

HPR cartridge

Simplify your cutting process



Single-piece consumable – optimized life and cut quality

The Hypertherm HPR[®] cartridge represents a revolutionary change to traditional mechanized plasma consumables. Dramatically simplifying plasma cutting, the cartridge replaces five standard consumables, eliminating costly stack-up errors. Increase productivity with faster consumable changeover and reduced training time. The all-new HPR cartridge will transform the way you cut metal.

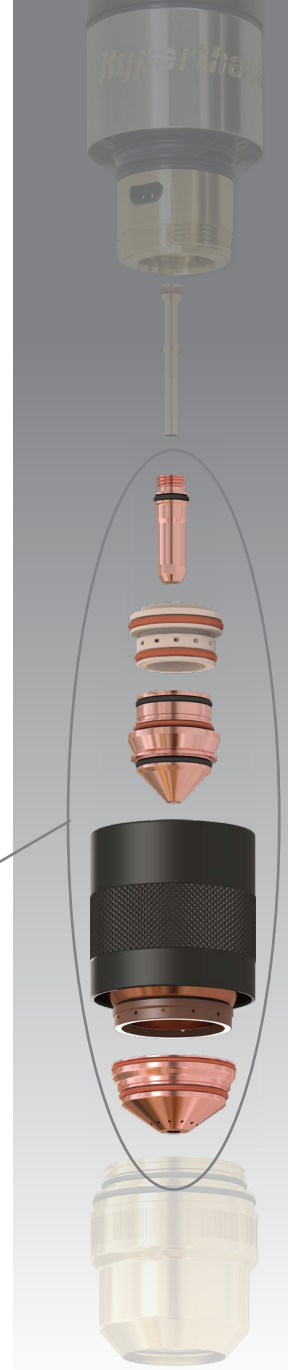
HPR cartridge makes mechanized cutting easier

Simplify plasma cutting

- One cartridge replaces five standard consumables.
- Toolless consumable change allows the cartridge to be replaced without removing the torch.
- Clearly marked single-piece consumable eliminates stack-up errors.
- Easy to upgrade – no process changes needed.

Lower operating cost

- Longer life resulting in fewer consumables used.
- Less time spent managing consumables at the cutting machine and reduces costs associated with purchase, inventory, and storage of consumables.
- Improved quality over life reduces secondary operations, specifically grinding due to dross and angularity.



One cartridge replaces five standard consumables



HPR® cartridges are available for your highest volume cutting processes.

Amps	Standard	Bevel
260	●	●
130	●	◆
80	●	◆

- No cut setting changes needed.
- 80 A and 130 A cartridges produce cuts with a small angle difference (3° or less) from bevel consumables. These angle differences are acceptable for most production environments. For additional bevel information, refer to HPR cartridge instruction manual 810992.

Enhanced cut quality

- Extended cut quality over life compared to standard HPR® consumables.
- New consumables with each cartridge ensure the highest cut quality results from your HPR.
- Fewer consumable parts to manage encourages customers to cut at recommended amperages for their applications.



Increased productivity

- Faster consumable changeovers reduces downtime, putting more plate through the cutting process.
- Eliminates consumable stack-up mistakes that result in expensive rework, plate damage, torch and consumable failures, and down-time.
- Simplifies operator training.

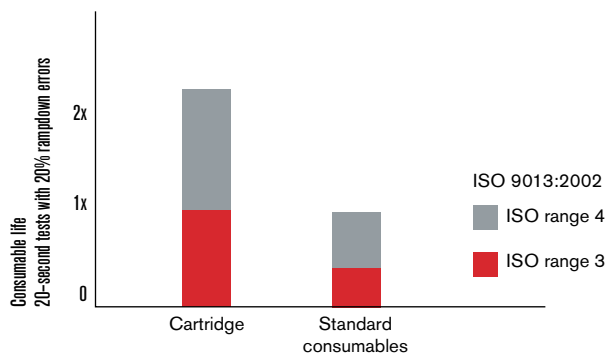


Simplified torch design with plug-n-play compatibility

- Connects directly to standard HPRXD® receptacle.
- No setting changes required.
- Use your current HPRXD torch for cutting all other HPR processes.

HPR cartridge quality over life

Oxygen 20/20 cut quality over life
7 mm to 20 mm mild steel



Data from HyPerformance® HPRXD® 80-260 A lab testing.

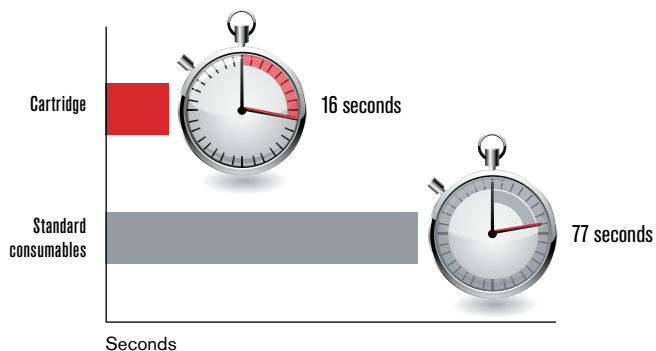
Production may vary.

The cut quality ranges, shown in these test results, meet the ISO 9013:2002 industrial standard that defines cut quality of thermally cut parts. The lower the range, the smaller the angle on the cut face.

"This cartridge cuts changeover time from over 2 minutes every time to just 10 seconds!"

—OPERATOR, STEEL SERVICE CENTER, OREGON USA

Consumable changeover time



Based on a typical consumable changeover of electrode and nozzle.

Mild steel cartridge

HPR XD				Amperage	Retaining cap (1)	Cartridges (10)	Water tube (1)	Torch (1)
800	400	260	130					
●	●	●	●	80 A	420708	420803	420728	420729
●	●	●	●	130 A	420708	420705	420728	420729
●	●	●		260 A	420708	420715	420728	420729

Additional parts available

Part number	Description
528101	Torch kit: HPRXD cartridge torch
528102	Kit: 420803 HPRXD cartridge 80A MS 3-pk
528103	Kit: 420705 HPRXD cartridge 130A MS 3-pk
528104	Kit: 420715 HPRXD cartridge 260A MS 3-pk
528105	Kit: HPRXD cartridge multi-amps MS 3-pk
528106	Kit: HPRXD cartridge torch rebuild
528107	Kit: O-ring cartridge torch
528108	Kit: Electronics PM kit: HPR130XD cartridge
528109	Kit: Electronics PM kit: HPR260XD cartridge (200–240V)
528110	Kit: Electronics PM kit: HPR400/800XD cartridge (200–240V)
528111	Kit: Electronics PM kit: HPR260/400/800XD cartridge (380–600V)
026919	O-ring: cartridge upper shield
026934	O-ring: cartridge lower shield

For more information, visit www.hypertherm.com

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898210EN-EU

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