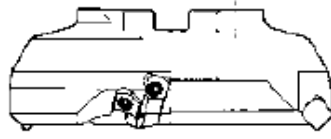


# TMD4400B-U



## TMD4400B-U 45° LEAD Specifications



Right hand shown



Class E insert differs slightly from shape shown above.

Corner Angle		45°
Rake Angle	Axial	+15°
	Radial	-3°

Catalog Number	Stock		# of Teeth	Dimensions (in)							Wt. lbs.
	R	L		D	D1	d	E	F	a	b	
TMD4403R/LB-U	●	■	6	3.150	3.780	1.000	1.024	1.969	0.236	0.375	3.1
TMD4404R/LB-U	●	■	8	3.937	4.528	1.500	1.260	2.480	0.394	0.625	5.5
TMD4405R/LB-U	●	■	10	4.921	5.472	1.500	1.260	2.480	0.394	0.625	7.9
TMD4406R/LB-U	●	■	14	6.299	6.811	2.000	1.496	2.480	0.433	0.750	12.1
TMD4408R/LB-U	●	■	18	7.874	8.370	2.500	1.496	2.480	0.551	1.000	18.9
TMD4410R/LB-U	●	■	22	9.842	10.335	2.500	1.496	2.480	0.551	1.000	35.6

Type	Cat. No.	ISO Cat. No. (metric)	Accuracy	Honing	Grades										Figure	
					Coated					Cermet	Uncoated	T-DIA	Green			
					T3130	T1115	AH120	AH130	AH140	AH330	GH330	NS740	N308	UX30		TH10
General	SDCN42ZTN	SDCN1203AETN-12	C	With	●	●	●	●	●	●	●	●	●	●	●	Fig.1
	SDCN42ZFN	SDCN1203AEFN-12		Without												
	SDCN42ZFN-DIA	SDCN1203AEFN-D														Fig.3
	SDCN42ZTN20	SDCN1203AETN-20														Fig.1
	SDEN42ZTN	SDEN1203AETN-12	E	With	●	●	●	●	●	●	●	●	●	●	●	Fig.1
	SDEN42ZTN20	SDEN1203AETN-20		Without												Fig.3
	SDEN42ZFN	SDEN1203AEFN-12														Fig.1
	SDEN42ZTNCR	SDEN1203AETNCR														Fig.4
	SDKN42ZTN	SDKN1203AETN-12	K	With	●	●	●	●	●	●	●	●	●	●	●	Fig.1
	SDKN42ZFN	SDKN1203AEFN-12		Without												Fig.1
	SDKN42ZTNCR	SDKN1203AETN-CR														Fig.4
	SDKN42ZTN16	SDKN1203AETN-16														Fig.2
	SDKR42ZSR-MJ	SDKR1203AESR-MJ	M	With	●	●	●	●	●	●	●	●	●	●	●	Fig.5
	SDKR1203AETN-MJ															Fig.8,9
SDKR42ZPN-MS	SDKR1203AEPN-MS														Fig.9	
SDMR1203AETN-MJ															Fig.8,10	
Wiper	WDCN42ZFR-DIA	SDCX1203AEFR-WD	C	Without											Fig.7	

### Parts

No. 1	No. 2	No. 3	No. 4	Wrench
Locator	Insert Locking Wedge	Wedge Fixing Screw	Locator Adjusting Screw	T-Handle Wrench
LD440 R/L	WF310R/L	FDS-8S	CM4X0.7X14	TP-4



### General Cutting Conditions

Work Material	Grade	Cutting Speed (ft/min)	Feed (inch/tooth)
Steels	NS540, NS740, T3130, AH330	300-800	0.004 ~ 0.010
Stainless Steels	AH120, AH140	360-450	0.006 ~ 0.010
Cast Irons	T1015, FX105	400-1500	0.004 ~ 0.010
Al Alloy (Si Under 12%)	TH10, DX140	600-3000	0.002 ~ 0.008
Super Alloys	AH120	100-200	0.002 ~ 0.006