

TECHNICAL DATA SHEET

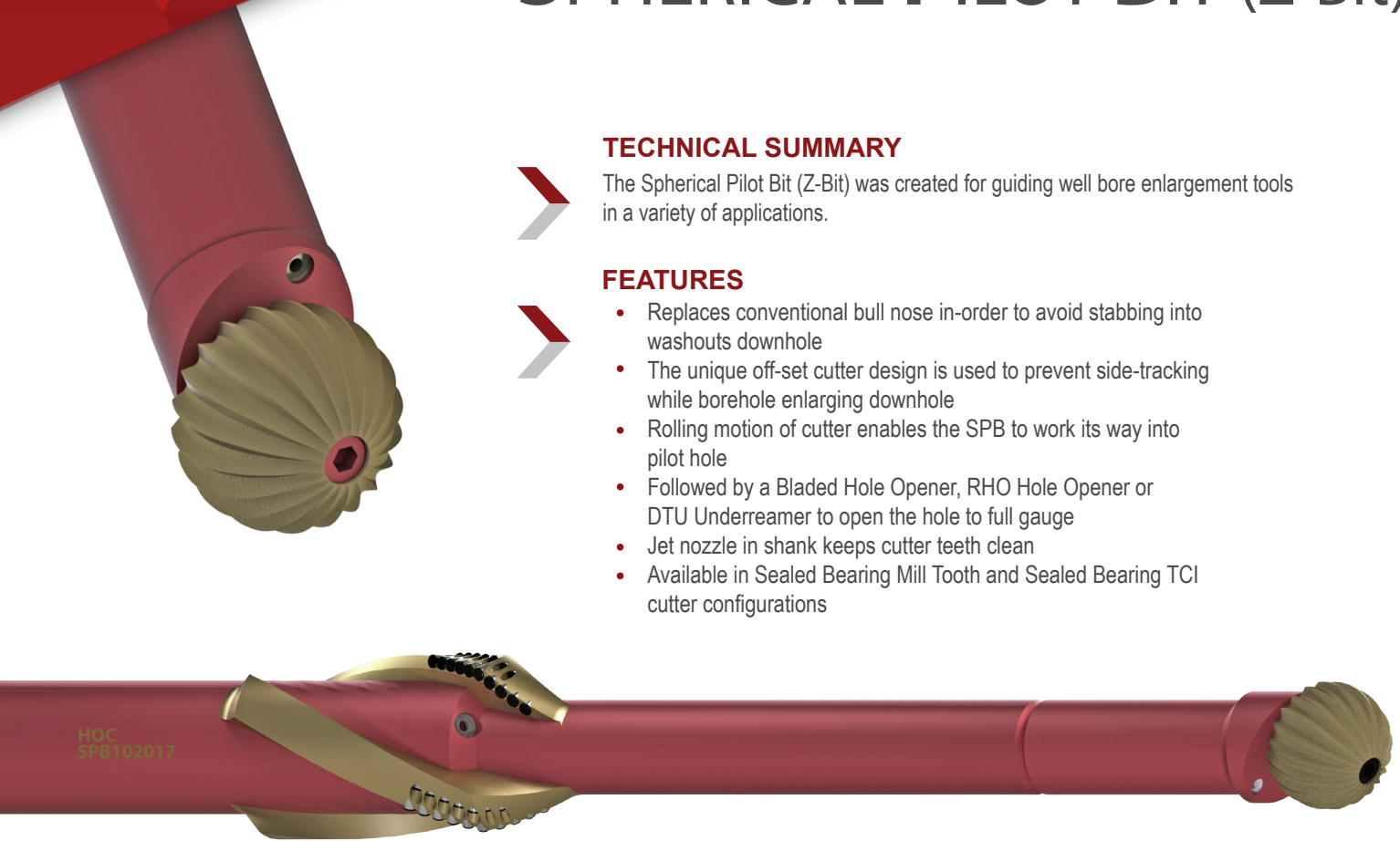
SPHERICAL PILOT BIT (Z-Bit)

TECHNICAL SUMMARY

The Spherical Pilot Bit (Z-Bit) was created for guiding well bore enlargement tools in a variety of applications.

FEATURES

- Replaces conventional bull nose in-order to avoid stabbing into washouts downhole
- The unique off-set cutter design is used to prevent side-tracking while borehole enlarging downhole
- Rolling motion of cutter enables the SPB to work its way into pilot hole
- Followed by a Bladed Hole Opener, RHO Hole Opener or DTU Underreamer to open the hole to full gauge
- Jet nozzle in shank keeps cutter teeth clean
- Available in Sealed Bearing Mill Tooth and Sealed Bearing TCI cutter configurations



TECHNICAL SPECIFICATIONS AND OPERATING PARAMETERS

Tool Series	SPB-575	SPB-837	SPB-1225
Cutter Size (in)	5.75	8.375	12.25
Tool Size Above (in)	6-1/8 - 9-7/8	9-7/8 - 14	14-3/4 - 26
Minimum Pilot Hole (in)	6.00	8.50	12.25
Top Connection (Pin)	2-3/8" Reg 3-1/2" Reg	4-1/2" Reg	6-5/8" Reg 7-5/8" Reg
Number of available Nozzles	1	1	1
Max Temperature (°F)*	250	250	250

* High temperature seals are available upon request.