Machine Cutting Torches
Machine Cutting Torch TR15
The PROFESSIONAL

FOR ALL CONTINUOUS CASTING APPLICATIONS

Machine cutting torches for cutting of cold or hot, carbon or stainless steel grades up to 600 mm thickness used in:

- Billet, Bloom, Beam Blank, Slab Continuous Casting Plants
- Cut to length equipment and Slitting Machines
- Sample Cutting Machines

- heavy-duty, flow optimized steel mill design
- Large-connections, therefore minimum pressure loss
- Water-cooling direct to nozzle seat
- Separation of cutting nozzle and set screw, therefore no relative motion during tightening and no wear on sealing surfaces
- Suitable for all practicable fuel gases except acetylene
- Integrated pilot flame during operation with post mixing nozzles, or separated pilot torch for gas mixing nozzles
- Marked with unique serial number for quality control purposes
Machine Cutting Torch TR15
The Professional

Set Screw:
10000010 (brass version)
10000362 (stainless version)

Torch TR15

Cutting Nozzles:
Block mixing
- NZ13BMCD up to 300 mm
- NZ16BMCD up to 600 mm

NEW post mixing type
- NZ13PMSD
- NZ14PMSD
- NZ16PMSD

Post mixing
- NZ13PMCD up to 300 mm
- NZ14PMCD up to 450 mm
- NZ16PMCD up to 600 mm

- interchangeable to old nozzle series PB0x00N-PM-06 or DB0x00N-PM-06
- high cutting speed by optimized design
- long endurance time by large nozzle distance (up to 175 mm)
- “flying” start of cut due to high heating capacity
- high reliability of operation by cone shaped sealing
- high economy by smallest cutting kerfs
- long lifetime by easy maintenance
- suitable for all practicable fuel gases (except acetylene)
- Low noise levels (NZxxPMSD) >90 dB(A) under normal operation
- Lowest consumptions (NZxxPMSD) savings up to 23%
Machine Cutting Torch TG 1
The CHANGE

Replace your existing torch against a flow optimized one from TCT

Machine cutting torches for cutting of cold or hot, alloyed or unalloyed steel grades up to 600 mm thickness. The optimized replacement for GeGa; Alpine Metal Tech, ALBA, SALDOTECNICA; Chinese Brands whatsoever. If you are not sure if it the torch would fit to your existing cutting machine, do not hesitate to contact us at: office@tct-sl.com

Replaces: SB 500 F torches; ALBACUT 6 torches; ALBACUT 7 torches; SL/CAV torches
Replacement of: ALBACUT 691 and ALBACUT 791 also available.

✓ Billet, Bloom, Beam Blank, Slab Continuous Casting Plants
✓ Cut to length equipment
✓ Slitting Machines
✓ Sample Cutting Machines

➢ heavy-duty, flow optimized steel mill design
➢ suitable for all practicable fuel gases except acetylene
➢ marked with unique serial number for quality control purposes
Machine Cutting Torch TG 1
The CHANGE

Torch TG1

Cutting nozzles available

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<tr>
<th>High Pressure</th>
<th>Carbon steel cutting SDS-xxxF AOG</th>
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- Interchangeable with GeGa, ALBA, Alpine Metal Tech, Saldotecnica
- higher cutting speed by optimized manufacturing
- Special material composition for highest life time
Machine Cutting Torch TR25
The PERFORMER

For Forgings, Scrap, Ingots and Foundries

Machine cutting torches for cutting of cold or hot, carbon or stainless steel grades up to 1200 mm thickness used in

✓ Forging Shops for shape and head cutting
✓ Foundries for cutting Risers and complex Castings
✓ Ingot Casting and Head Cutting
✓ Scrap Yards for Re-Melting Preparation

➢ heavy-duty, flow optimized steel mill design
➢ Large-connections, therefore minimum pressure loss
➢ water-cooling direct to nozzle seat
➢ separation of cutting nozzle and set screw, therefore no relative motion during tightening and no wear on sealing surfaces
➢ suitable for all practicable fuel gases except acetylene
➢ integrated pilot flame
➢ marked with unique serial number for quality control purposes
Machine Cutting Torch TR25
The PERFORMER

Torch TR25

Set Screw : 10000018

Cutting Nozzles :

- NZ23PMCD up to 300 mm
- NZ26PMCD up to 600 mm
- NZ29PMCD up to 900 mm
- NZ2CPMCD up to 1200 mm

- interchangeable to old nozzle series PBxx00N-PM-12
- high cutting speed by optimized design
- long endurance time by large nozzle distance
- high economy by smallest cutting kerfs
- long lifetime by easy maintenance
- Smooth and parallel cut surfaces
- Suitable for shape cutting
- suitable for all practicable fuel gases (except acetylene)
Machine Cutting Torch TR37
The POWER BARREL

For All BIG JOBS

Machine cutting torches for cutting of cold or hot, carbon or stainless steel grades up to 2000 mm thickness used in

❖ Forging Shops for shape and head cutting
❖ Foundries for cutting Risers and complex Castings
❖ Ingot Casting and Head Cutting
❖ Scrap Yards for Re-Melting Preparation

➢ heavy-duty, flow optimized steel mill design
➢ Large-connections, therefore minimum pressure loss
➢ water-cooling direct to nozzle seat
➢ separation of cutting nozzle and set screw, therefore no relative motion during tightening and no wear on sealing surfaces
➢ suitable for all practicable fuel gases except acetylene
➢ integrated pilot flame
➢ marked with unique serial number for quality control purposes
Machine Cutting Torch TR37
The POWER BARREL

Cutting Nozzles:
- NZ33PMCD up to 300 mm
- NZ36PMCD up to 600 mm
- NZ37PMCD up to 700 mm
- NZ39PMCD up to 900 mm
- NZ3CPMCD up to 1200 mm
- NZ3FPMCD up to 1500 mm
- NZ3KPMCD up to 2000 mm
- NZ3KPMSD up to 2000 mm

- interchangeable to old nozzle series PBxx00N-PM-15
- high cutting speed by optimized design
- long endurance time by large nozzle distance
- high economy by smallest cutting kerfs
- long lifetime by easy maintenance
- Smooth and parallel cut surfaces
- Suitable for shape cutting
- suitable for all practicable fuel gases (except acetylene)
Machine cutting torches for cutting of cold or hot, carbon or stainless steel grades up to 2500 mm thickness used in:

- Forging Shops for head cutting
- Foundries for cutting Risers
- Ingot Casting
- Scrap Yards for Re-Melting Preparation

- Heavy-duty, flow optimized steel mill design
- Large-connections, therefore minimum pressure loss
- Water-cooling direct to nozzle seat
- Suitable for all practicable fuel gases except acetylene
- Integrated pilot flame
- Marked with unique serial number for quality control purposes
Machine Cutting Torch TR47
The GIANT

Torch TR47

Sealing Kit:
20000016

Cutting Nozzles:
NZ4CPMCD (1200 mm)
NZ4KPMCD (2000 mm)
NZ4PPMCD (2500 mm)

- interchangeable to old nozzle series PBxx00N-PM-20
- high cutting speed by optimized design
- long endurance time by large nozzle distance
- long lifetime by easy maintenance
- Smooth and parallel cut surfaces at low operating pressures
- Suitable for straight cutting only
- suitable for all practicable fuel gases (except acetylene)
THE NEW LEVEL IN PARTNERSHIP FOR THE STEEL MILL INDUSTRY

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