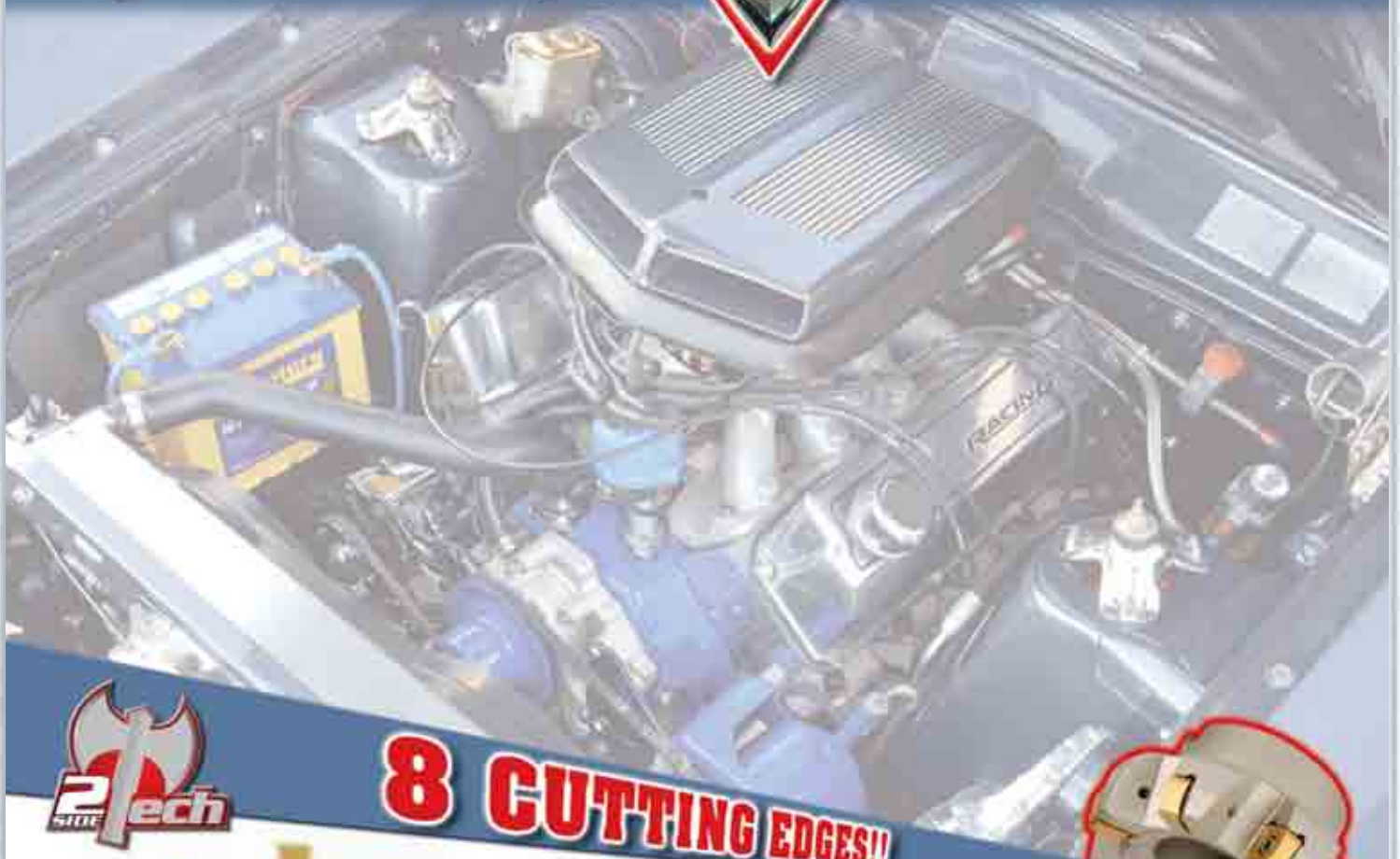


ISO PLUS 45° and 15°

Speed & Productivity in a  **Powerhouse Cutter!!**



8 CUTTING EDGES!!



Two Sided Technology is incorporated to the ISO Quad inserts for an Ingersoll Exclusive product named ISO PLUS. Users benefit by doubling their cutting edges from 4 to 8 while also taking advantage of clean shearing pressed rake face performance for ideal machining efficiency.

Features and Benefits

- **Thick and robust insert adds durability to demanding cutting conditions**
- **Strong corner configuration for heavy duty roughing**
- **.050 wiper flat for good surface finishes**
- **Same insert fits both 45 & 15 degree lead cutter**

ISOPLUS 45° FACE MILL SERIES DN6H/DN5H

Diameters
2.000"-6.000"

Depth of Cut
.235"



Facing



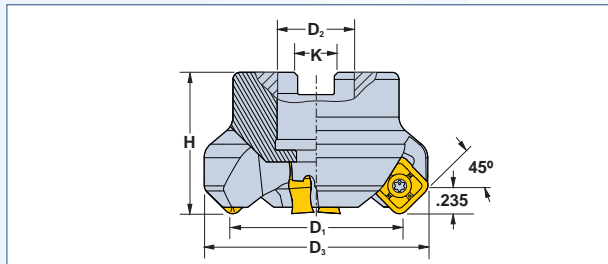
Lead Angle



Chamfering



Coolant



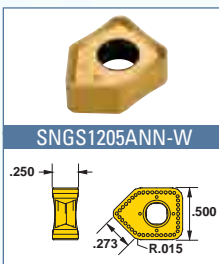
Cutter Number	D ₁ Nominal Diameter	D ₃ Overall Diameter	D ₂ Bore Size	K Keyway	H Height	Number of Inserts	Coolant	SHCS	SHCS w/ Coolant thru*
Medium Density									
DN6H-20R01	2.000	2.57	0.750	0.31	1.750	4	Yes	SD-06-46	SD-06-89
DN6H-25R01	2.500	3.07	1.00	0.37	1.750	6	Yes	SD-08-46	SD-08-92
DN6H-30R01	3.000	3.57	1.00	0.37	1.750	7	Yes	SD-08-46	SD-08-92
DN6H-40R01	4.000	4.57	1.50	0.62	2.375	8	Yes	SD-12-82	SD-12-99
NEW! DN6H-50R01	5.000	3.57	1.50	0.62	2.375	9	Yes	SD-12-82	SD-12-99
DN6H-60R01	6.000	6.57	1.50	0.62	2.000	12	No	-	-
High Density									
DN5H-20R01	2.000	2.57	0.750	0.31	1.750	6	Yes	SD-06-46	SD-06-89
DN5H-25R01	2.500	3.07	1.00	0.37	1.750	8	Yes	SD-08-46	SD-08-92
DN5H-30R01	3.000	3.57	1.00	0.37	1.750	10	Yes	SD-08-46	SD-08-92
DN5H-40R01	4.000	4.57	1.50	0.62	2.375	12	Yes	SD-12-82	SD-12-99
DN5H-60R01	6.000	6.57	1.50	0.62	2.000	20	No	-	-

*Order Separately

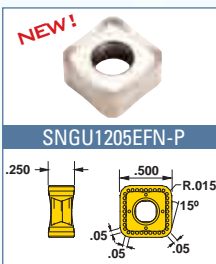
INSERTS



SNGU1205ENN



SNGS1205ANN-W



NEW! SNGU1205EFN-P

Insert Number	Application	Grades							
		IN	2010	2030	2505	2010	62C	DD15	10K
SNGU1205ENN	Multi-Purpose	■	■	■	■	■	■	■	■
SNGS1205ANN-W	Wiper			■	■	■			
NEW! SNGU1205EFN-P	Aluminum								■

**Faceted corner simulates R.093

HARDWARE

Insert Screw

Part No.	Torque
SM40-100-R0	35 in. lbs.

Driver

Part No.
DS-T15T

Optional Torque Wrench

Part No.
DT-35-02

Torx Bit

Part No.
DS-T15B1

ISOPLUS 15° FACE MILL SERIES DL6H/DL5H

Diameters
2.000"-6.000"

Depth of Cut
.355"



Facing



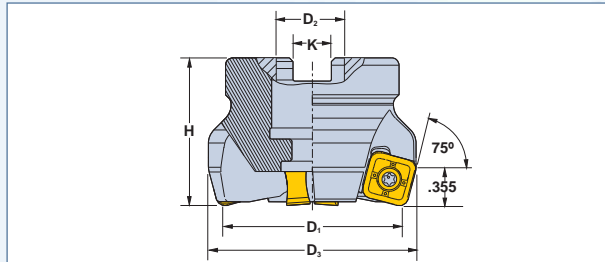
Lead Angle



Chamfering



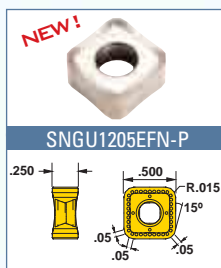
Coolant



Cutter Number	D ₁ Nominal Diameter	D ₃ Overall Diameter	D ₂ Bore Size	K Keyway	H Height	Number of Inserts	Coolant	SHCS	SHCS w/ Coolant thru*
Medium Density									
DL6H-20R01	2.000	2.30	0.750	0.31	1.750	4	Yes	SD-06-46	SD-06-89
DL6H-25R01	2.500	2.80	1.00	0.37	1.750	6	Yes	SD-08-46	SD-08-92
DL6H-30R01	3.000	3.30	1.00	0.37	1.750	7	No	-	-
DL6H-40R01	4.000	4.30	1.50	0.62	2.000	8	No	-	-
DL6H-60R01	6.000	6.30	1.50	0.62	2.000	12	No	-	-
High Density									
DL5H-20R01	2.000	2.30	0.750	0.31	1.750	6	Yes	SD-06-46	SD-06-89
DL5H-25R01	2.500	2.80	1.00	0.37	1.750	8	Yes	SD-08-46	SD-08-92
DL5H-30R01	3.000	3.30	1.00	0.37	1.750	10	No	-	-
DL5H-40R01	4.000	4.30	1.50	0.62	2.000	12	No	-	-
DL5H-60R01	6.000	6.30	1.50	0.62	2.000	20	No	-	-

*Order Separately

INSERTS



Insert Number	Application	Grades					
		IN	2010	2030	2505	DD15	10K
SNGU1205ENN	Multi-Purpose	■	■	■	■		
SNGU1205EFN-P	Aluminum						■

**Faceted corner simulates R.093

HARDWARE

Insert Screw	Driver	Optional Torque Wrench	Torx Bit
Part No.	Part No.	Part No.	Part No.
SM40-100-R0	DS-T15T	DT-35-02	DS-T15B1

OPERATING GUIDELINES

Series DN5H/DN6H, DL5H/DL6H		Grades						Coolant		
Material	Brinell Hardness	SFM	Feed per Insert	T0K	IN2010	IN2030	IN2505		IN62C	INDD15
Aluminum	7075 - T6, 6061 - T6, 2024	-	1500-10000	.004-.020	1					Yes
Cast Iron	Gray	150-250	300-1000	.006-.018		1		W	2	No
	Nodular		300-600	.006-.018		1		W	2	No
Steel	Low Carbon 1018, 8620	100-250	400-1000	.006-.018						No
	High Carbon F-6180	250-400	350-500	.006-.015		1	2			No
	Alloyed Steel 4140, 4340	150-300	300-800	.006-.018						No
	Tool Steel A-6, D-1, D-2	Up to 300								No
Stainless Steel	300 Series, 304, 316	-	300-700	.004-.012						May not be required at High Speeds
	400 Series 15-5 PH	Up to 320	400-700			1	2			
	13-8 PH	-	200-400							Yes
Nickel Alloys	Inconel, Hastelloy, Waspalloy	-	75-120	.003-.006			2	1		Yes
Titanium	6AL-4V	-	100-150	.004-.008			1	2		Yes

W=WIPER