

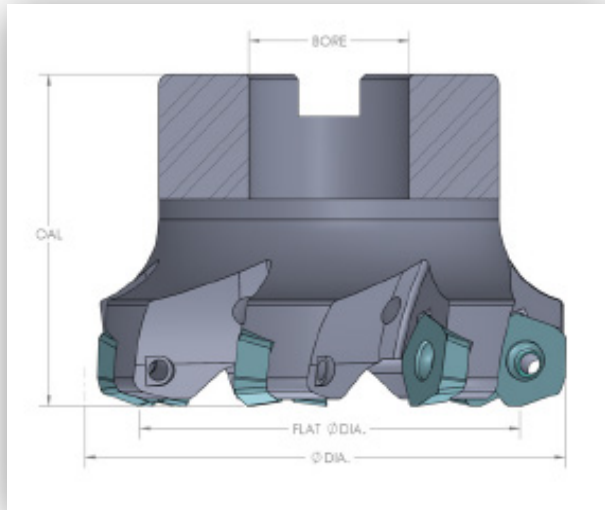


*Custom Engineering for  
Those That Expect More!*



# MILLING PRODUCT CATALOG





# ICE-PD520

*Lower HP Feed Milling*

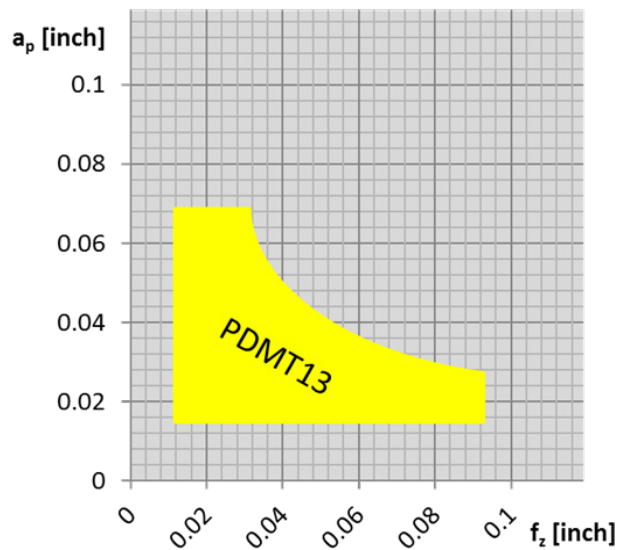
**Type: HIGH FEED (HF)**  
**Insert: PD13 (Pentagon)**  
**Angle: 90°**

## CUTTERS

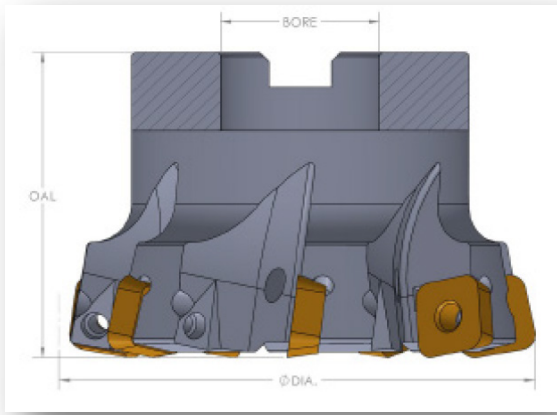
PART NUMBER	DIA	BORE	OAL	FLUTES
HF 1.50 PD13 3 0.50 2.00 C	1.50	0.50	2.00	3
HF 2.00 PD13 4 0.75 2.00 C	2.00	0.75	2.00	4
HF 2.00 PD13 5 0.75 2.00 C	2.00	0.75	2.00	5
HF 2.50 PD13 5 1.00 2.00 C	2.50	0.75	2.00	5
HF 3.00 PD13 5 1.00 2.00 C	3.00	1.00	2.00	5
HF 3.00 PD13 7 1.00 2.00 C	3.00	1.00	2.00	7
HF 4.00 PD13 6 1.25 2.00 C	4.00	1.25	2.00	6
HF 4.00 PD13 9 1.25 2.00 C	4.00	1.25	2.00	9

## INSERTS

INSERT	GRADE
PDMT 1305ZDSR-SAM	IC4225
PDMT 1305ZDSR-SAM	IP1030
PDMT 1305ZDSR-SAM	IP1215
PDMT 1305ZDSR-SAM	IP315



**SCREW REQUIRED: T15 M4 x 12mm**



# ICE-SD410

*Medium-High HP Feed Milling*

**Type: HIGH FEED (HF)**

**Insert: SD12/SD15 (Square)**

**Angle: 10°**

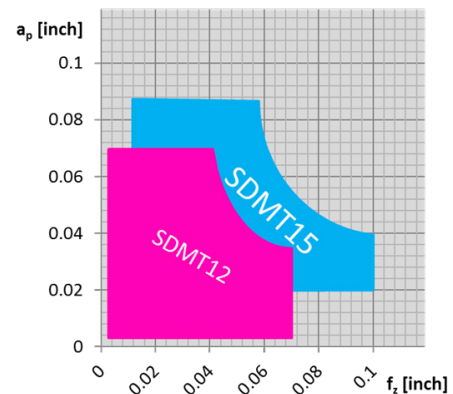
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D

## CUTTERS

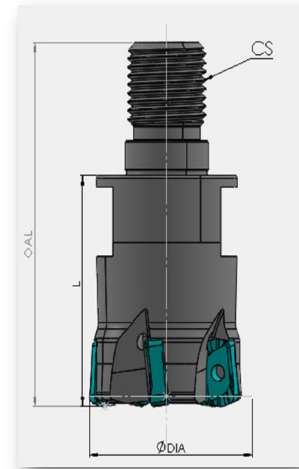
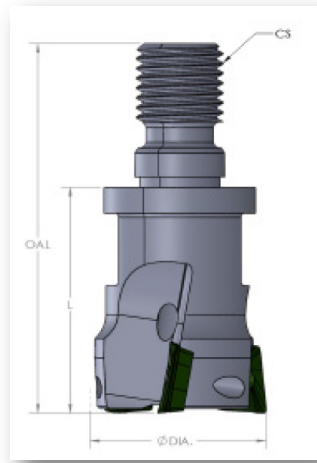
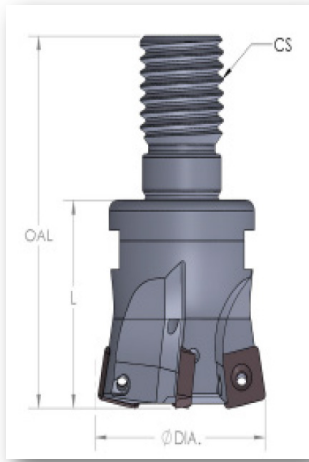
PART NUMBER	DIA	BORE	OAL	FLUTES
HF 1.50 SD12 3 0.50 2.00 C	1.50	0.50	2.00	3
HF 2.00 SD12 4 0.75 2.00 C	2.00	0.75	2.00	4
HF 2.00 SD12 5 0.75 2.00 C	2.00	0.75	2.00	5
HF 2.50 SD12 5 0.75 2.00 C	2.50	0.75	2.00	5
HF 2.50 SD12 5 1.00 2.00 C	2.50	1.00	2.00	5
HF 3.00 SD12 5 1.00 2.00 C	3.00	1.00	2.00	5
HF 3.00 SD12 7 1.00 2.00 C	3.00	1.00	2.00	7
HF 3.00 SD12 5 1.25 2.00 C	3.00	1.25	2.00	5
HF 3.00 SD12 7 1.25 2.00 C	3.00	1.25	2.00	7
HF 4.00 SD12 6 1.25 2.00 C	4.00	1.25	2.00	6
HF 4.00 SD12 9 1.25 2.00 C	4.00	1.25	2.00	9
HF 4.00 SD12 9 1.50 2.50 C	4.00	1.50	2.50	9
HF 4.00 SD15 7 1.50 2.50 C	4.00	1.50	2.50	7
HF 7.00 SD15 8 1.50 2.25 NC	6.00	1.50	2.25	8
HF 8.00 SD15 11 2.00 2.25 NC	8.00	2.00	2.25	11

## INSERTS

INSERT	GRADE
SDMT120420-ST	ICE 20
SDMT120412-OPM	IP1205H
SDMT120412-OPM	IP1215
SDMT120412-OSM	IP1215



**SCREW REQUIRED: T15 M4 x 12mm**



## ICE-SD210

Type: HIGH FEED (HF)  
 Insert: SD12 (Square)  
 Angle: 10°

## ICE-AP290

Type: SHOULDER MILL (SM) Insert:  
 AP11 (85° Parallelogram)  
 Angle: 90°

## ICE-LN420

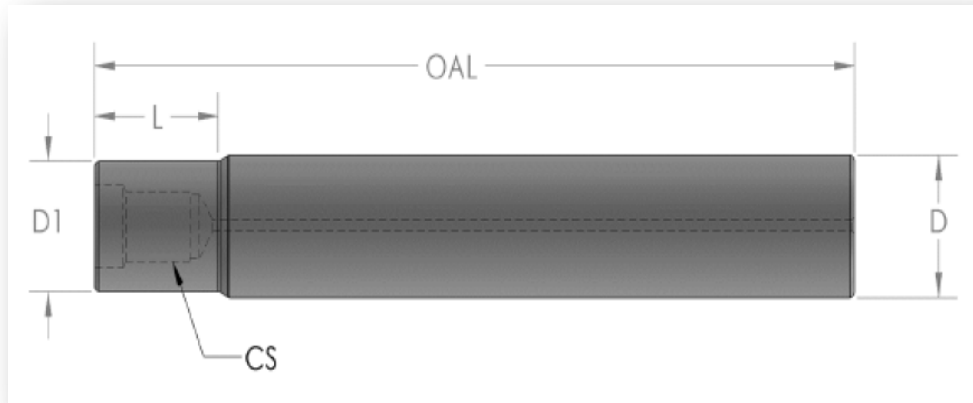
Type: HIGH FEED (HF)  
 Insert: LN03 (Rectangle)  
 Angle: 20°

### CUTTERS

PART NUMBER	DIA	OAL	CS	FLUTES
HF 0.625 LN03 3 CSM08 1.25 C	0.625	1.25	M08	3
HF 0.75 LN03 4 CSM08 1.25 C	0.75	1.25	M08	4
HF 0.75 LN03 4 CSM10 1.25 C	0.75	1.25	M10	4
HF 0.75 LN03 3 CSM10 1.25 C	0.75	1.25	M10	3
HF 0.937 LN03 4 CSM12 1.25 C	0.937	1.25	M12	4
HF 1.00 LN03 5 CSM12 1.25 C	1.00	1.25	M12	5
HF 1.25 LN03 6 CSM16 1.25 C	1.25	1.25	M16	6
HF 1.5 LN03 7 CSM16 1.25 C	1.50	1.25	M16	7
HF 1.25 SD12 2 CSM16 1.5 C	1.25	1.50	M16	2
HF 1.25 SD12 2 CSM16 1.8 C	1.25	1.80	M16	2
HF 1.5 SD12 3 CSM16 1.75 C	1.50	1.75	M16	3
HF 1.5 SD12 4 CSM16 1.5 C	1.50	1.50	M16	4
SM .75 AP11 3 CSM08 1.5 NC	0.75	1.50	M08	3
SM .75 AP11 3 CSM10 1.5 C	0.75	1.50	M10	3
SM 1 AP11 4 CSM12 1.5 C	1.00	1.50	M12	4
SM 1.25 AP11 4 CSM12 1.5 C	1.25	1.50	M12	4
SM 1.5 AP11 4 CSM12 1.5 C	1.50	1.50	M12	4

# ICE-SHANK

## Stainless Screw-On Shanks



### SHANKS

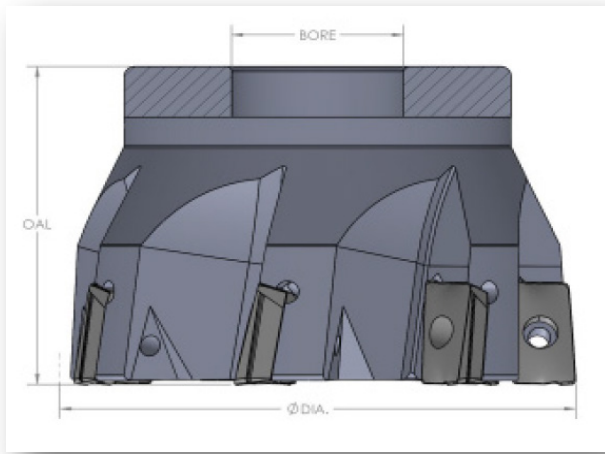
PART NUMBER	D1	L	OAL	D	CS
CSS 0.75 CSM10 0.73 1.50 4.00 SS	0.73	1.50	4.00	0.75	M10
CSS 0.75 CSM10 0.73 1.50 6.00 SS	0.73	1.50	6.00	0.75	M10
CSS 0.75 CSM10 0.73 1.50 8.00 SS	0.73	1.50	8.00	0.75	M10
CSS 1.00 CSM12 0.95 1.50 4.00 SS	0.95	1.50	4.00	1.00	M12
CSS 1.00 CSM12 0.95 3.50 6.00 SS	0.95	3.50	6.00	1.00	M12
CSS 1.00 CSM12 0.95 3.50 8.00 SS	0.95	3.50	8.00	1.00	M12
CSS 1.25 CSM16 1.14 1.50 4.00 SS	1.14	1.50	4.00	1.25	M16
CSS 1.25 CSM16 1.14 5.50 6.00 SS	1.14	5.50	6.00	1.25	M16
CSS 1.25 CSM16 1.14 5.50 8.00 SS	1.14	5.50	8.00	1.25	M16



# ICE-AP290

## General Purpose Shoulder Mill

**Type: SHOULDER MILL (SM)**  
**Insert: AP16 (Parallelogram 85°)**  
**Angle: 90°**

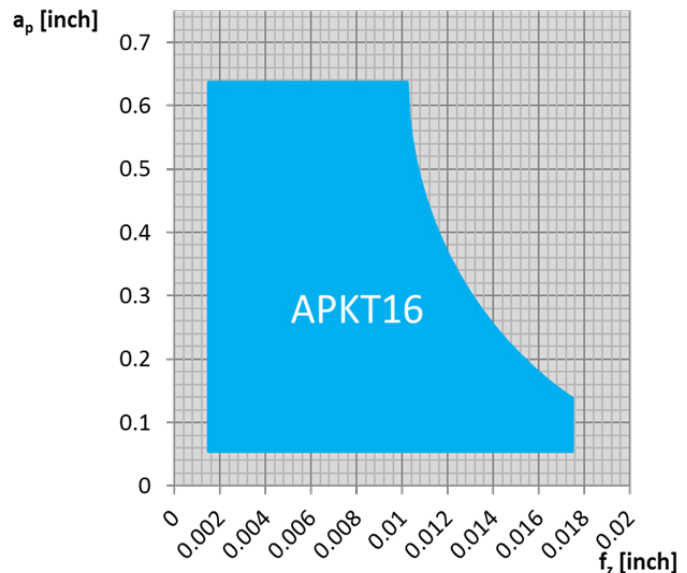


### CUTTERS

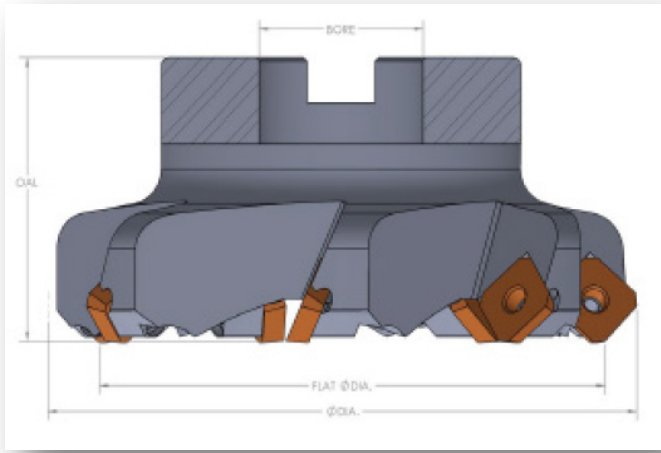
PART NUMBER	ØDIA.	BORE	OAL	FLUTES	AP MAX
SM 2.00 AP16 5 0.75 2.00 C	2.00	0.75	2.00	5	16
SM 2.50 AP16 6 0.75 2.00 C	2.50	0.75	2.00	6	16
SM 3.00 AP16 7 1.00 2.00 C	3.00	1.00	2.00	7	16
SM 4.00 AP16 9 1.25 2.00 C	4.00	1.25	2.00	9	16

### INSERTS

INSERT	GRADE
APKT160404	IPC1000
APKT160408-ZPM	IP1030
APKT160408-ZPM	IP1205H
APKT160408-ZPM	IP1215
APKT160408-ZPM	IP2202
APKT 1604PDER-HCT	ITC1225
APKT 1604PDER-HCT	ITP2235
APKT 1604PDER-HCT	ITC3215
APKT 1604PDER-HCT	ITP1235
APKT 1604PDER-SCT	ITP2235
APKT 1604PDER-SCT	CTP1235
APKT 1604PDER-SCT	CTC5235



**SCREW REQUIRED: T15 M4 x 12mm**



# ICE-SE445

**High-Pos. 45 General Purpose Low HP Face Mill**

**Type: FACE MILL (FM)**

**Insert: SE12 (SQUARE)**

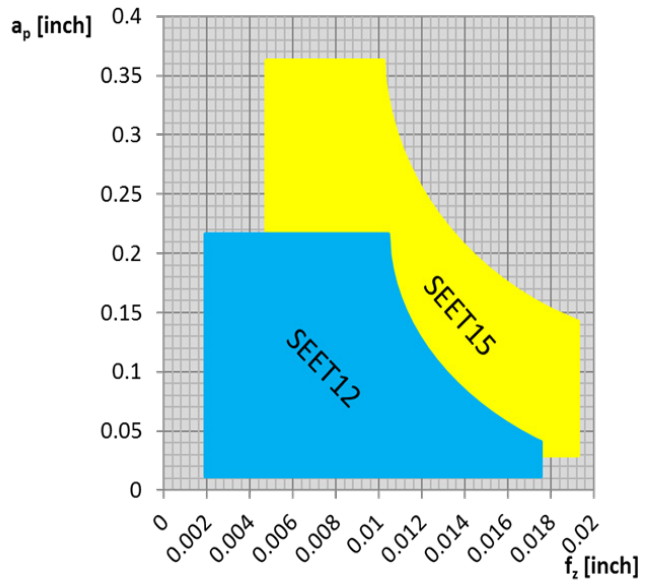
**Angle: 45°**

## CUTTERS

PART NUMBER	DIA	OAL	BORE	FLUTES
FM 2.00 SE12 4 .75 2.00 NC	2.00	2.00	0.75	4
FM 2.50 SE12 5 .75 2.00 NC	2.50	2.00	0.75	5
FM 3.00 SE12 6 1.00 2.00 NC	3.00	2.00	1.00	6
FM 4.00 SE12 7 1.25 2.00 NC	4.00	2.00	1.25	7

## INSERTS

INSERT	GRADE
SEET12T3-IPM	IC4035
SEET12T3-IPR	IC4235
SEET12T3-OPM	IC3105
SEET12T3-OPM	IC4025
SEET12T3-OPM	IP1030
SEET12T3-OPM	IP1202
SEET12T3-IPM	IP1215
SEET12T3-IPM	IC4025
SEET12T3-IPR	IC4225
SEET12T3-IPR	IP1215
SEET12T3-IPM	IP2302

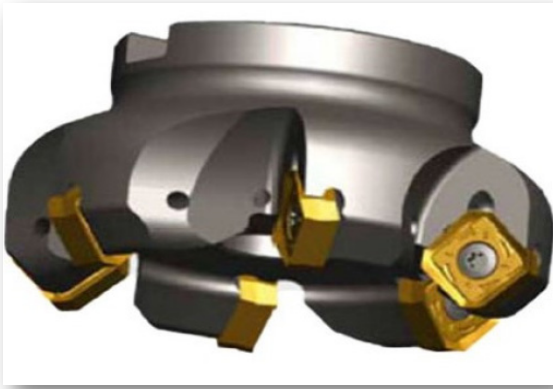


# ICE-S0845

**Type: FACE MILL (FM)**

**Insert: S012 (SQUARE)**

**Angle: 45°**

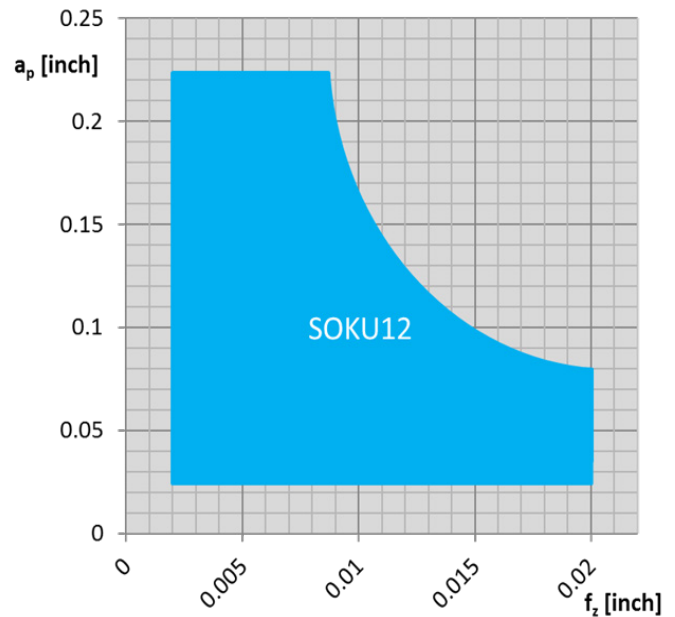


## CUTTERS

PART NUMBER	FLAT DIA	DIA	BORE	OAL	NO. OF INSERTS
45DBMIL D1.50 B0.50 L1.772 FL4 SO12	1.50	1.988	0.50	1.772	4
45DBMIL D2.00 B0.75 L1.772 FL5 SO12	2.00	2.488	0.75	1.772	5
45DBMIL D2.50 B0.75 L1.772 FL6 SO12	2.50	2.988	0.75	1.772	6
45DBMIL D3.00 B1.00 L1.968 FL8 SO12	3.00	3.488	1.00	1.968	8
45DBMIL D4.00 B1.50 L2.488 FL10 SO12	4.00	4.488	1.50	2.488	10
45DBMIL D5.00 B1.50 L2.488 FL12 SO12	5.00	5.488	1.50	2.488	12

## INSERTS

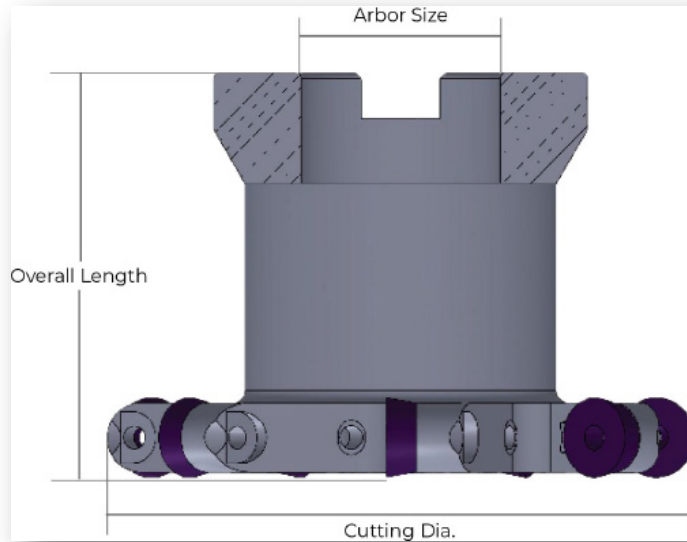
INSERT	GRADE	LIST PRICE
SOKU 1205AZER-SCM	ITP1235	\$10.00
SOKU 1205AZER-SCM	ITP2235	\$10.00
SOKU 1205AZER-SCM	ITC5235	\$13.00
SOKU 1205AZER-HCM	ITC3215	\$10.00
SOKU 1205AZER-SCM	ITPM240	\$10.00
SOKU 1205AZER-SCM	ITPP235	\$10.00
SOKU 1205AZER-SCM	ITCP230	\$10.00
SOKU 1205AZER-HCM	ITCP230	\$10.00
SOKU 1205AZER-HCM	ITPP235	\$10.00
SOKU 1205AZER-SCM	ITPM235HP	\$10.00



**SCREW REQUIRED: T15 M4 x 11mm**



# ICE-R360



**Type: BUTTON MILL (SL)**

**Insert: RJ10/RJ12/RJ13/RH10/RH12/RH13 (CIRCLE)**

## CUTTER

PART NUMBER	CUTTING DIA	BORE	OVERALL LENGTH	INSERT IC	FLUTES
BMS 3.00 10MM 7 0.75 1.50 C	3.00	0.75	1.50	0.394	7
BMS 3.60 10MM 3 0.75 1.50 C	3.60	0.75	1.50	0.394	3
BMS 3.00 0.500 4 1.00 1.50 C	3.00	1.00	1.50	0.50	4
BMS 4.00 0.500 7 1.00 1.50 NC	4.00	1.00	1.50	0.787	7
BMS 4.00 0.500 7 1.00 1.50 C	4.00	1.00	1.50	0.50	7



# ICE-HS660

**Type: HIGH SHEER (HS)**

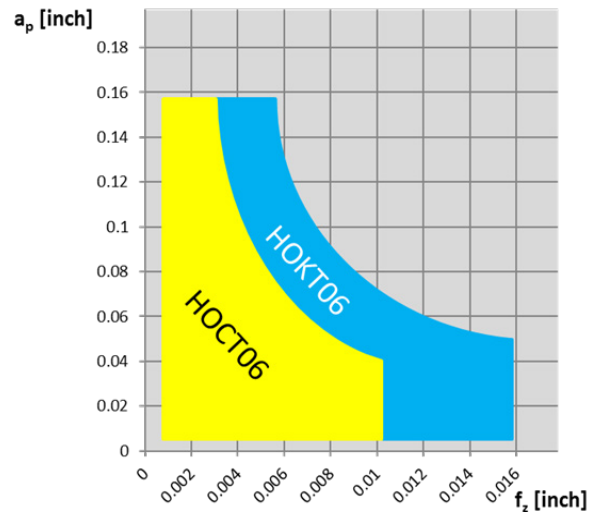
**Insert: H006 (HEXAGON)**

**Angle: 60°**

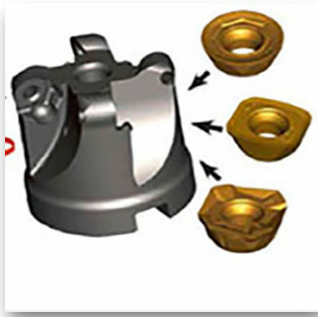
H  
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CUTTERS				
PART NUMBER	CUTTING DIA	BORE	OVERALL LENGTH	FLUTES
A-SSM-H06-150.R.04-A050-150-I	1.50	0.50	1.50	4
A-SSM-H06-200.R.05-A075-150-I	2.00	0.75	1.50	5
A-SSM-H06-250.R.06-A075-150-I	2.50	0.75	1.50	6
A-SSM-H06-300.R.07-A100-200-I	3.00	1.00	2.00	7
A-SSM-H06-300.R.07-A100-200-I	3.00	1.00	2.00	7

INSERTS	
INSERT	GRADE
HOKT 0604AZER-HCM	ITP1235
HOKT 0604AZER-HCM	ITP2235
HOKT 0604AZER-HCM	ITC3215
HOKT 0604AZER-SCM	ITP2235
HOKT 0604AZER-SCM	ITP1235
HOKT 0604AZER-SCM	ITC5235
HOKT 0604AZER-HCM	ITC5235
HOKT 0604AZER-HCM	ITPP235
HOKT 0604AZER-SCM	ITPM235HP
HOCT 0604AZFR-LMM	IH216T
HOCT 0604AZER-SCM	ITPM235
HOCT 0604AZER-SCM	ITC5235



**SCREW REQUIRED: T15 M4 x 11mm**



# ICE-VIM

**Type: HIGH SHEER (HS)**

**Insert: H006 (HEXAGON)**

**Angle: 60°**

## CUTTERS

A-SSM-R12-150.R.04-A050-150-I

A-SSM-R12-200.R.05-A075-150-I

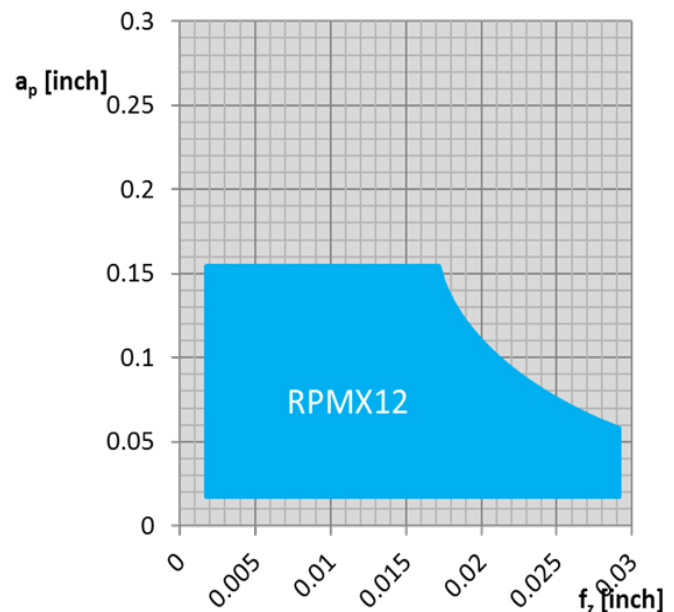
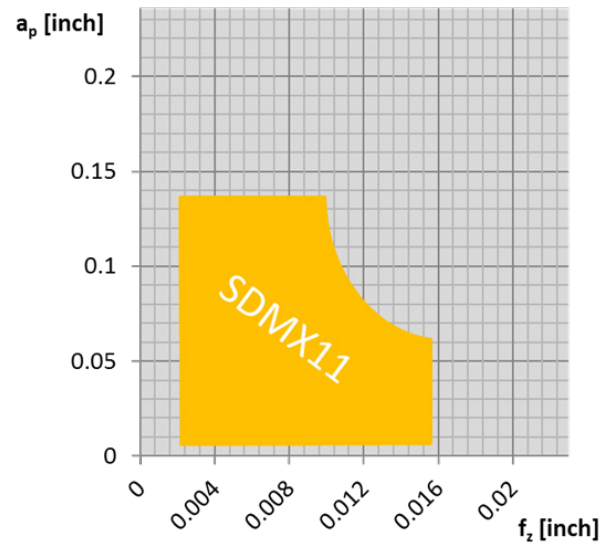
A-SSM-R12-250.R.06-A075-150-I

A-SSM-R12-300.R.08-A100-200-I

A-SSM-R12-400.R.10-B150-200-I

## INSERTS

INSERTS	GRADE
SDMX 1105AEER-HCM	ITP1235
SDMX 1105AEER-XCM	ITC5235
SDMX 1105AEER-XCM	ITC5240
SDMX 1105AEER-HCM	ITCP230
SDMX 1105AEER-HCM	ITPP235
SDMX 1105AEER-SCM	ITC5235
SDMX 1105AEER-SCM	ITPM235HP
RPMX 1204MO-SCM	ITP2235
RPMX 1204MO-HCM	ITP1235
RPMX 1204MO-HCM	ITC3215
RPMX 1204MO-MFHCM	ITP1235
RPMX 1204MO-MFHCM	ITC3215
RPMX 1204MO-HCM	ITCP230
RPMX 1204MO-HCM	ITPP235
RPMX 1204MO-SCM	ITPM240
RPMX 1204MO-MFSCM	ITPM240
RPMX 1204MO-MFHCM	ITPP235
RPMX 1204MO-MFHCM	ITCP230
RPMX 1204MO-SCM	ITC5235
RPMX 1204MO-MFSCM	ITC5235



**SCREW REQUIRED: T15 M4 x 11mm**



# ICE-VAM

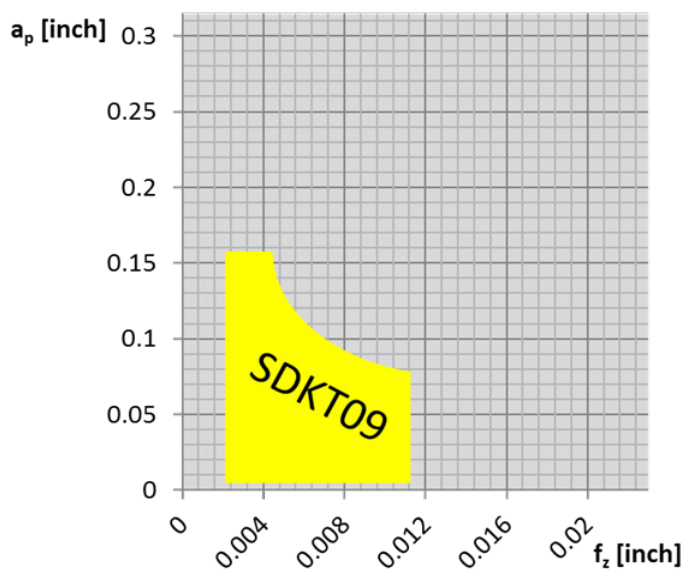
**Type: VARIABLE ANGLE (VA)**

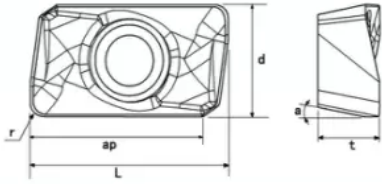
**Insert: SD09 (SQUARE)**

**Angle: 90°**

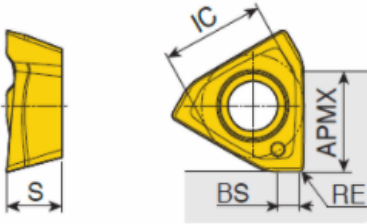
CUTTERS				
ICE PART NO.	CUTTING DIA	BORE	OVERALL LENGTH	FLUTES
C-SSM-S09-100.R.03-B100-150-380-I	1.00	0.50	1.50	3
C-SSM-S09-125.R.04-B125-200-450-I	1.25	0.75	2.00	4
A-SSM-S09-150.R.05-A050-150-I	1.50	0.50	1.50	5
A-SSM-S09-200.R.06-A075-150-I	2.00	0.75	2.00	6
A-SSM-S09-250.R.07-A075-150-I	2.50	0.75	2.00	7
A-SSM-S09-300.R.09-A100-200-I	3.00	1.00	2.00	9

INSERTS	
INSERT	GRADE
SDKT 09T308SR-HCM	ITP1235
SDKT 09T308SR-SCM	ITP2235
SDKT 09T308SR-SCM	ITC5235
SDKT 09T308SR-CCM	ITC3215
SDKT 09T308SR-SCM	ITC5240
SDKT 09T308SR-HCM	ITCP230
SDKT 09T308SR-HCM	ITPP235
SDKT 09T308SR-SCM	ITPM240
SDKT 09T308SR-SCM	ITPM235
SDKT 09T308SR-CCM	ITCK215

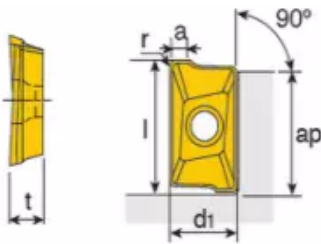




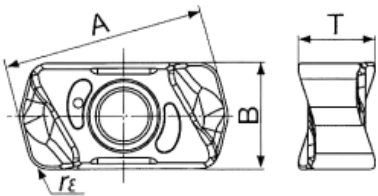
**APMT**



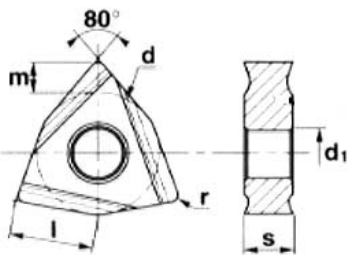
**3PKT**



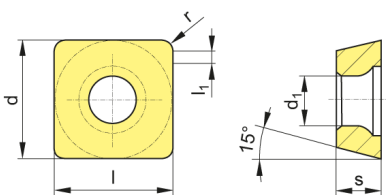
**APKT**



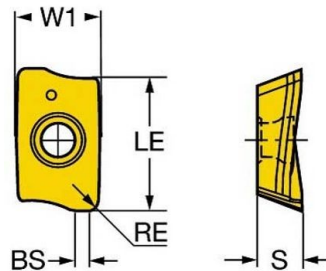
**LNMU**



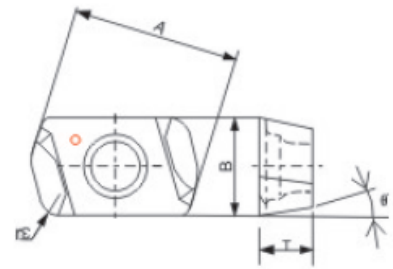
**WNMX**



**SDMT**

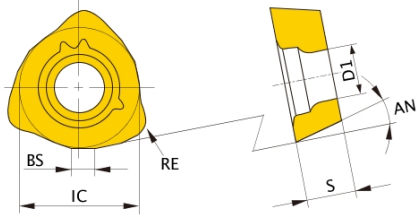


**R390**

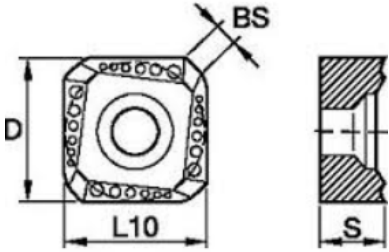


**EPMT**

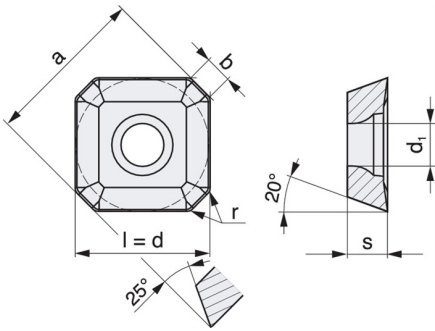
INSERT	GRADE
APMT1135PDER-M2	IP1215
APMT1135PDER-M2	IP1030
APMT160408PDER-M2	IP1030
APMT160408PDER-M2	IP1205
APMT160408PDER-M2	IP1315
APMT1604PDER-2	IP1315
3PKT100408R-M	IP1215
3PKT150508R-M	IP1215
APKT170516R-EM	IP1030
APKT170516R-EM	IP1215
APKT170516R-EM	IP1312
APKT1705PER-EM	IP1215
R39011T308-SP	IP1215
R39011T308-SP	IP1305
R39011T308-SP	IP1315
R390-180612M-PM	IP1215
R390-180612M-PM	IP1312
LNMU0303ZER-MJ	IP1215
LNMU0303ZER-MJ	IP1215
WNMX130520ZNN-MM	IC4225
WNMX130520ZNN-MM	IP1305
EPMT0603TN-8-1	LATUMA
EPNW0603TN-8	IP2202
SDMT 1205-XZ	IP1315



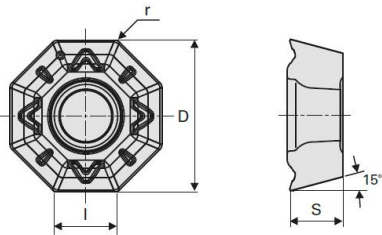
**JDMW**



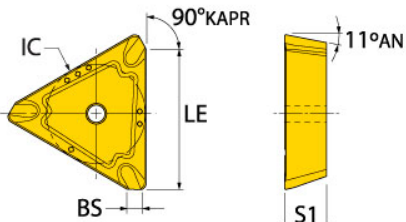
**SNMT**



**SEET**

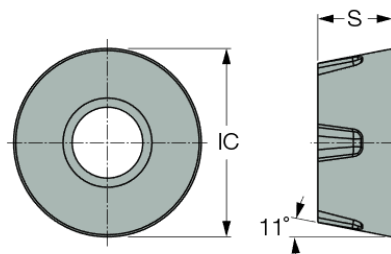


**ODMT**

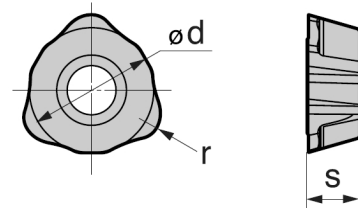


**TPKN**

INSERT	GRADE
JDMW080320ZZSR-FT	IP1215
JDMW120420ZDSR-FT	IP1215
SNMT13T6ANER-H	IP1215
SEMT13T3AGSR-G	IP1315
SEMT12T320	IC4225
SEMT12T320	IP1215
SEMT12T312	IP1202
SEET120308PER-OPM	IP1215
SEET12T3-OPM	IP1215
SEKN1203AFTN	IP1215
SEKR1203AZ-YM	IP1215
SEHT1204AFSN	IP1215
WDGT06T320ZTR	IP1315
WDGT080520ZSR	IP1215
WDMT10X620ZER	IP1215
ODMT0605APEN-44	IC4035
RPHX10T3MO	IP1312
RPKT10T3MOT10-Q	IP1215
TPKN1603PDSR	IP1215
TPKN2204PDTR	IP1215
SPMW120408	IP2202
SOMT11T308-ODP	IP1215
SOMT09T308-ODP	IP1215
SOEX07T308	IP2212
SOEX060306	IP2212



**RPHX**



**WDMT**