

**NEW
PRODUCT
NEWS**

**NEW QUICK
CHANGE SYSTEM**



**Lighter, Quicker, Safer Adapter System
for Big Diameter Cutters**



NEW QUICK CHANGE SYSTEM

Lighter, quicker, safer adapter system for big diameter cutters

TaeguTec has launched an improved quick change cutter system for conventional face milling applications that use big diameter cutters.

Usually on general and special purpose machines and occasionally on CNC machining centers, face milling applications use fine pitch, big diameter cutters to achieve high productivity. However, these cutter types suffer drawbacks including too much weight, are difficult to handle as well as pose safety considerations during usage. TaeguTec's newest quick change cutter system is a lighter weight system that combines innovative design enhancing accuracy, durability and operational convenience.

The new system is available in two types; the first, is mounted on the spindle directly for dedicated machines while the other is mounted to the arbor directly.

The system provides customers with the benefit of increased convenience, improved accuracy and safety.

FEATURES

■ Light weight cutter

New quick change cutter weight reduced by almost half for easier handling and improved safety over conventional quick change systems.

For example

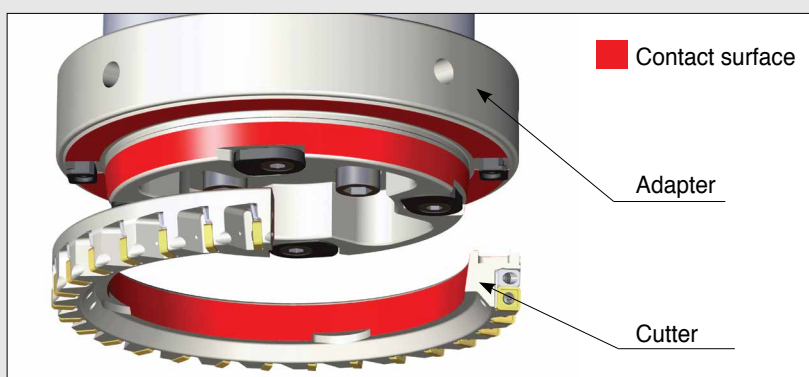
Conventional quick change cutter		New quick change cutter		
Designation	Weight(kg)	Designation	Weight(kg)	
TQ90SNS 30250R-12	7.5	new TFM90SNS 30250-12-QC	3.6	↓ 52%
TQ90SNS 36315R-12	14	new TFM90SNS 36315-12-QC	8.1	↓ 42%
TQ90SNS 48400R-12	16	new TFM90SNS 48400-12-QC	10.6	↓ 34%

■ Quick and easy clamping system

Optimally designed quick and easy clamping system reduces tool changing time.

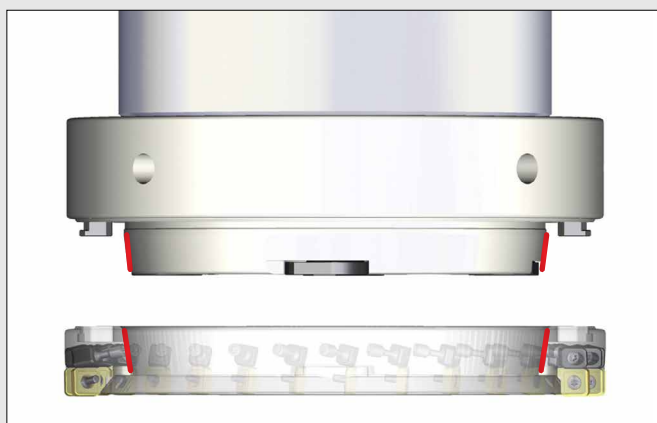
■ Double face contact

Excellent repeatability and accuracy high stiffness.



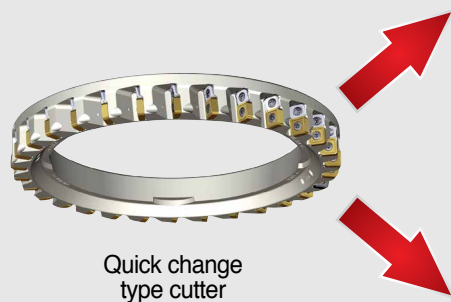
■ **Taper fitting**

Simplified mounting and self positioning.

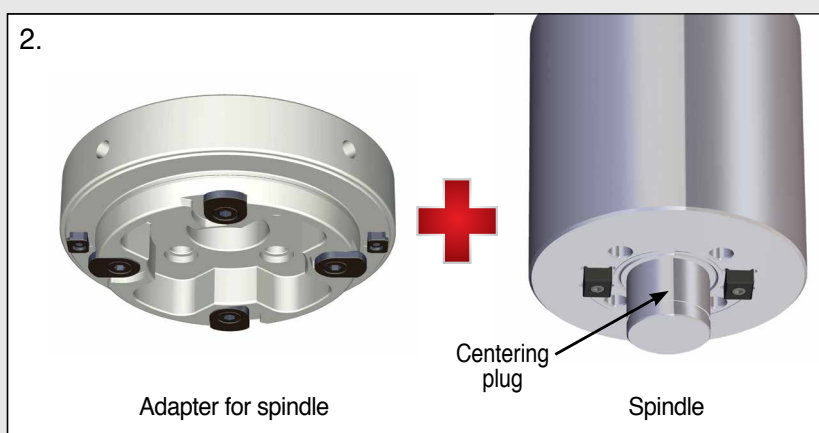
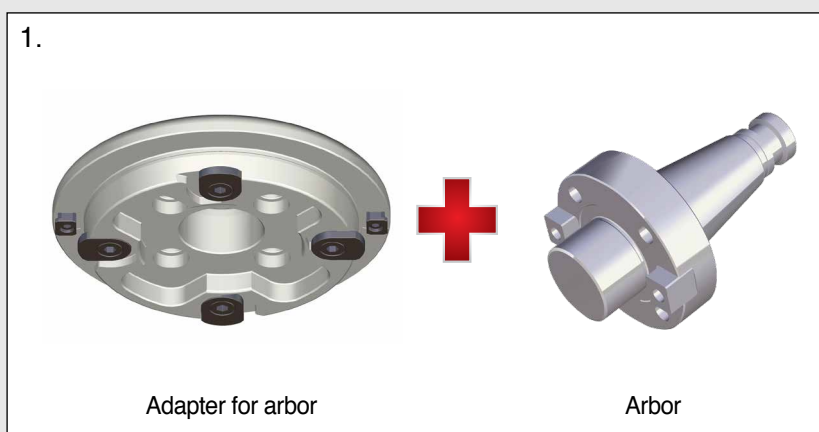


■ **Two types**

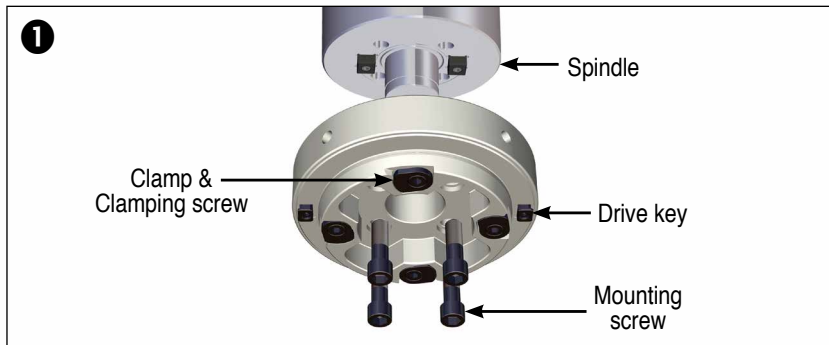
1. Quick change type cutter + Adapter + Arbor (D250)
2. Quick change type cutter + Adapter + Spindle (D250~D400)



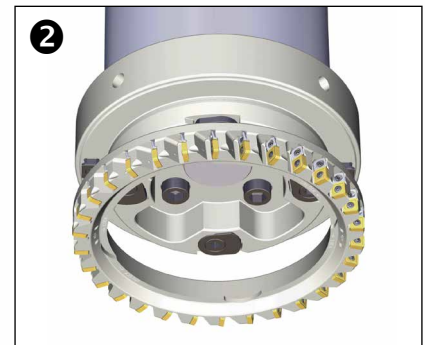
Quick change type cutter



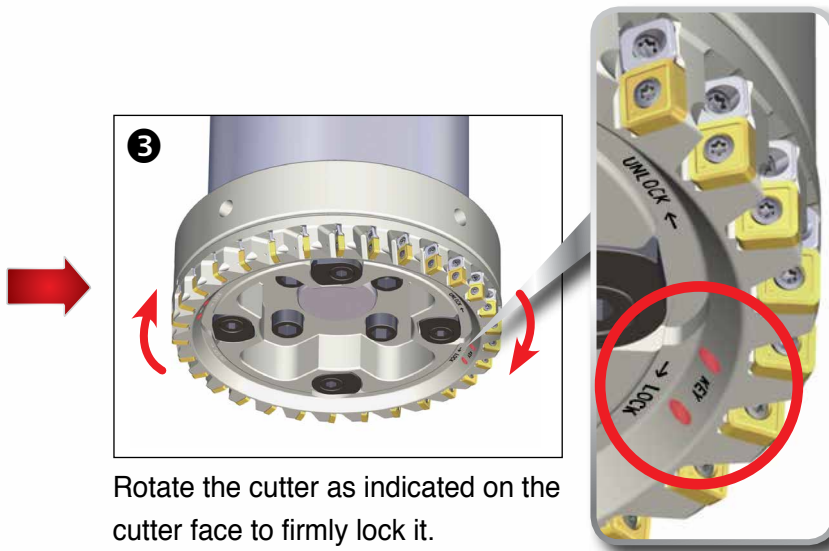
How to set up cutter & adapter



Firmly mount the adapter to the spindle/basic arbor by locking the mounting screws.

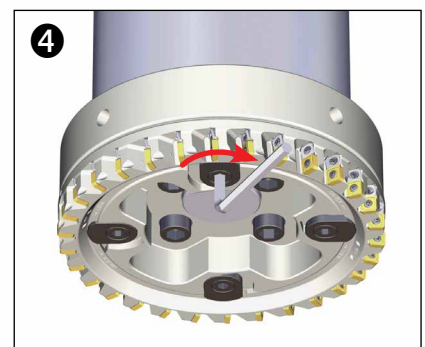


Mount the cutter to the adapter. Check to ensure positioning of the key and key home.



Rotate the cutter as indicated on the cutter face to firmly lock it.

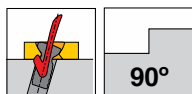
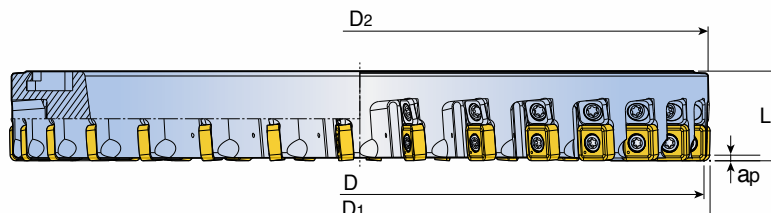
*Locking the cutter on to the adapter prevents it from falling off.



Rotate the adapter's clamping screws clockwise for secure mounting. As you rotate the clamping screw, the clamp will automatically rotate to the locking position.

TFM90SNS-12-QC

Face mill: new quick change type cutter



Designation		Dimension (mm)					Kg	Adapter	Insert
		D	D1	D2	L	ap			
TFM90SNS 20250-12-QC	20	243.35	250	248.59	32	1	3.6	TQCA D250(-FM60)	SNEX 1204 SNET 1205
30250-12-QC	30	243.35	250	248.59	32	1	3.6	TQCA D250(-FM60)	
24315-12-QC	24	308.35	315	313	38	1	8.1	TQCA D315	
36315-12-QC	36	308.35	315	313	38	1	8.1	TQCA D315	
28355-12-QC	28	348.35	355	353	38	1	9.2	TQCA D355	
42355-12-QC	42	348.35	355	353	38	1	9.2	TQCA D355	
32400-12-QC	32	393.35	400	398	38	1	10.5	TQCA D400	
48400-12-QC	48	393.35	400	398	38	1	10.6	TQCA D400	

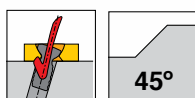
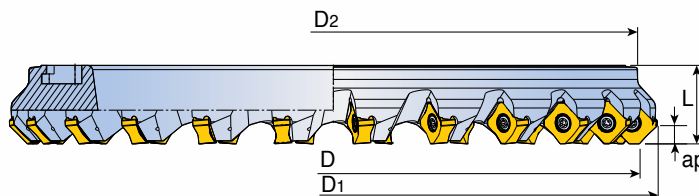
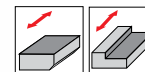
• Recommended for stable machining conditions of cast iron & steel

Spare parts

Designation	Screw	Adj. Wedge	Adj. Screw	Wrench	
TFM90SNS-12-QC	 TS 35C110I	 AJS 1010R	 AWS 0620	 T-T15	

TFM45SN-13-QC

Face mill: new quick change type cutter



Designation	⊙	Dimension (mm)						Kg	Adapter	Insert
		D	D1	D2	L	ap				
TFM45SN	12250-13-QC	12	250	264.8	248	32	7	3.5	TQCA D250(-FM60)	SNM(G)X 1306 AN... SNMX 1306 XTN
	24250-13-QC	24	250	264.7	248	32	7	3.7	TQCA D250(-FM60)	
	14315-13-QC	14	315	329.8	313	38	7	8.1	TQCA D315	
	30315-13-QC	30	315	329.7	313	38	7	8.2	TQCA D315	
	16355-13-QC	16	355	369.8	353	38	7	9.3	TQCA D355	
	34355-13-QC	34	355	369.7	353	38	7	9.4	TQCA D355	
	18400-13-QC	18	400	414.8	398	38	7	10.6	TQCA D400	
	38400-13-QC	38	400	414.7	398	38	7	10.7	TQCA D400	

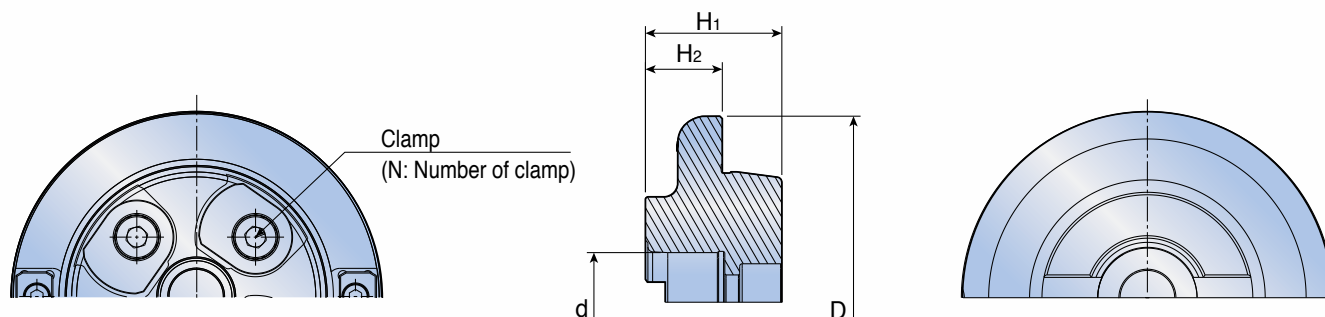
• Recommended for stable machining conditions of cast iron & steel

Spare parts

Designation	Screw	Wrench			
TFM45SN-13-QC	 TS 40B100I	 T-T15			

Basic arbor connection (D250)

Adapter

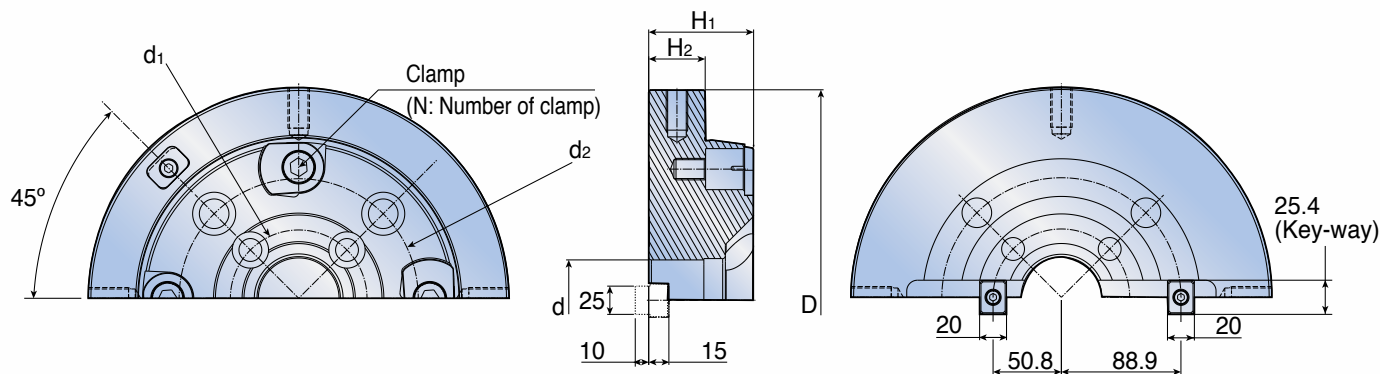


Designation	Dimension (mm)							Weight (kg)
	D	d	d ₁	d ₂	N	H ₁	H ₂	
TQCA D250-FM60	240	60	-	-	4	31	55	10.4

- The adapter can be used for both right & left handed cutters

Direct connection to the spindle with centering plug (D250-D400)

Adapter



Designation	Dimension (mm)							Weight (kg)
	D	d	d ₁	d ₂	N	H ₁	H ₂	
TQCA D250	248	60	101.6	-	4	72	48	17.56
TQCA D315	313	60	101.6	177.8	4	77	42	39.05
TQCA D355	353	60	101.6	177.8	8	77	42	55.53
TQCA D400	398	60	101.6	177.8	8	77	42	68.47

- The adapter can be used for both right & left handed cutters
- The key is built into the adapter. If necessary, it can be removed