

SERIES 47Z*RA SOLID CARBIDE DOUBLE GROOVE MILLING TIP FOR TUBE SHEETS

Application:
Heat Exchanger Tube Sheet
Double Grooves

Diameter:
.437" & .625"

Maximum Depth of Cut:
.035"



Features & Benefits:

- Form is contained on a short carbide tip that can be changed on the machine in seconds
- Tip repeats within +/- .0005"
- Deep Teeth so operator can offset machine on long runs - obtaining more tool life
- Economical Steel or Rigid Carbide Chipsurfer shank options
- Designed so that no deburr operation is needed

**PRODUCT
ANNOUNCEMENT**

UPDATE

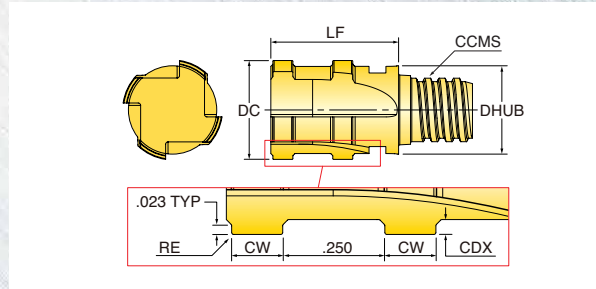
2018

SERIES 47Z*RA

DOUBLE GROOVE TIP FOR HEAT EXCHANGER TUBE SHEETS



Slotting

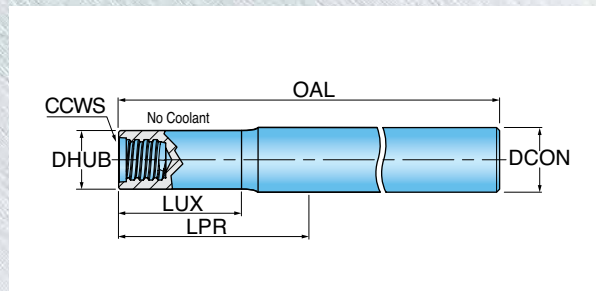


Part Number	DC Cutting Diameter	RE Corner Radius	CW Cutting Width	CDX Cutting Depth Max.	LF Functional Length	ZEFF Effective Flutes	CCMS Connection Code	DHUB Hub Diameter
47Z-4380T6RA01	0.437	0.005	0.125	0.033	0.800	4	Chip Surfer T06	0.365
47Z-6280TRRA01	0.625	0.005	0.125	0.035	0.800	4	Chip Surfer T10	0.553

NOTE: S062T10CA-14 recommended with 47Z-6280TRRA01 when needing neck diameter clearance deeper than .80. No lubricant on adaption. Wrenches sold separately.

NECKED DOWN STRAIGHT SHANK



CARBIDE AND STEEL SHANKS



Part Number	CCMS Connection Code	DHUB Hub Dia.	LUX Usable Length Max.	LPR Projection Length	OAL Overall Length	DCON Shank Dia.	BMC Body Material Code
S037T06SA-06	T06	0.364	.50	.60	3.00	.375 CYL	Steel
S037T06CA-12	T06	0.364	1.18	1.25	4.00	.375 CYL	Carbide
S062T10SA-06	T10	0.600	.68	.78	4.00	.625 CYL	Steel
S062T10CA-14	T10	0.550	1.40	1.50	4.00	.625 CYL	Carbide

NOTE: When assembling, be sure carbide tip is seated firmly on shank with no gap. Tightening Torque: T06=90in/lbs - T10=250in/lbs. No lubricant on adaption. Wrenches sold separately.

HARDWARE

	 Wrench	 Optional Torque Driver	CCMS Connection Code	Torque Value
47Z-4380T6RA01	WS-0029	DT-90-08	T06	90in/lbs
47Z-6280TRRA01	WS-0044	DT-250-13	T10	250in/lbs

TECHNICAL INFORMATION

	Workpiece Material	Cutting Speed	Feed rate per tooth
P	Steel	500-700	.003-.005
	Tool Steel	450-650	.003-.005
M	Stainless Steel	350-600	.003-.005
K	Gray Cast Iron	400-800	.003-.005
S	Super Alloys	100-250	.002-.004
N	Aluminum	1000-2500	.004-.008