

Plasma Cutting Torches

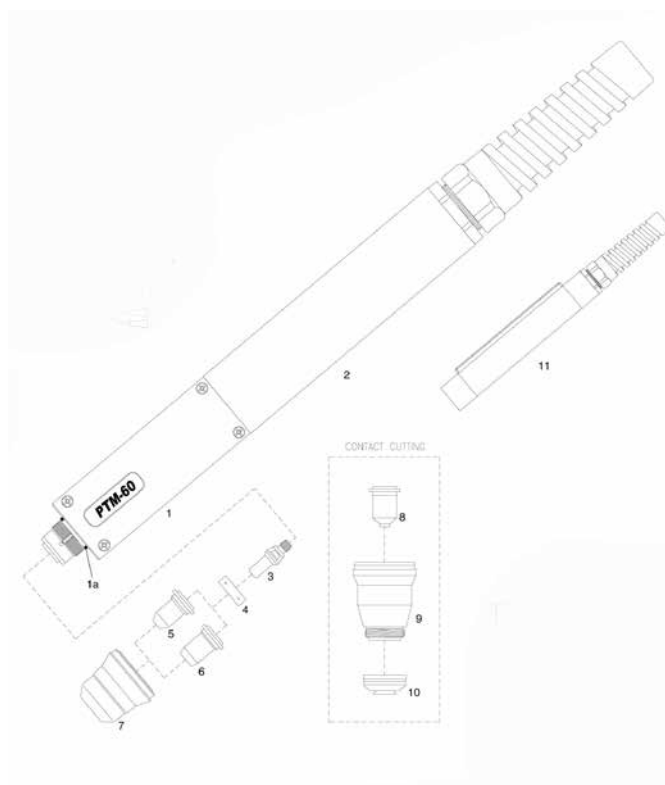
PTM-60 Plasma Cutting Torches

Suitable for Avalon 40.1 PFC/AIR and 60 CNC/AIR

Typ	PTM-60 with coaxial cable	Cutting torch components PTM-60	Item no. old	Item no. new
Plasma cutting torch	Torch 70°, 6 m hose with rubber cover	1 Hand torch head	19460100	02.13.05.00101
Current range	10 - 60 A	1a O-Ring	19460104	02.13.05.00104
Duty cycle 80%	60 A	2 Fibreglas Positions-Pipe	19460110	
Gas	Luft/N2	3 Plasma electrode, back striking	19460116	02.13.05.00113
Gas pressure	4,4 - 5,0 bar	4 Diffusor	19460120	02.13.05.00116
Gasflow	150 lpm	5 Plasma nozzle, contact cutting, DM 0,65 (10-20A), Back Striking	19460124	02.13.05.00119
Ignition	without HF*	5 Plasma nozzle, contact cutting, DM 0,8 (20-30A), Back Striking	19460128	02.13.05.00122
Item no. old	19460004	5 Plasma nozzle, contact cutting, DM 0,9 (30-40A), Back Striking	19460132	02.13.05.00128
Item new	02.12.04.00116	6 flat Plasma nozzle, DM 1,0 (40-50A), Back Striking	19460136	02.13.05.00131
		6 flat Plasma nozzle, DM 1,1 (50-60A), Back Striking	19460140	02.13.05.00134
		7 Protective cap, 6 drillings	19460163	
		7 Protective cap, 6 drillings, max. livetime	19460164	02.13.05.00152
		8 Contact nozzle, DM 0,9 (30-40A), Back Striking	19460133	02.13.05.00162
		Contact nozzle, DM 1,0 (40-50A), Back Striking	19460137	02.13.05.00165
		Contact nozzle DM 1,1 (50-60A), Back Striking	19460159	02.13.05.00183
		9 Protective cap	19460161	02.13.05.00186
		10 Protective cap for machine	19460165	02.13.05.00171
		11 Fibreglas Positions-Pipe with thread	19460114	
		Key for electrodes	19460172	02.13.05.00158

*Patented ignition system without contact of the workpiece.

Accessories	Item no. old	Item no. new
Circle cutting attachment	19460180	02.13.05.00192
Cutting guide	19460182	02.13.05.00158



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PT-60 Plasma Cutting Torches

Suitable for Avalon 40.1 PFC/AIR and 60 CNC/AIR

Typ	PT-60 with coaxial cable
Plasma cutting torch	hand torch, 6 m hose with rubber cover
Current range	10 - 60 A
Duty cycle 80%	60 A
Gas	Air/N ₂
Gas pressure	4,4 - 5,0 bar
Gasflow	150 lpm
Ignition	without HF*
Item no. old	19460002
Item new	02.12.04.00106

*Patented ignition system without contact of the workpiece.

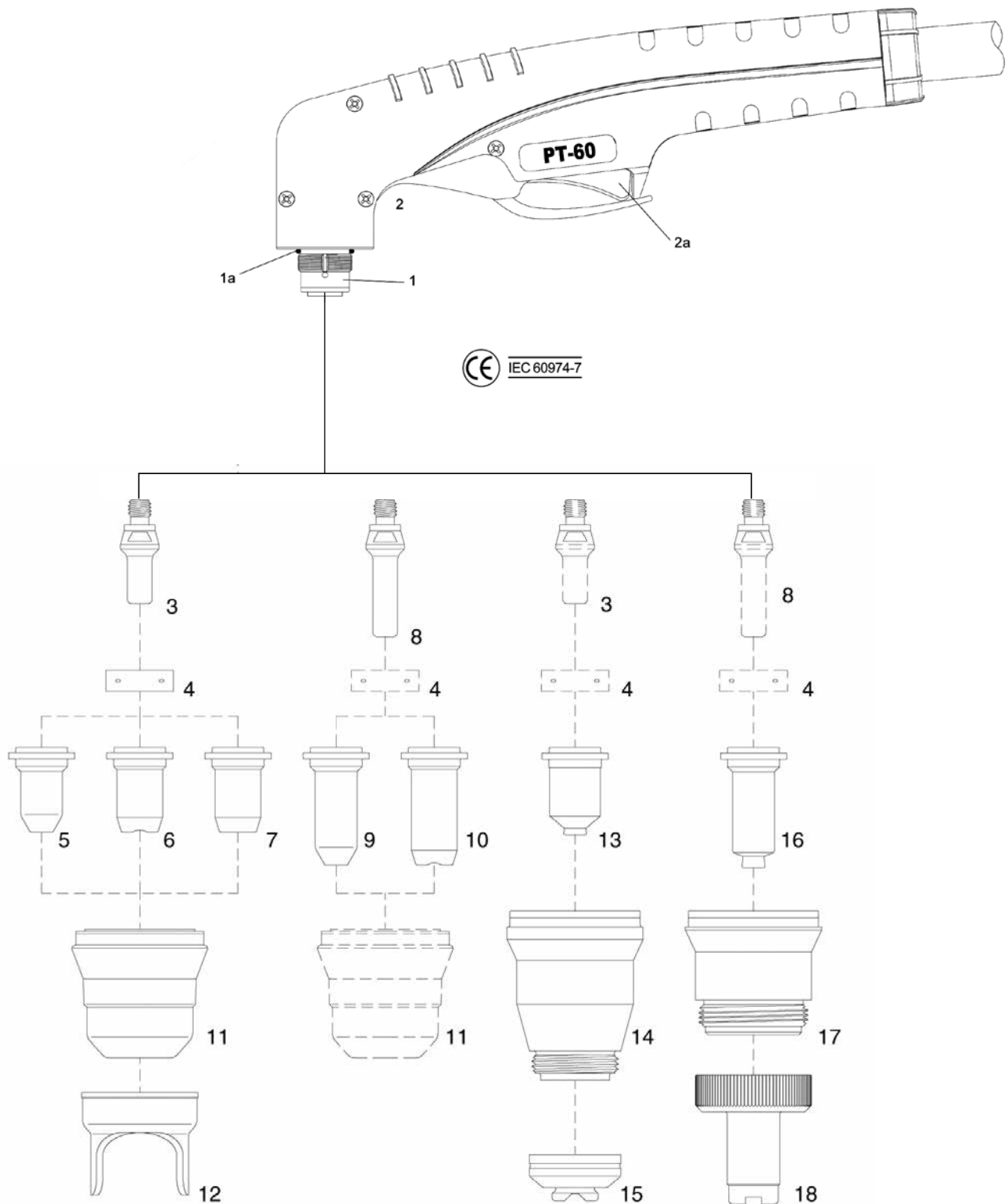
Accessories	Item no. old	Item no. new
Circle cutting attachment	19460180	02.13.05.00192
Cutting guide	19460182	02.13.05.00195

Cutting torch components PT-60	Item no. old	Item no. new
1 Hand torch head 70°	19460100	02.13.05.00101
1a O-ring	19460104	02.13.05.00104
2 Handle with switch	19460020	02.13.05.00107
2a Switch	19460066	02.13.05.00110
3 Plasma electrode, back striking	19460116	02.13.05.00113
4 Diffusor	19460120	02.13.05.00116
5 Plasma nozzle, contact cutting, DM 0,65 (10-20A), Back Striking	19460124	02.13.05.00119
5 Plasma nozzle, contact cutting, DM 0,8 (20-30A), Back Striking	19460128	02.13.05.00122
6 Plasma nozzle, contact cutting, DM 0,9 (30-40A), Back Striking	19460132	02.13.05.00128
7 flat Plasma nozzle, DM 1,0 (40-50A), Back Striking	19460136	02.13.05.00131
7 flat Plasma nozzle, DM 1,1 (50-60A), Back Striking	19460140	02.13.05.00134
8 long Plasma electrode, back striking	19460144	02.13.05.00137
9 long Plasma nozzle, contact cutting, DM 0,65 (10-20A), Back Striking	19460148	02.13.05.00140
9 long Plasma nozzle, contact cutting, DM 0,8 (20-30A), Back Striking	19460152	02.13.05.00143
10 long , Plasma nozzle contact cutting, DM 0,9 (30-40A), Back Striking	19460156	02.13.05.00146
11 Protective cap, 6 drillings, grey	19460160	02.13.05.00149
11 Protective cap, 6 drillings, max. lifetime	19460164	02.13.05.00152
12 Spacer with 2 tips	19460168	02.13.05.00155
13 Contact nozzle, DM 0,9 (30-40A), Back Striking	19460133	02.13.05.00162
Contact nozzle, DM 1,0 (40-50A), Back Striking	19460137	02.13.05.00165
Contact nozzle DM 1,1 (50-60A), Back Striking	19460138	02.13.05.00168
14 Protective cap head for contact cutting	19460165	02.13.05.00171
15 Protective cap head for contact cutting.	19460166	02.13.05.00174
16 Long protective nozzle DM 0,9 (40A) Back Striking	19460154	02.13.05.00177
Long protective nozzle DM 1,0 (50A) Back Striking	19460158	02.13.05.00180
Long protective nozzle 1,1 (60A) Back Striking	19460159	02.13.05.00183
17 Protective cap	19460161	02.13.05.00186
18 long protective cap (40-60A)	19460162	02.13.05.00189
Key for electrode	19461156	02.13.05.00243

Plasma Cutting Torches

PT-60 Plasma Cutting Torches

Suitable for Avalon 40.1 PFC/AIR and 60 CNC/AIR



PTM-100 Plasma Cutting Torches

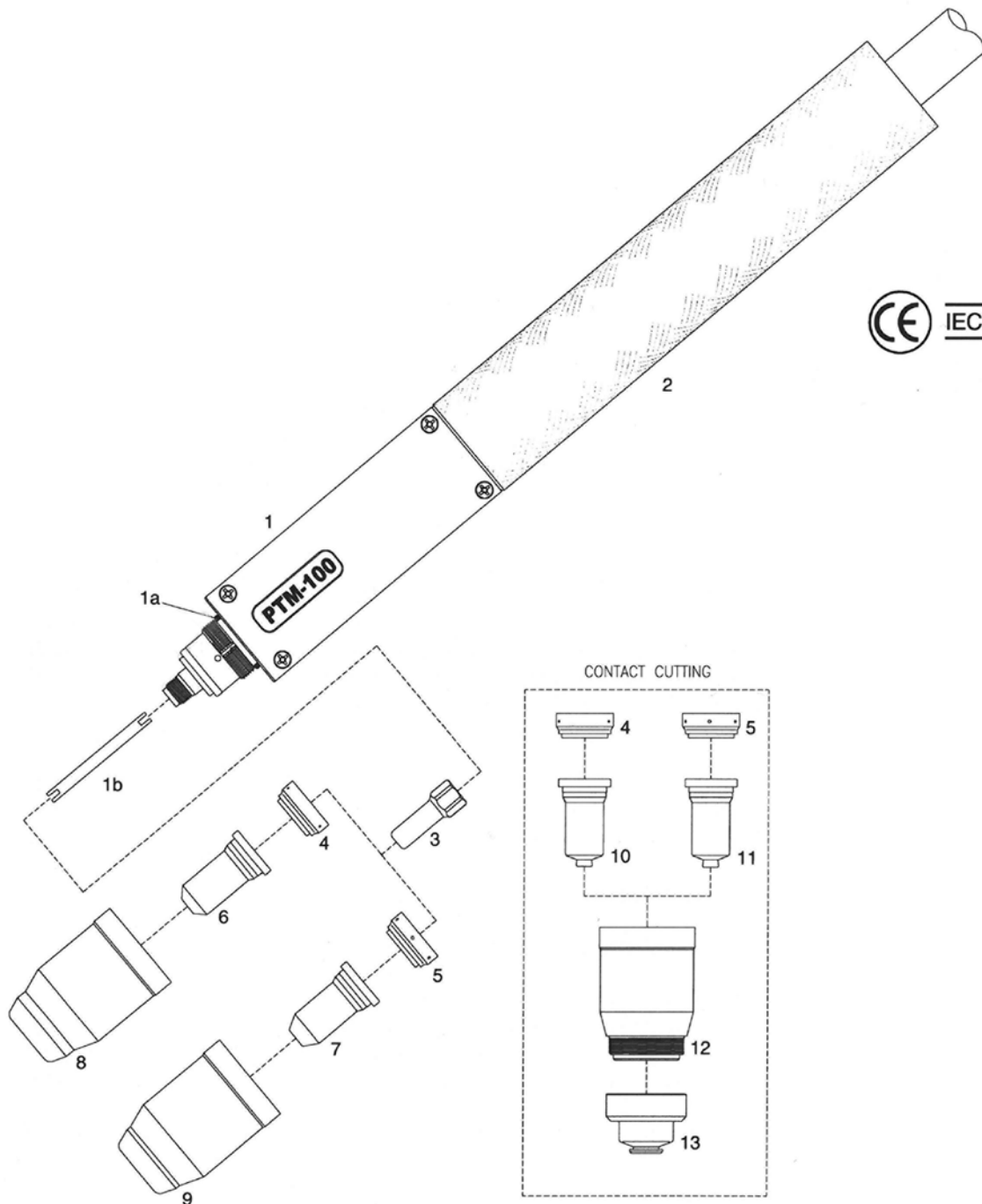
Cutting torch components PTM-100	Item no. old	Item no. new	Typ	PTM-100 with coaxialcable
1a O-Ring	19462100		Plasma cutting torch	Machine torch, 6 m hose with rubber cover
1b Cooling tube	19462104			
2 Fibreglas Positions-Pipe	19462108	02.13.05.00305		
3 Plasma elektrode, Back Striking	19460110			
4 Diffusor 30 – 70A	19462120	02.13.05.00311		
5 Diffusor 80 – 100A	19462127	02.13.05.00313		
6 Plasma nozzle, cut, DM 1,0 (40-50A), Back Striking	19462128	02.13.05.00315		
6 Plasma nozzle, cut, DM 1,1 (50-60A), Back Striking	19462151	02.13.05.00319		
6 Plasma nozzle, cut, DM 1,2 (60-70A), Back Striking	19462152	02.13.05.00321		
7 Plasma nozzle, cut, DM 1,4 (80-90A), Back Striking	19462153	02.13.05.00323		
7 Plasma nozzle, cut, DM 1,5 (100A), Back Striking	19462154	02.13.05.00325	Current range	30 - 100 A
			Duty cycle 60%	100 A
8 Protective cap, 30 – 70A	19462155	02.13.05.00327	Gas	Air/N2
9 Protective cap, 80 – 100A	19462163	02.13.05.00329	Gas pressure	4,6 - 5,0 bar
Key for electrodes	19462164	02.13.05.00331	Gasflow	200 lpm
10 contact nozzle D 1,0 (40–50A), Back Striking			Ignition	without HF*
10 contact nozzle D 1,1 (50–60A), Back Striking	19462195	02.13.05.00338	Item no. old, 6 m	19462008
10 contact nozzle D 1,2 (60–70A), Back Striking	19462197	02.13.05.00341	Item no. new, 6 m	02.12.04.00106
11 contact nozzle D 1,4 (80–90A), Back Striking	19462198	02.13.05.00344	Item no. old, 12 m	19462006
11 contact nozzle D 1,5 (100–110A), Back Striking	19462199	02.13.05.00347	Item no. new, 12 m	02.12.04.00112
12 Protective cap for contact cut	19462200	02.13.05.00350		
13 Protective cap for contact cut	19462204	02.13.05.00356		
14 Fibreglas Positions-Pipe, with thread	19462203			

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Plasma Cutting Torches

PTM-100 Plasma Cutting Torches

Suitable for Avalon 120 CNC



Plasma Cutting Torches

PT-100 Plasma Cutting Torches

with coaxial cable suitable for Avalon 120 CNC

Features

- The special coaxial cable of this torch is extremely robust against slag and heat.

Typ	PT-100 with coaxial cable
Plasma cutting torch	hand torch 70°, 6 m hose with rubber cover
Current range	30 - 100 A
Duty cycle 60%	100 A
Gas	Air/N ₂
Gas pressure	4,6 - 5,0 bar
Gasflow	200 lpm
Ignition	without HF*
Item no. old	19462000
Item no. new	02.12.04.00306

*Patented ignition system without contact of the workpiece.

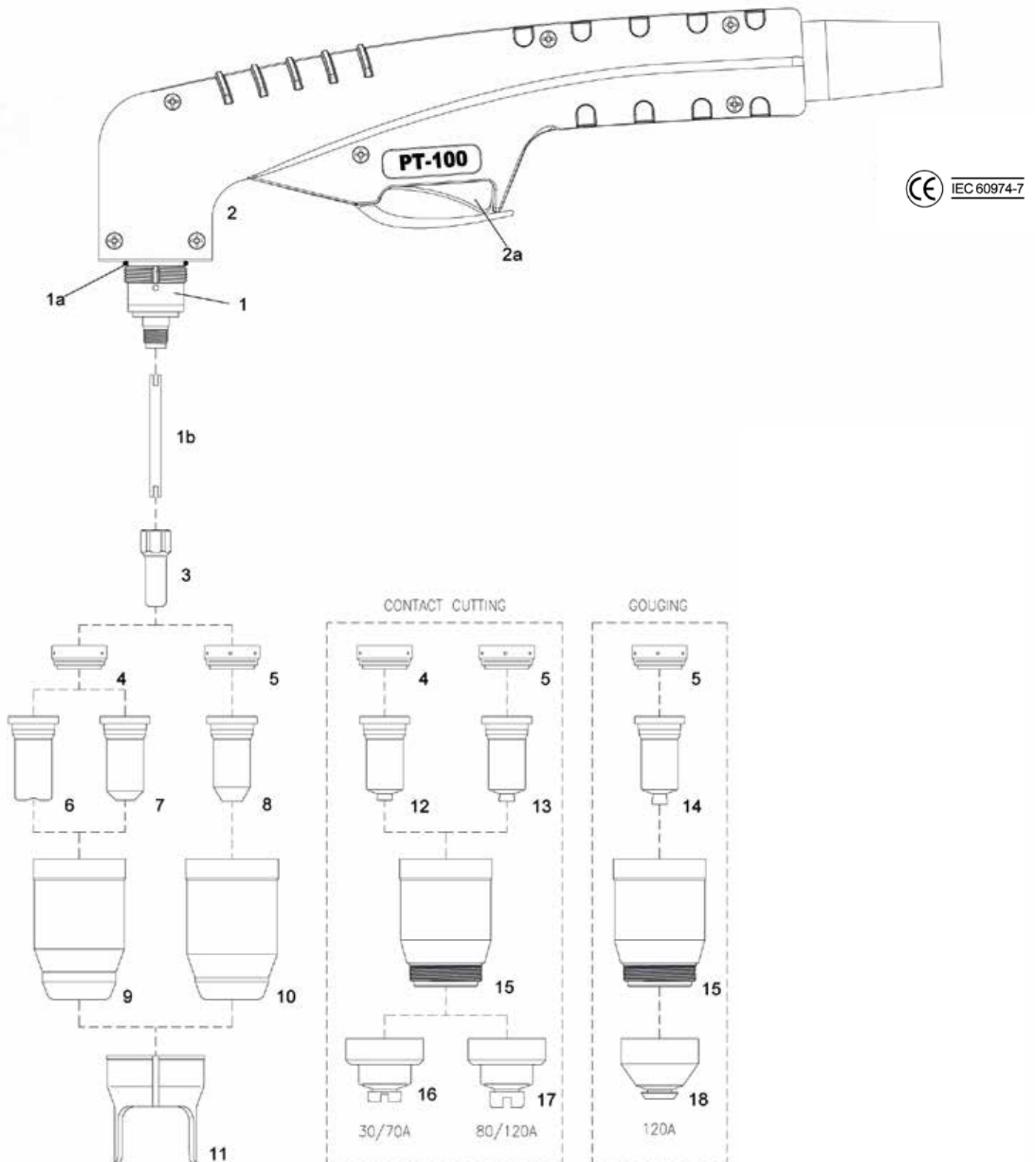
Accessories	Item no. old	Item no. new
Circle cutting attachment	19461192	02.13.05.00192
Cutting guide	19461196	02.13.05.00274

Cutting torch components PT-100	Item no. old	Item no. new
1 Hand torch head 70°	19462100	
1a O-ring	19462104	
1b Cooling tube	19462108	02.13.05.00305
2 Handle with switch	19461106	02.13.05.00307
2a Switch	19462112	02.13.05.00309
3 Plasma elektrode, Back Striking	19462120	02.13.05.00311
4 Diffusor 30 - 70 A	19462127	02.13.05.00313
5 Diffusor 80 - 120 A and gouging	19462128	02.13.05.00315
6 Plasma nozzle, contact cut, DM 0,9 (30 - 40A), Back Striking	19462194	02.13.05.00317
7 Plasma nozzle, cut, D 1,0 (40 - 50A), Back Striking	19462151	02.13.05.00319
7 Plasma nozzle, cut,, D 1,1 (50 - 60A), Back Striking	19462152	02.13.05.00321
7 Plasma nozzle, cut, D 1,2 (60 - 70A), Back Striking	19462153	02.13.05.00323
8 Plasma nozzle, cut, D 1,5 (100 - 110A), Back Striking	19462154	02.13.05.00325
8 Plasma nozzle, cut, D 1,6 (110 - 120A), Back Striking	19462155	02.13.03.00327
9 Protective cap, 30 - 70A	19462163	02.13.05.00329
10 Protective cap, 80 - 120A	19462164	2.13.05.00331
11 Spacer with 2 tips (only for 7 and 8)	19462168	02.13.05.00333
Key for electrodes	19462100	02.13.05.00335
12 contact nozzle D 1,0 (40 - 50A), Back Striking	19462195	02.13.05.00338
12 contact nozzle D 1,1 (50 - 60A), Back Striking	19462197	02.13.05.00341
12 contact nozzle D 1,2 (60 - 70A), Back Striking	19462198	02.13.05.00344
13 contact nozzle D 1,4 (80 - 90A), Back Striking	19462199	02.13.05.00347
13 contact nozzle D 1,6 (110 - 120A), Back Striking	19462200	02.13.05.00350
14 Gouging nozzle (100 - 120A), back striking	19462158	02.13.05.00353
15 Protective cap	19462204	02.13.05.00356
16 Protective cap head for contact cutting (40 - 70A)	19462210	02.13.05.00359
17 Protective cap head for contact cutting (80 - 120A)	19462212	02.13.05.00362
18 Protective cap head for gouging	19462214	02.13.05.00365

Plasma Cutting Torches

PT-100 Plasma Cutting Torches

with coaxial cable suitable for Avalon 120 CNC



Plasma Cutting Torches

XT160 Plasma Cutting Torches

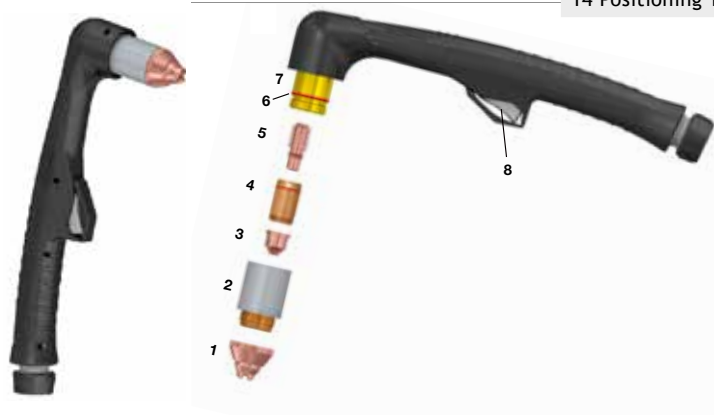
suitable for Avalon 160 CNC

Typ	XT-160 / 6m
Plasma cutting torch	hand torch, 6 m with coaxial cable
Cutting Thickness	40-45 mm
Duty Cycle 60%	160 A
Gas	Air
Air Pressure	5,0 - 6,0 bar
Start	Pneumatic Ignition
Item no.	02.12.04.01160

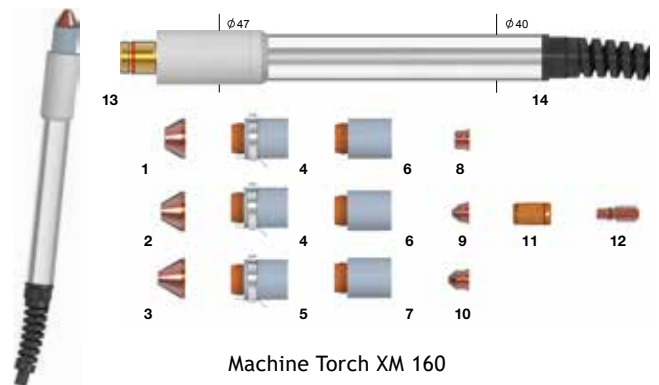
Cutting torch components X-160 / 6m	Item no.
1 Protective cap, 105-160 A	02.13.05.01110
2 Protective cap, 105-160A	02.13.05.01120
3 Plasma nozzle, 160A	02.13.05.01130
4 Diffusor	02.13.05.01140
5 Plasma electrode	02.13.05.01150
6 O-ring	02.13.05.01160
7 Hand torch	02.13.05.01170
8 Switch	02.13.05.01190

Typ	XM-160 / 6 m / 12 m
Machine torch	hand torch, 6 m / 12 m with coaxial cable
Cutting Thickness	40-45 mm
Duty Cycle 60%	160 A
Gas	Air
Air Pressure	420 l/min
Gas pressure	5,0 - 6,0 bar
Start	Pneumatic Ignition
Item no. 6 m	02.12.04.01170
Item no. 12 m	02.12.04.01172

Machine torch components XM-160	Item no
1 Deflector, Precision Cut , 45-85 A	
2 Shield Cup, 45-85A	
3 Shield Cup, 105-160A	
4 Shield Cup cap, 45-85 A	
5 Shield Cup cap, 105-160 A	
6 Shield Cup 45A, 65A, 85A	
7 Shield Cup 105-125A, 160A	
8 Cutting nozzle, Precision Cut 30 - 45A	
9 Cutting nozzle 45A, 65A, 85A	
10 Cutting nozzle 105 - 125A, 160A	
11 Diffusor	02.12.05.00140
12 Electrode	02.13.05.00150
13 Torch Head	02.13.05.01180
14 Positioning Tube	02.13.05.01200



Plasma torch XT 160



Machine Torch XM 160

