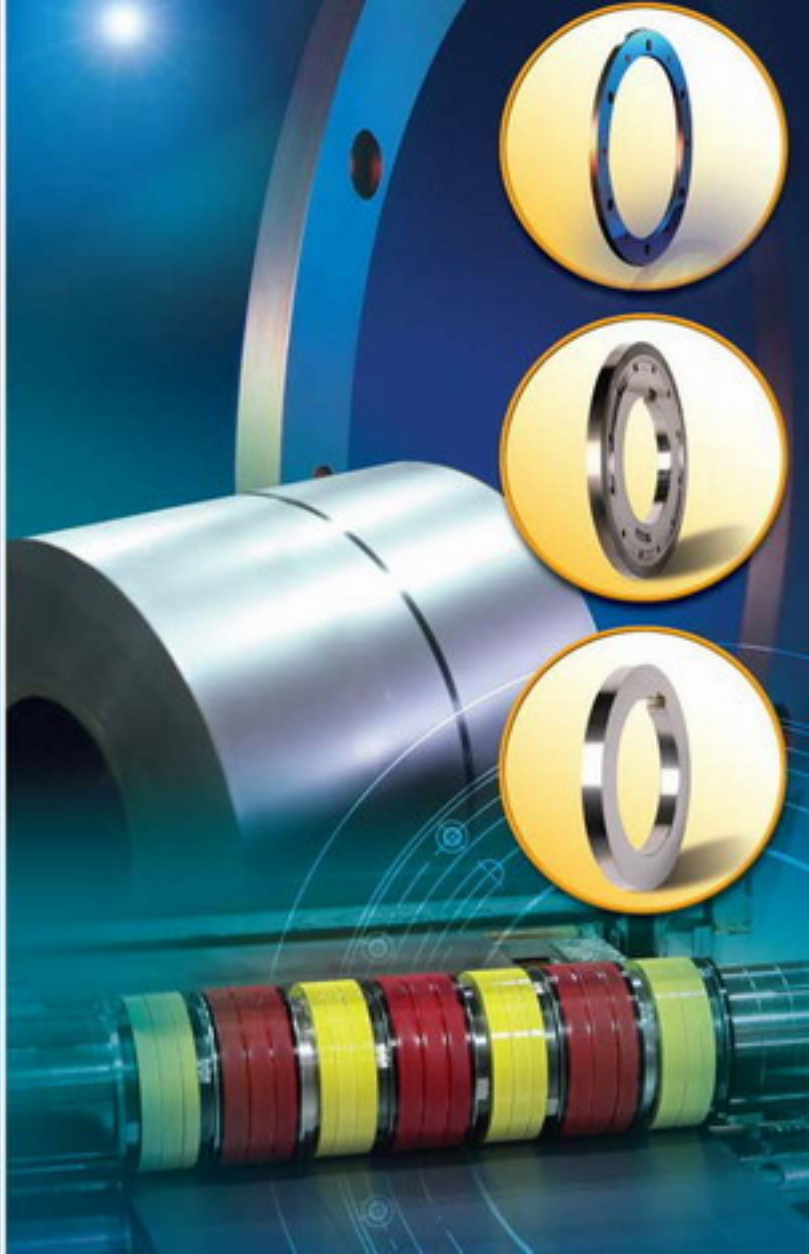


CARBIDE SLITTING KNIFE



2. Finishing Mill

TriRoll[®] for Reducing & Sizing Block

- ▶ In various grades for high performance with high surface finish enabling defect-free finished production.



Roll Size		Products		Rolling Speed (m/sec)	Grade
Outer Diameter (Ømm)	Width (mm)	Type	Final Size (Ømm)		
300-370	25-90	Oval, Round	10-60	5-20	T29H, T20M, T17L

BlockRoll[®]

- ▶ In grades for high wear-resistance.



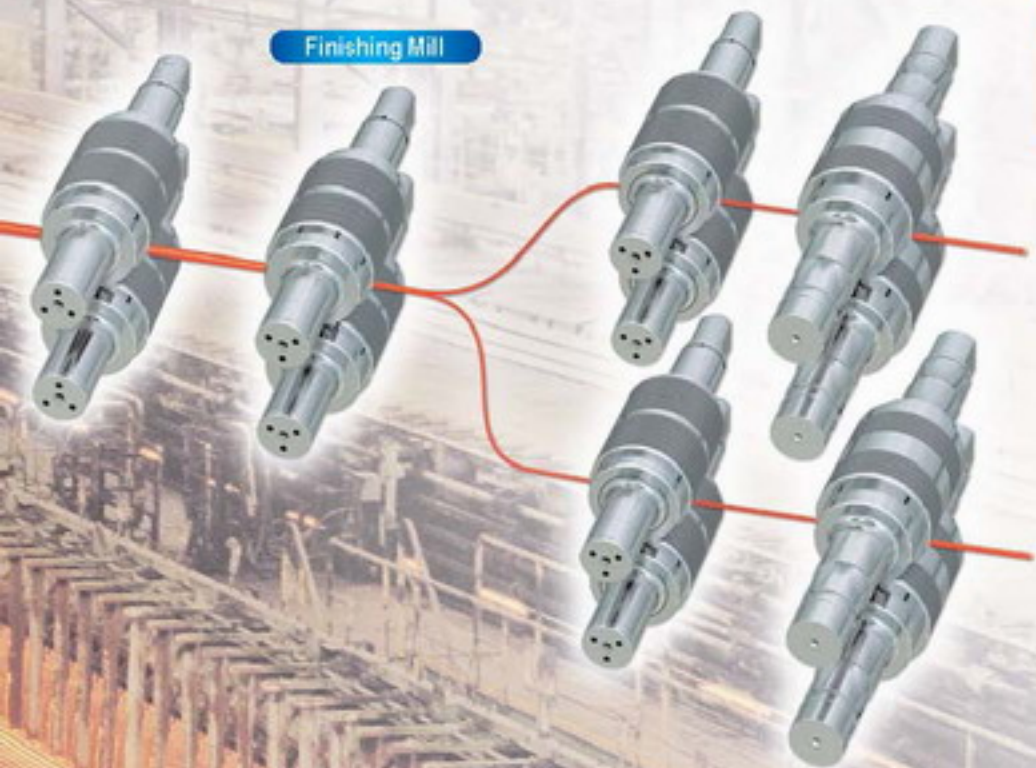
Roll Size		Products		Rolling Speed (m/sec)	Grade
Outer Diameter (Ømm)	Width (mm)	Type	Final Size (Ømm)		
208-212	60-72	Oval Round	5.5-14	10-20	T17L
158.75-166	57.3-70	Oval Round		60-120	T11L





- ▶ Minimum downtime for roll changes due to longer groove life-cycle with carbide rolls.
- ▶ Easy to assemble & disassemble.
- ▶ No slippage under extreme working conditions of high rolling torque & low rolling speed.
- ▶ Reduced mill downtime → maximum productivity.

Finishing Mill



● Wire Rod Mill

- ▶ Suitable for various applications from Finishing Block to Intermediate Mill
- ▶ Higher productivity with excellent surface finish of final products through precise dimension control during rolling.
- ▶ Minimizes downtime for roll changes.



CompositeRoll[®]
for Intermediate Mill

Intermediate Mill



CantileveRoll[®]
for Intermediate Mill

BlockRoll[®]
for Intermediate Mill





8" **BlockRoll**[®]
for Finishing Block



Guide Rolls



Pinch Rolls



Finishing Block

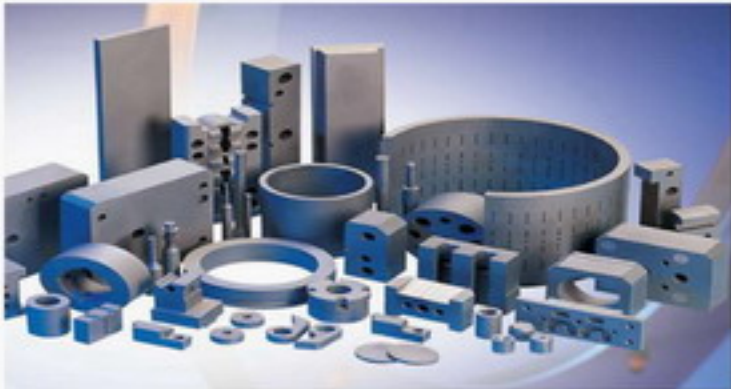


TriRoll[®]
for Reducing & Sizing Block



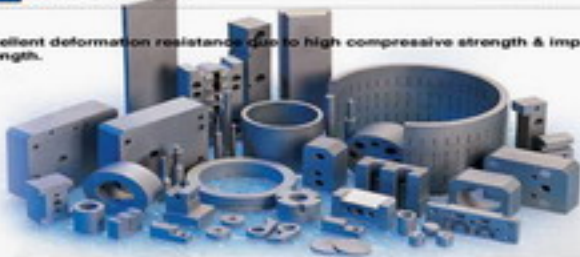
6" **BlockRoll**[®]
for Finishing Block





P REFORM

- Excellent deformation resistance due to high compressive strength & impact strength.



Wind Power INDUSTRY

Green Metalworking Solutions for the Wind Power Industry

TaeguTec contributes to the supply of green energy through its vast experience and specialized technology that enables wind turbine producers to efficiently and productively manufacture machined components for wind turbines.

Providing optimized machining solutions and cutting tools to the world's leading turbine manufacturers, TaeguTec is involved in producing the main parts of wind power generation and equipment. TaeguTec delivers reliable cutting tools and production solutions that are utilized in the manufacture of Tower Flanges, Main Shafts, Bearing Housings and Hubs as well as all the peripheral components.

TaeguTec provides total tooling solutions for heavy turning, milling and drilling to improve productivity and cut the cost of production with its machining specialists that will fulfil your machining demands.





How the Wind Turbine works



Main Parts



Hub



Main Frame



Tower Flange



Gear



Main Shaft



Bearing Housing



Additional Components



A Propeller

B Shaft

C Engine

- Crankcase
(Medium-speed Marine Engine)
- Crankshaft
- Cylinder Head
- Bed Plate + Frame + Block
(Low-speed Marine Engine)

Main Parts



Crankcase



Crankshaft



Cylinder Head



Propeller

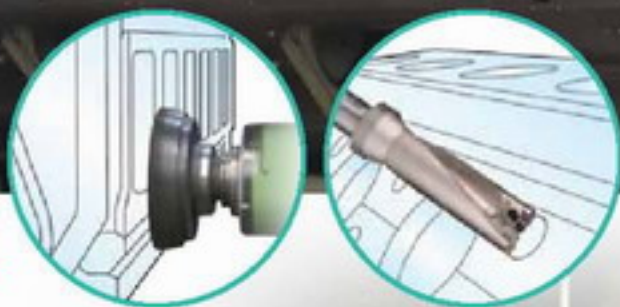


Shaft



Additional Parts

Crankcase



Milling

Milling solutions for the shipbuilding industry

For Roughing & Finishing

Many standard TaeguTec products are capable of solving most machining applications

For Roughing



For Finishing



HNHX



ANHX



SCKN



SPKT



SNGX



Drilling

Special heavy drilling solutions

Special T-Drill

T-DRILL

Indexable T-Drill
for high productivity



For Main Oil hole

T-DEEP

TBTA for
large diameters



TOPDRILL

for deep hole drilling



Specialist Solutions

Specialist solutions for the shipbuilding industry

Special cutters

Tailor Made tooling that is professionally designed can deliver improved productivity and efficiency. Machine power and work piece shape has to be considered.



For Roughing



bearing cap seat
machining
(Concave Cutter)

For Finishing



Boring

Boring solutions for the shipbuilding industry

For Finishing

Despite machining large diameters, tight tolerances and a high accuracy levels are a necessity. The TaeguTec tooling program enables end users to comfortably meet all its dimensional demands.



Special boring tool for
Crank bore machining



For Roughing





Crankshaft

Milling & Drilling

Milling & Drilling solutions for crankshaft machining

▶ For Pin & Journal Grooving

Turn-Mil machine tools are very popular for machining crankshafts



FYMK-MR

QMS2HOLD

QMS2FEED

BLMP

▶ Drilling Solution



T-DEEP

TOP DRILL

▶ For Crank Throw



APKT 1705 PERM

QMSMILL

SCKN 2708 HE

SCKN 2107 HE

QMSMILL



BTA

for weight reduction of Crank Throw (ø527mm)





Turbine Blade

Turbine blades are twisted blades assembled in the turbine rotor and they convert heat and speed energy received from steam into rotational motion. The blades should be corrosion and erosion resistant and highly durable with high fatigue and fracture strength under high temperature and pressure operation. Special alloy steels like forged stainless are often used for the components. An aerodynamic blade shape is necessary to optimize efficiency. Blade manufacture demands 5-axis machining and custom-made cutting tools to machine the 'fir tree' dovetail and 'finger type' dovetail shapes to be assembled with the rotor wheels.

Platform

For Milling

Indexable endmill cutters for shouldering, slotting, contouring and ramping operations



MILL-RUSH



3PKT-M



TE90WP-17



APKT 170532R-EM



AXMT 06 HF



TE90AX-05

For Endmilling

- Optimal cutting edge geometry and grades for hardened steels
- ATIN Coating



HTES

HES

SDE 4

Aerofoil - Platform Transition

For Endmilling

- Helical taper ball endmill for profiling and taper machining
- ATIN Coating



HTE

HTB

