

Circular Bearing Periphery System (CPS) for Excavation Equipment Buckets

The Circular Bearing Periphery System (CPS) is a tooth design for excavation equipment buckets. The CPS has a tooth and adapter wear system that offers equal load distribution of digging breakout forces from the replaceable tooth, back through the adapter, and up into the bucket. A CPS cutting edge can be installed on any bucket that uses plate lip design, and it requires no additional cuts or machining over conventional lip edges. It may be used with small adapter systems, such as Case backhoes, or larger systems, including mining loaders and excavators. CPS design offers a stabilization effect in operation similar to Whisler style base systems.

CPS is a simple, direct approach, aimed at the attachment of the wear assembly hardware and the bucket lip configuration. By using the common one adapter system of no right or left hands, CPS reduces the tooling and pattern cost related to bucket hardware. Their bolt-on design eliminates the need to replace the complete system by flame cutting and rewelding.

Contact:	B. L. Launder
Organization:	H & L Tooth Company
Address:	Broad, Vogt & Conant, Inc 10055 East 56th St. North
City:	Tulsa
State/Province:	OK
Postal Code:	74117
Country:	USA
Phone No:	918-272-0951
FAX:	918-272-0951
URL:	http://www.h&ltooth.com
Email:	h&ltooth@sprynet.com