SFEEDUP™ HIGH SPEED & FEED

INDUSTRY 4.0 PRODUCT ANNOUNCEMENT UPDATE 2021

TEDISFEED™

MILLING PRODUCTS

Member IMC Group ®

IT.TE.DI.

High Number of PCD Cutting Edges for High Productivity!

TXGPA PCD Insert Geometries:
01/02 (finishing)
05 (roughing)
45 (medium roughing)
07 (semi-finishing)
09 (gasket retention)

Shell Mills:
Inch 2.00"-5.00"
Metric 50 mm-125 mm

Cylindrical Shank End Mills:
Inch 1.5"
Metric 40 mm

Monoblock Mills:
Metric 63 mm- 100 mm

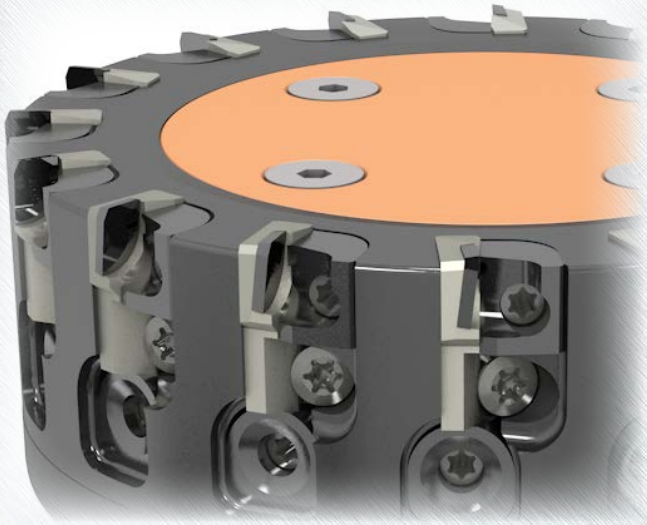
Features & Benefits:

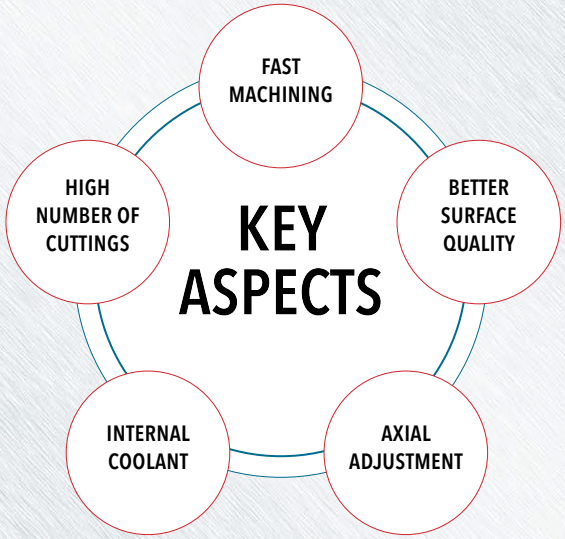
- High rigidity double clamping system to support High-Feed machining
- Up to .024" (.6mm) total axial adjustment to ensure an excellent surface finish
- Multiple cutting edge geometries to cover any application, including 90° and 75° lead angle
- 1.5" (40mm) available in cylindrical shank
- 2.0-5.0" (50mm-125mm) range in shell mill or monoblock bodies
- DOC capability of .157" (4mm)
- Ability to re-tip cartridges

Member IMC Group Ingersoll Cutting Tools

TEDISFEED™ INTRODUCTION

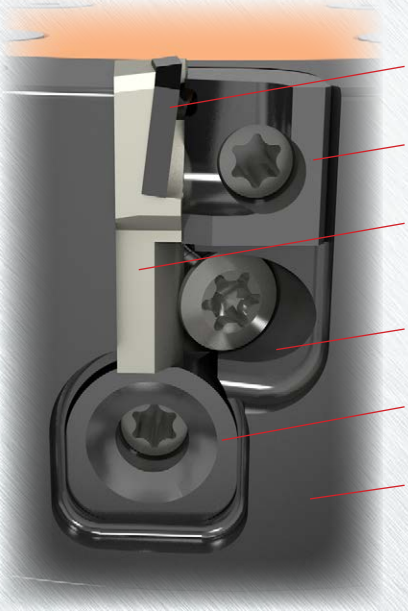
During CNC machining the cycle time is very important. To improve the productivity, while maintaining a perfect surface finish, IT.TE.DI. is now introducing the TEDISFEED line with a higher number of cutting edges.

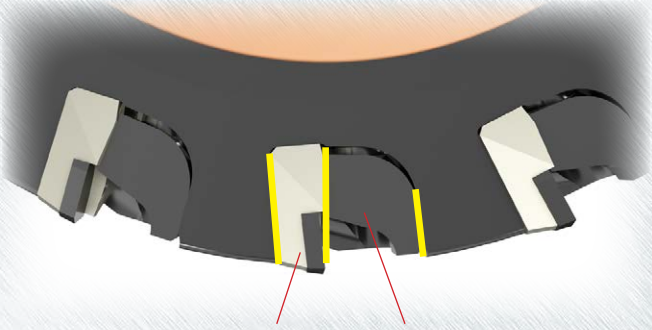




The fundamental characteristic, due to the high performance during the process, is the maintaining of the rigidity and stability of the mill and of its components. So, to have those aspects with the high number of cutting edges, we developed a special design cutting edge pack.

When the screw is clamped, it pushes the cartridge towards the mill's body; once the conical wedge has also been placed in its seat and it has been clamped, it further pushes the cartridge, thus locking it into place and proving better stability.





The precise height is guaranteed from the regulation of the adjusting wedge, that is placed below the cartridges. This product line also offers different cutting edge geometries to satisfy the customers requirements.

TEDISFEED™ DESIGNATION SYSTEM OF CUTTER BODIES

PRODUCT LINE	
TXG	TEDI EXTRA FEED

LENGTH	
D	MILLIMETRES

TYPE	
-	ADJUSTABLE

NUMBER OF WIPERS
...

TXG	SC	25	D	040	-	08	-	00

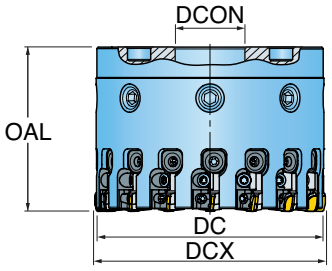
SHANK TYPE	
HA	HSK DIN 69893
SC	CYLINDRICAL SHANK
SM	SHELL TYPE

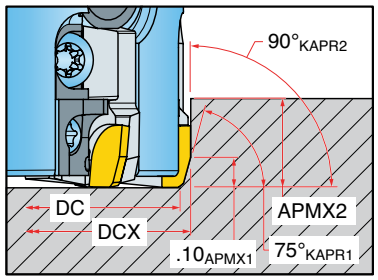
SHANK SIZE	
DIMENSION	CODE
25	25
63	63
PILOT BORE/THREAD	
22	
27	
32	
40	

NOMINAL DIAMETER
...

NUMBER OF CUTTING EDGES
...

TEDISFEED™ SHELL MILL WITH AXIAL ADJUSTMENT

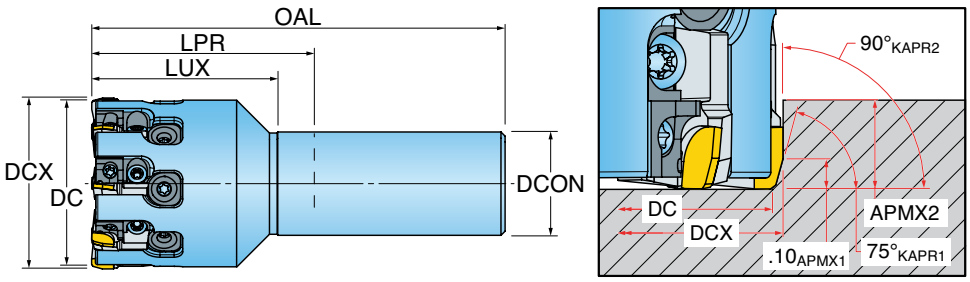




	Part Number[1]	DC (75°) Cutting Diameter	DC (90°) Cutting Diameter	DCX (75°) Cutting Diameter Max.	OAL Overall Length	ZEFF Eff. Teeth	Holder Shape	DCON Shank Diameter	BMC Body Material Code	Item
INCH	TXGSM22I020-10-00	1.94	2	2	2.17	10	A	22 mm	Steel	2742926
	TXGSM22I025-13-00	2.44	2.5	2.5	2.17	13	B	22 mm	Steel	2742927
	TXGSM27I030-16-00	2.94	3	3	2.28	16	A	27 mm	Steel	2742928
	TXGSM32I040-22-00	3.94	4	4	2.28	22	A	32 mm	Aluminum & Steel	2742929
	TXGSM40I050-28-00	4.94	5	5	2.28	28	A	40 mm	Aluminum & Steel	2742930
METRIC	TXGSM22D050-10-00	48.6	50	50	55	10	B	22 mm	Steel	2742926
	TXGSM22D063U13-00	61.6	63	63	55	13	A	22 mm	Steel	2747098
	TXGSM27D080U16-00	78.6	80	80	58	16	A	27 mm	Steel	2747099
	TXGSM32D100U22-00	98.6	100	100	58	22	A	32 mm	Aluminum & Steel	2747100
	TXGSM40D125U28-00	123.6	125	125	58	28	A	40 mm	Aluminum & Steel	2747101

Minimum diameter guaranteed with standard inserts. Refer to related table of available cutting geometry for more detail.
[1] Part number refers to body only, without inserts.

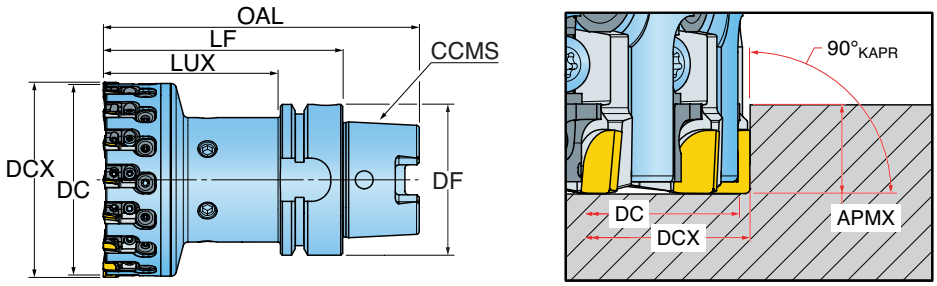
TEDISFEED™ CYLINDRICAL SHANK END MILL WITH AXIAL ADJUSTMENT



	Part Number[1]	DC (75°) Cutting Diameter	DC (90°) Cutting Diameter	DCX (75°) Cutting Diameter Max.	OAL Overall Length	ZEFF Eff. Teeth	Holder Shape	DCON Shank Diameter	BMC Body Material Code	Item
INCH	TXGSC01I015-07-00	1.44	1.5	1.5	3.94	7	Cylindrical	1.00	Steel	2742931
METRIC	TXGSC25D040U07-00	38.6	40	40	100	7	Cylindrical	25 mm	Steel	2747102

Minimum diameter guaranteed with standard inserts. Refer to related table of available cutting geometry for more detail.
[1] Part number refers to body only, without inserts.

TEDISFEED™ MONOBLOCK MILL WITH AXIAL ADJUSTMENT



	Part Number[1]	DC (75°) Cutting Diameter	DC (90°) Cutting Diameter	DCX (75°) Cutting Diameter Max.	OAL Overall Length	ZEFF Eff. Teeth	Holder Shape	DCON Shank Diameter	BMC Body Material Code	Item
METRIC	TXGHA63D063-13-00	63	64.4	64.4	100	13	HSK 63 A	52	Steel	2748906
	TXGHA63D080-16-00	80	81.4	81.4	100	16	HSK 63 A	52	Steel	2748905
	TXGHA63D100-22-00	100	101.4	101.4	100	22	HSK 63 A	52	Steel	2748907

Minimum diameter guaranteed with standard inserts. Refer to related table of available cutting geometry for more detail.
[1] Part number refers to body only, without inserts.
Monoblock mills available upon request.

TEDISFEED™ INSERTS

PRODUCT LINE	
TXG	TEDI S FEED

INSERT TYPE	
A	SCRAPER
R	WIPER

ROTATION	
R	RIGHT
L	LEFT

TXG	P	A	01	R	PB

CUTTING MATERIAL	
P	PCD
C	CBN

GEOMETRY
01
02
05
45
07
09

CUTTING EDGE GRADE	
PB*	PCB
CH*	CBN

** Alternative grades available, please contact IT.TE.DI. for choosing the best grade

TEDISFEED™ GEOMETRY

01

For finishing not square shoulder surfaces.

Achievable surface:
0.3 ≤ Ra ≤ 0.8

02

For finishing square shoulder surfaces.

Achievable surface:
0.3 ≤ Ra ≤ 0.8

05

For roughing or for cutting material with a high impurity content.

Achievable surface:
0.4 ≤ Ra ≤ 1

45

Suitable for finishing to medium roughing

Achievable surface:
0.4 ≤ Ra < 1

07

Suitable for semi-finishing rough surfaces

Achievable surface:
0.4 ≤ Ra < 1

09

Designed to provide rough surface for gasket retention

Achievable surface:
0.8 ≤ Ra ≤ 3.2

TEDISFEED™ PCD INSERTS

Part Number	Availability	Geometry	Rotation	Grade*	Item
TXGPA01RPJ	Stock	01	R	PB	2717188
TXGPA02RPJ	Stock	02	R	PB	2717189
TXGPA05RPJ	Stock	05	R	PB	2717190
TXGPA45RPJ	Stock	45	R	PB	2747053
TXGPA07RPJ	Stock	07	R	PB	2717191
TXGPA09RPJ	Stock	09	R	PB	2724019

Alternative grades available. Please contact IT.TE.DI. for choosing the best grade.