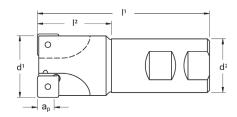
# **Square Shoulder Milling Cutters**



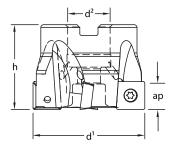


## End Mills using 1/2" I.C. Inserts

Designation	d¹	d²	l <sub>1</sub>	l²	Мах. ар	flutes	Insert	Insert Screw	Wrench
TS90E-1.5SD4	1.500	1.250	4.00	1.72	.40	3	SDMT-1204 PDR	214.80.388	214.80.824 (S/D) 214.80.012 (F/T)
TS90E-2SD4	2.000	1.250	4.00	1.72	.40	4			

Remember to use COPASLIP® anti-seize compound on all insert screws





#### Face Mills using 1/2" I.C. Inserts

Designation	d¹	d²	h	Мах. ар	flutes	lbs.	Insert	Insert Screw	Wrench
TS90-2SD4	2.000	.750	1.50	.40	4	.50		214.80.388	214.80.824 (S/D) 214.80.012 (F/T)
TS90-2SD4F	2.000	.750	1.50	.40	5	.50			
TS90-2.5SD4	2.500	1.000	1.75	.40	5	1.00			
TS90-2.5SD4F	2.500	1.000	1.75	.40	6	1.35			
TS90-3SD4	3.000	1.000	2.00	.40	6	2.00	SDMT-1204 PDR		
TS90-4SD4	4.000	1.500	2.00	.40	8	2.70			
TS90-5SD4F	5.000	1.500	2.00	.40	9	5.25			
TS90-6SD4	6.000	2.000	2.50	.40	10	8.15			

Remember to use COPASLIP® anti-seize compound on all insert screws

### Face Mills using 5/8" I.C. Inserts

Designation	d¹	d²	h	Мах. ар	flutes	lbs.	Insert	Insert Screw	Wrench
TS90-2SD5	2.000	.750	1.50	.50	4	.50	_	1 714 X() () / 3	214.80.994 (S/D) 214.80.076 (F/T)
TS90-2.5SD5	2.500	1.000	1.75	.50	5	1.00			
TS90-3SD5	3.000	1.000	2.00	.50	6	2.00			
TS90-4SD5	4.000	1.500	2.00	.50	8	2.70	CD147 450C DDD		
TS90-5SD5	5.000	1.500	2.00	.50	9	5.25	SDMT-1506 PDR		
TS90-6SD5	6.000	2.000	2.50	.50	10	8.15			
TS90-8SD5*	8.000	2.500	2.50	.50	13	14.40	-		
TS90-10SD5*	10.000	2.500	2.50	.50	16	22.70			
* Cutter supplied with 4 holes on a 4" bolt circle									

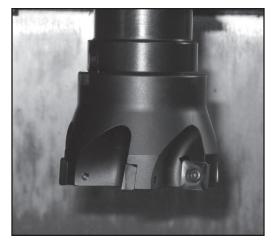
Remember to use COPASLIP® anti-seize compound on all insert screws

# **Inserts for TS90 Square Shoulder Milling Cutters**

The TS90 Square Shoulder Milling Cutters are an ideal tool for  $90^{\circ}$  slot and shoulder milling. They are available in diameters from 1%" to 6", using %" I.C. inserts, and 2" to 10" using 5/8" I.C. inserts.

The cutter bodies are manufactured with premium hardened steel for rigidity. The TS90s use indexable inserts with four effective cutting edges, which are securely clamped with Torx® screws.

The TS90 cutter delivers optimum milling performance with outstanding chip evacuation. The cutters operate smoothly with low power requirements. These cutters are ideal for slot milling, edge trimming, square shoulder milling and face milling, in materials ranging from low alloy steels to stainless and high alloy steels, as well as grey, ductile and nodular cast iron.



Positive geometries and strengthened cutting edges guarantee trouble-free machining of a wide range of materials. 4 usable cutting edges.

#### **SDMT**

- **ML** For cast iron machining and finishing on non-rigid machines and setups.
- **MH** For most applications.

#### SDMX



- MM Positive pressed geometry engineered to reduce cutting forces enabling increased feed rates.
- MH Similar to the MM but with reinforced cutting edge for heavy duty milling.

