ISO 13399
CUTTING TOOL PARAMETERS

Parameter	Definition
ALP	Clearance angle axial
ANN	Clearance angle minor
APMX	Depth of cut maximum
B	Shank width
BAWS	Body angle workpiece side
BBD	Balanced by design
BBR	Balanced by rotational test
BD	Body diameter
BHTA	Body half taper angle
BS	Wiper edge length
BSG	Basic standard group
CDX	Cutting depth maximum
CHW	Corner chamfer width
CICT	Cutting item count
CND	Coolant entry diameter
CNSC	Coolant entry style code
COATING	Coating
CNT	Coolant entry thread size
CP	Coolant pressure
CRKS	Connection retention knob thread size
CTPT	Operation type
CUTDIA	Work piece parting diameter maximum
CW	Cutting width
CWTOLL	Cutting width lower tolerance
CWTOLU	Cutting width upper tolerance
CXSC	Coolant exit style code
CZC	Connection size code
CZC MS	Connection size code machine side
CZC WS	Connection size code workpiece side
DAH	Diameter access hole
DAXIN	Axial groove inside diameter min
DAXX	Axial groove outside diameter max
DBC	Diameter bolt circle
DC	Cutting diameter
DCB	Connection bore diameter
DCBN	Connection bore diameter min
DCBX	Connection bore diameter max
DCF	Cutting diameter face contact
DCON	Connection diameter
DCSFMS	Contact surface diameter machine side
DCSFWS	Contact surface diameter workpiece side
DCX	Cutting diameter maximum
DIX	Tool changer interference diameter maximum
DMIN	Minimum bore diameter
DMM	Shank diameter

Parameter	Definition
DN	Neck diameter
DSGN	Design
D1	Fixing hole diameter
FHA	Flute helix angle
FLGT	Flange thickness
FTDZ	For thread diameter size
H	Shank height
HF	Functional height
HRY	Lowest point from reference plain
HTB	Body height
HTH	Height
IC	Inscribed circle diameter
INSL	Insert length
IZC	Insert size code
KAPR	Tool cutting edge angle
KCH	Corner chamfer
L	Cutting edge length
LB	Body length
LCF	Length chip flute
LE	Cutting edge effective length
LF	Functional length
LGR	Regrind length
LH	Head length
LPR	Protruding length
LS	Shank length
LSC	Clamping length
LSCN	Clamping length minimum
LSCX	Clamping length maximum
LSD	Dead shank length
LU	Usable length (max. recommended)
MHD	Mounting hole distance
MIID	Master insert identification
MMCC	Code for preset torque
NOF	Flute count
OAH	Overall height
OAL	Overall length
OAW	Overall width
OHN	Overhang minimum
OHX	Overhang maximum
PHD	Premachined hole diameter
PHDX	Maximum premachined hole diameter
PL	Point length
PRFRAD	Profile radius
PRSPC	Profile specification
PSIR	Tool lead angle

Parameter	Definition
PSIRL	Cutting edge angle major left hand
PSIRR	Cutting edge angle major right hand
RADH	Radial body height
RADW	Radial body width
RE	Corner radius
RETOLL	Corner radius lower tolerance
RETOLU	Corner radius upper tolerance
RPMX	Rotational speed maximum
S	Insert thickness
SDL	Step diameter length
SIG	Point angle
SSC	Insert seat size code
SUBSTRATE	Substrate
TCDC	Tolerance class cutting diameter
TCDMM	Shank diameter tolerance
TCHA	Achievable hole tolerance
TCT	Tolerance class tool
TCTR	Thread tolerance class
TD	Thread diameter
TDZ	Thread diameter size
TFLA	Tap floating length ahead
TFLB	Tap floating length behind
THCHT	Threading chamfer type
THFT	Form type
THLGTH	Thread length
THUB	Hub thickness
TP	Thread pitch
TPI	Threads per inch
TPIN	Threads per inch minimum
TPIX	Threads per inch maximum
TPN	Thread pitch minimum
TPX	Maximum thread pitch
TQ	Torque
TSYC	Tool style code
ULDR	Usable length diameter ratio
WB	Body width
WF	Functional width
WSC	Clamping width
WT	Weight of item
W1	Insert width
ZEFF	Face effective cutting edge count
ZEFP	Peripheral effective cutting-edge count (ZEFP)
ZWX	Maximum number of Wiper inserts

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