

# QUALIFY OPERATORS & PIPE

McElroy quality assurance tools can be used at the beginning of the day or the onset of a project to validate the machine operator, fusion process and pipe materials. The In Field® Tensile Tester and Guided Side Bend Tester allow for quick, on-site analysis.



In Field® Tensile Tester

Guided Side Bend Tester



## ONSITE TENSILE TESTING

The In Field® Tensile Tester provides a quick and easy qualitative test of a fusion joint in the field — even from thick-walled pipe. Tensile testing of fusion joints took days or even weeks in the past, but results are immediate with the In Field Tensile Tester. A template is used so that a drill and reciprocating saw can produce a dual-reduced section coupon in minutes.

The coupon is inserted into the tensile test unit, which conducts a destructive test on the sample for a quick comparison of the integrity of the joint versus the parent pipe. The hand-pump system tests coupons from 2" OD and larger pipe sizes.



## TEST FUSION JOINTS MORE QUICKLY

Testing fusion joints in the past often required cutting a coupon from the pipe and sending it to a lab for analysis and waiting for the results to come back. With McElroy's In Field Tensile Tester and Guided Side Bend Tester, technicians can easily and quickly conduct a qualitative test of those same joints right on the jobsite.



## DUCTILITY TESTING IN THE FIELD

The Guided Side Bend Tester is a qualitative test that assures the ductility of a fusion joint on the job in a safe and quick manner. It meets the ASTM F3183 standard for guided side bend evaluations of polyethylene pipe fusion joints. The hydraulically-powered device puts three points of pressure on test coupons with up to 7" pipe walls. If no gaps or breaks are present in the fusion joint after the test, the result is a passing grade.

## FIND THE RIGHT TESTING TOOL FOR YOUR JOBSITE

	Guided Side Bend Tester	In Field® Tensile Tester	McSnapper®
Tensile with impact testing machine			●
Meets ASTM F2634 laboratory testing procedures			●
Provides accurate testing for fused joints	●	●	●
Qualitative testing of the ductility of a joint	●	●	
Field suitable	●	●	
Hydraulic hand-pump system	●	●	
Template accommodates 2" IPS and larger pipe		●	
Process takes minutes, not days or weeks	●	●	
Meets ASTM F3183 standard for side bend testing	●		
Maximum wall thickness	7"	5"	2.6"

## TENSILE IMPACT TESTING IN THE LAB

FUSION JOINT TESTING UP TO 2.6" WALL THICKNESS

The McSnapper® is designed to meet the requirements of ASTM F2634, the standard test method for laboratory testing of polyethylene (PE) butt fusion joints using tensile impact testing.

The McSnapper can be used in the development of new materials, quality assurance for existing materials or in fusion compatibility to determine lot uniformity, strength and fusibility of pipe and fittings.

Part number: **S00108**



## FEATURED REPLACEMENT PARTS & ACCESSORIES



**95% IN FIELD COUPON DRILL FIXTURE**  
In Field Tensile Tester coupon template for 2" OD and larger pipe.

Part number: **S04801**



**DRILL BIT FOR IN FIELD TENSILE TESTER**  
Specially-designed drill bit for coupon drill fixture.

Part number: **MJL00074**



### IN FIELD TENSILE TESTER

FIELD TESTER FOR 2" IPS & LARGER PIPE

MODELS	AS03501
WEIGHT	
<b>Machine</b>	105 lbs (48 Kg)
<b>Coupon Drill Fixture</b>	18 lbs (8 Kg)
DIMENSIONS	
<b>Length</b>	24" (610mm)
<b>Width</b>	15" (381mm)
<b>Height</b>	22" (559mm)
INCLUDES	
Hand-pump testing unit, 95% coupon template and 1/2" shank drill bit. Drill driver and reciprocating saw sold separately	



### GUIDED SIDE BEND TESTER

DUCTILITY TESTING FOR 1" - 7" PIPE WALLS

MODELS	S05501
WEIGHT	
<b>Machine</b>	31 lbs (14.1 Kg)
CAPACITY	
<b>Maximum Test Coupon Thickness</b>	1/2"
<b>Mandrel Diameter</b>	1"
DIMENSIONS	
<b>Length</b>	6" (152.4mm)
<b>Width</b>	10.04" (255mm)
<b>Height</b>	14.59" (370.6mm)
INCLUDES	
Testing unit and hydraulic hand-pump. Planer, reciprocating saw and calipers sold separately	

# TEST CAPS

AIR PRESSURE TESTING FOR 1/2" CTS - 2" IPS

McElroy Test Caps are designed for quick and easy air pressure testing of polyethylene pipe. All of our test caps are reusable, provide a positive o-ring seal and have been pressure rated to 165 PSI to meet U.S. Code of Federal Regulation 49 CFR192.513. Test pressure actually improves the cap's grip on the pipe. One test cap is required per pipe size. They are made of corrosion-resistant material and are durable in construction. McElroy Test Caps also include a safety lanyard for added operator protection.

## FEATURES

- Quick and easy air pressure testing of polyethylene pipe ●
- Easily installed and removed for repeated use ●
- Test caps meet 49 CFR 192.513 ●
- Tests pipe sizes from 1/2" CTS to 2" IPS ●
- Safety lanyard for added operator protection ●



PIPE SIZE	PART NUMBER
1/2" CTS	<b>TP-301</b>
1/2" IPS	<b>TP-302</b>
3/4" CTS	<b>TP-303</b>
3/4" IPS	<b>TP-304</b>
1" CTS	<b>TP-305</b>

PIPE SIZE	PART NUMBER
1" IPS	<b>TP-306</b>
1 1/4" CTS	<b>TP-307</b>
1 1/4" IPS	<b>TP-308</b>
1 1/2" IPS	<b>TP-309</b>
2" IPS	<b>TP-310</b>

Includes: Test cap and lanyard assembly.  
1/4" MPT adapter fitting and pressure gauge sold separately

