



SWiPS® Standard Wireline Packer System

The IPI SWiPS® is designed for permeability testing in NQ, HQ and PQ wireline core holes. The packers are hydraulically inflated through the drill string, eliminating the need for high-pressure gas bottles and inflation lines. This system is potentially adaptable to suit other core systems.

APPLICATIONS:

Permeability testing for:

- Mine design and dewatering
- Coal bed methane exploration
- In situ mining

FEATURES:

- Completely hydraulic - needs no nitrogen gas or inflation lines
- Water inflation enables a higher sealing pressure
- Effective to depths over 1,000m in angle and vertical holes
- Works with standard Boart Longyear™ or equivalent systems
- Compatible with orientation devices
- Configurable as single or straddle packer system
- Deflate and retrieve with wireline and standard overshot
- Rental systems available
- Flow meter skids available
- Pump-down versions for shallow angle and horizontal use
- Stainless steel option for brine and other aggressive borehole conditions
- No Inflation line or suspension wire in the rods allows running a small-diameter pump for aquifer testing and sampling
- Sizes to suit NQ, HQ and PQ size core barrels.
- Types of Testing:
 - Permeability
 - Lugeon tests
 - Falling head
 - Air lift

SWiPS® Standard Wireline Packer System

OPERATION: EASY AS 1-2-3

STEP 1

Remove inner barrel, then run SWiPS® in and latch into core barrel

STEP 2

Inflate SWiPS® by filling and pressurizing the drill string and conduct permeability test

STEP 3

Latch on to tool using a standard overshoot, deflate packers by pulling up slightly. Once deflated, retrieve SWiPS® to surface, replace inner barrel, and resume drilling.



ACCESSORIES:

- Non-rotating C-Plate and hauling sub for tool assembly over rods
- Flow meter assembly with pressure gauge and optional data logger
- Extension subs for 3m/10', 6m/20' and 12m/40' core barrels
- PQ 70 adaptation kit to enable HQ SWiPS® to be run in PQ size Core Barrel using 70mm Packer Elements
- Downhole memory gauge carriers

SWiPS® TECHNICAL SPECIFICATIONS:

Nominal Size	NQ [75.7mm]	HQ [96.0mm]	PQ70 [122.6mm]	PQ [122.6mm]
Center tube ID	13.9mm [0.55"]	18.9mm [0.74"]	18.9mm [0.74"]	32.5mm [1.3"]
Maximum working pressure	100 bar [1450 psi]	100 bar [1450 psi]	100 bar [1450 psi]	100 bar [1450 psi]
Packer element length	1000mm [39.4"]	1000mm [39.4"]	1000mm [39.4"]	1000mm [39.4"]
OD - deflated	42mm [1.65"]	60mm [2.36"]	70mm [2.76"]	80mm [3.15"]