SILVER PRO

ELECTRODE WITH SILVER INSERT SUITABLE FOR KJELLBERG®

THERMACUT®
THE CUTTING COMPANY®

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YOU CAN CHOOSE OPTIMAL TECHNOLOGY
ONLY THERMACUT OFFERS YOU BOTH ELECTRODE SOLUTION FOR TORCHES PERCUT® 160, PERCUT® 170, PERCUT® 370.1

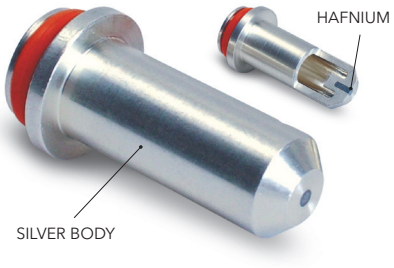
NEW CONSTRUCTION OF ELECTRODES WITH SILVER INSERT ALLOWS YOU TO DECREASE YOUR OPERATING COSTS

Due to the increasing price of silver the production cost of our all silver electrodes have moved to an unacceptable level which has the negative impact of rising costs for the operation of your plasma cutting system.

Electrodes with the SILVER PRO technology are designed to achieve very similar performance with improved purchasing costs comparing to the all-silver electrode. The solid silver insert improves the flow of electricity and simultaneously chills the area around hafnium insert that extends the lifetime of the electrode.

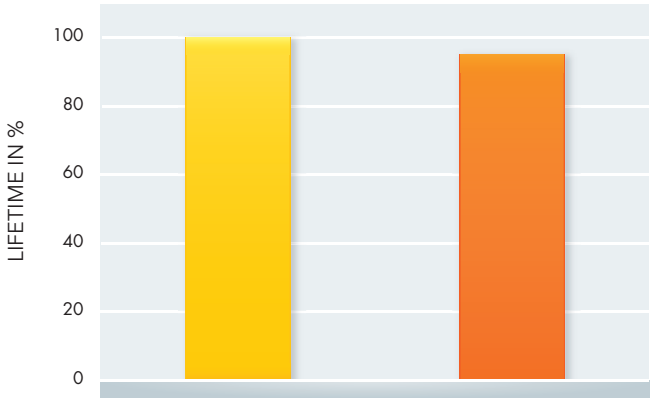
With this solution the SILVER PRO electrode represents a strong-improvement over standard copper electrodes at a lower cost than the all-silver electrode design. Based on our factory lab testing and actual field results the best lifetime results are reached when cutting material up to 15 mm thickness.

ELECTRODE WITH SILVER PRO TECHNOLOGY, REF. NO. S002 (Y, X, ETC.)



ALL-SILVER ELECTRODE, REF. NO. S002 (Y, X, ETC.)

GRAPH: LIFETIME TEST RESULTS OF ELECTRODES WITH THE SILVER PRO TECHNOLOGY



PARAMETRES:

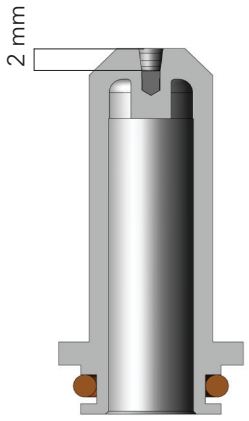
MATERIAL: 10 MM MS,

CUTTING SPEED: 2,8 M/MIN,

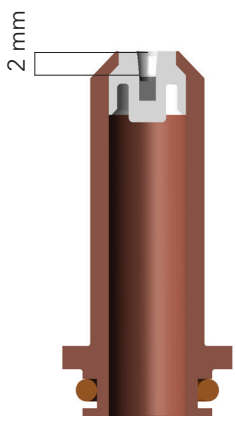
ALL-SILVER ELECTRODE

THERMACUT ELECTRODE WITH SILVER PRO TECHNOLOGY

ELECTRODE WEAR



Maximum wear of the all-silver electrode 2 mm deep



Maximum wear of Thermacut SILVER PRO electrode 2 mm deep

Internal tests proved that electrode with SILVER PRO technology allows maximum wear 2,00 mm deep as well as all-silver electrode.

General rules on how to optimize the plasma cutting process and how to obtain the best consumables life and cutting quality:

1) Keep consumables in a clean place, dirt, dust or moisture will contaminate your coolant and damage your cooling system.

2) 90% of consumable life problems is caused by your cooling system condition, maintain it well. Change the coolant periodically.

3) Let the gas purge through the torch for 30sec or 1min during the initial morning start to get condensed moisture out and then after every consumables change to get the residual coolant out.

4) Check the real torch height compared to the arc voltage during cutting.

5) Check condition of your consumables:
– swirl parts has to have perfect condition of the small orifices
– no part can be damaged any way, damaged O-rings can cause gas or coolant leaking, nozzle orifice can greatly influence cut quality

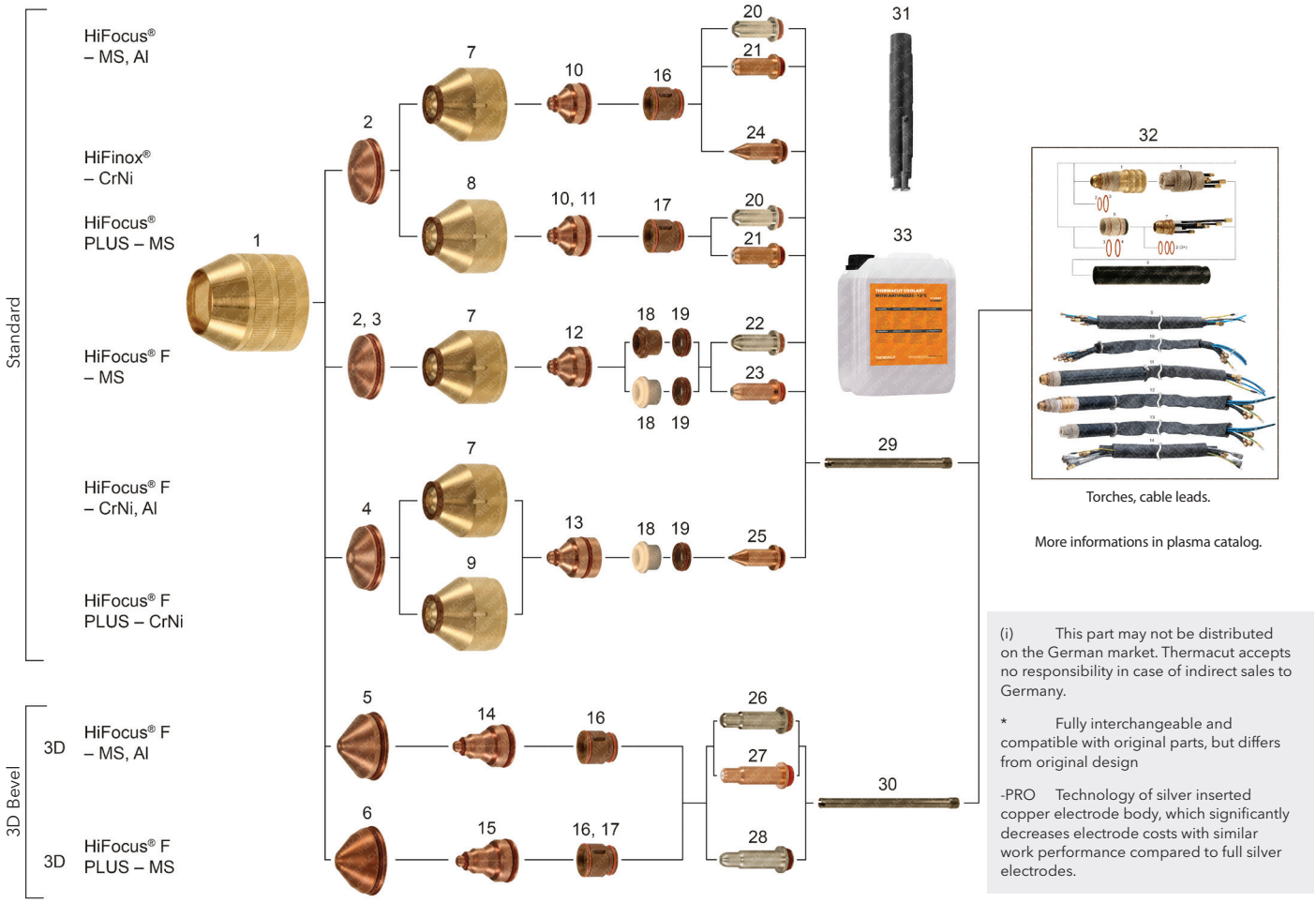
6) Don't let tear the cutting arc off, it can happen by mistake in cutting program or getting cutting torch out of the plate, it can decrease consumable life more than 90%.

7) Protect shield and nozzle against the spatter by cleaning or better yet combine cleaning and using of good separation chemicals, we recommend to use our Heat Shield Grease, ref. no. T-11700.

8) consumable life is best indicator of your machine condition, watch it by register in machine diar, we recommend to use our Hafnium Depth Pit Gauge, ref. no. T-11600.

9) Keep whole cutting machine in good condition.

REPLACEMENT PARTS SUITABLE FOR TORCHES PERCUT® 160, PERCUT® 170, PERCUT® 370.1



(i) This part may not be distributed on the German market. Thermacut accepts no responsibility in case of indirect sales to Germany.

* Fully interchangeable and compatible with original parts, but differs from original design

-PRO Technology of silver inserted copper electrode body, which significantly decreases electrode costs with similar work performance compared to full silver electrodes.

Item	Part No.	Ref. No.	Sh.Ref.No.	Description	Std. Pkg.
1.	T-8630	11.835.201.081	Z501	Protection Cap	1
2.	T-8631	11.835.201.1561	Z4015	Swirl Gas Cap 1,5	10
	T-8632	11.835.201.1571	Z4020	Swirl Gas Cap 2,0	10
	T-8885	11.835.201.1551	Z4022	Swirl Gas Cap 2,2	10
	T-8633	11.835.201.1581	Z4025	Swirl Gas Cap 2,5	10
	T-8634	11.835.201.1591	Z4030	Swirl Gas Cap 3,0	10
3.	T-8650	11.835.401.1571	Z4140	Swirl Gas Cap 4,0	10
4.	T-9928	11.835.411.1581	Z4530	Swirl Gas Cap 3,0	10
	T-10153	11.835.411.1580	Z4535	Swirl Gas Cap 3,5	1
	T-9929	11.835.411.1591	Z4540	Swirl Gas Cap 4,0	1
5.	T-10299	11.838.001.1561	Y4015	Swirl Gas Cap 1,5 (3D)	1
	T-10279	11.838.001.1571	Y4020	Swirl Gas Cap 2,0 (3D)	5
6.	T-10294	11.842.601.157	R4020	Swirl Gas Cap 2,0 (3D)	5
	T-10278	11.842.601.155	R4022	Swirl Gas Cap 2,2 (3D)	5
	T-10280	11.842.601.158	R4025	Swirl Gas Cap 2,5 (3D)	5
	T-10303	11.842.701.158	R4130	Swirl Gas Cap 3,0 (3D)	5
	T-10302	11.842.701.159	R4140	Swirl Gas Cap 4,0 (3D)	5
7.	T-8887	11.842.401.160	S3004	Nozzle Cap 0,4	1
	T-8888	11.842.401.162	S3008	Nozzle Cap 0,8	1
8.	T-8889	11.842.401.1622	S3028	Nozzle Cap 0,8	1
	T-10208	11.842.401.1624	S3048	Nozzle Cap 0,8	1
9.	T-10328	11.842.401.1621	S3018	Nozzle Cap 0,8	1
NS	T-10249	11.842.601.160 OEM	R3004	Nozzle Cap 0,4	1
NS	T-10298	11.842.601.162 OEM	R3008	Nozzle Cap 0,8	1
NS	T-10250	11.842.601.1621 OEM	R3018	Nozzle Cap 0,8 (3D)	1
NS	T-10251	11.842.601.1622 OEM	R3028	Nozzle Cap 0,8 (3D)	1
10.	T-10000	11.843.021.406	S2006X	Nozzle 0,6 25A	10
	T-10001	11.843.021.407	S2007X	Nozzle 0,7 35A	10
11.	T-10002	11.843.021.408	S2008X	Nozzle 0,8 50/60A	10
	T-10003	11.843.021.409	S2009X	Nozzle 0,9 70/80A	10
	T-10004	11.843.021.410	S2010X	Nozzle 1,0 80/90A	10
	T-9699	11.843.021.411	S2011X	Nozzle 1,1 90/100A	10
	T-10005	11.843.021.412	S2012X	Nozzle 1,2 100/130A	10
	T-10006	11.843.021.414	S2014X	Nozzle 1,4 130/160A	10

Item	Part No.	Ref. No.	Sh.Ref.No.	Description	Std. Pkg.
	T-10007	11.843.021.416	S2016X	Nozzle 1,6 160A	10
12.	T-10008	11.843.121.412	S2112X	Nozzle 1,2 100A	10
	T-10009	11.843.121.414	S2114X	Nozzle 1,4 130A	10
	T-10010	11.843.121.416	S2116X	Nozzle 1,6 160A	10
13.	T-10011	11.843.111.614	S2514X	Nozzle 1,4 120A	5
	T-9926	11.843.111.616	S2516X	Nozzle 1,6 140A	5
	T-9927	11.843.111.618	S2518X	Nozzle 1,8 160A	5
14.	T-10272	11.842.621.407	R2007	Nozzle 0,7 35A (3D)	10
15.	T-10252	11.842.621.408	R2008	Nozzle 0,8 50A (3D)	10
	T-10273	11.842.621.409	R2009	Nozzle 0,9 70A (3D)	5
	T-10274	11.842.621.410	R2010	Nozzle 1,0 80A (3D)	5
	T-10275	11.842.621.411	R2011	Nozzle 1,1 90A (3D)	10
	T-10276	11.842.621.412	R2012	Nozzle 1,2 100A (3D)	10
	T-10277	11.842.621.414	R2014	Nozzle 1,4 130A (3D)	10
16.	T-8623	11.835.221.153	Z101	Swirl Ring 0,4 (3×cw)	1
17.	T-8886	11.835.221.154	Z102	Swirl Ring 0,4 (2×cw)	1
18.	T-9287	11.834.321.153K	Z111	Swirl Ring – ceramic	1
	T-8618	11.834.321.153	Z111	Swirl Ring – vespel	1
19.	T-8655	11.835.421.303	Z111A	Spacer	2
20.	T-4920	11.843.021.320-AG	S002Y	Cathode, SilverEX-*	5
21.	T-11204*	11.843.021.320-PRO	S002Y	Cathode, Silver PRO	5
22.	T-4924	11.843.121.310-AG	S012X	Cathode, SilverEX-*	5
23.	T-11853*	11.843.121.310-PRO	S012X	Cathode, Silver PRO	5
24.	T-9924	11.842.411.510	S042	Cathode, HiFinox® (i)	5
25.	T-9925	11.842.511.510	S052	Cathode, FineFocus® (i)	5
26.	T-4931	11.842.621.310-AG	R002	Cathode O_2 XL, SilverEX-*	5
27.	T-11851	11.842.621.310-PRO	R002	Cathode O_2 XL, Silver PRO	5
28.	T-11839	11.842.721.310-AG	R012	Cathode O_2, SilverEX-*	5
29.	T-10207	11.842.401.152	S901	Cooling Tube	1
30.	T-11161	11.842.601.152	R901	Cooling Tube	1
31.	T-11322	12.40320		Wrench for Swirl Ring	1
32.	Torches, cable leads. More informations in plasma catalog.				
33.	Coolant Liquid. More informations in plasma catalog – section Accessories.				

THE THERMACUT DIFFERENCE:
THERMACUT PROVIDES YOU WITH THE CARE YOU NEED FOR YOUR COMPLEX PLASMA CUTTING SYSTEM

Your plasma cutting system is a complex piece of equipment. Thermacut offers not only replacement consumables, but also replacement torches and leads. We also offer you advice and training from our experienced Thermacut specialists to help you get the most out of your equipment.

OUR GOAL IS TO PROVIDE A COMPLETE CARE NETWORK FOR OUR CUSTOMERS, INCLUDING:

- Free consumable samples: put our consumables to the test on your plasma cutting system.
- **For more information please call: +420 556 423 411.**
- Supply our customers with a complete range of consumables, torches, and leads.
- Free introductory training for your plasma cutting operator.
- Providing free inspections of your torches and lead assemblies.
- Provide repairs for your damaged torches and lead assemblies.
- Training based on the most commonly-used plasma cutting systems in our lab.
- Additional products for use in the metal-cutting industry including laser and oxy-fuel.
- Control of technical conditions of cutting system.
- Measuring of conductivity of the coolant.

REASONS TO BUY THERMACUT PARTS:

- Our quality is equal to OEM quality, but with a much more reasonable cost.
- Our Sales Representatives not only assist you with purchasing our products, but are also technically trained and able to provide troubleshooting help as well as advice be it over the phone or on-site.
- We are able to provide you with not just consumables, but also replacement torches and lead assemblies.
- We offer the ability to repair your worn or damaged torch and lead sets.
- We can provide technical training focused on the most commonly-used plasma cutting systems.

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