

# REPLACEMENT PARTS SUITABLE FOR PLASMA CUTTING SYSTEM KJELLBERG® HIFOCUS 160i®

**THERMACUT®**  
THE CUTTING COMPANY®

OBCHODNÍ ODDĚLENÍ THERMACUT, K. S.  
DUKELSKÁ 76A, ŠENOV U NOVEHO JIČÍNA 742 42  
TEL.: +420 556 423 418  
E-MAIL: OBCHOD@THERMACUT.CZ  
WWW.THERMACUT.CZ



# REPLACEMENT PARTS SUITABLE FOR HIFOCUS 160i® [1]

## SILVEREX®- ELECTRODE

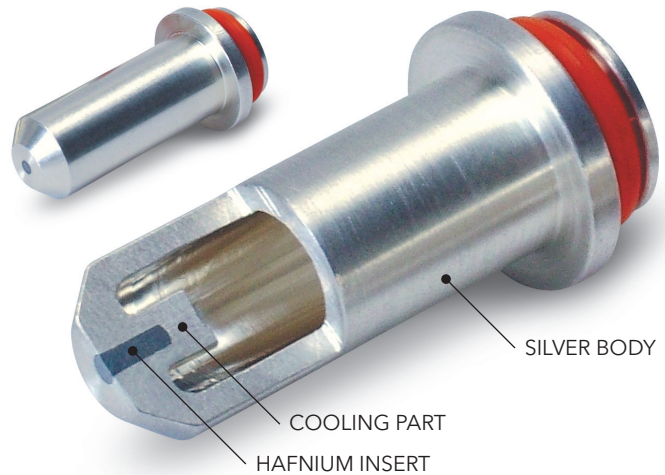
### WHAT IS YOUR "SILVER" ELECTRODE MADE OF?

Silver conducts electrical current better than copper and because of this more energy is delivered directly to the plasma arc, resulting in increased cutting speeds up to 40% compared to ordinary electrodes.

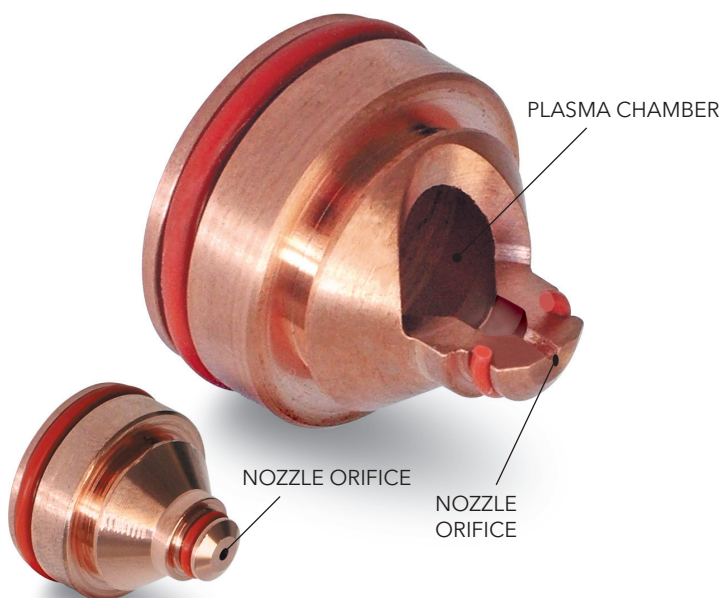
Thermacut guarantees that its silver electrodes contain >90% of pure silver, which is superior to all other aftermarket competition.

Silver also has the advantage of conducting heat better than copper. The silver transfers heat away from the tip, cooling the hottest area of the electrode. The high current transfer and optimum cooling guarantee the maximum life of the consumables while maintaining or improving cut quality - less slag, narrower kerfs, and better appearance.

High cut quality is also influenced by the quality of materials and production precision of the consumables; for electrodes the important size in tolerance is +/- 0,02.



SILVEREX® ELECTRODE - SILVER FROM END-TO-END. SILVER PURITY IS NOT DISCERABLE BY THE EYE; THAT'S WHY THIS THERMACUT DOCUMENT ATTESTS TO THE PURITY OF THE SILVER CONDUCTED BY AN INDEPENDENT MATERIAL LABORATORY - NEW HAMPSHIRE LABORATORY, INC. NO. 24906C



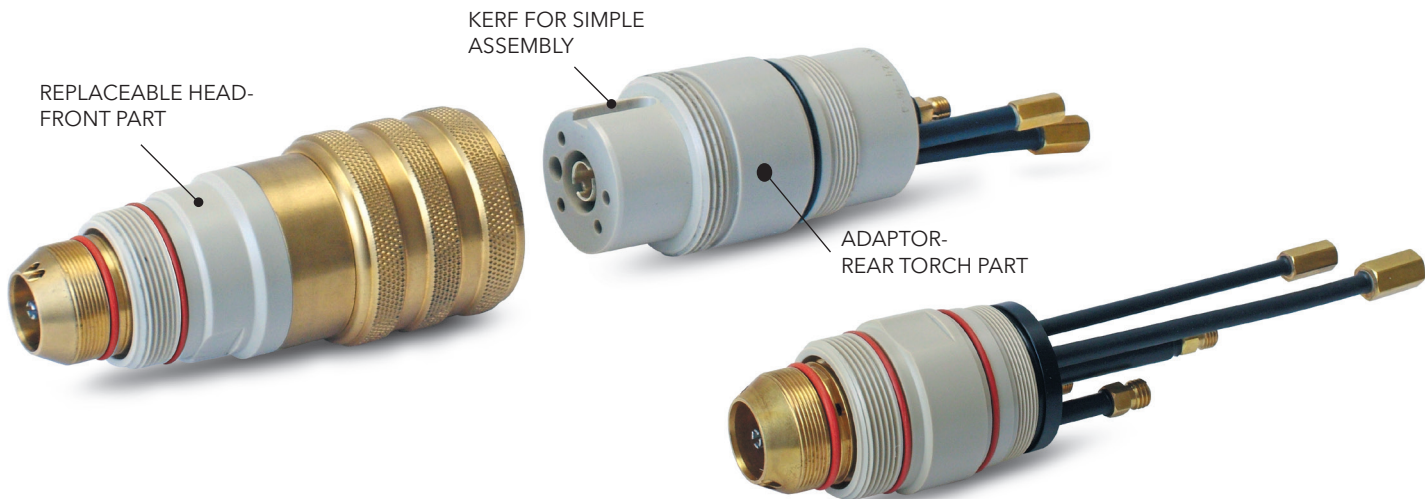
### NOZZLE ORIFICE QUALITY MATCHES THE CUT QUALITY

For mechanized plasma systems, it is very important to maintain production precision of all consumables. These quality requirements are particularly important on the nozzle orifice, where it is necessary to account for circularity, cylindricity, and roughness of the machined surfaced hole.

Nozzles are manufactured by the first-line CNC machines and cutting tools, which are characterized by their high rigidity. This makes the production process stable for consistently optimal nozzle parameters, while tolerance sizes are equal to the electrodes.

# SUITABLE REPLACEMENT FOR PERCUT 160® AND PERCUT 170® TORCHES

Both torch types use the same consumables. PerCut 160® and PerCut 170® torches, when used with the HiFocus 160i® plasma cutting system, provide the best cut quality for thin metal plates and stainless steel. Thermacut produces leads 1,7 m lenght suitable for torch types PerCut 160® and PerCut 170®.



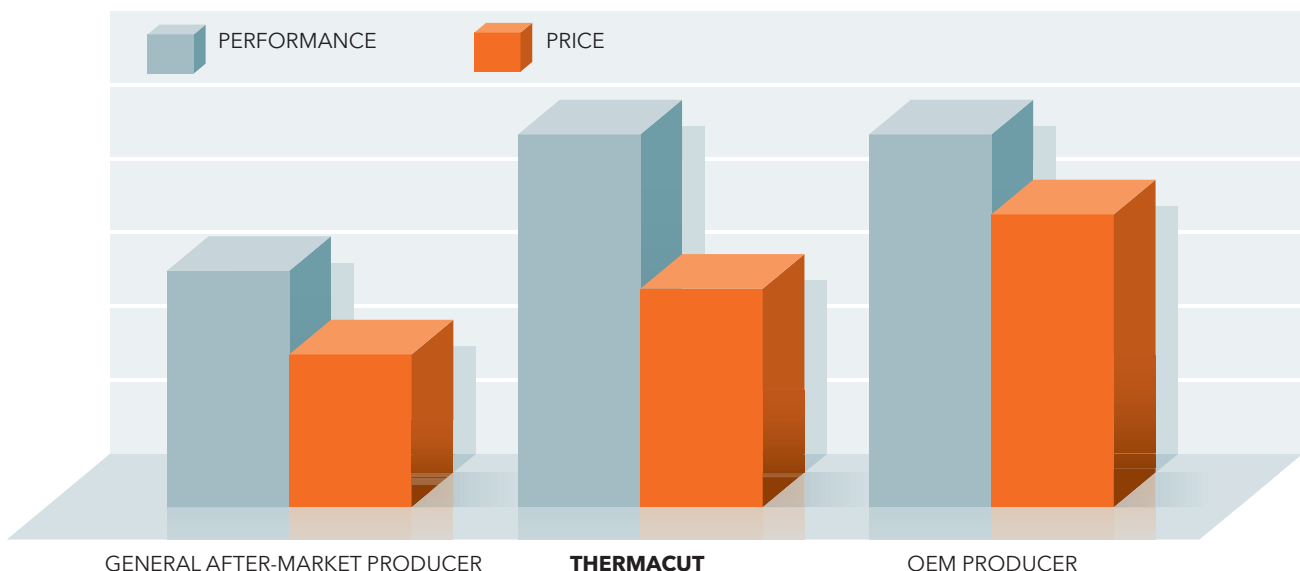
## REPLACEABLE HEAD PERCUT 170®

One of the advantages of using this torch is quick head changes, allowing you to quickly switch out complete torch heads preloaded with consumables designed for the material and cut thickness of the current job. This increases productivity by saving you time and extends consumable life by using consumables for their proper application.

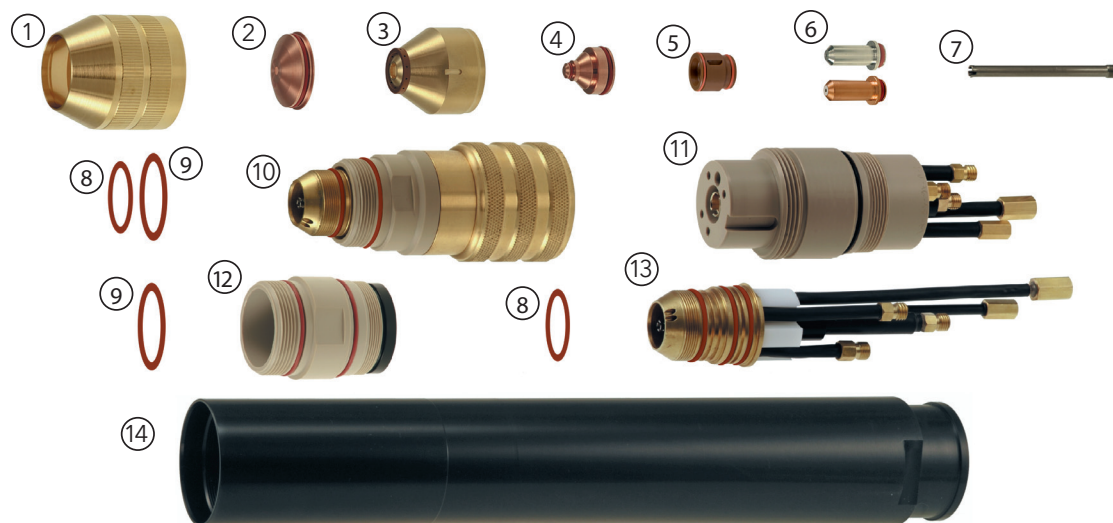
## PERCUT 160®

This is a simple one-piece torch that allows you to achieve a very precise cut while maintaining an optimal price-performance ratio. This torch has the advantage of being suitable for a wide range of amperages and operations. It is even possible to replace the PerCut 80®/PerCut 90® with this torch after consulting a technician.

Graph: comparison of the electrode 11.843.021.320-AG price and performance with electrode produce by the other manufacturers (mild steel, thickness 10 mm, cutting speed 2,4m/min., number of starts 1300 with 1,5mm hafnium burn out depth)



# REPLACEMENT PARTS SUITABLE FOR PERCUT 160®/PERCUT 170® [1]



Item	Part No.	Ref. No.	Description		Std. Pkg.	Item	Part No.	Ref. No.	Description		Std. Pkg.
1.	T-8630	11.835.201.081	Protection Cap	Z501	1		T-10010	11.843.121.416	Nozzle	S2116X	1
2.	T-8631	11.835.201.1561	Swirlgas Cap	Z4015	1		T-10011	11.843.111.614	Nozzle	S2514X	1
	T-8632	11.835.201.1571	Swirlgas Cap	Z4020	1		T-9926	11.843.111.616	Nozzle	S2516X	1
	T-8885	11.835.201.1551	Swirlgas Cap	Z4022	1		T-9927	11.843.111.618	Nozzle	S2518X	1
	T-8633	11.835.201.1581	Swirlgas Cap	Z4025	1	5.	T-8623	11.835.221.153	Gas Guiding Cap	Z101	1
	T-8634	11.835.201.1591	Swirlgas Cap	Z4030	1		T-8886	11.835.221.154	Gas Guiding Cap	Z102	1
	T-8650	11.835.401.1571	Swirlgas Cap	Z4140	1		T-9287	11.834.321.153K	Gas Guiding Cap	Z111	1
	T-9928	11.835.411.1581	Swirlgas Cap	Z4530	1		T-8618	11.834.321.153	Gas Guiding Cap	Z111	1
	T-10153	11.835.411.1580	Swirlgas Cap	Z4535	1		T-10380*	11.834.321.153 OEM	Gas Guiding Cap	Z111	1
	T-9929	11.835.411.1591	Swirlgas Cap	Z4540	1	NS	T-8655	11.835.421.303	Distance Ring	Z111A	1
3.	T-8887	11.842.401.160	Nozzle Cap	S3004	1	6.	T-4920	11.843.021.320-AG	Cathode, Ag	S002Y	5
	T-8888	11.842.401.162	Nozzle Cap	S3008	1		T-11204	11.843.021.320-PRO	Cathode	S002Y	5
	T-8889	11.842.401.1622	Nozzle Cap	S3028	1		T-4924	11.843.121.310-AG	Cathode, Ag	S012X	5
	T-10208	11.842.401.1624	Nozzle Cap	S3048	1		T-9924	11.842.411.510	Cathode, HiFinox® (i)	S042	5
	T-10328	11.842.401.1621	Nozzle Cap	S3018	1		T-9925	11.842.511.510	Cathode, FineFocus® (i)	S052	5
4.	T-10000	11.843.021.406	Nozzle	S2006X	1	7.	T-10207	11.842.401.152	Cooling Tube		1
	T-10001	11.843.021.407	Nozzle	S2007X	1	8.	N-12300	10.505.916	O-Ring		1
	T-10002	11.843.021.408	Nozzle	S2008X	1	9.	N-12301	10.505.946	O-Ring		1
	T-10003	11.843.021.409	Nozzle	S2009X	1	10.	T-10174	11.843.021.100-UR	PerCut 170® Front Part		1
	T-10004	11.843.021.410	Nozzle	S2010X	1	11.	T-10175	11.822.583-UR	PerCut 170® Body		1
	T-9699	11.843.021.411	Nozzle	S2011X	1	12.	T-10282	11.842.221.100-10	Tube PerCut 160®		1
	T-10005	11.843.021.412	Nozzle	S2012X	1	13.	T-9933	11.842.221.100	Torch PerCut 160®		1
	T-10006	11.843.021.414	Nozzle	S2014X	1	14.	T-9857	11.842.421.250	Tube PerCut 160®		1
	T-10007	11.843.021.416	Nozzle	S2016X	1	NS	T-10176	11.843.021.250	Tube PerCut 170®		1
	T-10008	11.843.121.412	Nozzle	S2112X	1	NS	T-9755	11.835.201.077	Clamping Bush		1
	T-10009	11.843.121.414	Nozzle	S2114X	1	NS	T-9756	11.835.201.076	Outer Bush		1

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