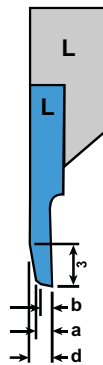
Geometry: TOP Wiper

Repeatability <20µm

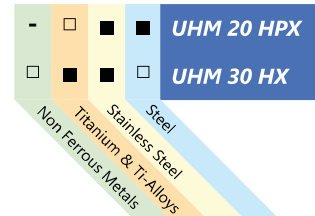
Left Hand		Right Hand		Dimensions & Features						
Item No.	Description	Item No.	Description	a	b	c	d	r	Coating	
7005-148207	3004-0.8-6 L TOP ZZ UHM20 HPX	7005-148205	3004-0.8-6 R TOP ZZ UHM20 HPX	0.8	.5	6	2	0.00	UHM 20 HPX	
7005-126701	3004-0.8-6 L TOP ZZ UHM30 HX	7005-125933	3004-0.8-6 R TOP ZZ UHM30 HX	0.8	.5	6	2	0.00	UHM 30 HX	
7005-148209	3004-1.0-6 L TOP ZZ UHM20 HPX	7005-147061	3004-1.0-6 R TOP ZZ UHM20 HPX	1.0	.5	6	2.2	0.00	UHM 20 HPX	
7005-126707	3004-1.0-6 L TOP ZZ UHM30 HX	7005-126704	3004-1.0-6 R TOP ZZ UHM30 HX	1.0	.5	6	2.2	0.00	UHM 30 HX	
7005-148213	3004-1.2-8 L TOP ZZ UHM20 HPX	7005-148211	3004-1.2-8 R TOP ZZ UHM20 HPX	1.2	.5	8	2.4	0.00	UHM 20 HPX	
7005-126710	3004-1.2-8 L TOP ZZ UHM30 HX	7005-125936	3004-1.2-8 R TOP ZZ UHM30 HX	1.2	.5	8	2.4	0.00	UHM 30 HX	
7005-148217	3004-1.5-8 L TOP ZZ UHM20 HPX	7005-148215	3004-1.5-8 R TOP ZZ UHM20 HPX	1.5	.5	8	2.7	0.00	UHM 20 HPX	
7005-126716	3004-1.5-8 L TOP ZZ UHM30 HX	7005-126713	3004-1.5-8 R TOP ZZ UHM30 HX	1.5	.5	8	2.7	0.00	UHM 30 HX	
7005-148221	3004-1.8-8 L TOP ZZ UHM20 HPX	7005-148219	3004-1.8-8 R TOP ZZ UHM20 HPX	1.8	.5	8	3	0.00	UHM 20 HPX	
7005-126722	3004-1.8-8 L TOP ZZ UHM30 HX	7005-126719	3004-1.8-8 R TOP ZZ UHM30 HX	1.8	.5	8	3	0.00	UHM 30 HX	



TOP Wiper



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



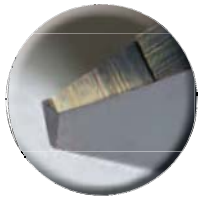
3004 Back Turn

Cut: Standard

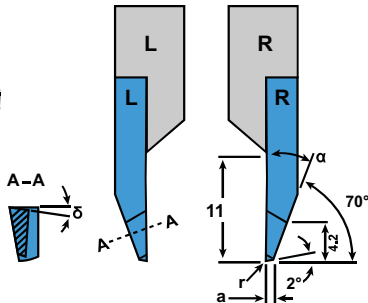
Chip Breaker: CP

Repeatability <20µm

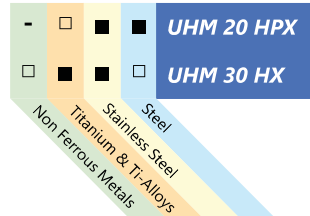
Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	α	r	δ	Coating
7005-148235	3004-0.8-4 L CP UHM20 HPX	7005-148233	3004-0.8-4 R CP UHM20 HPX	0.8	11	20°	0	8°	UHM 20 HPX
7005-126743	3004-0.8-4 L CP UHM30 HX	7005-125942	3004-0.8-4 R CP UHM30 HX	0.8	11	20°	0	8°	UHM30 HX



Type-CP
Chip Breaker



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



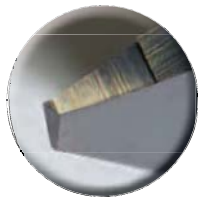
3004 Back Turn

Cut: Inverted

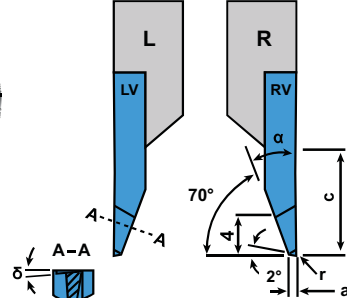
Chip Breaker: CP

Repeatability <20µm

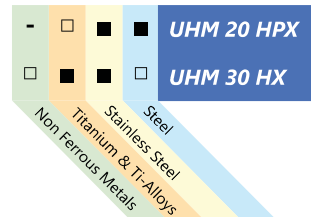
Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	α	r	δ	Coating
Call For Details	3004-0.8-4 LV CP UHM20 HPX	Call For Details	3004-0.8-4 RV CP UHM20 HPX	0.8	11	20°	0	8°	UHM 20 HPX
7005-129594	3004-0.8-4 LV CP UHM30 HX	7005-129592	3004-0.8-4 RV CP UHM30 HX	0.8	11	20°	0	8°	UHM 30 HX



Type-CP
Chip Breaker



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



3004 Back Turn

Cut: Standard

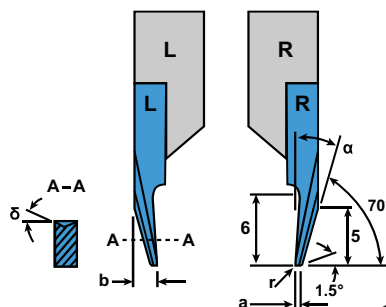
Chip Breaker: SP With TOP Wiper

Repeatability <20µm

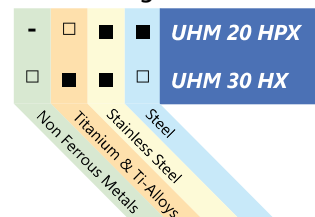
Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	b	α	r	δ	Coating
7005-148223	3004-2.4-6 L SP TOP 20ZZ UHM20 HPX	7005-147063	3004-2.4-6 R SP TOP 20ZZ UHM20 HPX	0.5	2.4	20°	0.00	15°	UHM 20 HPX
7005-113213	3004-2.4-6 L SP TOP 20ZZ UHM30 HX	7005-113211	3004-2.4-6 R SP TOP 20ZZ UHM30 HX	0.5	2.4	20°	0.00	15°	UHM 30 HX
7005-148227	3004-2.4-6 L SP TOP 20008 UHM20 HPX	7005-148225	3004-2.4-6 R SP TOP 20008 UHM20 HPX	0.5	2.4	20°	0.08	15°	UHM 20 HPX
7005-113217	3004-2.4-6 L SP TOP 20008 UHM30 HX	7005-113215	3004-2.4-6 R SP TOP 20008 UHM30 HX	0.5	2.4	20°	0.08	15°	UHM 30 HX
7005-148231	3004-2.4-6 L SP TOP 20015 UHM20 HPX	7005-148229	3004-2.4-6 R SP TOP 20015 UHM20 HPX	0.5	2.4	20°	0.15	15°	UHM 20 HPX
7005-113221	3004-2.4-6 L SP TOP 20015 UHM30 HX	7005-113219	3004-2.4-6 R SP TOP 20015 UHM30 HX	0.5	2.4	20°	0.15	15°	UHM 30 HX



SP Chip Breaker
TOP Wiper



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended

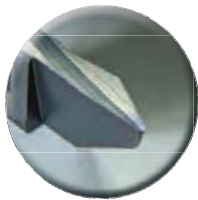


3004 Copy Turn

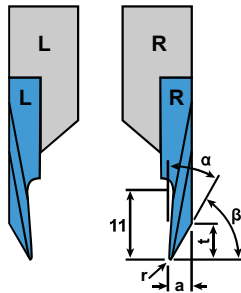
Cut: Standard
Chip Breaker: SP

Repeatability <20µm

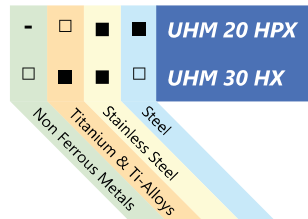
Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	α	β	t	r	Coating
7005-147599	3004-3.2-6 L SP29008 UHM20 HPX	7005-147065	3004-3.2-6 R SP29008 UHM20 HPX	3.2	29°	61°	5	0.08	UHM 20 HPX
7005-137914	3004-3.2-6 L SP29008 UHM30 HX	7005-137911	3004-3.2-6 R SP29008 UHM30 HX	3.2	29°	61°	5	0.08	UHM 30 HX
7005-147607	3004-3.2-6 L SP29015 UHM20 HPX	7005-147605	3004-3.2-6 R SP29015 UHM20 HPX	3.2	29°	61°	5	0.15	UHM 20 HPX
7005-128971	3004-3.2-6 L SP29015 UHM30 HX	7005-128968	3004-3.2-6 R SP29015 UHM30 HX	3.2	29°	61°	5	0.15	UHM 30 HX
7005-147615	3004-3.2-6 L SP29035 UHM20 HPX	7005-147613	3004-3.2-6 R SP29035 UHM20 HPX	3.2	29°	61°	5	0.35	UHM 20 HPX
7005-128977	3004-3.2-6 L SP29035 UHM30 HX	7005-128974	3004-3.2-6 R SP29035 UHM30 HX	3.2	29°	61°	5	0.35	UHM 30 HX
7005-148239	3004-3.2-6 L SP29075 UHM20 HPX	7005-148237	3004-3.2-6 R SP29075 UHM20 HPX	3.2	29°	61°	5	0.75	UHM 20 HPX
7005-137917	3004-3.2-6 L SP29075 UHM30 HX	7005-137282	3004-3.2-6 R SP29075 UHM30 HX	3.2	29°	61°	5	0.75	UHM 30 HX
7005-148243	3004-3.2-5 L SP35015 UHM20 HPX	7005-148241	3004-3.2-5 R SP35015 UHM20 HPX	3.2	35°	55°	4	0.15	UHM 20 HPX
7005-128983	3004-3.2-5 L SP35015 UHM30 HX	7005-128980	3004-3.2-5 R SP35015 UHM30 HX	3.2	35°	55°	4	0.15	UHM 30 HX
7005-148247	3004-3.2-5 L SP35035 UHM20 HPX	7005-148245	3004-3.2-5 R SP35035 UHM20 HPX	3.2	35°	55°	4	0.35	UHM 20 HPX
7005-128989	3004-3.2-5 L SP35035 UHM30 HX	7005-126494	3004-3.2-5 R SP35035 UHM30 HX	3.2	35°	55°	4	0.35	UHM 30 HX



Type-SP
Chip Breaker



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



3004 Copy/Profile Turn

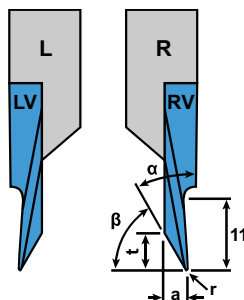
Cut: Inverted
Chip Breaker: SP

Repeatability <20µm

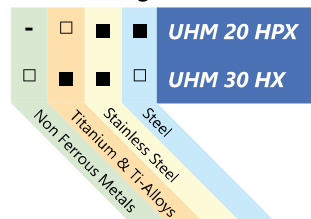
Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	α	β	t	r	Coating
7005-147603	3004-3.2-6 LV SP29008 UHM20 HPX	7005-147401	3004-3.2-6 RV SP29008 UHM20 HPX	3.2	29°	61°	5	0.08	UHM 20 HPX
7005-138215	3004-3.2-6 LV SP29008 UHM30 HX	7005-138212	3004-3.2-6 RV SP29008 UHM30 HX	3.2	29°	61°	5	0.08	UHM 30 HX
7005-147611	3004-3.2-6 LV SP29015 UHM20 HPX	7005-147609	3004-3.2-6 RV SP29015 UHM20 HPX	3.2	29°	61°	5	0.15	UHM 20 HPX
7005-128995	3004-3.2-6 LV SP29015 UHM30 HX	7005-128992	3004-3.2-6 RV SP29015 UHM30 HX	3.2	29°	61°	5	0.15	UHM 30 HX
7005-147619	3004-3.2-6 LV SP29035 UHM20 HPX	7005-147617	3004-3.2-6 RV SP29035 UHM20 HPX	3.2	29°	61°	5	0.35	UHM 20 HPX
7005-129911	3004-3.2-6 LV SP29035 UHM30 HX	7005-128998	3004-3.2-6 RV SP29035 UHM30 HX	3.2	29°	61°	5	0.35	UHM 30 HX
7005-148251	3004-3.2-6 LV SP29075 UHM20 HPX	7005-148249	3004-3.2-6 RV SP29075 UHM20 HPX	3.2	29°	61°	5	0.75	UHM 20 HPX
7005-138221	3004-3.2-6 LV SP29075 UHM30 HX	7005-138218	3004-3.2-6 RV SP29075 UHM30 HX	3.2	29°	61°	5	0.75	UHM 30 HX



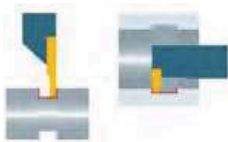
Type-SP
Chip Breaker



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



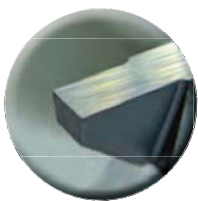
3005 Groove & Turn

Cut: Standard

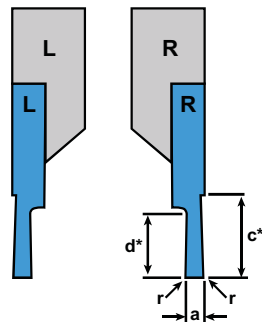
Chip Breaker: None

Repeatability <20µm

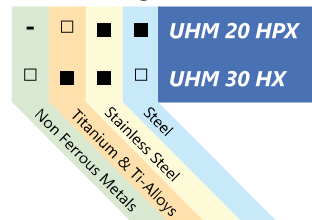
Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	d	r	Coating	
7005-148253	3005-1.0-8 L UHM20 HPX	7005-146721	3005-1.0-8 R UHM20 HPX	1	8	2.5	0.05	UHM 20 HPX	
7005-113066	3005-1.0-8 L UHM30 HX	7005-113034	3005-1.0-8 R UHM30 HX	1	8	2.5	0.05	UHM 30 HX	
7005-148255	3005-1.5-8 L UHM20 HPX	7005-146699	3005-1.5-8 R UHM20 HPX	1.5	8	3	0.05	UHM 20 HPX	
7005-126749	3005-1.5-8 L UHM30 HX	7005-126746	3005-1.5-8 R UHM30 HX	1.5	8	3	0.05	UHM 30 HX	
7005-148257	3005-2.0-8 L UHM20 HPX	7005-146696	3005-2.0-8 R UHM20 HPX	2.0	8	4	0.05	UHM 20 HPX	
7005-126752	3005-2.0-8 L UHM30 HX	7005-125945	3005-2.0-8 R UHM30 HX	2.0	8	4	0.05	UHM 30 HX	
7005-148261	3005-2.5-8 L UHM20 HPX	7005-148259	3005-2.5-8 R UHM20 HPX	2.5	8	5	0.05	UHM 20 HPX	
7005-126758	3005-2.5-8 L UHM30 HX	7005-126755	3005-2.5-8 R UHM30 HX	2.5	8	5	0.05	UHM 30 HX	
7005-148265	3005-3.0-8 L UHM20 HPX	7005-148263	3005-3.0-8 R UHM20 HPX	3.0	8	6	0.05	UHM 20 HPX	
7005-113609	3005-3.0-8 L UHM30 HX	7005-113607	3005-3.0-8 R UHM30 HX	3.0	8	6	0.05	UHM 30 HX	



*c: maximal turning capacity
*d: maximal grooving capacity



Ideal Cutting Materials



3007 Full Radius Groove

Cut: Standard

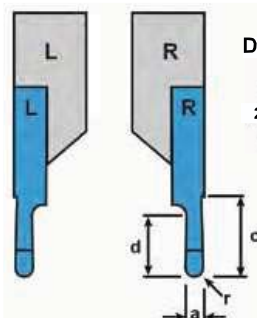
Chip Breaker: None

Repeatability = R : ■ <10µm, ■ <20µm

Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	R	a	c	d	r	Coating
7005-148388	3007-R0.25-2-10 L UHM20 HPX	7005-148390	3007-R0.25-2-10 R UHM20 HPX	■	0.5	12	2	0.25	UHM 20 HPX
7005-113518	3007-R0.25-2-10 L UHM30 HX	7005-113521	3007-R0.25-2-10 R UHM30 HX	■	0.5	12	2	0.25	UHM 30 HX
7005-148392	3007-R0.5-2.5-10 L UHM20 HPX	7005-148394	3007-R0.5-2.5-10 R UHM20 HPX	■	1	12	2.5	0.5	UHM 20 HPX
7005-113524	3007-R0.5-2.5-10 L UHM30 HX	7005-113527	3007-R0.5-2.5-10 R UHM30 HX	■	1	12	2.5	0.5	UHM 30 HX
7005-148396	3007-R0.6-2.5-10 L UHM20 HPX	7005-148398	3007-R0.6-2.5-10 R UHM20 HPX	■	1.2	12	2.5	0.6	UHM 20 HPX
7005-113530	3007-R0.6-2.5-10 L UHM30 HX	7005-113533	3007-R0.6-2.5-10 R UHM30 HX	■	1.2	12	2.5	0.6	UHM 30 HX
7005-148400	3007-R0.75-3-10 L UHM20 HPX	7005-148402	3007-R0.75-3-10 R UHM20 HPX	■	1.5	12	3	0.75	UHM 20 HPX
7005-113536	3007-R0.75-3-10 L UHM30 HX	7005-113539	3007-R0.75-3-10 R UHM30 HX	■	1.5	12	3	0.75	UHM 30 HX
7005-148404	3007-R0.8-3-10 L UHM20 HPX	7005-148406	3007-R0.8-3-10 R UHM20 HPX	■	1.6	12	3	0.8	UHM 20 HPX
7005-113542	3007-R0.8-3-10 L UHM30 HX	7005-113545	3007-R0.8-3-10 R UHM30 HX	■	1.6	12	3	0.8	UHM 30 HX
7005-148408	3007-R1.0-10 L UHM20 HPX	7005-148410	3007-R1.0-10 R UHM20 HPX	■	2	12	10	1.0	UHM 20 HPX
7005-113548	3007-R1.0-10 L UHM30 HX	7005-113551	3007-R1.0-10 R UHM30 HX	■	2	12	10	1.0	UHM 30 HX
7005-148412	3007-R1.5-10 L UHM20 HPX	7005-148414	3007-R1.5-10 R UHM20 HPX	■	3	12	10	1.5	UHM 20 HPX
7005-113554	3007-R1.5-10 L UHM30 HX	7005-113557	3007-R1.5-10 R UHM30 HX	■	3	12	10	1.5	UHM 30 HX
7005-148416	3007-R1.5-16 L UHM20 HPX	7005-148418	3007-R1.5-16 R UHM20 HPX	■	3	17	16	1.5	UHM 20 HPX
7005-114941	3007-R1.5-16 L UHM30 HX	7005-129636	3007-R1.5-16 R UHM30 HX	■	3	17	16	1.5	UHM 30 HX



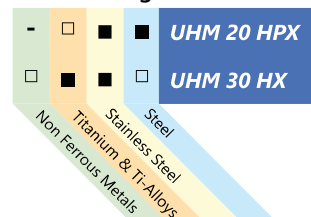
Full Radius



Detailed Tip



Ideal Cutting Materials



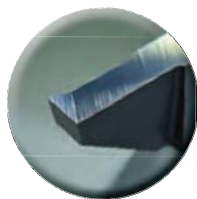


3005 Groove & Turn

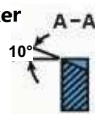
Cut: Standard
Chip Breaker: CP

Repeatability <20µm

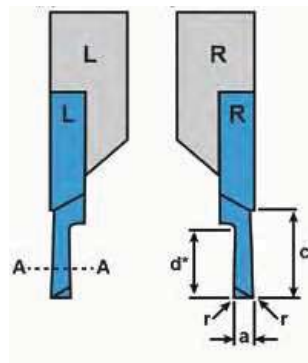
Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	d	r	Coating	
7005-148269	3005-0.8-8 L CP UHM20 HPX	7005-148267	3005-0.8-8 R CP UHM20 HPX	0.8	8	2.5	0.00	UHM 20 HPX	
7005-113070	3005-0.8-8 L CP UHM30 HX	7005-113068	3005-0.8-8 R CP UHM30 HX	0.8	8	2.5	0.00	UHM 30 HX	
7005-148274	3005-1.0-8 L CP UHM20 HPX	7005-148271	3005-1.0-8 R CP UHM20 HPX	1.0	8	3.5	0.00	UHM 20 HPX	
7005-138897	3005-1.0-8 L CP UHM30 HX	7005-113072	3005-1.0-8 R CP UHM30 HX	1.0	8	3.5	0.00	UHM 30 HX	
7005-148278	3005-1.5-8 L CP UHM20 HPX	7005-148276	3005-1.5-8 R CP UHM20 HPX	1.5	8	4	0.00	UHM 20 HPX	
7005-126761	3005-1.5-8 L CP UHM30 HX	7005-125948	3005-1.5-8 R CP UHM30 HX	1.5	8	4	0.00	UHM 30 HX	
7005-148280	3005-1.5-8 L CP R08 UHM20 HPX	7005-147055	3005-1.5-8 R CP R08 UHM20 HPX	1.5	8	4	0.08	UHM 20 HPX	
7005-139556	3005-1.5-8 L CP R08 UHM30 HX	7005-139554	3005-1.5-8 R CP R08 UHM30 HX	1.5	8	4	0.08	UHM 30 HX	
7005-148284	3005-2.0-8 L CP UHM20 HPX	7005-148282	3005-2.0-8 R CP UHM20 HPX	2.0	8	5	0.00	UHM 20 HPX	
7005-126764	3005-2.0-8 L CP UHM30 HX	7005-125951	3005-2.0-8 R CP UHM30 HX	2.0	8	5	0.00	UHM 30 HX	
7005-148286	3005-2.0-8 L CP R08 UHM20 HPX	7005-147057	3005-2.0-8 R CP R08 UHM20 HPX	2.0	8	5	0.08	UHM 20 HPX	
7005-139564	3005-2.0-8 L CP R08 UHM30 HX	7005-139562	3005-2.0-8 R CP R08 UHM30 HX	2.0	8	5	0.08	UHM 30 HX	
7005-148288	3005-2.0-8 L CP R15 UHM20 HPX	7005-146955	3005-2.0-8 R CP R15 UHM20 HPX	2.0	8	5	0.15	UHM 20 HPX	
7005-139568	3005-2.0-8 L CP R15 UHM30 HX	7005-139566	3005-2.0-8 R CP R15 UHM30 HX	2.0	8	5	0.15	UHM 30 HX	
7005-148292	3005-2.5-8 L CP UHM20 HPX	7005-148290	3005-2.5-8 R CP UHM20 HPX	2.5	8	6	0.00	UHM 20 HPX	
7005-126767	3005-2.5-8 L CP UHM30 HX	7005-125954	3005-2.5-8 R CP UHM30 HX	2.5	8	6	0.00	UHM 30 HX	
7005-148296	3005-2.5-8 L CP R08 UHM20 HPX	7005-148294	3005-2.5-8 R CP R08 UHM20 HPX	2.5	8	6	0.08	UHM 20 HPX	
7005-139595	3005-2.5-8 L CP R08 UHM30 HX	7005-139593	3005-2.5-8 R CP R08 UHM30 HX	2.5	8	6	0.08	UHM 30 HX	
7005-148300	3005-2.5-8 L CP R15 UHM20 HPX	7005-148298	3005-2.5-8 R CP R15 UHM20 HPX	2.5	8	6	0.15	UHM 20 HPX	
7005-139599	3005-2.5-8 L CP R15 UHM30 HX	7005-139597	3005-2.5-8 R CP R15 UHM30 HX	2.5	8	6	0.15	UHM 30 HX	
7005-148304	3005-3.0-8 L CP UHM20 HPX	7005-148302	3005-3.0-8 R CP UHM20 HPX	3.0	8	6	0.00	UHM 20 HPX	
7005-126773	3005-3.0-8 L CP UHM30 HX	7005-126770	3005-3.0-8 R CP UHM30 HX	3.0	8	6	0.00	UHM 30 HX	
7005-148308	3005-3.0-8 L CP R08 UHM20 HPX	7005-148306	3005-3.0-8 R CP R08 UHM20 HPX	3.0	8	6	0.08	UHM 20 HPX	
7005-139603	3005-3.0-8 L CP R08 UHM30 HX	7005-139601	3005-3.0-8 R CP R08 UHM30 HX	3.0	8	6	0.08	UHM 30 HX	
7005-148312	3005-3.0-8 L CP R15 UHM20 HPX	7005-148310	3005-3.0-8 R CP R15 UHM20 HPX	3.0	8	6	0.15	UHM 20 HPX	
7005-139607	3005-3.0-8 L CP R15 UHM30 HX	7005-139605	3005-3.0-8 R CP R15 UHM30 HX	3.0	8	6	0.15	UHM 30 HX	



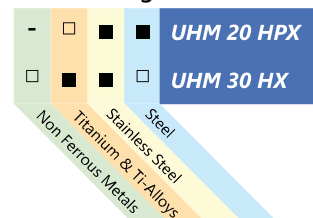
Type-CP
Chip Breaker



*c: maximal turning capacity
*d: maximal grooving capacity



Ideal Cutting Materials

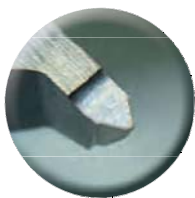


- Preferred Application
- Possible Application
- Application Not Recommended

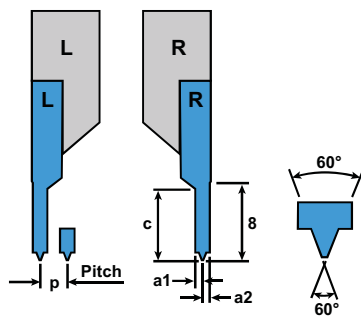


3006 Threading Profile: Full (Metric)

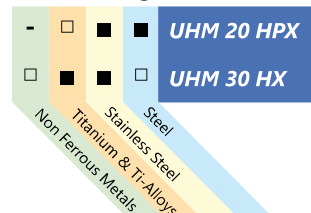
Left Hand		Right Hand		Dimensions & Features							
Item No.	Description	Item No.	Description	ISO DIN13	NIHS 06-03	NIHS 06-02	p	a ₁	a ₂	c	Coating
7005-138285	3006-0.15-10-60 VP L UHM30 HX	7005-138282	3006-0.15-10-60 VP R UHM30 HX	-	-	S 0.6	.15	.08	.08	---	UHM 30 HX
7005-138291	3006-0.175-10-60 VP L UHM30 HX	7005-138288	3006-0.175-10-60 VP R UHM30 HX	-	-	S 0.7	.175	.1	.1	---	UHM 30 HX
7005-127297	3006-0.2-10-60 VP L UHM30 HX	7005-127291	3006-0.2-10-60 VP R UHM30 HX	-	-	S 0.8	.2	.11	.11	---	UHM 30 HX
7005-138297	3006-0.225-10-60 VP L UHM30 HX	7005-138294	3006-0.225-10-60 VP R UHM30 HX	-	-	S 0.9	.225	.13	.13	---	UHM 30 HX
7005-148324	3006-0.25-10-60 VP L UHM20 HPX	7005-148322	3006-0.25-10-60 VP R UHM20 HPX	M 1/1.2	M 1/1.2	S 1/S1.2	.25	.14	.14	---	UHM 20 HPX
7005-126893	3006-0.25-10-60 VP L UHM30 HX	7005-126890	3006-0.25-10-60 VP R UHM30 HX	M 1/1.2	M 1/1.2	S 1/S1.2	.25	.14	.14	---	UHM 30 HX
7005-148328	3006-0.3-10-60 VP L UHM20 HPX	7005-148326	3006-0.3-10-60 VP R UHM20 HPX	-	M 1.4	S 1.4	.3	.17	.17	---	UHM 20 HPX
7005-127303	3006-0.3-10-60 VP L UHM30 HX	7005-127300	3006-0.3-10-60 VP R UHM30 HX	-	M 1.4	S 1.4	.3	.17	.17	---	UHM 30 HX
7005-148332	3006-0.35-10-60 VP L UHM20 HPX	7005-148330	3006-0.35-10-60 VP R UHM20 HPX	M 1.6	M 1.6/1.8	-	.35	.19	.19	---	UHM 20 HPX
7005-126788	3006-0.35-10-60 VP L UHM30 HX	7005-125957	3006-0.35-10-60 VP R UHM30 HX	M 1.6	M 1.6/1.8	-	.35	.19	.19	---	UHM 30 HX
7005-148336	3006-0.4-10-60 VP L UHM20 HPX	7005-148334	3006-0.4-10-60 VP R UHM20 HPX	M 2	M 2	-	.4	.22	.22	---	UHM 20 HPX
7005-126791	3006-0.4-10-60 VP L UHM30 HX	7005-125960	3006-0.4-10-60 VP R UHM30 HX	M 2	M 2	-	.4	.22	.22	---	UHM 30 HX
7005-148340	3006-0.45-10-60 VP L UHM20 HPX	7005-148338	3006-0.45-10-60 VP R UHM20 HPX	M 2.5	M 2.2/2.5	-	.45	.25	.25	---	UHM 20 HPX
7005-126794	3006-0.45-10-60 VP L UHM30 HX	7005-125963	3006-0.45-10-60 VP R UHM30 HX	M 2.5	M 2.2/2.5	-	.45	.25	.25	---	UHM 30 HX
7005-148344	3006-0.5-10-60 VP L UHM20 HPX	7005-148342	3006-0.5-10-60 VP R UHM20 HPX	M 3	M 3	-	.5	.35	.35	1.4	UHM 20 HPX
7005-126797	3006-0.5-10-60 VP L UHM30 HX	7005-125966	3006-0.5-10-60 VP R UHM30 HX	M 3	M 3	-	.5	.35	.35	1.4	UHM 30 HX
7005-148348	3006-0.6-10-60 VP L UHM20 HPX	7005-148346	3006-0.6-10-60 VP R UHM20 HPX	-	M 3.5	-	.6	.4	.4	1.4	UHM 20 HPX
7005-126806	3006-0.6-10-60 VP L UHM30 HX	7005-126803	3006-0.6-10-60 VP R UHM30 HX	-	M 3.5	-	.6	.4	.4	1.4	UHM 30 HX
7005-148352	3006-0.7-10-60 VP L UHM20 HPX	7005-148350	3006-0.7-10-60 VP R UHM20 HPX	M 4	M 4	-	.7	.45	.45	1.8	UHM 20 HPX
7005-126800	3006-0.7-10-60 VP L UHM30 HX	7005-125969	3006-0.7-10-60 VP R UHM30 HX	M 4	M 4	-	.7	.45	.45	1.8	UHM 30 HX
7005-148356	3006-0.75-10-60 VP L UHM20 HPX	7005-148354	3006-0.75-10-60 VP R UHM20 HPX	-	M 4.5	-	.75	.45	.45	1.9	UHM 20 HPX
7005-126815	3006-0.75-10-60 VP L UHM30 HX	7005-125978	3006-0.75-10-60 VP R UHM30 HX	-	M 4.5	-	.75	.45	.45	1.9	UHM 30 HX
7005-148360	3006-0.8-10-60 VP L UHM20 HPX	7005-148358	3006-0.8-10-60 VP R UHM20 HPX	M 5	M 5	-	.8	.5	.5	2.0	UHM 20 HPX
7005-126809	3006-0.8-10-60 VP L UHM30 HX	7005-125972	3006-0.8-10-60 VP R UHM30 HX	M 5	M 5	-	.8	.5	.5	2.0	UHM 30 HX
7005-148364	3006-1.0-10-60 VP L UHM20 HPX	7005-148362	3006-1.0-10-60 VP R UHM20 HPX	M 6/7	-	-	1.0	.55	.55	2.4	UHM 20 HPX
7005-126812	3006-1.0-10-60 VP L UHM30 HX	7005-125975	3006-1.0-10-60 VP R UHM30 HX	M 6/7	-	-	1.0	.55	.55	2.4	UHM 30 HX
7005-148368	3006-1.25-10-60 VP L UHM20 HPX	7005-148366	3006-1.25-10-60 VP R UHM20 HPX	M 8/9	-	-	1.25	.73	.73	2.9	UHM 20 HPX
7005-126818	3006-1.25-10-60 VP L UHM30 HX	7005-125982	3006-1.25-10-60 VP R UHM30 HX	M 8/9	-	-	1.25	.73	.73	2.9	UHM 30 HX
7005-148372	3006-1.5-10-60 VP L UHM20 HPX	7005-148370	3006-1.5-10-60 VP R UHM20 HPX	M 10/11	-	-	1.5	.87	.87	3.4	UHM 20 HPX
7005-126821	3006-1.5-10-60 VP L UHM30 HX	7005-125985	3006-1.5-10-60 VP R UHM30 HX	M 10/11	-	-	1.5	.87	.87	3.4	UHM 30 HX
7005-148376	3006-1.75-10-60 VP L UHM20 HPX	7005-148374	3006-1.75-10-60 VP R UHM20 HPX	M 12	-	-	1.75	.98	.98	3.9	UHM 20 HPX
7005-126824	3006-1.75-10-60 VP L UHM30 HX	7005-125988	3006-1.75-10-60 VP R UHM30 HX	M 12	-	-	1.75	.98	.98	3.9	UHM 30 HX
Call For Details	3006-2.0-10-60 VP L UHM20 HPX	Call For Details	3006-2.0-10-60 VP R UHM20 HPX	M 14/16	-	-	2.0	1.1	1.1	4.0	UHM 20 HPX
Call For Details	3006-2.0-10-60 VP L UHM30 HX	7005-140335	3006-2.0-10-60 VP R UHM30 HX	M 14/16	-	-	2.0	1.1	1.1	4.0	UHM 30 HX
Call For Details	3006-2.5-10-60 VP L UHM20 HPX	Call For Details	3006-2.5-10-60 VP R UHM20 HPX	M 18/20/22	-	-	2.5	1.4	1.4	5.0	UHM 20 HPX
Call For Details	3006-2.5-10-60 VP L UHM30 HX	Call For Details	3006-2.5-10-60 VP R UHM30 HX	M 18/20/22	-	-	2.5	1.4	1.4	5.0	UHM 30 HX
Call For Details	3006-3.0-10-60 VP L UHM20 HPX	Call For Details	3006-3.0-10-60 VP R UHM20 HPX	M 24/27	-	-	3.0	1.65	1.65	5.0	UHM 20 HPX
Call For Details	3006-3.0-10-60 VP L UHM30 HX	Call For Details	3006-3.0-10-60 VP R UHM30 HX	M 24/27	-	-	3.0	1.65	1.65	5.0	UHM 30 HX



Full Profile



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended

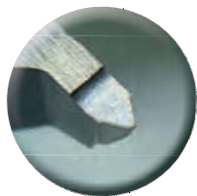


3006 Threading

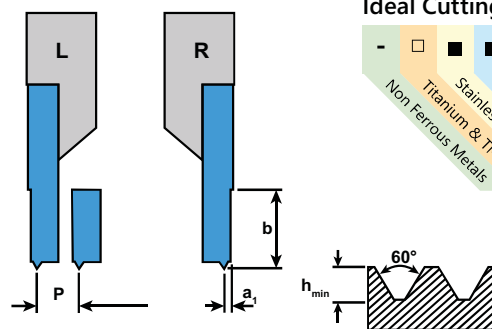
Profile: Full (Metric)
Geometry: Strengthened

Repeatability <20µm

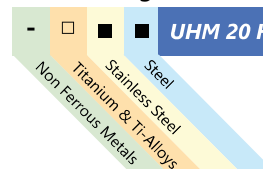
Left Hand		Right Hand		Dimensions & Features							
Item No.	Description	Item No.	Description	ISO DIN13	NIHS 06-03	NIHS 06-02	P	h _{min}	a ₁	b	Coating
Call For Details	3006-0.25-60 VP-S L UHM20 HPX	Call For Details	3006-0.25-60 VP-S R UHM20 HPX	M 1/1.2	M 1/1.2	S 1/S1.2	.25	.153	.16	8	UHM 20 HPX
Call For Details	3006-0.3-60 VP-S L UHM20 HPX	Call For Details	3006-0.3-60 VP-S R UHM20 HPX	-	M 1.4	S 1.4	.3	.184	.2	8	UHM 20 HPX
Call For Details	3006-0.35-60 VP-S L UHM20 HPX	Call For Details	3006-0.35-60 VP-S R UHM20 HPX	M 1.6	M 1.6/1.8	-	.35	.215	.23	8	UHM 20 HPX
Call For Details	3006-0.4-60 VP-S L UHM20 HPX	Call For Details	3006-0.4-60 VP-S R UHM20 HPX	M 2	M 2	-	.4	.245	.26	8	UHM 20 HPX
Call For Details	3006-0.45-60 VP-S L UHM20 HPX	Call For Details	3006-0.45-60 VP-S R UHM20 HPX	M 2.5	M 2.2/2.5	-	.45	.276	.29	8	UHM 20 HPX
Call For Details	3006-0.5-60 VP-S L UHM20 HPX	Call For Details	3006-0.5-60 VP-S R UHM20 HPX	M 3	M 3	-	.5	.307	.33	8	UHM 20 HPX
Call For Details	3006-0.6-60 VP-S L UHM20 HPX	Call For Details	3006-0.6-60 VP-S R UHM20 HPX	-	M 3.5	-	.6	.368	.39	8	UHM 20 HPX
Call For Details	3006-0.7-60 VP-S L UHM20 HPX	Call For Details	3006-0.7-60 VP-S R UHM20 HPX	M 4	M 4	-	.7	.429	.46	8	UHM 20 HPX
Call For Details	3006-0.75-60 VP-S L UHM20 HPX	Call For Details	3006-0.75-60 VP-S R UHM20 HPX	-	M 4.5	-	.75	.46	.49	8	UHM 20 HPX
Call For Details	3006-0.8-60 VP-S L UHM20 HPX	Call For Details	3006-0.8-60 VP-S R UHM20 HPX	M 5	M 5	-	.8	.491	.52	8	UHM 20 HPX
Call For Details	3006-1.0-60 VP-S L UHM20 HPX	Call For Details	3006-1.0-60 VP-S R UHM20 HPX	M 6/7	-	-	1.0	.613	.65	8	UHM 20 HPX
Call For Details	3006-1.25-60 VP-S L UHM20 HPX	Call For Details	3006-1.25-60 VP-S R UHM20 HPX	M 8/9	-	-	1.25	.767	.81	8	UHM 20 HPX
Call For Details	3006-1.5-60 VP-S L UHM20 HPX	Call For Details	3006-1.5-60 VP-S R UHM20 HPX	M 10/11	-	-	1.5	.92	.98	8	UHM 20 HPX
Call For Details	3006-1.75-60 VP-S L UHM20 HPX	Call For Details	3006-1.75-60 VP-S R UHM20 HPX	M 12	-	-	1.75	1.073	1.14	8	UHM 20 HPX
Call For Details	3006-2.0-60 VP-S L UHM20 HPX	Call For Details	3006-2.0-60 VP-S R UHM20 HPX	M 14/16	-	-	2.0	1.227	1.3	8	UHM 20 HPX



Full Profile
Strengthened



Ideal Cutting Materials



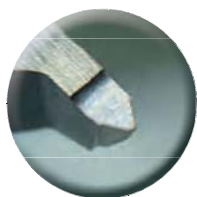
- Preferred Application
- Possible Application
- Application Not Recommended



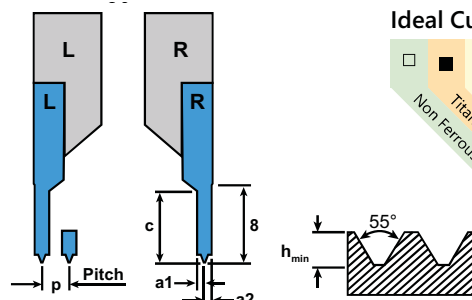
3006 Threading - Pipe Thread

Profile: Full

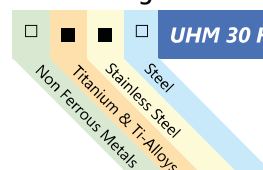
Left Hand		Right Hand		Dimensions & Features							
Item No.	Description	Item No.	Description	TPI	ANSI B1.1	p	h_{min}	a_1	a_2	c	Coating
Call For Details	3006-G 28 10-55 VP L UHM30 HX	Call For Details	3006-G 28 10-55 VP R UHM30 HX	28	1/8-1/16	0.907	.581	.5	.5	2.3	UHM 30 HX
7005-113928	3006-G 19 10-55 VP L UHM30 HX	7005-113906	3006-G 19 10-55 VP R UHM30 HX	19	1/4-3/8	1.337	.856	.74	.74	3.3	UHM 30 HX
Call For Details	3006-G 14 10-55 VP L UHM30 HX	Call For Details	3006-G 14 10-55 VP R UHM30 HX	14	1/2-7/8	1.814	1.162	1	1	4.5	UHM 30 HX
7005-113932	3006-G 11 10-55 VP L UHM30 HX	7005-113911	3006-G 11 10-55 VP R UHM30 HX	11	1-6	2.309	1.479	1.27	1.27	5	UHM 30 HX



Full Profile
Pipe Thread



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



3006 Threading - UNC & UNF

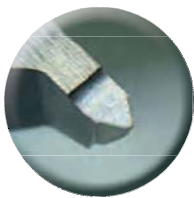
Profile: Full

Repeatability = R : ■ <10μm, ■ <20μm

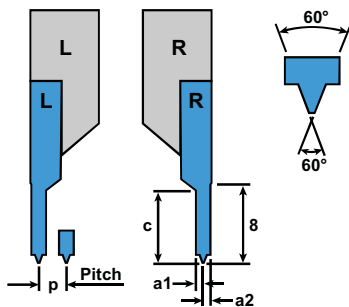
Left Hand		Dimensions & Features												
Item No.	Description	R	TPI	p	a ₁	a ₂	c	Coating	UN	UNC	UNF	UNEF	UNS	UNR
Call For Details	3006-80 UN 10-60 VP L UHM30 HX	■	80	0.317	0.19	0.17	-	UHM 30 HX			■			
Call For Details	3006-72 UN 10-60 VP L UHM30 HX	■	72	0.353	0.21	0.19	-	UHM 30 HX			■			
Call For Details	3006-64 UN 10-60 VP L UHM30 HX	■	64	0.397	0.24	0.22	-	UHM 30 HX		■	■			
Call For Details	3006-56 UN 10-60 VP L UHM30 HX	■	56	0.453	0.27	0.25	-	UHM 30 HX		■	■		■	
7005-114270	3006-48 UN 10-60 VP L UHM30 HX	■	48	.529	0.29	0.29	1.4	UHM 30 HX		■	■		■	
7005-114334	3006-44 UN 10-60 VP L UHM30 HX	■	44	.577	0.32	0.32	1.4	UHM 30 HX			■			
7005-139502	3006-40 UN 10-60 VP L UHM30 HX	■	40	.635	0.35	0.35	1.8	UHM 30 HX		■	■		■	
7005-114342	3006-36 UN 10-60 VP L UHM30 HX	■	36	.705	0.39	0.39	1.8	UHM 30 HX			■		■	
7005-114278	3006-32 UN 10-60 VP L UHM30 HX	■	32	.794	0.44	0.44	2	UHM 30 HX		■	■	■		■
7005-114350	3006-28 UN 10-60 VP L UHM30 HX	■	28	.907	0.5	0.5	2.2	UHM 30 HX		■	■		■	■
7005-114286	3006-24 UN 10-60 VP L UHM30 HX	■	24	1.058	0.58	0.58	2.4	UHM 30 HX		■	■	■	■	
7005-114294	3006-20 UN 10-60 VP L UHM30 HX	■	20	1.27	0.7	0.7	2.9	UHM 30 HX	■	■	■	■		■
7005-114298	3006-18 UN 10-60 VP L UHM30 HX	■	18	1.411	0.78	0.78	3.4	UHM 30 HX		■	■	■	■	
7005-114302	3006-16 UN 10-60 VP L UHM30 HX	■	16	1.588	0.87	0.87	3.6	UHM 30 HX	■	■	■	■	■	■
7005-114306	3006-14 UN 10-60 VP L UHM30 HX	■	14	1.814	1	1	3.9	UHM 30 HX		■	■		■	
7005-114310	3006-13 UN 10-60 VP L UHM30 HX	■	13	1.954	1.07	1.07	4.2	UHM 30 HX		■				

Repeatability = R : ■ <10μm, ■ <20μm

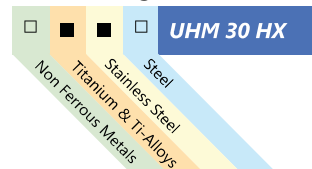
Right Hand		Dimensions & Features												
Item No.	Description	R	TPI	p	a ₁	a ₂	c	Coating	UN	UNC	UNF	UNEF	UNS	UNR
7005-114316	3006-80 UN 10-60 VP R UHM30 HX	■	80	0.317	0.19	0.17	-	UHM 30 HX			■			
7005-114320	3006-72 UN 10-60 VP R UHM30 HX	■	72	0.353	0.21	0.19	-	UHM 30 HX			■			
7005-114264	3006-64 UN 10-60 VP R UHM30 HX	■	64	0.397	0.24	0.22	-	UHM 30 HX		■	■			
7005-114268	3006-56 UN 10-60 VP R UHM30 HX	■	56	0.453	0.27	0.25	-	UHM 30 HX		■	■		■	
7005-114272	3006-48 UN 10-60 VP R UHM30 HX	■	48	.529	0.29	0.29	1.4	UHM 30 HX		■	■		■	
7005-114336	3006-44 UN 10-60 VP R UHM30 HX	■	44	.577	0.32	0.32	1.4	UHM 30 HX			■			
7005-139500	3006-40 UN 10-60 VP R UHM30 HX	■	40	.635	0.35	0.35	1.8	UHM 30 HX		■	■		■	
7005-114344	3006-36 UN 10-60 VP R UHM30 HX	■	36	.705	0.39	0.39	1.8	UHM 30 HX			■		■	
7005-114280	3006-32 UN 10-60 VP R UHM30 HX	■	32	.794	0.44	0.44	2	UHM 30 HX		■	■	■		■
7005-114352	3006-28 UN 10-60 VP R UHM30 HX	■	28	.907	0.5	0.5	2.2	UHM 30 HX		■	■		■	■
7005-114288	3006-24 UN 10-60 VP R UHM30 HX	■	24	1.058	0.58	0.58	2.4	UHM 30 HX		■	■	■	■	
7005-114296	3006-20 UN 10-60 VP R UHM30 HX	■	20	1.27	0.7	0.7	2.9	UHM 30 HX	■	■	■	■		■
7005-114300	3006-18 UN 10-60 VP R UHM30 HX	■	18	1.411	0.78	0.78	3.4	UHM 30 HX		■	■	■	■	
7005-114304	3006-16 UN 10-60 VP R UHM30 HX	■	16	1.588	0.87	0.87	3.6	UHM 30 HX	■	■	■	■	■	■
7005-114308	3006-14 UN 10-60 VP R UHM30 HX	■	14	1.814	1	1	3.9	UHM 30 HX		■	■		■	
7005-114312	3006-13 UN 10-60 VP R UHM30 HX	■	13	1.954	1.07	1.07	4.2	UHM 30 HX		■				



Full Profile
UNC UNF



Ideal Cutting Materials



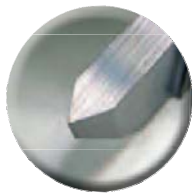
- Preferred Application
- Possible Application
- Application Not Recommended



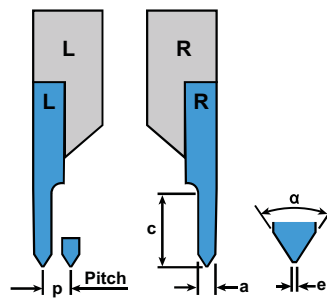
3006 Threading

Profile: Partial

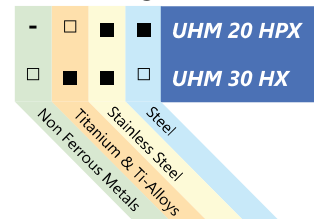
Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	α	p	e	Coating
7005-148316	3006-2-6-60 L UHM20 HPX	7005-148314	3006-2-6-60 R UHM20 HPX	2	6	60	0.25-2.0	.035	UHM 20 HPX
7005-126779	3006-2-6-60 L UHM30 HX	7005-126776	3006-2-6-60 R UHM30 HX	2	6	60	0.25-2.0	.035	UHM 30 HX
Call For Details	3006-2-6-55 L UHM20 HPX	Call For Details	3006-2-6-55 R UHM20 HPX	2	6	55	0.25-2.0	.035	UHM 20 HPX
7005-139978	3006-2-6-55 L UHM30 HX	7005-139975	3006-2-6-55 R UHM30 HX	2	6	55	0.25-2.0	.035	UHM 30 HX
7005-148320	3006-3-10-60 L UHM20 HPX	7005-148318	3006-3-10-60 R UHM20 HPX	3	10	60	0.25-2.0	.035	UHM 20 HPX
7005-126785	3006-3-10-60 L UHM30 HX	7005-126782	3006-3-10-60 R UHM30 HX	3	10	60	0.25-2.0	.035	UHM 30 HX
Call For Details	3006-3-10-55 L UHM20 HPX	Call For Details	3006-3-10-55 R UHM20 HPX	3	10	55	0.25-2.0	.035	UHM 20 HPX
7005-139984	3006-3-10-55 L UHM30 HX	7005-139981	3006-3-10-55 R UHM30 HX	3	10	55	0.25-2.0	.035	UHM 30 HX



Partial Profile



Ideal Cutting Materials



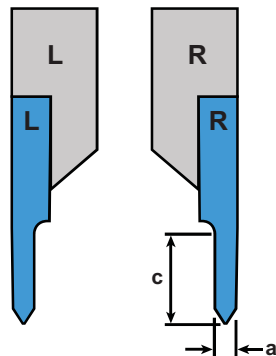
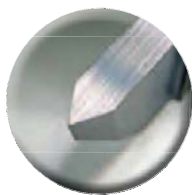
- Preferred Application
- Possible Application
- Application Not Recommended



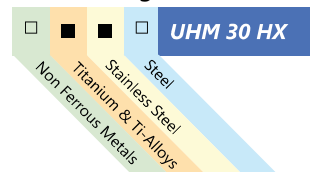
3012 Chamfering

Repeatability <20μm

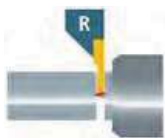
Left Hand		Right Hand		Dimensions & Features					
Item No.	Description	Item No.	Description	a	c	e	α	β	Coating
7005-113625	3012-2-6-60 L UHM30 HX	7005-113623	3012-2-6-60 R UHM30 HX	2	2	.035	60°	60°	UHM 30 HX
7005-113175	3012-2-10-45 L UHM30 HX	7005-113177	3012-2-10-45 R UHM30 HX	2	10	-	45°	90°	UHM 30 HX



Ideal Cutting Materials



- Preferred Application
- Possible Application
- Application Not Recommended



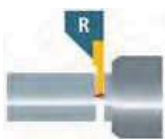
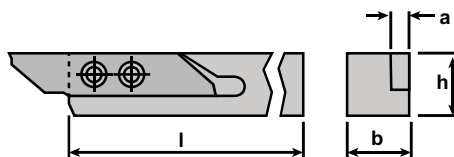
3000 Holder

Type: Standard

Coolant-Thru: None

Repeatability = R : ■ <20µm, ■ <50µm

Left Hand		Right Hand		Dimensions & Features				
Item No.	Description	Item No.	Description	R	b	h	l	a
7005-112738	3000-08x80 L	7005-112736	3000-08x80 R	■	8	8	80	3.5
7005-126600	3000-08x100 L	7005-125767	3000-08x100 R	■	8	8	100	3.5
7005-112739	3000-10x80 L	7005-112737	3000-10x80 R	■	10	10	80	3.5
7005-126601	3000-10x100 L	7005-125989	3000-10x100 R	■	10	10	100	3.5
7005-126602	3000-12x100 L	7005-125240	3000-12x100 R	■	12	12	100	3.5
7005-126603	3000-16x125 L	7005-125990	3000-16x125 R	■	16	16	125	3.5
7005-126604	3000-20x125 L	7005-125991	3000-20x125 R	■	20	20	125	3.5
7005-137150	3000-20x150 L	7005-137151	3000-20x150 R	■	20	20	150	3.5
7005-112741	3000-3/8"x80 L	7005-112740	3000-3/8"x80 R	■	.375"	.375"	80	3.5
7005-127392	3000-3/8"x100 L	7005-127393	3000-3/8"x100 R	■	.375"	.375"	100	3.5
7005-127390	3000-1/2"x100 L	7005-127391	3000-1/2"x100 R	■	.500"	.500"	100	3.5
7005-139761	3000-5/8"x125 L	7005-139760	3000-5/8"x125 R	■	.625"	.625"	125	3.5
7005-146545	3000-3/4"x125 L	7005-146544	3000-3/4"x125 R	■	.750"	.750"	125	3.5
Call For Details	3000 B-10x100 L	7005-125989	3000 B-10x100 R	■	10	10	100	3
Call For Details	3000 B-12x100 L	7005-125240	3000 B-12x100 R	■	12	12	100	3
Call For Details	3000 B-16x125 L	7005-125990	3000 B-16x125 R	■	16	16	125	3



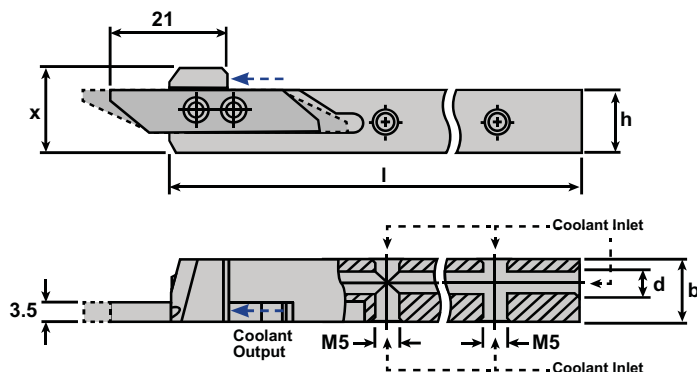
3000 Holder Coolant-Thru

Type: Standard

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions & Features					Coolant Fittings	
Item No.	Description	Item No.	Description	h	b	l	x	(d)	Side	Rear
7005-146053A	3000-08x100 L IC	7005-146039A	3000-08x100 R IC	8	12	100	12.2	M5	4005-000111	4005-000111
7005-146054A	3000-10x100 L IC	7005-146052A	3000-10x100 R IC	10	12	100	14	M5	4005-000111	4005-000111
7005-146055A	3000-12x100 L IC	7005-129797A	3000-12x100 R IC	12	12	100	16	M5	4005-000111	4005-000111
7005-146056A	3000-16x125 L IC	7005-146046A	3000-16x125 R IC	16	16	125	20	G 1/8"	4005-000111	4005-000104
7005-146058A	3000-20x125 L IC	7005-146057A	3000-20x125 R IC	20	20	125	24	G 1/8"	4005-000111	4005-000104
7005-146060A	3000-25x125 L IC	7005-146059A	3000-25x125 R IC	25	25	125	29	G 1/8"	4005-000111	4005-000104
7005-146061A	3000-3/8"x100 L IC	7005-146062A	3000-3/8"x100 R IC	.375"	.375"	100	13.5	M5	4005-000111	4005-000111
7005-129805A	3000-1/2"x100 L IC	7005-129802A	3000-1/2"x100 R IC	.500"	.500"	100	16.7	M5	4005-000111	4005-000111
7005-129806A	3000-5/8"x125 L IC	7005-129803A	3000-5/8"x125 R IC	.625"	.625"	125	19.9	G 1/8"	4005-000111	4005-000104
7005-129807A	3000-3/4"x125 L IC	7005-129804A	3000-3/4"x125 R IC	.750"	.750"	125	23	G 1/8"	4005-000111	4005-000104



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



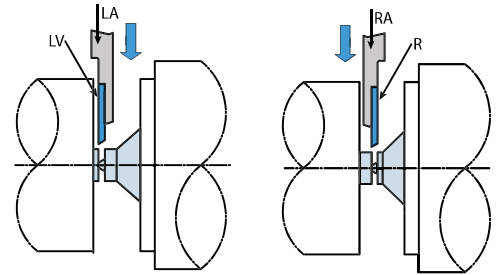
4005-000104

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.

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.

multidec® CUT 3000 Offset Shank & Insert Holders

Shifted holders enable the cutting of short parts by enabling the cutting edge to move closer to the guide bushing thus reducing the chance for deflection.

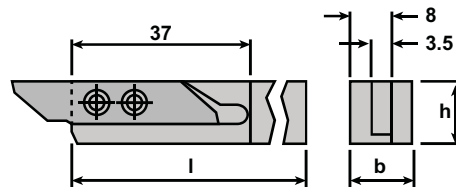


3000 Holder

Type: Offset Shank & Insert
Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions		
Item No.	Description	Item No.	Description	b	h	l
7005-112743	3000-10x80 LA	7005-112742	3000-10x80 RA	10	10	80
7005-138860	3000-10x100 LA	7005-138858	3000-10x100 RA	10	10	100
7005-127929	3000-12x100 LA	7005-127927	3000-12x100 RA	12	12	100
7005-127930	3000-16x125 LA	7005-127928	3000-16x125 RA	16	16	125
7005-112745	3000-3/8"x80 LA	7005-112744	3000-3/8"x80 RA	.375"	.375"	80
7005-138411	3000-3/8"x100 LA	7005-138410	3000-3/8"x100 RA	.375"	.375"	100
7005-138413	3000-1/2"x100 LA	7005-138412	3000-1/2"x100 RA	.500"	.500"	100
7005-139763	3000-5/8"x125 LA	7005-139762	3000-5/8"x125 RA	.625"	.625"	125

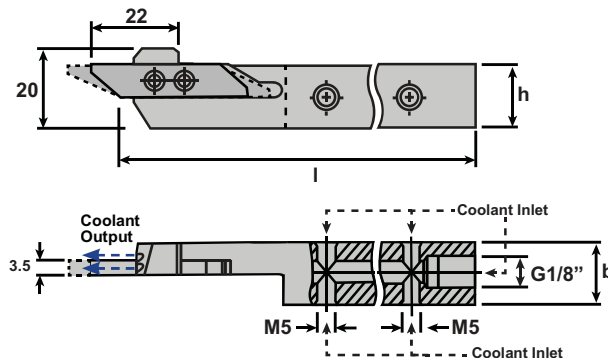


3000 Holder Coolant-Thru

Type: Offset Shank & Insert
Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions			Rear Port	Side Ports
Item No.	Description	Item No.	Description	b	h	l	G1/8in	M5
7005-150276A	3000-16x125 LA IC	Call For Details	3000-16x125 RA IC	16	16	125	4005-000104	4005-000111
7005-150277A	3000-5/8"x125 LA IC	Call For Details	3000-5/8"x125 RA IC	.625"	.625"	125	4005-000104	4005-000111



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.

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.

multidec®-CUT 3000 Offset Shank Holders

Offset holders include clearances for extended nose guide bushings or for subspindle/pickoff clearance thus providing an ideal cutoff situation in tough applications.



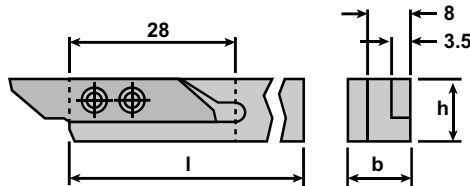
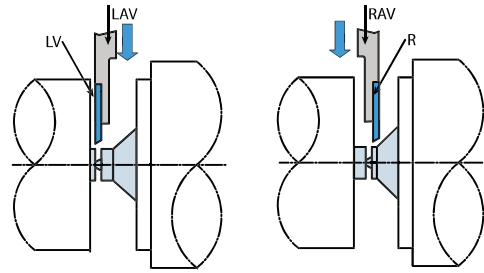
3000 Holder

Type: Offset Shank

Coolant-Thru: None

Repeatability <20µm

Left Hand		Right Hand		Dimensions		
Item No.	Description	Item No.	Description	b	h	l
7005-112747	3000-10x80 LAV	7005-112746	3000-10x80 RAV	10	10	80
7005-138842	3000-10x100 LAV	7005-138848	3000-10x100 RAV	10	10	100
7005-138843	3000-12x100 LAV	7005-138849	3000-12x100 RAV	12	12	100
7005-138844	3000-16x125 LAV	7005-138850	3000-16x125 RAV	16	16	125
7005-112749	3000-3/8"x80 LAV	7005-112748	3000-3/8"x80 RAV	.375"	.375"	80
7005-138869	3000-3/8"x100 LAV	7005-138868	3000-3/8"x100 RAV	.375"	.375"	100
7005-138871	3000-1/2"x100 LAV	7005-138870	3000-1/2"x100 RAV	.500"	.500"	100
7005-139768	3000-5/8"x125 LAV	7005-139764	3000-5/8"x125 RAV	.625"	.625"	125



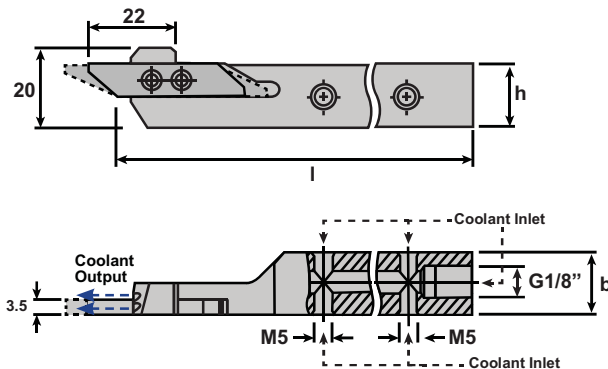
3000 Holder Coolant-Thru

Type: Offset Shank

Coolant-Thru: Rear & Side Ports

Repeatability <10µm

Left Hand		Right Hand		Dimensions			Rear Port	Side Ports
Item No.	Description	Item No.	Description	b	h	l	G1/8in	M5
7005-150279A	3000-16x125 LAV IC	7005-150281A	3000-16x125 RAV IC	16	16	125	4005-000104	4005-000111
Call For Details	3000-5/8"x125 LAV IC	Call For Details	3000-5/8"x125 RAV IC	.625"	.625"	125	4005-000104	4005-000111



4005-000111

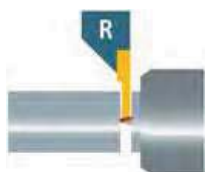
Connects to side ports on ALL Shank sizes
0° Male Union - M5-0.8 to 1/4 JIC Flare Fitting
Included With All Coolant-Thru Shanks



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.

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.



3000 Holder Combi

Type: Standard

Coolant-Thru: None

Repeatability <20µm

**Mount Inserts From
The Opposite Side**

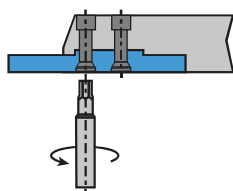
Left Hand		Right Hand		Dimensions			
Item No.	Description	Item No.	Description	b	h	l	a
7005-126605	3000-08x100 L C	7005-126195	3000-08x100 R C	8	8	100	3.5
7005-126606	3000-10x100 L C	7005-126155	3000-10x100 R C	10	10	100	3.5
7005-126607	3000-12x100 L C	7005-126156	3000-12x100 R C	12	12	100	3.5
7005-126608	3000-16x125 L C	7005-126157	3000-16x125 R C	16	16	125	3.5
7005-126609	3000-20x125 L C	7005-126158	3000-20x125 R C	20	20	125	3.5
7005-113088	3000-3/8"x100 L C	7005-113085	3000-3/8"x100 R C	.375"	.375"	100	3.5
7005-113089	3000-1/2"x100 L C	7005-113086	3000-1/2"x100 R C	.500"	.500"	100	3.5
7005-113090	3000-5/8"x125 L C	7005-113087	3000-5/8"x125 R C	.625"	.625"	125	3.5
7005-113892	3000-3/4"x125 L C	7005-113891	3000-3/4"x125 R C	.750"	.750"	125	3.5



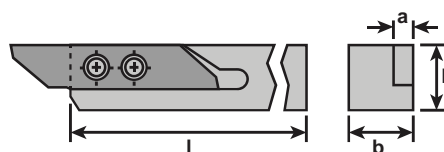
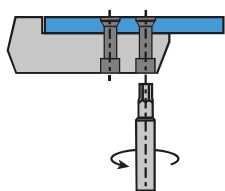
multidec®-CUT 3000...C Combi Holders

3000 Series Combi holders allow the insert fixing screws to be mounted from the opposite side of the holder using tapped bushings, making it easier to change inserts.

3000 Series Standard



3000 Series Combi



3000 Holder Coolant-Thru

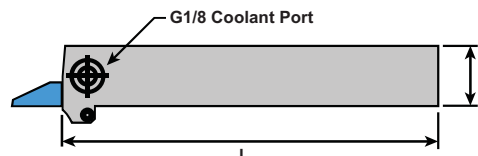
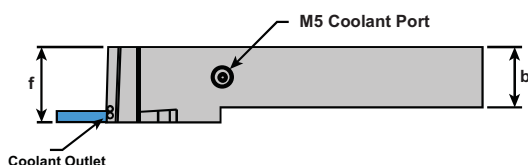
Type: Standard

Coolant-Thru: Sides



**Coolant-Thru
For Lathe Tooling**

Left Hand		Right Hand		Dimensions				Coolant Fittings	
Item No.	Description	Item No.	Description	b	h	l	f	G1/8in	M5
Call For Details	3000 AK-16x125 L IC	Call For Details	3000 AK-16x125 R IC	16	16	125	20	4005-000104	4005-000111
Call For Details	3000 AK-20x125 L IC	Call For Details	3000 AK-20x125 R IC	20	20	125	25	4005-000104	4005-000111
Call For Details	3000 AK-25x125 L IC	Call For Details	3000 AK-25x125 R IC	25	25	125	32	4005-000104	4005-000111
Call For Details	3000 AK-5/8"x125 L IC	7005-153611	3000 AK-5/8"x125 R IC	5/8"	5/8"	125	20	4005-000104	4005-000111
Call For Details	3000 AK-3/4"x125 L IC	7005-153612	3000 AK-3/4"x125 R IC	3/4"	3/4"	125	25	4005-000104	4005-000111
Call For Details	3000 AK-1"x125 L IC	Call For Details	3000 AK-1"x125 R IC	1"	1"	125	32	4005-000104	4005-000111



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