

MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

Three-hose machine cutting torch, for ring/slot nozzles

MS 832

Type	Shaft length	Art. No. Type A	Art. No. Type PMYE	Cat. No.
MS 832 / 110	110 mm	716.11147	716.11148	005
MS 832 / 160	160 mm	716.11149	716.11150	005
MS 832 / 250	250 mm	716.11127	716.11142	005

Shaft diameter: 32 mm / Cutting range: up to 300 mm

for flame cutting machines of series
MINISEC, SECATOR, CORTA, STATOSEC, MULTISEC, OMNIMAT,
SICOMAT, CORTINA, SANCUT, COMCUT, EASYTHERM

Type A for acetylene / Type PMYE for propane, methane, MAPP, ethylene



Three-hose machine cutting torch with toothed rack, for ring/slot nozzles

MSZ 832

Type	Shaft length	Art. No. Type A	Art. No. Type PMYE	Cat. No.
MSZ 832 / 320 *	320 mm	716.11170	716.11171	005
MSZ 832 / 110 **	110 mm	716.51787	716.51788	005

Shaft diameter: 32 mm / Cutting range: up to 300 mm

* for flame cutting machine CORTA SM
** for hand cutting machine PORTACUT, TURBOCUT

Type A for acetylene / Type PMYE for propane, methane, MAPP, ethylene



Three-hose machine cutting torch, for cylindrical nozzles Nozzle Quick Change system

MS 932

Type	Shaft length	Art. No. Type A	Art. No. Type PMYE	Cat. No.
MS 932 / 110	110 mm	716.11412	716.11413	005
MS 932 / 160	160 mm	716.11414	716.11415	005
MS 932 / 250	250 mm	716.11315	716.11317	005

Shaft diameter: 32 mm / Cutting range: up to 300 mm

Patented nozzle quick change system, cutting nozzle and heating cap are changed by hand without tools

for flame cutting machines of series
MINISEC, SECATOR, CORTA, STATOSEC, MULTISEC, OMNIMAT,
SICOMAT, CORTINA, SANCUT, COMCUT, EASYTHERM

Type A for Fuel gas acetylene / Type PMYE for Fuel gas propane, methane, MAPP, ethylene



MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

MSZ 932

Three-hose machine cutting torch with toothed rack, for cylindrical nozzles Nozzle Quick Change system



Type	Shaft length	Art. No. type A	Art. No. type PMYE	Cat. No.
MSZ 932 / 320 *	320 mm	716.11410	716.11411	005
MSZ 932 / 110 **	110 mm	716.55538	716.55539	005

Shaft diameter: 32 mm / Cutting range: up to 300 mm
Patented nozzle quick change system, cutting nozzle and heating cap are changed by hand without tools

***for flame cutting machines of series:
MINISEC, SECATOR, CORTA, STATOSEC, MULTISEC, OMNIMAT,
SICOMAT, CORTINA, SANCUT, COMCUT, EASYTHERM**
**** for hand cutting machine PORTACUT, TURBOCUT**

Type A for acetylene / Type PMYE for propane, methane, MAPP, ethylene

MS 3450 / 250

Four-hose machine cutting torch with internal electrical ignition, for ring/slot nozzles



Type	Shaft length	Art. No. type A	Art. No. type PMYE	Cat. No.
MS 3450 / 250	220 mm	716.51310 *	716.51320 *	005

SERVICE part only (new design: MS 3452)

Shaft diameter: 45 mm / Cutting range: up to 300 mm

**for flame cutting machines of series:
CORTA, STATOSEC, OMNIMAT**

Torch cannot be fitted to swivel-type and rotating triple-type torch assemblies!

Type A for acetylene / Type PMYE for propane, methane, MAPP, ethylene

MS 3452 / 250

Four-hose machine cutting torch with internal electrical ignition, for ring/slot nozzles



Type	Shaft length	Art. No. type A	Art. No. type PMYE	Cat. No.
MS 3452 / 250	220 mm	716.11010	716.11011	005

Shaft diameter: 45 mm / Cutting range: up to 300 mm

**for flame cutting machines of series:
CORTA, STATOSEC, OMNIMAT, CORTINA, COMCUT, EASYTHERM**

Torch cannot be fitted to swivel-type and rotating triple-type torch assemblies!

Dosing unit for machine cutting torch MS 3452 A / PMYE

for MS 3452 / 60 Hz	716.11489	005
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Type A for acetylene / Type PMYE for propane, methane, MAPP, ethylene



MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

Three-hose machine cutting torch for gas-mixing nozzles with 30° sealing cone

MSID 100 K

Type	Shaft length	Art. No.	Cat. No.
MSID 100 K- A/PMYE	100 mm	716.51356	005

Shaft diameter: 14 mm / Cutting range: up to 300 mm

for flame cutting machines **OMNIMAT**, with automatic bevel-angle adjustment or rotating triple-type torch assembly **DAFL**

for fuel gases: acetylene or propane, methane, MAPP, ethylene



Three-hose machine cutting torch for gas-mixing nozzles with 30° sealing cone

MSID 100 - 450

Type	Shaft length	Art. No.	Cat. No.
MSID 110-A/PMYE	110 mm	554.90230	005
MSID 160-A/PMYE	160 mm	554.90210	005
MSID 180-A/PMYE	180 mm	716.11533	005
MSID 250-A/PMYE	250 mm	716.11536	005
MSID 450-A/PMYE	450 mm	716.11537	005

Shaft diameter: 32 mm / Cutting range: up to 300 mm (MSID 450: up to 500 mm)

for flame cutting machines of series:
MULTISEC, OMNIMAT, SICOMAT

for acetylene or propane, methane, MAPP, ethylene



Three-hose machine cutting torch with toothed rack, for gas-mixing nozzles with 30° sealing cone

MSIDZ 100 - 160

Type	Shaft length	Art. No.	Cat. No.
MSIDZ 110-A/PMY *	110 mm	716.51789	005
MSIDZ 160-A/PMYE	160 mm	554.90220	005

* for portable flame cutting machines of series **PORTACUT, TURBOCUT**

Shaft diameter: 32 mm / Cutting range: up to 300 mm

for flame cutting machines of series:
MULTISEC, OMNIMAT, SICOMAT

for acetylene or propane, methane, MAPP, ethylene



MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

MSAP 6321

Three-hose heavy-duty machine cutting torch for outer-mixing nozzles with 30° sealing cone



Type	Shaft length	Art. No.	Cat. No.
MSAP 6321- PMY	180 mm	716.11541	005

Shaft diameter: 32 mm / Cutting range: up to 600mm

for flame cutting machines of series:
SECATOR, CORTA, CORTINA, STATOSEC, MULTISEC, OMNIMAT, SICOMAT,
SCANCUT, COMCUT, EASYTHERM

for propane, methane, MAPP

MSD 250

Three-hose heavy-duty machine cutting torch, for gas-mixing nozzles



Type	Shaft length	Art. No.	Cat. No.
MSD 250-A/PMY	250 mm	716.01365	005

Shaft diameter: 32 mm
Cutting range: 100 to 500 mm with acetylene
Cutting range: 100 to 600 mm with propane, methane, MAPP

for flame cutting machines of series:
SECATOR, CORTA, CORTINA, STATOSEC, MULTISEC, OMNIMAT, SICOMAT,
SCANCUT, COMCUT, EASYTHERM

for acetylene, propane, methane, MAPP

QUICKY

Three-hose heavy-duty machine cutting torch, for gas-mixing nozzles



Type	Art. No. Type A	Art. No. Type PMYE	Cat. No.
Quicky with ring / slot nozzles	540.93330	545.93330	005
Quicky with gas-mixing nozzles	716.11040	716.11040	005

Torch head diameter: 27 mm
Cutting range: up to 100 mm / with adjusting valves, flashback arrestors and connecting hoses

for hand cutting machine QUICKY

Type A acetylene / Type PMYE for propane, methane, MAPP, ethylene

MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

Accessories for machine cutting torches series MS 832 / MS 932

STRIP CUTTING TORCH

Description	Working radius	Cutting range	Art. No.	Cat. No.
Strip cutting torch MS 832	30-400 mm	3-60 mm	716.51155	005

Strip cutting torch MS 932	30-450 mm	3-60 mm	716.11600	005
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Additional devices for increased cutting efficiency and reduced warping when cutting sheet strips

for fuel gases: acetylene or propane, methane, MAPP, ethylene



Accessories for machine cutting torches series MS 832 / MS 932

SWIVELLING TORCH HEAD

Description	Swivel range	Cutting range	Art. No.	Cat. No.
Swivelling torch head MS 832	± 90°	3-300 mm	716.51295	005

Swivelling torch head MS 832, with preheating	± 90°	3-300 mm	716.52032	005
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Swivelling torch head MS 932	± 90°	3-300 mm	716.11425	005
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Additional devices for carrying out bevel cuts in length and cross directions

for fuel gases: acetylene or propane, methane, MAPP, ethylene



Accessories for machine cutting torches series MS

AIR COOLING ATTACHMENT

Description	Art. No.	Cat. No.
Air cooling attachment	716.51251	005

Air shut-off valve G 1/4" for compressed air	718.00668	005
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Additional devices for cutting of thin sheets

for fuel gases: acetylene or propane, methane, MAPP, ethylene



MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

ADJUSTING VALVES

Accessories for machine cutting torches



Description	Connection/hose tail	Art. No.	Cat. No.
Heating oxygen	G 1/4", DN 6	718.00500	005
Cutting oxygen	G 3/8", DN 9	718.00501	005
Fuel gas	G 3/8" LH, DN 9	718.00502	005
Heating oxygen	G 1/2", DN 8	718.04290	000
Cutting oxygen	G 1/2", DN 11	718.03691	148
Fuel gas	G 1/2" LH, DN 8	718.00855	005
Adjusting valves for machine cutting torches MS / MSID / MSAP			

ACCESSORIES

Optional: for machine cutting torches MS / MSID / MSAP / MSD

Cutting oxygen supply without pressure-drop, above 100 mm cutting thickness



Description	Torch inlet conn.	Art. No.	Cat. No.
Ball valve	G 3/8" – DN 10 - Oxygen	722.44775	000
Non-return valve GRV 91 UA	G 1/2" (M) – G 3/8" (F) - Oxygen	770.05116	043



Safety units: FA, NV

FA = Flame arrestor

NV = Non-return valve

MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

T-fitting for machine cutting torches MS / MSID / MSAP / MSD

TEST ADAPTERS

Description	Torch inlet connection	Art. No.	Cat. No.
Heating oxygen	G 1/4"	718.25530	004
Cutting oxygen	G 3/8"	718.25532	004
Fuel gas	G 3/8" LH	718.25534	004



To be used with test pressure gauges, for machine torches MS / MSID / MSAP / MSD

Test pressure gauges for machine cutting torches MS / MSID / MSAP / MSD Acc. to ISO 5171

TEST GAUGES

Description		Art. No.	Cat. No.
Oxygen	Scale 0 - 16 bar / working range 10 bar	0.640.477	008
	Scale 0 - 25 bar / working range 16 bar	0.640.109	008
Acetylene	Scale 0 - 2,5 bar / working range 1,5 bar	0.640.479	008
MAPP / propane / methane	Scale 0 - 4 bar / working range 2,5 bar	0.640.069	004
Propane / methane / MAPP	Scale 0 - 2,5 bar / working range 1,5 bar	0.640.070	004
Ø 63mm , conn. thread G1/4"			
-To be mounted in centre of test adapter-			
Gauge seal		452.08020	008



Torch head rework for machine cutting torches

MILLING TOOLS

Description	Type of cutting nozzle	For machine cutting torch	Art. No.	Cat. No.
Nozzle seat milling tool WSF 7521	Ring/slot nozzles	MS / MSZ	0.939.005	000
Nozzle seat milling tool WSF 7019	Gas-mixing nozzles 30°	MSID	0.912.001	000



MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

QUICKY

Safety devices for machine cutting torch QUICKY



Gas type	Connection	Operating pressure (max.)	Art. No.	Cat. No.
Oxygen	M 7 x 0,75	15	716.11130	041
Fuel gas	M 7 x 0,75	5,0	716.11129	041

Safety units: FA, NV

Fuel gas Operating pressure (max.): Acetylene 1,5 bar, Hydrogen 3,5 bar

MS / MSID / MSAP

Non-return valves for machine cutting torches MS / MSID / MSAP



Gas type	Connection	Operating pressure (max.)	Art. No.	Cat. No.
Heating oxygen	G 1/4"	15	0.647.583	041
Cutting oxygen	G 3/8"	15	0.647.584	041
Fuel gas	G 3/8" LH	5,0	0.346.364	041
Ignition gas mixture for MS 3450	G 1/4" LH	5,0	716.51362	041
Ignition gas mixture for MS 3452	G 3/8" LH	5,0	716.11048	041
Ignition gas mixture for MS 3452	G 1/4" LH	5,0	716.11173	041

Safety units: NV

Fuel gas Operating pressure (max.): Acetylene 1,5 bar, Hydrogen 3,5 bar

MSD

Non-return valves for machine cutting torch MSD



Gas type	Connection	Operating pressure (max.)	Art. No.	Cat. No.
Heiz-Oxygen	G 3/8"	15	0.647.584	041
Schneid-Oxygen	G 1/2"	15	0.346.020	041
Fuel gas	G 3/8" LH	5,0	0.346.364	041

Safety units: NV

Fuel gas Operating pressure (max.): Acetylene 1,5 bar, Hydrogen 3,5 bar

DG 91 UA

Safety devices for machine cutting torches



Gas type	Connection	Operating pressure (max.)	Art. No.	Cat. No.
Oxygen	G 1/4" RH	15	0.463.372	041
Oxygen	G 3/8" RH	15	0.463.373	041
Oxygen	G 1/2" RH	15	0.463.374	041
Fuel gas	G 3/8" LH	5,0	0.463.857	041
Fuel gas	G 1/2" LH	5,0	0.463.858	041

Safety units: FA, NV

-reverse flow direction-

Fuel gas Operating pressure (max.): Acetylene 1,5 bar, Hydrogen 3,5 bar

FA = Flame arrestor, NV = Non-return valve, SV = Gas shut-off
TV = Thermal-sensitive cut-off, PV = Pressure-sensitive gas shut-off

MACHINE CUTTING NOZZLES

APPLICATION OVERVIEW

Torch system	QUICKY	MS / MSZ 832	MS / MSZ 932	MS 3450 / MS 3452	MSID / MSIDZ	MSAP 6321	MSD 250
Machine cutting nozzles for Acetylene (fast burning gases)							
A-RS	●	●		●			
VADURA 1210-A / +PLUS+ 1210-A	●	●		●			
VADURA 1215-A / +PLUS+ 1215-A	●	●		●			
VADURA 1090-A	●	●		●			
VADURA 9215-A			●				
VADURA 9090-A			●				
A-CID	●				●		
GRICUT 5310-A							●
Torch system	QUICKY	MS / MSZ 832	MS / MSZ 932	MS 3450 / MS 3452	MSID / MSIDZ	MSAP 6321	MSD 250
Machine cutting nozzles for Propane, Methane, Mapp, Ethylene (slow burning gases)							
PL-RC	●	●		●			
GRICUT 1230-PMYE / +PLUS+ 1230 PMYE	●	●		●			
GRICUT 1090-PMYE	●	●		●			
GRICUT 1270-PY / +PLUS+ / 1270-PY	●	●		●			
GRICUT 1280-PMYE / +PLUS+ 1280-PMYE		●		●			
GRICUT 5281-PMY							●
GRICUT 8281-PMYE	●				●		
GRICUT 8281-PM					●		
GRICUT 8280-PMYE					●		
GRICUT 8480-PMYE						●	
GRICUT 9230-PMYE			●				
GRICUT 9280-PMYE			●				
GRICUT 9090-PMYE			●				

MACHINE CUTTING NOZZLES

CUTTING NOZZLES ACETYLENE

A-RS

Standard ring/slot nozzles for machine cutting torches QUICKY and MS/MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
A-RS	2 - 8 mm	2,0 - 2,5 bar	666.17101	007
	3 - 10 mm	2,0 - 2,5 bar	666.17102	007
	10 - 25 mm	2,0 - 2,5 bar	666.17103	007
	25 - 40 mm	4,0 - 5,0 bar	666.17104	007
	40 - 60 mm	4,0 - 5,0 bar	666.17105	007
	60 - 100 mm	4,0 - 5,0 bar	666.17106	007
	100 - 200 mm	5,0 - 6,0 bar	666.17107	007
	200 - 300 mm	5,0 - 6,0 bar	666.17108	007
Heating nozzles	2 - 100 mm		666.17115	007
	100 - 300 mm		666.17116	007

VADURA 1215-A

High-speed ring/slot nozzles for machine cutting torches QUICKY and MS/MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
VADURA 1215-A	3 - 5 mm	2,0 - 3,0 bar	716.15941	032
	6 - 10 mm	4,0 - 5,0 bar	716.15942	032
	10 - 25 mm	6,5 - 7,5 bar	716.15943	032
	25 - 40 mm	6,5 - 8,0 bar	716.15944	032
	40 - 60 mm	6,5 - 8,5 bar	716.15945	032
	60 - 100 mm	6,5 - 8,0 bar	716.15946	032
	100 - 150 mm	6,5 - 7,0 bar	716.15947	032
	VADURA 1210/1215-A	150 - 230 mm	6,0 - 7,5 bar	716.15948
	230 - 300 mm	7,0 - 8,5 bar	716.15949	032
Heating nozzles	3 - 150 mm		716.15950	032
	150 - 300 mm		716.15951	032

MACHINE CUTTING NOZZLES

CUTTING NOZZLES ACETYLENE

High-speed ring/slot nozzles for machine cutting torches QUICKY and MS/MSZ

VADURA +PLUS+ 1215-A

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
VADURA +PLUS+ 1215-A	3 - 5 mm	2,0 - 3,0 bar	716.16161 *	032
	6 - 10 mm	4,0 - 5,0 bar	716.16162 *	032
	10 - 25 mm	6,5 - 7,5 bar	716.16163 *	032
	25 - 40 mm	6,5 - 8,0 bar	716.16164 *	032
	40 - 60 mm	6,5 - 8,5 bar	716.16165 *	032
	60 - 100 mm	6,5 - 8,0 bar	716.16166 *	032
	100 - 150 mm	6,5 - 7,0 bar	716.16167 *	032
	150 - 230 mm	6,0 - 7,5 bar	716.16179 *	032
Heating nozzles	3 - 150 mm		716.16170 *	032
	150 - 300 mm		716.16182 *	032



High-speed ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ Optimised cutting to meet requirements of DIN EN 1090-2-6.3

VADURA 1090-A

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
VADURA 1090-A	10 - 25 mm	4,0 - 5,0 bar	716.16788 *	032
	25 - 40 mm	4,0 - 5,0 bar	716.16789 *	032
	40 - 60 mm	4,0 - 5,0 bar	716.16790 *	032
	60 - 100 mm	4,0 - 5,0 bar	716.16791 *	032
Heating nozzles	2 - 100 mm		716.16792 *	032



High-efficiency ring/slot nozzles for machine cutting torches QUICKY and MS/MSZ

VADURA 1210-A

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
VADURA 1210-A	2 - 5 mm	2,0 - 3,0 bar	716.15760	032
	3 - 5 mm	2,0 - 3,0 bar	716.15761	032
	6 - 10 mm	4,0 - 5,0 bar	716.15762	032
	10 - 25 mm	9,0 - 12,0 bar	716.15763	032
	25 - 50 mm	7,5 - 11,0 bar	716.15764	032
	50 - 80 mm	9,0 - 12,0 bar	716.15765	032
	80 - 100 mm	9,5 - 11,0 bar	716.15766	032
	100 - 150 mm	6,5 - 7,0 bar	716.15769	032
VADURA 1210/1215-A	150 - 230 mm	6,5 - 7,5 bar	716.15948	032
	230 - 300 mm	7,0 - 8,5 bar	716.15949	032
Heating nozzles	3 - 150 mm		716.15770	032
	150 - 300 mm		716.15951	032



Version: 01/2022

MACHINE CUTTING NOZZLES

CUTTING NOZZLES ACETYLENE

VADURA +PLUS+ 1210-A

High-efficiency ring/slot nozzles for machine cutting torches **QUICKY** and **MS/MSZ**



Type	Cutting range	Cutting O ₂ -pressure	Art. No.	Cat. No.
VADURA +PLUS+ 1210-A	2 - 5 mm	2,0 - 3,0 bar	716.16171 *	032
	3 - 5 mm	2,0 - 3,0 bar	716.16172 *	032
	6 - 10 mm	4,0 - 5,0 bar	716.16173 *	032
	10 - 25 mm	9,0 - 12,0 bar	716.16174 *	032
	25 - 50 mm	7,5 - 11,0 bar	716.16175 *	032
	50 - 80 mm	9,0 - 12,0 bar	716.16176 *	032
	80 - 100 mm	9,5 - 11,0 bar	716.16177 *	032
	100 - 150 mm	6,5 - 7,0 bar	716.16178 *	032
	150 - 230 mm	6,5 - 7,5 bar	716.16179 *	032
	230 - 300 mm	7,0 - 8,5 bar	716.16180 *	032
Heating nozzles	3 - 150 mm		716.16181 *	032
	150 - 300 mm		716.16182 *	032

VADURA 9215-A

Cylindrical high-speed nozzles for machine cutting torches **MS 932**



Type	Cutting range	Cutting O ₂ -pressure	Art. No.	Cat. No.
VADURA 9215-A	3 - 5 mm	2,0 - 3,0 bar	716.16561	032
	6 - 10 mm	4,0 - 5,0 bar	716.16562	032
	10 - 25 mm	6,5 - 7,5 bar	716.16563	032
	25 - 40 mm	6,5 - 8,0 bar	716.16564	032
	40 - 60 mm	6,5 - 8,5 bar	716.16565	032
	60 - 100 mm	6,5 - 8,0 bar	716.16566	032
	100 - 150 mm	6,5 - 7,0 bar	716.16567	032
	150 - 230 mm	6,5 - 7,5 bar	716.16568	032
Heating nozzles	230 - 300 mm	6,5 - 7,5 bar	716.16569	032
	3 - 100 mm		716.16550	032
	100 - 300 mm		716.16560	032

VADURA 9090-A

Cylindrical high-speed nozzles for machine cutting torches **MS 932** Optimised cutting to meet requirements of **DIN EN 1090-2-6.3**



Type	Cutting range	Cutting O ₂ -pressure	Art. No.	Cat. No.
VADURA 9090-A	3 - 10 mm	2,0 - 2,5 bar	716.16752 *	032
	10 - 25 mm	6,0 - 7,0 bar	716.16753 *	032
	25 - 40 mm	6,0 - 7,5 bar	716.16754 *	032
	40 - 60 mm	5,5 - 7,5 bar	716.16755 *	032
	60 - 100 mm	6,0 - 8,5 bar	716.16756 *	032
Heating nozzles	3 - 100 mm		716.16550	032

MACHINE CUTTING NOZZLES

CUTTING NOZZLES ACETYLENE

Gas-mixing high-speed nozzles for machine cutting torches QUICKY and MSID/MSIDZ

A-CID

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
A-CID	3 - 5 mm	2,0 - 3,0 bar	716.16020	007
	6 - 10 mm	4,0 - 5,0 bar	716.16021	007
	10 - 25 mm	6,0 - 7,0 bar	716.16022	007
	25 - 40 mm	6,0 - 7,0 bar	716.16023	007
	40 - 60 mm	5,5 - 7,0 bar	716.16024	007
	60 - 80 mm	2,0 - 2,5 bar	716.16025	007
	80 - 100 mm	5,0 - 6,0 bar	716.16026	007
	100 - 200 mm	3,0 - 6,0 bar	716.16027	007
	200 - 300 mm	4,0 - 6,0 bar	716.16028	007



Heavy-duty gas-mixing nozzles for machine cutting torch MSD

GRICUT 5310-A

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 5310-A	100 - 300 mm	3,5 - 7,0 bar	716.50103	006
	300 - 500 mm	3,5 - 10,0 bar	716.50104	006



MACHINE CUTTING NOZZLES

CUTTING NOZZLES

PROPANE / METHANE / MAPP / ETHYLENE

PL-RC

Standard ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
PL-RC	2 - 8 mm	2,0 - 2,5 bar	666.17225	007
	3 - 10 mm	2,0 - 3,0 bar	666.17226	007
	10 - 25 mm	4,0 - 5,0 bar	666.17227	007
	25 - 40 mm	4,0 - 5,0 bar	666.17228	007
	40 - 60 mm	4,0 - 5,0 bar	666.17229	007
	60 - 100 mm	5,0 - 6,0 bar	666.17230	007
	100 - 200 mm	5,5 - 6,5 bar	666.17231	007
	200 - 300 mm	6,5 - 8,5 bar	666.17232	007
Heating nozzles propane/methane	2 - 100 mm		666.17235	007
	100 - 300 mm		666.17236	007
Heating nozzles MAPP/ethylene	2 - 100 mm		716.15919	007
	100 - 300 mm		716.15920	007

for fuel gases propane, methane, MAPP, ethylene

GRICUT 1230-PMYE

High-speed ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 1230-PMYE	3 - 10 mm	1,0 - 5,0 bar	716.15901	032
	7 - 15 mm	5,0 - 7,0 bar	716.15902	032
	15 - 25 mm	6,0 - 7,0 bar	716.15903	032
	25 - 40 mm	6,0 - 7,5 bar	716.15904	032
	40 - 60 mm	5,5 - 7,5 bar	716.15905	032
	60 - 100 mm	6,0 - 8,5 bar	716.15906	032
Heating nozzles	3 - 100 mm		716.15900	032

for propane, methane, MAPP, ethylene

GRICUT +PLUS+1230-PMYE

High-speed ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT +PLUS+123-PMYE	3 - 10 mm	1,0 - 5,0 bar	716.16147 *	032
	7 - 15 mm	5,0 - 7,0 bar	716.16148 *	032
	15 - 25 mm	6,0 - 7,0 bar	716.16149 *	032
	25 - 40 mm	6,0 - 7,5 bar	716.16150 *	032
	40 - 60 mm	5,5 - 7,5 bar	716.16151 *	032
	60 - 100 mm	6,0 - 8,5 bar	716.16152 *	032
Heating nozzles	3 - 100 mm		716.16156 *	032

for propane, methane, MAPP, ethylene

MACHINE CUTTING NOZZLES

CUTTING NOZZLES

PROPANE / METHANE / MAPP / ETHYLENE

Ring/slot high-speed nozzles for machine cutting torches QUICKY and MS / MSZ Optimised cutting to meet requirements of DIN EN 1090-2-6.3

GRICUT 1090-PMYE

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 1090-PMYE	10 - 25 mm	4,0 - 5,0 bar	716.16810 *	032
	25 - 40 mm	4,0 - 5,0 bar	716.16811 *	032
	40 - 60 mm	4,0 - 5,0 bar	716.16812 *	032
	60 - 100 mm	5,0 - 6,0 bar	716.16813 *	032
Heating nozzle	3 - 100 mm		716.16814 *	032

for fuel gases propane, methane, MAPP, ethylene



High-efficiency ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ

GRICUT 1270-PY

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 1270-PY	2 - 5 mm	2,0 - 5,0 bar	716.15910	032
	3 - 5 mm	3,0 - 5,0 bar	716.15921	032
	6 - 10 mm	4,0 - 5,0 bar	716.15922	032
	10 - 25 mm	9,0 - 12,0 bar	716.15923	032
	25 - 50 mm	7,5 - 11,0 bar	716.15924	032
	50 - 80 mm	9,0 - 12,0 bar	716.15925	032
80 - 100 mm	9,5 - 11,0 bar	716.15926	032	032
Heating nozzle propane	2 - 100 mm		716.15930	032
Heating nozzle MAPP	2 - 100 mm		716.15932	032

for fuel gases propane, MAPP



High-efficiency ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ

GRICUT
+PLUS+ 1270-PY

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT +PLUS+ 1270-PY	3 - 5 mm	2,0 - 5,0 bar	716.16184 *	032
	6 - 10 mm	4,0 - 5,0 bar	716.16185 *	032
	10 - 25 mm	9,0 - 12,0 bar	716.16186 *	032
	25 - 50 mm	7,5 - 11,0 bar	716.16187 *	032
	50 - 80 mm	9,0 - 12,0 bar	716.16188 *	032
80 - 100 mm	9,5 - 11,0 bar	716.16189 *	032	032
Heating nozzle propane	2 - 100 mm		716.16190 *	032
Heating nozzle MAPP	2 - 100 mm		716.16191 *	032

for fuel gases propane, MAPP



MACHINE CUTTING NOZZLES

CUTTING NOZZLES

PROPANE / METHANE / MAPP / ETHYLENE

GRICUT 1280-PMYE High-speed ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 1280-PMYE	100 - 200 mm	7,5 - 9,5 bar	716.15927	032
	200 - 250 mm	6,5 - 8,5 bar	716.15928	032
	250 - 300 mm	6,5 - 8,5 bar	716.15929	032
Heating nozzle	100 - 300 mm		716.15931	032
Special nozzles for the cutting of	60 - 100 mm	6,0 - 8,5 bar	716.15938	032
stone moulds	100 - 150 mm	4,0 - 5,5 bar	716.15933	032

for fuel gases: propane, methane, Mapp, ethylene

GRICUT +PLUS+ 1280-PMYE High-speed ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT +PLUS+ 1280-PMYE	100 - 200 mm	7,5 - 9,5 bar	716.16192 *	032
	200 - 250 mm	6,5 - 8,5 mm	716.16193 *	032
	250 - 300 mm	6,5 - 8,5 mm	716.16194 *	032
Heating nozzle	100 - 300 mm		716.16195 *	032

for fuel gases: propane, methane, Mapp, ethylene

GRICUT 9230-PMYE GRICUT 9280-PMYE Cylindrical high-speed nozzles for machine cutting torches MS 932



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 9230-PMYE	3 - 10 mm	1,0 - 5,0 bar	716.16551	032
	7 - 15 mm	5,0 - 7,0 bar	716.16552	032
	15 - 25 mm	6,0 - 7,0 bar	716.16553	032
	25 - 40 mm	6,0 - 7,5 bar	716.16554	032
	40 - 60 mm	5,5 - 7,5 bar	716.16555	032
	60 - 100 mm	6,0 - 8,5 bar	716.16556	032
Heating nozzle	3 - 100 mm		716.16550	032
GRICUT 9280-PMYE	100 - 200 mm	7,5 - 9,5 bar	716.16557	032
	200 - 250 mm	6,5 - 8,5 bar	716.16558	032
	250 - 300 mm	6,5 - 8,5 bar	716.16559	032
Heating nozzle	100 - 300 mm		716.16560	032

for fuel gases: propane, methane, Mapp, ethylene

MACHINE CUTTING NOZZLES

CUTTING NOZZLES

PROPANE / METHANE / MAPP / ETHYLENE

Cylindrical high-speed nozzles for machine cutting torches MS 932 Optimised cutting to meet requirements of DIN EN 1090-2-6.3

GRICUT 9090-PMYE

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 9090-PMYE	3 - 10 mm	2,0 - 3,0 bar	716.16761 *	032
	10 - 25 mm	4,0 - 5,0 bar	716.16762 *	032
	25 - 40 mm	4,0 - 5,0 bar	716.16763 *	032
	40 - 60 mm	4,0 - 5,0 bar	716.16764 *	032
	60 - 100 mm	5,0 - 6,0 bar	716.16765 *	032
Heating nozzle	3 - 100 mm		716.16550	032

for fuel gases: propane, methane, MAPP, ethylene



Standard gas-mixing nozzles with 30° cone, for QUICKY and MSID / MSIDZ

GRICUT 8281-PMYE

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 8281-PMYE	3 - 10 mm	2,0 - 3,0 bar	716.16038	032
	10 - 25 mm	3,0 - 4,5 bar	716.16039	032
	25 - 40 mm	4,0 - 5,0 bar	716.16040	032
	40 - 60 mm	4,5 - 5,5 bar	716.16041	032
	60 - 100 mm	5,0 - 6,0 bar	716.16042	032
	100 - 200 mm	5,5 - 6,5 bar	716.16043	032
Heating nozzles propane / methane	3 - 100 mm		716.15988	032
	100 - 300 mm		716.15989	032
Heating nozzles MAPP / ethylene	3 - 100 mm		716.15978	032
	100 - 300 mm		716.15979	032

for fuel gases: propane, methane, MAPP, ethylene



Gas-mixing nozzles with mixers, for machine cutting torches MSID / MSIDZ

GRICUT 8281-PM

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 8281-PM	200 - 500 mm	6,0 - 12,0 bar	716.16400	006
Heating nozzle	200 - 500 mm		546.12340	006

for fuel gases: propane, methane



MACHINE CUTTING NOZZLES

CUTTING NOZZLES

PROPANE / METHANE / MAPP / ETHYLENE

GRICUT 8280-PMYE High-speed gas-mixing nozzles with 30° cone, for machine torches MSID / MSIDZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 8280-PMYE	3 - 7 mm	1,0 - 5,0 bar	716.16071	032
	7 - 15 mm	5,0 - 7,0 bar	716.16072	032
	15 - 25 mm	5,5 - 7,0 bar	716.16073	032
	25 - 40 mm	5,0 - 7,0 bar	716.16074	032
	40 - 60 mm	6,0 - 7,5 bar	716.16075	032
	60 - 100 mm	6,0 - 8,5 bar	716.16076	032
	100 - 200 mm	7,5 - 9,5 bar	716.16077	032
	200 - 250 mm	6,5 - 8,5 bar	716.16078	032
	250 - 300 mm	6,5 - 8,5 bar	716.16079	032
	Heating nozzles	3 - 100 mm		716.16080
	100 - 300 mm		716.16100	032

for fuel gases: propane, methane, MAPP, ethylene

GRICUT 8480-PMYE Heavy-duty outer-mixing nozzles for machine cutting torch MSAP



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
Nozzle body GRICUT 8480-PMYE	100 - 300 mm	8,0 - 9,0 bar	716.16420	032
	300 - 450 mm	8,0 - 9,0 bar	716.16421	032
	450 - 600 mm	8,0 - 9,0 bar	716.16422	032
Heating nozzle GRICUT 8480-PMYE	100 - 600 mm		716.16419	032
SET nozzle body and heating nozzle GRICUT 8480-PMYE	100 - 300 mm	8,0 - 9,0 bar	716.16415	032
	300 - 450 mm	8,0 - 9,0 bar	716.16416	032
	450 - 600 mm	8,0 - 9,0 bar	716.16417	032

for fuel gases: propane, methane, MAPP, ethylene

GRICUT 5281-PMY Heavy-duty post mixing nozzles with 30° cone, for machine cutting torch MSD



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 5281-PMY	100 - 300 mm	3,0 - 7,0 bar	716.50100	006
	300 - 450 mm	7,0 - 9,0 bar	716.50101	006
	450 - 600 mm	8,0 - 12,0 bar	716.50209	006
Heating nozzles	100 - 450 mm		716.50236	006
	450 - 600 mm		716.50211	006

for fuel gases: propane, methane, MAPP

MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

MSZ 932

Three-hose machine cutting torch with toothed rack, for cylindrical nozzles Nozzle Quick Change system



Type	Shaft length	Art. No. type A	Art. No. type PMYE	Cat. No.
MSZ 932 / 320 *	320 mm	716.11410	716.11411	005
MSZ 932 / 110 **	110 mm	716.55538	716.55539	005

Shaft diameter: 32 mm / Cutting range: up to 300 mm
Patented nozzle quick change system, cutting nozzle and heating cap are changed by hand without tools

***for flame cutting machines of series:
MINISEC, SECATOR, CORTA, STATOSEC, MULTISEC, OMNIMAT,
SICOMAT, CORTINA, SANCUT, COMCUT, EASYTHERM**
**** for hand cutting machine PORTACUT, TURBOCUT**

Type A for acetylene / Type PMYE for propane, methane, MAPP, ethylene

MS 3450 / 250

Four-hose machine cutting torch with internal electrical ignition, for ring/slot nozzles



Type	Shaft length	Art. No. type A	Art. No. type PMYE	Cat. No.
MS 3450 / 250	220 mm	716.51310 *	716.51320 *	005

SERVICE part only (new design: MS 3452)

Shaft diameter: 45 mm / Cutting range: up to 300 mm

**for flame cutting machines of series:
CORTA, STATOSEC, OMNIMAT**

Torch cannot be fitted to swivel-type and rotating triple-type torch assemblies!

Type A for acetylene / Type PMYE for propane, methane, MAPP, ethylene

MS 3452 / 250

Four-hose machine cutting torch with internal electrical ignition, for ring/slot nozzles



Type	Shaft length	Art. No. type A	Art. No. type PMYE	Cat. No.
MS 3452 / 250	220 mm	716.11010	716.11011	005

Shaft diameter: 45 mm / Cutting range: up to 300 mm

**for flame cutting machines of series:
CORTA, STATOSEC, OMNIMAT, CORTINA, COMCUT, EASYTHERM**

Torch cannot be fitted to swivel-type and rotating triple-type torch assemblies!

Dosing unit for machine cutting torch MS 3452 A / PMYE

for MS 3452 / 60 Hz	716.11489	005
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Type A for acetylene / Type PMYE for propane, methane, MAPP, ethylene



MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

Three-hose machine cutting torch for gas-mixing nozzles with 30° sealing cone

MSID 100 K

Type	Shaft length	Art. No.	Cat. No.
MSID 100 K- A/PMYE	100 mm	716.51356	005

Shaft diameter: 14 mm / Cutting range: up to 300 mm

for flame cutting machines **OMNIMAT**, with automatic bevel-angle adjustment or rotating triple-type torch assembly **DAFL**

for fuel gases: acetylene or propane, methane, MAPP, ethylene



Three-hose machine cutting torch for gas-mixing nozzles with 30° sealing cone

MSID 100 - 450

Type	Shaft length	Art. No.	Cat. No.
MSID 110-A/PMYE	110 mm	554.90230	005
MSID 160-A/PMYE	160 mm	554.90210	005
MSID 180-A/PMYE	180 mm	716.11533	005
MSID 250-A/PMYE	250 mm	716.11536	005
MSID 450-A/PMYE	450 mm	716.11537	005

Shaft diameter: 32 mm / Cutting range: up to 300 mm (MSID 450: up to 500 mm)

for flame cutting machines of series:
MULTISEC, OMNIMAT, SICOMAT

for acetylene or propane, methane, MAPP, ethylene



Three-hose machine cutting torch with toothed rack, for gas-mixing nozzles with 30° sealing cone

MSIDZ 100 - 160

Type	Shaft length	Art. No.	Cat. No.
MSIDZ 110-A/PMY *	110 mm	716.51789	005
MSIDZ 160-A/PMYE	160 mm	554.90220	005

* for portable flame cutting machines of series **PORTACUT, TURBOCUT**

Shaft diameter: 32 mm / Cutting range: up to 300 mm

for flame cutting machines of series:
MULTISEC, OMNIMAT, SICOMAT

for acetylene or propane, methane, MAPP, ethylene



MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

MSAP 6321

Three-hose heavy-duty machine cutting torch for outer-mixing nozzles with 30° sealing cone



Type	Shaft length	Art. No.	Cat. No.
MSAP 6321- PMY	180 mm	716.11541	005

Shaft diameter: 32 mm / Cutting range: up to 600mm

for flame cutting machines of series:

SECATOR, CORTA, CORTINA, STATOSEC, MULTISEC, OMNIMAT, SICOMAT, SCANCUT, COMCUT, EASYTHERM

for propane, methane, MAPP

MSD 250

Three-hose heavy-duty machine cutting torch, for gas-mixing nozzles



Type	Shaft length	Art. No.	Cat. No.
MSD 250-A/PMY	250 mm	716.01365	005

Shaft diameter: 32 mm

Cutting range: 100 to 500 mm with acetylene

Cutting range: 100 to 600 mm with propane, methane, MAPP

for flame cutting machines of series:

SECATOR, CORTA, CORTINA, STATOSEC, MULTISEC, OMNIMAT, SICOMAT, SCANCUT, COMCUT, EASYTHERM

for acetylene, propane, methane, MAPP

QUICKY

Three-hose heavy-duty machine cutting torch, for gas-mixing nozzles



Type	Art. No. Type A	Art. No. Type PMYE	Cat. No.
Quicky with ring / slot nozzles	540.93330	545.93330	005
Quicky with gas-mixing nozzles	716.11040	716.11040	005

Torch head diameter: 27 mm

Cutting range: up to 100 mm / with adjusting valves, flashback arrestors and connecting hoses

for hand cutting machine **QUICKY**

Type A acetylene / Type PMYE for propane, methane, MAPP, ethylene

MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

Accessories for machine cutting torches series MS 832 / MS 932

STRIP CUTTING TORCH

Description	Working radius	Cutting range	Art. No.	Cat. No.
Strip cutting torch MS 832	30-400 mm	3-60 mm	716.51155	005

Strip cutting torch MS 932	30-450 mm	3-60 mm	716.11600	005
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Additional devices for increased cutting efficiency and reduced warping when cutting sheet strips

for fuel gases: acetylene or propane, methane, MAPP, ethylene



Accessories for machine cutting torches series MS 832 / MS 932

SWIVELLING TORCH HEAD

Description	Swivel range	Cutting range	Art. No.	Cat. No.
Swivelling torch head MS 832	± 90°	3-300 mm	716.51295	005

Swivelling torch head MS 832, with preheating	± 90°	3-300 mm	716.52032	005
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Swivelling torch head MS 932	± 90°	3-300 mm	716.11425	005
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Additional devices for carrying out bevel cuts in length and cross directions

for fuel gases: acetylene or propane, methane, MAPP, ethylene



Accessories for machine cutting torches series MS

AIR COOLING ATTACHMENT

Description	Art. No.	Cat. No.
Air cooling attachment	716.51251	005

Air shut-off valve G 1/4" for compressed air	718.00668	005
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Additional devices for cutting of thin sheets

for fuel gases: acetylene or propane, methane, MAPP, ethylene



MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

ADJUSTING VALVES

Accessories for machine cutting torches



Description	Connection/hose tail	Art. No.	Cat. No.
Heating oxygen	G 1/4", DN 6	718.00500	005
Cutting oxygen	G 3/8", DN 9	718.00501	005
Fuel gas	G 3/8" LH, DN 9	718.00502	005
Heating oxygen	G 1/2", DN 8	718.04290	000
Cutting oxygen	G 1/2", DN 11	718.03691	148
Fuel gas	G 1/2" LH, DN 8	718.00855	005
Adjusting valves for machine cutting torches MS / MSID / MSAP			

ACCESSORIES

Optional: for machine cutting torches MS / MSID / MSAP / MSD

Cutting oxygen supply without pressure-drop, above 100 mm cutting thickness



Description	Torch inlet conn.	Art. No.	Cat. No.
Ball valve	G 3/8" – DN 10 - Oxygen	722.44775	000
Non-return valve GRV 91 UA	G 1/2" (M) – G 3/8" (F) - Oxygen	770.05116	043



Safety units: FA, NV

FA = Flame arrestor

NV = Non-return valve

MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

T-fitting for machine cutting torches MS / MSID / MSAP / MSD

TEST ADAPTERS

Description	Torch inlet connection	Art. No.	Cat. No.
Heating oxygen	G 1/4"	718.25530	004
Cutting oxygen	G 3/8"	718.25532	004
Fuel gas	G 3/8" LH	718.25534	004



To be used with test pressure gauges, for machine torches MS / MSID / MSAP / MSD

Test pressure gauges for machine cutting torches MS / MSID / MSAP / MSD Acc. to ISO 5171

TEST GAUGES

Description		Art. No.	Cat. No.
Oxygen	Scale 0 - 16 bar / working range 10 bar	0.640.477	008
	Scale 0 - 25 bar / working range 16 bar	0.640.109	008
Acetylene	Scale 0 - 2,5 bar / working range 1,5 bar	0.640.479	008
MAPP / propane / methane	Scale 0 - 4 bar / working range 2,5 bar	0.640.069	004
Propane / methane / MAPP	Scale 0 - 2,5 bar / working range 1,5 bar	0.640.070	004
Ø 63mm , conn. thread G1/4"			
-To be mounted in centre of test adapter-			
Gauge seal		452.08020	008



Torch head rework for machine cutting torches

MILLING TOOLS

Description	Type of cutting nozzle	For machine cutting torch	Art. No.	Cat. No.
Nozzle seat milling tool WSF 7521	Ring/slot nozzles	MS / MSZ	0.939.005	000
Nozzle seat milling tool WSF 7019	Gas-mixing nozzles 30°	MSID	0.912.001	000



MACHINE CUTTING TORCHES

FOR AUTOMATED CUTTING PROCESSES IN FLAME CUTTING PLANTS

QUICKY

Safety devices for machine cutting torch QUICKY



Gas type	Connection	Operating pressure (max.)	Art. No.	Cat. No.
Oxygen	M 7 x 0,75	15	716.11130	041
Fuel gas	M 7 x 0,75	5,0	716.11129	041

Safety units: FA, NV

Fuel gas Operating pressure (max.): Acetylene 1,5 bar, Hydrogen 3,5 bar

MS / MSID / MSAP

Non-return valves for machine cutting torches MS / MSID / MSAP



Gas type	Connection	Operating pressure (max.)	Art. No.	Cat. No.
Heating oxygen	G 1/4"	15	0.647.583	041
Cutting oxygen	G 3/8"	15	0.647.584	041
Fuel gas	G 3/8" LH	5,0	0.346.364	041
Ignition gas mixture for MS 3450	G 1/4" LH	5,0	716.51362	041
Ignition gas mixture for MS 3452	G 3/8" LH	5,0	716.11048	041
Ignition gas mixture for MS 3452	G 1/4" LH	5,0	716.11173	041

Safety units: NV

Fuel gas Operating pressure (max.): Acetylene 1,5 bar, Hydrogen 3,5 bar

MSD

Non-return valves for machine cutting torch MSD



Gas type	Connection	Operating pressure (max.)	Art. No.	Cat. No.
Heiz-Oxygen	G 3/8"	15	0.647.584	041
Schneid-Oxygen	G 1/2"	15	0.346.020	041
Fuel gas	G 3/8" LH	5,0	0.346.364	041

Safety units: NV

Fuel gas Operating pressure (max.): Acetylene 1,5 bar, Hydrogen 3,5 bar

DG 91 UA

Safety devices for machine cutting torches



Gas type	Connection	Operating pressure (max.)	Art. No.	Cat. No.
Oxygen	G 1/4" RH	15	0.463.372	041
Oxygen	G 3/8" RH	15	0.463.373	041
Oxygen	G 1/2" RH	15	0.463.374	041
Fuel gas	G 3/8" LH	5,0	0.463.857	041
Fuel gas	G 1/2" LH	5,0	0.463.858	041

Safety units: FA, NV

-reverse flow direction-

Fuel gas Operating pressure (max.): Acetylene 1,5 bar, Hydrogen 3,5 bar

FA = Flame arrestor, NV = Non-return valve, SV = Gas shut-off
TV = Thermal-sensitive cut-off, PV = Pressure-sensitive gas shut-off

MACHINE CUTTING NOZZLES

APPLICATION OVERVIEW

Torch system	QUICKY	MS / MSZ 832	MS / MSZ 932	MS 3450 / MS 3452	MSID / MSIDZ	MSAP 6321	MSD 250
Machine cutting nozzles for Acetylene (fast burning gases)							
A-RS	●	●		●			
VADURA 1210-A / +PLUS+ 1210-A	●	●		●			
VADURA 1215-A / +PLUS+ 1215-A	●	●		●			
VADURA 1090-A	●	●		●			
VADURA 9215-A			●				
VADURA 9090-A			●				
A-CID	●				●		
GRICUT 5310-A							●
Torch system	QUICKY	MS / MSZ 832	MS / MSZ 932	MS 3450 / MS 3452	MSID / MSIDZ	MSAP 6321	MSD 250
Machine cutting nozzles for Propane, Methane, Mapp, Ethylene (slow burning gases)							
PL-RC	●	●		●			
GRICUT 1230-PMYE / +PLUS+ 1230 PMYE	●	●		●			
GRICUT 1090-PMYE	●	●		●			
GRICUT 1270-PY / +PLUS+ / 1270-PY	●	●		●			
GRICUT 1280-PMYE / +PLUS+ 1280-PMYE		●		●			
GRICUT 5281-PMY							●
GRICUT 8281-PMYE	●				●		
GRICUT 8281-PM					●		
GRICUT 8280-PMYE					●		
GRICUT 8480-PMYE						●	
GRICUT 9230-PMYE			●				
GRICUT 9280-PMYE			●				
GRICUT 9090-PMYE			●				

MACHINE CUTTING NOZZLES

CUTTING NOZZLES ACETYLENE

A-RS

Standard ring/slot nozzles for machine cutting torches QUICKY and MS/MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
A-RS	2 - 8 mm	2,0 - 2,5 bar	666.17101	007
	3 - 10 mm	2,0 - 2,5 bar	666.17102	007
	10 - 25 mm	2,0 - 2,5 bar	666.17103	007
	25 - 40 mm	4,0 - 5,0 bar	666.17104	007
	40 - 60 mm	4,0 - 5,0 bar	666.17105	007
	60 - 100 mm	4,0 - 5,0 bar	666.17106	007
	100 - 200 mm	5,0 - 6,0 bar	666.17107	007
	200 - 300 mm	5,0 - 6,0 bar	666.17108	007
Heating nozzles	2 - 100 mm		666.17115	007
	100 - 300 mm		666.17116	007

VADURA 1215-A

High-speed ring/slot nozzles for machine cutting torches QUICKY and MS/MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
VADURA 1215-A	3 - 5 mm	2,0 - 3,0 bar	716.15941	032
	6 - 10 mm	4,0 - 5,0 bar	716.15942	032
	10 - 25 mm	6,5 - 7,5 bar	716.15943	032
	25 - 40 mm	6,5 - 8,0 bar	716.15944	032
	40 - 60 mm	6,5 - 8,5 bar	716.15945	032
	60 - 100 mm	6,5 - 8,0 bar	716.15946	032
	100 - 150 mm	6,5 - 7,0 bar	716.15947	032
	VADURA 1210/1215-A	150 - 230 mm	6,0 - 7,5 bar	716.15948
	230 - 300 mm	7,0 - 8,5 bar	716.15949	032
Heating nozzles	3 - 150 mm		716.15950	032
	150 - 300 mm		716.15951	032

MACHINE CUTTING NOZZLES

CUTTING NOZZLES ACETYLENE

High-speed ring/slot nozzles for machine cutting torches QUICKY and MS/MSZ

VADURA +PLUS+ 1215-A

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
VADURA +PLUS+ 1215-A	3 - 5 mm	2,0 - 3,0 bar	716.16161 *	032
	6 - 10 mm	4,0 - 5,0 bar	716.16162 *	032
	10 - 25 mm	6,5 - 7,5 bar	716.16163 *	032
	25 - 40 mm	6,5 - 8,0 bar	716.16164 *	032
	40 - 60 mm	6,5 - 8,5 bar	716.16165 *	032
	60 - 100 mm	6,5 - 8,0 bar	716.16166 *	032
	100 - 150 mm	6,5 - 7,0 bar	716.16167 *	032
	150 - 230 mm	6,0 - 7,5 bar	716.16179 *	032
Heating nozzles	3 - 150 mm		716.16170 *	032
	150 - 300 mm		716.16182 *	032



High-speed ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ Optimised cutting to meet requirements of DIN EN 1090-2-6.3

VADURA 1090-A

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
VADURA 1090-A	10 - 25 mm	4,0 - 5,0 bar	716.16788 *	032
	25 - 40 mm	4,0 - 5,0 bar	716.16789 *	032
	40 - 60 mm	4,0 - 5,0 bar	716.16790 *	032
	60 - 100 mm	4,0 - 5,0 bar	716.16791 *	032
Heating nozzles	2 - 100 mm		716.16792 *	032



High-efficiency ring/slot nozzles for machine cutting torches QUICKY and MS/MSZ

VADURA 1210-A

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
VADURA 1210-A	2 - 5 mm	2,0 - 3,0 bar	716.15760	032
	3 - 5 mm	2,0 - 3,0 bar	716.15761	032
	6 - 10 mm	4,0 - 5,0 bar	716.15762	032
	10 - 25 mm	9,0 - 12,0 bar	716.15763	032
	25 - 50 mm	7,5 - 11,0 bar	716.15764	032
	50 - 80 mm	9,0 - 12,0 bar	716.15765	032
	80 - 100 mm	9,5 - 11,0 bar	716.15766	032
	100 - 150 mm	6,5 - 7,0 bar	716.15769	032
VADURA 1210/1215-A	150 - 230 mm	6,5 - 7,5 bar	716.15948	032
	230 - 300 mm	7,0 - 8,5 bar	716.15949	032
Heating nozzles	3 - 150 mm		716.15770	032
	150 - 300 mm		716.15951	032



MACHINE CUTTING NOZZLES

CUTTING NOZZLES ACETYLENE

VADURA +PLUS+ 1210-A

High-efficiency ring/slot nozzles for machine cutting torches QUICKY and MS/MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art. No.	Cat. No.
VADURA +PLUS+ 1210-A	2 - 5 mm	2,0 - 3,0 bar	716.16171 *	032
	3 - 5 mm	2,0 - 3,0 bar	716.16172 *	032
	6 - 10 mm	4,0 - 5,0 bar	716.16173 *	032
	10 - 25 mm	9,0 - 12,0 bar	716.16174 *	032
	25 - 50 mm	7,5 - 11,0 bar	716.16175 *	032
	50 - 80 mm	9,0 - 12,0 bar	716.16176 *	032
	80 - 100 mm	9,5 - 11,0 bar	716.16177 *	032
	100 - 150 mm	6,5 - 7,0 bar	716.16178 *	032
	150 - 230 mm	6,5 - 7,5 bar	716.16179 *	032
	230 - 300 mm	7,0 - 8,5 bar	716.16180 *	032
Heating nozzles	3 - 150 mm		716.16181 *	032
	150 - 300 mm		716.16182 *	032

VADURA 9215-A

Cylindrical high-speed nozzles for machine cutting torches MS 932



Type	Cutting range	Cutting O ₂ -pressure	Art. No.	Cat. No.
VADURA 9215-A	3 - 5 mm	2,0 - 3,0 bar	716.16561	032
	6 - 10 mm	4,0 - 5,0 bar	716.16562	032
	10 - 25 mm	6,5 - 7,5 bar	716.16563	032
	25 - 40 mm	6,5 - 8,0 bar	716.16564	032
	40 - 60 mm	6,5 - 8,5 bar	716.16565	032
	60 - 100 mm	6,5 - 8,0 bar	716.16566	032
	100 - 150 mm	6,5 - 7,0 bar	716.16567	032
	150 - 230 mm	6,5 - 7,5 bar	716.16568	032
Heating nozzles	230 - 300 mm	6,5 - 7,5 bar	716.16569	032
	3 - 100 mm		716.16550	032
	100 - 300 mm		716.16560	032

VADURA 9090-A

Cylindrical high-speed nozzles for machine cutting torches MS 932 Optimised cutting to meet requirements of DIN EN 1090-2-6.3



Type	Cutting range	Cutting O ₂ -pressure	Art. No.	Cat. No.
VADURA 9090-A	3 - 10 mm	2,0 - 2,5 bar	716.16752 *	032
	10 - 25 mm	6,0 - 7,0 bar	716.16753 *	032
	25 - 40 mm	6,0 - 7,5 bar	716.16754 *	032
	40 - 60 mm	5,5 - 7,5 bar	716.16755 *	032
	60 - 100 mm	6,0 - 8,5 bar	716.16756 *	032
Heating nozzles	3 - 100 mm		716.16550	032

MACHINE CUTTING NOZZLES

CUTTING NOZZLES ACETYLENE

Gas-mixing high-speed nozzles for machine cutting torches QUICKY and MSID/MSIDZ

A-CID

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
A-CID	3 - 5 mm	2,0 - 3,0 bar	716.16020	007
	6 - 10 mm	4,0 - 5,0 bar	716.16021	007
	10 - 25 mm	6,0 - 7,0 bar	716.16022	007
	25 - 40 mm	6,0 - 7,0 bar	716.16023	007
	40 - 60 mm	5,5 - 7,0 bar	716.16024	007
	60 - 80 mm	2,0 - 2,5 bar	716.16025	007
	80 - 100 mm	5,0 - 6,0 bar	716.16026	007
	100 - 200 mm	3,0 - 6,0 bar	716.16027	007
	200 - 300 mm	4,0 - 6,0 bar	716.16028	007



Heavy-duty gas-mixing nozzles for machine cutting torch MSD

GRICUT 5310-A

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 5310-A	100 - 300 mm	3,5 - 7,0 bar	716.50103	006
	300 - 500 mm	3,5 - 10,0 bar	716.50104	006



MACHINE CUTTING NOZZLES

CUTTING NOZZLES

PROPANE / METHANE / MAPP / ETHYLENE

PL-RC

Standard ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
PL-RC	2 - 8 mm	2,0 - 2,5 bar	666.17225	007
	3 - 10 mm	2,0 - 3,0 bar	666.17226	007
	10 - 25 mm	4,0 - 5,0 bar	666.17227	007
	25 - 40 mm	4,0 - 5,0 bar	666.17228	007
	40 - 60 mm	4,0 - 5,0 bar	666.17229	007
	60 - 100 mm	5,0 - 6,0 bar	666.17230	007
	100 - 200 mm	5,5 - 6,5 bar	666.17231	007
	200 - 300 mm	6,5 - 8,5 bar	666.17232	007
Heating nozzles propane/methane	2 - 100 mm		666.17235	007
	100 - 300 mm		666.17236	007
Heating nozzles MAPP/ethylene	2 - 100 mm		716.15919	007
	100 - 300 mm		716.15920	007

for fuel gases propane, methane, MAPP, ethylene

GRICUT 1230-PMYE

High-speed ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 1230-PMYE	3 - 10 mm	1,0 - 5,0 bar	716.15901	032
	7 - 15 mm	5,0 - 7,0 bar	716.15902	032
	15 - 25 mm	6,0 - 7,0 bar	716.15903	032
	25 - 40 mm	6,0 - 7,5 bar	716.15904	032
	40 - 60 mm	5,5 - 7,5 bar	716.15905	032
	60 - 100 mm	6,0 - 8,5 bar	716.15906	032
Heating nozzles	3 - 100 mm		716.15900	032

for propane, methane, MAPP, ethylene

GRICUT +PLUS+1230-PMYE

High-speed ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT +PLUS+123-PMYE	3 - 10 mm	1,0 - 5,0 bar	716.16147 *	032
	7 - 15 mm	5,0 - 7,0 bar	716.16148 *	032
	15 - 25 mm	6,0 - 7,0 bar	716.16149 *	032
	25 - 40 mm	6,0 - 7,5 bar	716.16150 *	032
	40 - 60 mm	5,5 - 7,5 bar	716.16151 *	032
	60 - 100 mm	6,0 - 8,5 bar	716.16152 *	032
Heating nozzles	3 - 100 mm		716.16156 *	032

for propane, methane, MAPP, ethylene

MACHINE CUTTING NOZZLES

CUTTING NOZZLES

PROPANE / METHANE / MAPP / ETHYLENE

Ring/slot high-speed nozzles for machine cutting torches QUICKY and MS / MSZ Optimised cutting to meet requirements of DIN EN 1090-2-6.3

GRICUT 1090-PMYE

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 1090-PMYE	10 - 25 mm	4,0 - 5,0 bar	716.16810 *	032
	25 - 40 mm	4,0 - 5,0 bar	716.16811 *	032
	40 - 60 mm	4,0 - 5,0 bar	716.16812 *	032
	60 - 100 mm	5,0 - 6,0 bar	716.16813 *	032
Heating nozzle	3 - 100 mm		716.16814 *	032

for fuel gases propane, methane, MAPP, ethylene



High-efficiency ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ

GRICUT 1270-PY

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 1270-PY	2 - 5 mm	2,0 - 5,0 bar	716.15910	032
	3 - 5 mm	3,0 - 5,0 bar	716.15921	032
	6 - 10 mm	4,0 - 5,0 bar	716.15922	032
	10 - 25 mm	9,0 - 12,0 bar	716.15923	032
	25 - 50 mm	7,5 - 11,0 bar	716.15924	032
	50 - 80 mm	9,0 - 12,0 bar	716.15925	032
80 - 100 mm	9,5 - 11,0 bar	716.15926	032	
Heating nozzle propane	2 - 100 mm		716.15930	032
Heating nozzle MAPP	2 - 100 mm		716.15932	032

for fuel gases propane, MAPP



High-efficiency ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ

GRICUT
+PLUS+ 1270-PY

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT +PLUS+ 1270-PY	3 - 5 mm	2,0 - 5,0 bar	716.16184 *	032
	6 - 10 mm	4,0 - 5,0 bar	716.16185 *	032
	10 - 25 mm	9,0 - 12,0 bar	716.16186 *	032
	25 - 50 mm	7,5 - 11,0 bar	716.16187 *	032
	50 - 80 mm	9,0 - 12,0 bar	716.16188 *	032
80 - 100 mm	9,5 - 11,0 bar	716.16189 *	032	
Heating nozzle propane	2 - 100 mm		716.16190 *	032
Heating nozzle MAPP	2 - 100 mm		716.16191 *	032

for fuel gases propane, MAPP



MACHINE CUTTING NOZZLES

CUTTING NOZZLES

PROPANE / METHANE / MAPP / ETHYLENE

GRICUT 1280-PMYE High-speed ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 1280-PMYE	100 - 200 mm	7,5 - 9,5 bar	716.15927	032
	200 - 250 mm	6,5 - 8,5 bar	716.15928	032
	250 - 300 mm	6,5 - 8,5 bar	716.15929	032
Heating nozzle	100 - 300 mm		716.15931	032
Special nozzles for the cutting of	60 - 100 mm	6,0 - 8,5 bar	716.15938	032
stone moulds	100 - 150 mm	4,0 - 5,5 bar	716.15933	032

for fuel gases: propane, methane, Mapp, ethylene

GRICUT +PLUS+ 1280-PMYE High-speed ring/slot nozzles for machine cutting torches QUICKY and MS / MSZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT +PLUS+ 1280-PMYE	100 - 200 mm	7,5 - 9,5 bar	716.16192 *	032
	200 - 250 mm	6,5 - 8,5 mm	716.16193 *	032
	250 - 300 mm	6,5 - 8,5 mm	716.16194 *	032
Heating nozzle	100 - 300 mm		716.16195 *	032

for fuel gases: propane, methane, Mapp, ethylene

GRICUT 9230-PMYE GRICUT 9280-PMYE Cylindrical high-speed nozzles for machine cutting torches MS 932



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 9230-PMYE	3 - 10 mm	1,0 - 5,0 bar	716.16551	032
	7 - 15 mm	5,0 - 7,0 bar	716.16552	032
	15 - 25 mm	6,0 - 7,0 bar	716.16553	032
	25 - 40 mm	6,0 - 7,5 bar	716.16554	032
	40 - 60 mm	5,5 - 7,5 bar	716.16555	032
	60 - 100 mm	6,0 - 8,5 bar	716.16556	032
Heating nozzle	3 - 100 mm		716.16550	032
GRICUT 9280-PMYE	100 - 200 mm	7,5 - 9,5 bar	716.16557	032
	200 - 250 mm	6,5 - 8,5 bar	716.16558	032
	250 - 300 mm	6,5 - 8,5 bar	716.16559	032
Heating nozzle	100 - 300 mm		716.16560	032

for fuel gases: propane, methane, Mapp, ethylene

MACHINE CUTTING NOZZLES

CUTTING NOZZLES

PROPANE / METHANE / MAPP / ETHYLENE

Cylindrical high-speed nozzles for machine cutting torches MS 932 Optimised cutting to meet requirements of DIN EN 1090-2-6.3

GRICUT 9090-PMYE

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 9090-PMYE	3 - 10 mm	2,0 - 3,0 bar	716.16761 *	032
	10 - 25 mm	4,0 - 5,0 bar	716.16762 *	032
	25 - 40 mm	4,0 - 5,0 bar	716.16763 *	032
	40 - 60 mm	4,0 - 5,0 bar	716.16764 *	032
	60 - 100 mm	5,0 - 6,0 bar	716.16765 *	032
Heating nozzle	3 - 100 mm		716.16550	032

for fuel gases: propane, methane, MAPP, ethylene



Standard gas-mixing nozzles with 30° cone, for QUICKY and MSID / MSIDZ

GRICUT 8281-PMYE

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 8281-PMYE	3 - 10 mm	2,0 - 3,0 bar	716.16038	032
	10 - 25 mm	3,0 - 4,5 bar	716.16039	032
	25 - 40 mm	4,0 - 5,0 bar	716.16040	032
	40 - 60 mm	4,5 - 5,5 bar	716.16041	032
	60 - 100 mm	5,0 - 6,0 bar	716.16042	032
	100 - 200 mm	5,5 - 6,5 bar	716.16043	032
Heating nozzles propane / methane	3 - 100 mm		716.15988	032
	100 - 300 mm		716.15989	032
Heating nozzles MAPP / ethylene	3 - 100 mm		716.15978	032
	100 - 300 mm		716.15979	032

for fuel gases: propane, methane, MAPP, ethylene



Gas-mixing nozzles with mixers, for machine cutting torches MSID / MSIDZ

GRICUT 8281-PM

Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 8281-PM	200 - 500 mm	6,0 - 12,0 bar	716.16400	006
Heating nozzle	200 - 500 mm		546.12340	006

for fuel gases: propane, methane



MACHINE CUTTING NOZZLES

CUTTING NOZZLES

PROPANE / METHANE / MAPP / ETHYLENE

GRICUT 8280-PMYE High-speed gas-mixing nozzles with 30° cone, for machine torches MSID / MSIDZ



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 8280-PMYE	3 - 7 mm	1,0 - 5,0 bar	716.16071	032
	7 - 15 mm	5,0 - 7,0 bar	716.16072	032
	15 - 25 mm	5,5 - 7,0 bar	716.16073	032
	25 - 40 mm	5,0 - 7,0 bar	716.16074	032
	40 - 60 mm	6,0 - 7,5 bar	716.16075	032
	60 - 100 mm	6,0 - 8,5 bar	716.16076	032
	100 - 200 mm	7,5 - 9,5 bar	716.16077	032
	200 - 250 mm	6,5 - 8,5 bar	716.16078	032
	250 - 300 mm	6,5 - 8,5 bar	716.16079	032
	Heating nozzles	3 - 100 mm		716.16080
	100 - 300 mm		716.16100	032

for fuel gases: propane, methane, MAPP, ethylene

GRICUT 8480-PMYE Heavy-duty outer-mixing nozzles for machine cutting torch MSAP



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
Nozzle body GRICUT 8480-PMYE	100 - 300 mm	8,0 - 9,0 bar	716.16420	032
	300 - 450 mm	8,0 - 9,0 bar	716.16421	032
	450 - 600 mm	8,0 - 9,0 bar	716.16422	032
Heating nozzle GRICUT 8480-PMYE	100 - 600 mm		716.16419	032
SET nozzle body and heating nozzle GRICUT 8480-PMYE	100 - 300 mm	8,0 - 9,0 bar	716.16415	032
	300 - 450 mm	8,0 - 9,0 bar	716.16416	032
	450 - 600 mm	8,0 - 9,0 bar	716.16417	032

for fuel gases: propane, methane, MAPP, ethylene

GRICUT 5281-PMY Heavy-duty post mixing nozzles with 30° cone, for machine cutting torch MSD



Type	Cutting range	Cutting O ₂ -pressure	Art.No.	Cat.No.
GRICUT 5281-PMY	100 - 300 mm	3,0 - 7,0 bar	716.50100	006
	300 - 450 mm	7,0 - 9,0 bar	716.50101	006
	450 - 600 mm	8,0 - 12,0 bar	716.50209	006
Heating nozzles	100 - 450 mm		716.50236	006
	450 - 600 mm		716.50211	006

for fuel gases: propane, methane, MAPP