



# Angle Worm<sup>®</sup> BLEEDER CLEANER

THE INDUSTRIES' SAFEST AND QUICKEST METHOD TO CLEAR CLOGGED  
BLEEDER VALVES, DRAIN VALVES, AND PRESSURE TAPS

## STRAIGHT ROD TOOLS - For Use with Straight Easy Access

Model	Length of Line Cleared	Tip-to-Tip Fully Retracted Tool Length	Cutter Diameter	Replaceable Cutter in Field	Gauge	MNPT Valve Size
2550	7"	19"	9/32"	Yes	600 psig	1/4"
2550-L	12"	24"	9/32"	Yes	600 psig	1/4"
2550-L-18	18"	30"	9/32"	Yes	600 psig	1/4"
2550-L-24	24"	36"	9/32"	Yes	600 psig	1/4"
2550-L-36	36"	48"	9/32"	Yes	600 psig	1/4"
2550-L-48	48"	60"	9/32"	Yes	600 psig	1/4"
2550-L-60	60"	72"	9/32"	Yes	600 psig	1/4"
2550-L-72	72"	84"	9/32"	Yes	600 psig	1/4"
3450	7"	20"	3/8"	Yes	600 psig	1/2"
3450-L	12"	24"	3/8"	Yes	600 psig	1/2"
3450-L-18	18"	30"	3/8"	Yes	600 psig	1/2"
3450-L-24	24"	36"	3/8"	Yes	600 psig	1/2"
3450-L-36	36"	48"	3/8"	Yes	600 psig	1/2"
3450-L-48	48"	60"	3/8"	Yes	600 psig	1/2"
3450-L-60	60"	72"	3/8"	Yes	600 psig	1/2"
3450-L-72	72"	84"	3/8"	Yes	600 psig	1/2"

## 60° CABLED TOOLS - For Use in Areas With Low Ground Clearance (Min 6" Clearance Required)

Model	Length of Line Cleared	Tip-to-Tip Fully Retracted Tool Length	Cutter Diameter	Replaceable Cutter in Field	Gauge	MNPT Valve Size
2525	7"	23"	9/32"	Yes	600 psig	1/4"
2525-L	12"	36"	9/32"	Yes	600 psig	1/4"
2525-L-18	18"	45"	9/32"	Yes	600 psig	1/4"
2525-L-24	24"	57"	9/32"	Yes	600 psig	1/4"
3425	7"	23"	3/8"	Yes	600 psig	1/2"
3425-L	12"	36"	3/8"	Yes	600 psig	1/2"
3425-L-18	18"	45"	3/8"	Yes	600 psig	1/2"
3425-L-24	24"	57"	3/8"	Yes	600 psig	1/2"

## 90° CABLED TOOLS - For Use in Areas With Low Ground Clearance (Min 8" Clearance Required)

Model	Length of Line Cleared	Tip-to-Tip Fully Retracted Tool Length	Cutter Diameter	Replaceable Cutter in Field	Gauge	MNPT Valve Size
2500	7"	23"	9/32"	Yes	600 psig	1/4"
2500-L	12"	36"	9/32"	Yes	600 psig	1/4"
2500-L-18	18"	45"	9/32"	Yes	600 psig	1/4"
2500-L-24	24"	57"	9/32"	Yes	600 psig	1/4"
3400	7"	23"	3/8"	Yes	600 psig	1/2"
3400-L	12"	36"	3/8"	Yes	600 psig	1/2"
3400-L-18	18"	45"	3/8"	Yes	600 psig	1/2"
3400-L-24	24"	57"	3/8"	Yes	600 psig	1/2"

**HEAVY DUTY STRAIGHT ROD TOOLS - For Use in Heavy Duty Applications with Straight, Easy Access and Temperatures up to 850°F**

Model	Length of Line Cleared	Tip-to-Tip Fully Retracted Tool Length	Cutter Diameter	Temp Max Type 1/Type 2	Heavy Duty Larger Shaft	MNPT Valve Size
4550-L-12	12"	28"	5/8"	850°F/500°F	1/2"	1"
4550-L-24	24"	40"	5/8"	850°F/500°F	1/2"	1"
4550-L-36	36"	52"	5/8"	850°F/500°F	1/2"	1"
4550-L-48	48"	64"	5/8"	850°F/500°F	1/2"	1"
4550-L-60	60"	76"	5/8"	850°F/500°F	1/2"	1"
4550-L-72	72"	88"	5/8"	850°F/500°F	1/2"	1"
4550-L-84	84"	100"	5/8"	850°F/500°F	1/2"	1"

**OPTIONS**

**CUSTOM CONFIGURATIONS AVAILABLE ON ALL ANGLEWORM BLEEDER CLEANERS**

**BUSHINGS AVAILABLE IN VARIOUS SIZES TO SAFELY INCREASE THE CONNECTION SIZE**

**GLAND PACKING TYPE**

**Type 1**

- Graphite
- Standard on all tools
- Used for most services to 700° F and pH range 2-13
- 2500/2525/2550 and 3400/3425/3450 Series Tools Max Temp: 700° F
- 4550 Series Tools Max Temp: 850° F

**Type 2**

- Teflon
- Available in place of Type 1 upon request at no additional charge
- Used for most caustic and acid services to 500° F and pH range 0-14
- 2500/2525/2550 and 3400/3425/3450 Series Tools Max Temp: 500° F
- 4550 Series Tools Max Temp: 500° F