

BJV

Rotary Cleaning for Straight Pipes



The BJV is our most versatile line of pipe cleaning tools, designed for the widest range of pipe diameters, pressures, flows, and configurations. A variety of head choices allow for pulling ring connections, customized porting and multiple jetting options. Different viscous fluid options allow operators the ability to change the speed of rotation for hard or easy applications. This tool has a wide range of centralizers, backout preventors, and automated delivery systems. BJV tools can also be very productive tank and stack cleaners.

COMPETITIVE ADVANTAGES

- Tremendous versatility with one tool design — clean everything from 6-inch (152 mm) pipes to 15-foot (4.5 m) tanks with simple modifications
- Interchangeable heads allow the operator to use the tool on any of their varying pump types
- Many head options to allow for flush mounted nozzles, extension arms, plugs, and pulling rings
- Simple nozzle changes allow you to match all cleaning applications
- Easy to pair with automated hose feed devices

FEATURES	BENEFITS
<ul style="list-style-type: none"> • Self-rotary, speed controlled 	<ul style="list-style-type: none"> • Rotary tools provide complete internal coverage, while speed control provides optimum jet delivery • Much lighter than using magnetic speed control, no wasted energy, no need for compressed air
<ul style="list-style-type: none"> • Multiple jetting configurations 	<ul style="list-style-type: none"> • Same tool can be re-jetted to match a wide variety of cleaning applications — great for when you need more pulling force or forward hitting power
<ul style="list-style-type: none"> • 7-port head option available 	<ul style="list-style-type: none"> • Additional front-facing jet clears completely plugged pipes
<ul style="list-style-type: none"> • Fast or Slow speed options 	<ul style="list-style-type: none"> • Maximize cleaning by choosing slower speeds for hard to clean or plugged pipes, and faster speeds for polishing easy to clean pipes with a single tool

BJV TOOL OVERVIEW

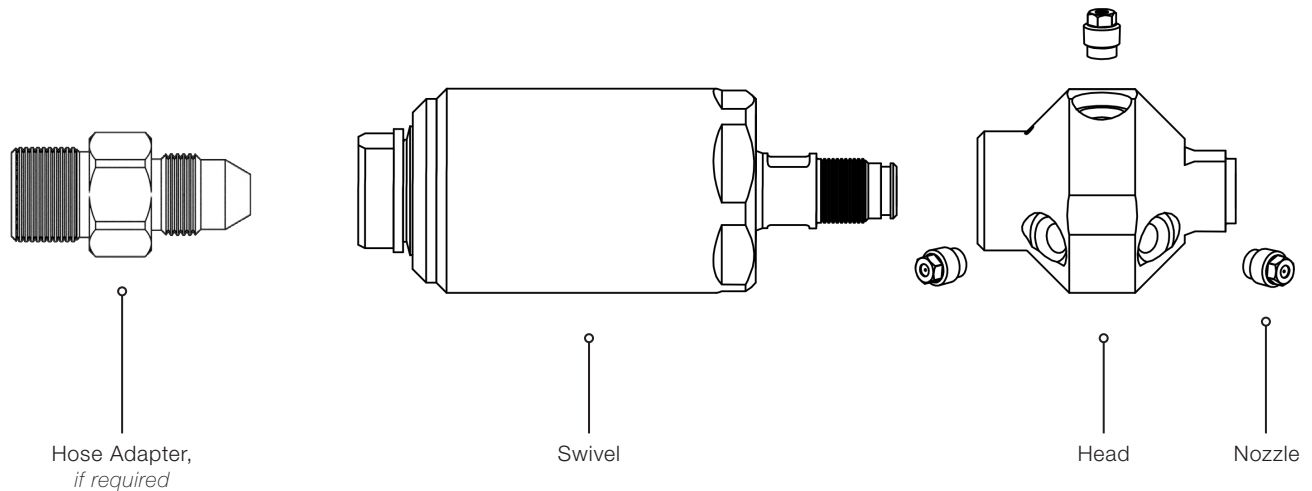
QUESTIONS TO ASK THE CUSTOMER

- What size and length of hose are you using?
- Do you need an adapter?
- Do you need a backout preventer?
You should always use a backout preventer with high pressure pipe cleaning tools.
- Do you need a centralizer or stinger?
- Are extensions required? See *Nozzles and Extensions* for availability.

TOOL SPECIFICATIONS

PART ID	BJV-P16	BJV-P12	BJV-M24	BJV-MP12	BJV-H9
Pressure Range	2–10k psi 140–700 bar	2–15k psi 140–1000 bar	2–22k psi 140–1500 bar	2–22k psi 140–1500 bar	20–40k psi 1400–2800 bar
Flow Range	20–200 gpm 76–757 l/min	12–100 gpm 45–380 l/min	12–100 gpm 45–380 l/min	10–60 gpm 38–114 l/min	3.4–20 gpm 13–76 l/min
Flow Coefficient	7.5 Cv	4.6 Cv	4.6 Cv	2.3 Cv	0.67 Cv
Rotation Speed	10–80 rpm (Slow Fluid) 50–200 rpm (Fast Fluid)	5–80 rpm (Slow Fluid) 40–200 rpm (Fast Fluid)	5–80 rpm (Slow Fluid) 40–200 rpm (Fast Fluid)	15–50 rpm (Slow Fluid) 70–300 rpm (Fast Fluid)	20–60 rpm (Slow Fluid) 90–250 rpm (Fast Fluid)
Inlet Connection	1 NPT	3/4 NPT	M24	3/4 MP	9/16 HP
Port Size	N/A	1/4 NPT (P4)	1/4 NPT (P4)	1/4 NPT (P4)	3/8-24 UNF (S6)
Extension Port Size	1/2 NPT (P8), 3/4 NPT (P12)	1/2 NPT (P8), 3/4 NPT (P12)	G12	G12	G9
Nozzle Type	AP4, APF4, OC8-P8, OC8-P12	AP4, APF4, OC8-P8, OC8-P12	AP4, APF4	AP4, APF4	OS6
Port Plug	N/A	GP 025-P4SS	GP 025-P4SS	GP 025-P4SS	OS6 002
Extension Port Plug	GP 025-P8, GP 025-P12	GP 025-P8, GP 025-P12	SA 058-G12	SA 058-G12	SA 058-G9
Swivel Diameter	3 in. 76 mm	3 in. 76 mm	3 in. 76 mm	3 in. 76 mm	3 in. 76 mm
Swivel Length	7.3 in. 180 mm	7.3 in. 180 mm	7.3 in. 180 mm	8.4 in. 210 mm	8.4 in. 210 mm
Swivel Weight	9.2 lb 4.2 kg	8.6 lb 3.9 kg	9.0 lb 4.1 kg	9.4 lb 4.3 kg	9.8 lb 4.4 kg
Maximum Water Temperature	160 °F 70 °C	160 °F 70 °C	160 °F 70 °C	160 °F 70 °C	160 °F 70 °C
STANDARD HEADS					
Standard Head	BJ 041-P8-RX	BJ 044-P4-RX	BJ 144-P4-RX	BJ 144-P4-RX	BJ 444-S6-RX
Diameter	3.5 in. 89 mm	3.0 in. 76 mm	3.0 in. 76 mm	3.0 in. 76 mm	3.0 in. 76 mm
Nozzles	6 x OC8	6 or 7 x AP4	6 or 7 x AP4	6 or 7 x AP4	6, 7 or 8 x OS6
Head Weight	4.8 lb 2.2 kg	3.3 lb 1.5 kg	3.3 lb 1.5 kg	3.3 lb 1.5 kg	3.3 lb 1.5 kg
EXTENSION HEADS					
Extension Head	BJ 041-P12-RX	BJ 041-P8-RX	BJ 145-G12-RX	BJ 145-G12-RX	BJ 441-G9-RX
Diameter	3.5 in. 89 mm	3.5 in. 89 mm	3.5 in. 89 mm	3.5 in. 89 mm	3.5 in. 89 mm
Nozzles	6 x 3/4 NPT	6 x 1/2 NPT	6 x G12	6 x G12	6 x G9
Head Weight	4.6 lb 2.1 kg	4.8 lb 2.2 kg	4.5 lb 2.0 kg	5.2 lb 2.4 kg	5.8 lb 2.6 kg

BJV TOOL CONFIGURATION



A complete BJV tool configuration requires the following components:

1. Swivel for required working pressure and appropriate inlet connection
2. Head for the required pressure, flow and application
3. Nozzles/plugs of the appropriate number and size

The following items may also be required:

- Suitable hose adapter
- Centralizer, extension nipples, pulling ring
- Backout preventer

To configure a BJV tool, the following information should be obtained:

- Pump pressure and flow
- Hose length and ID
- Hose end fitting

Visit our website for tool resources including operation and maintenance videos:

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BJV TOOL CONFIGURATION

ORDERING A STANDARD PACKAGE

StoneAge offers standardized BJV tool packages for the most commonly used configurations. All BJV packages come fully assembled and include 1. Swivel, 2. Head, and 3. Nozzles specified to jetting.

PLEASE NOTE: Hose adapters are not included in these packages. If an adapter is required for your configuration, it must be ordered separately. See Fittings and Adapters for options.

The following table shows the configurations of standard BJV tool packages:

MAXIMUM PRESSURE	INLET CONNECTION	HEAD	PACKAGE CONTENTS	PACKAGE PART ID
15k psi 1000 bar	3/4 NPT Female	6 x P4 ports	1 x BJV swivel 1 x 6-port head 6 x AP4 or APF4 nozzles/plugs	BJV-P12-P4-6-PKG
		7 x P4 ports	1 x BJV swivel 1 x 7-port head 7 x AP4 or APF4 nozzles/plugs	BJV-P12-P4-7-PKG
22k psi 1500 bar	M24 Female	6 x P4 ports	1 x BJV swivel 1 x 6-port head 6 x AP4 or APF4 nozzles/plugs	BJV-M24-P4-6-PKG
		7 x P4 ports	1 x BJV swivel 1 x 7-port head 7 x AP4 or APF4 nozzles/plugs	BJV-M24-P4-7-PKG
	3/4 MP Female	6 x P4 ports	1 x BJV swivel 1 x 6-port head 6 x AP4 or APF4 nozzles/plugs	BJV-MP12-P4-6-PKG
		7 x P4 ports	1 x BJV swivel 1 x 7-port head 7 x AP4 or APF4 nozzles/plugs	BJV-MP12-P4-7-PKG
40k psi 2800 bar	9/16 HP Female	6 or 8 x S6 ports	1 x BJV swivel 1 x 6-port or 8-port head 6 or 8 x OS6 nozzles/plugs	BJV-H9-S6-PKG

When ordering a standard BJV package, you should specify:

1. Package Part ID
2. Fast or Slow rotation speed
3. Pump pressure and flow
4. Jetting configuration with nozzle type (AP4 or flush mounted APF4) or plugs
5. Hose length and ID
6. Hose adapter, if required

FOR EXAMPLE:

BJV for 1000 Bar 62 l/min, 6-port head, fast rotation with 31 m of 1/2 in. ID hose attached to M24 Female end

QTY	PART ID	DESCRIPTION
1	BJV-M24-P4-6-PKG	1000 Bar 62 l/min fast rotation 31 m 1/2 ID hose
1	GP 255-M240M24C	Adapter to M24 hose end

ORDERING BY LINE ITEM

Complete tools can be configured by following the steps outlined below.
Contact your StoneAge Account Representative for questions about specific applications.

STEP 1 SWIVEL SELECTION

There are ten BJV swivel options available. The correct swivel is selected based on the maximum working pressure, inlet connection and required rotation speed.

MAXIMUM PRESSURE	INLET CONNECTION	SWIVEL PART ID BASED ON ROTATION SPEED	
		FAST	SLOW
10k psi 700 bar	1 NPT Female	BJV-P16-F 50–200 rpm	BJV-P16-S 10–80 rpm
15k psi 1000 bar	3/4 NPT Female	BJV-P12-F 40–200 rpm	BJV-P12-S 5–80 rpm
22k psi 1500 bar	M24 Female	BJV-M24-F 40–200 rpm	BJV-M24-S 5–80 rpm
	3/4 MP Female	BJV-MP12-F 70–300 rpm	BJV-MP12-S 15–50 rpm
40k psi 2800 bar	9/16 HP Female	BJV-H9-F 90–250 rpm	BJV-H9-S 20–60 rpm

STEP 2 HOSE/LANCE CONNECTION

A hose adapter may be required depending on the inlet connection of your swivel.
See *Fittings and Adapters* for available options.

BJV TOOL CONFIGURATION

STEP 3 HEAD SELECTION

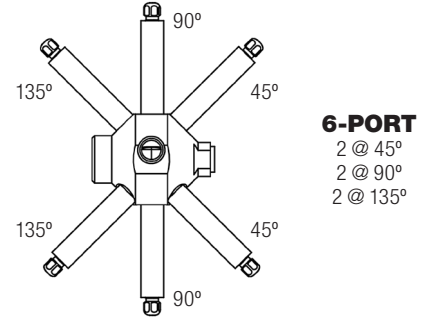
There are several different heads for each BJV swivel. We will break the head selection down by swivel type:

Head Options for Swivel Type: BJV-P16-S, BJV-P16-F

There is only one standard head port configuration for BJV-P16-S and BJV-P16-F swivels. The correct head specification is based on the pressure and flow of the pump and the required port size.

All head options require extension nipples. See *Nozzles and Extensions* for extension nipple options.

The following table lists head selection approximations of common jetting scenarios for BJV-P16-S and BJV-P16-F swivels:



SWIVEL	PRESSURE	FLOW	HEAD TYPE	
			6 x P12 PORTS 3.5" Ø	6 x P8 PORTS 3.5" Ø
BJV-P16-S, BJV-P16-F	5k psi 350 bar	20–30 gpm 76–114 l/min	N/A	BJ 041-P8-6-R60
		30–50 gpm 76–189 l/min	N/A	BJ 041-P8-6-R35
		50–90 gpm 189–341 l/min	N/A	BJ 041-P8-6-R20
		90–160 gpm 341–606 l/min	BJ 041-P12-6-R12	BJ 041-P8-6-R12
		160–210 gpm 606–795 l/min	BJ 041-P12-6-R09	BJ 041-P8-6-R09
	10k psi 700 bar	50–85 gpm 190–320 l/min	N/A	BJ 041-P8-6-R20
		85–120 gpm 320–450 l/min	BJ 041-P12-6-R12	BJ 041-P8-6-R12
		150–200 gpm 570–760 l/min	BJ 041-P12-6-R09	N/A

PLEASE NOTE: Pressures and flows in the above table are only approximations of common jetting scenarios.

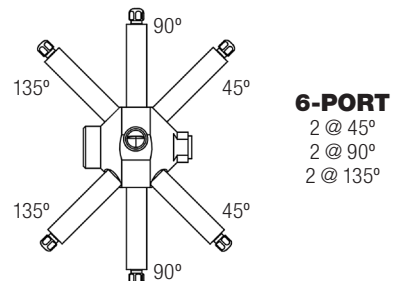
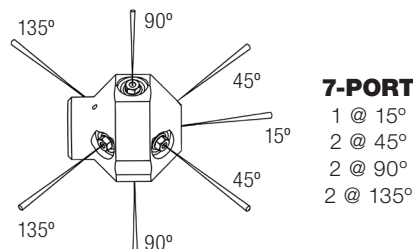
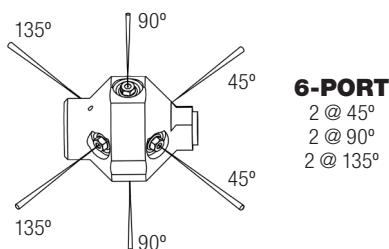
For most accurate head selection, use the StoneAge Jetting App:

JETTING.STONEAGETOOLS.COM

Head Options for Swivel Types: BJV-P12-F, BJV-P12-S, BJV-M24-F, BJV-M24-S, BJV-MP12-F, BJV-MP12-S

There are two standard head configurations for the above swivels, with custom heads available on request. The correct head specification is based on the pressure and flow of the pump and the required port size.

Heads with P8 or G12 ports require extension nipples. See *Nozzles and Extensions* for extension nipple options.



The following table lists head selection approximations of common jetting scenarios for BJV-P12-F, BJV-P12-S, BJV-M24-F, BJV-M24-S, BJV-MP12-F, and BJV-MP12-S swivels:

SWIVEL	PRESSURE	FLOW	HEAD TYPE		
			6 x P4 PORTS 3" Ø	7 x P4 PORTS 3" Ø	6 x P8 PORTS 3.5" Ø
BJV-P12-F, BJV-P12-S	10k psi 700 bar	13–25 gpm 49–95 l/min	BJ 044-P4-6-R60	BJ 044-P4-7-R60	BJ 041-P8-6-R60
		22–39 gpm 83–150 l/min	BJ 044-P4-6-R35	BJ 044-P4-7-R35	BJ 041-P8-6-R35
		40–67 gpm 150–250 l/min	BJ 044-P4-6-R20	BJ 044-P4-7-R20	BJ 041-P8-6-R20
		65–100 gpm 250–380 l/min	BJ 044-P4-6-R12	BJ 044-P4-7-R12	BJ 041-P8-6-R12
	15k psi 1000 bar	12–21 gpm 45–79 l/min	BJ 044-P4-6-R60	BJ 044-P4-7-R60	BJ 041-P8-6-R60
		22–39 gpm 83–150 l/min	BJ 044-P4-6-R35	BJ 044-P4-7-R35	BJ 041-P8-6-R35
		40–64 gpm 150–240 l/min	BJ 044-P4-6-R20	BJ 044-P4-7-R20	BJ 041-P8-6-R20
		65–100 gpm 50–380 l/min	BJ 044-P4-6-R12	BJ 044-P4-7-R12	BJ 041-P8-6-R12
SWIVEL	PRESSURE	FLOW	6 x P4 PORTS 3" Ø	7 x P4 PORTS 3" Ø	6 x G12 PORTS 3.5" Ø
BJV-M24-F, BJV-M24-S	15k psi 1000 bar	12–21 gpm 45–79 l/min	BJ 144-P4-6-R60	BJ 144-P4-7-R6	BJ 145-G12-R60
		22–39 gpm 83–150 l/min	BJ 144-P4-6-R35	BJ 144-P4-7-R35	BJ 145-G12-R35
		40–64 gpm 150–240 l/min	BJ 144-P4-6-R20	BJ 144-P4-7-R20	BJ 145-G12-R20
		65–100 gpm 250–380 l/min	BJ 144-P4-6-R12	BJ 144-P4-7-R12	BJ 145-G12-R12
	22k psi 1500 bar	12–20 gpm 45–76 l/min	BJ 144-P4-6-R60	BJ 144-P4-7-R6	BJ 145-G12-R60
		21–34 gpm 79–129 l/min	BJ 144-P4-6-R35	BJ 144-P4-7-R35	BJ 145-G12-R35
		35–58 gpm 130–220 l/min	BJ 144-P4-6-R20	BJ 144-P4-7-R20	BJ 145-G12-R20
		59–100 gpm 220–380 l/min	BJ 144-P4-6-R12	BJ 144-P4-7-R12	BJ 145-G12-R12
SWIVEL	PRESSURE	FLOW	6 x P4 PORTS 3" Ø	7 x P4 PORTS 3" Ø	6 x G12 PORTS 3.5" Ø
BJV-MP12-F, BJV-MP12-S	15k psi 1000 bar	12–20 gpm 45–76 l/min	BJ 144-P4-6-R60	BJ 144-P4-7-R6	BJ 145-G12-R60
		21–34 gpm 79–129 l/min	BJ 144-P4-6-R35	BJ 144-P4-7-R35	BJ 145-G12-R35
		35–58 gpm 130–220 l/min	BJ 144-P4-6-R20	BJ 144-P4-7-R20	BJ 145-G12-R20
		59–100 gpm 220–380 l/min	BJ 144-P4-6-R12	BJ 144-P4-7-R12	BJ 145-G12-R12
	22k psi 1500 bar	10–15 gpm 38–57 l/min	BJ 144-P4-6-R60	BJ 144-P4-7-R6	BJ 145-G12-R60
		15–24 gpm 57–91 l/min	BJ 144-P4-6-R35	BJ 144-P4-7-R35	BJ 145-G12-R35
		24–40 gpm 91–150 l/min	BJ 144-P4-6-R20	BJ 144-P4-7-R20	BJ 145-G12-R20
		40–60 gpm 150–230 l/min	BJ 144-P4-6-R20	BJ 144-P4-7-R20	BJ 145-G12-R20

PLEASE NOTE: Pressures and flows in the above table are only approximations of common jetting scenarios.

For most accurate head selection, use the StoneAge Jetting App:

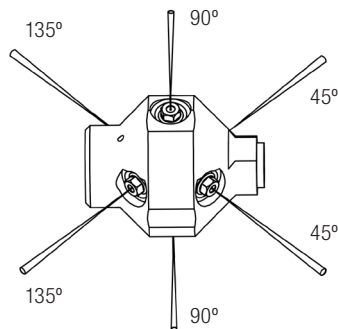
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BJV TOOL CONFIGURATION

Swivel Type: BJV-H9-F, BJV-H9-S

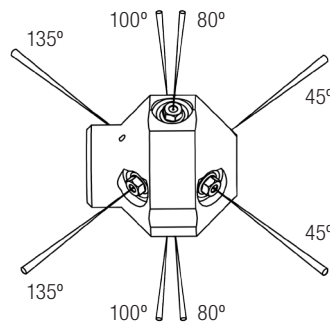
There are three standard head configurations for the above swivels. The correct head specification is based on the pressure and flow of the pump and the required port size.

Heads with G9 ports require extension nipples. See *Nozzles and Extensions* for extension nipple options.



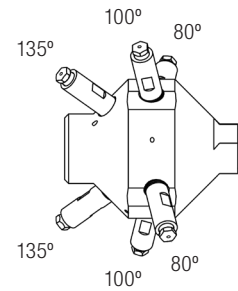
6-PORT

2 @ 45°
2 @ 90°
2 @ 135°



8-PORT

2 @ 45°
2 @ 80°
2 @ 100°
2 @ 135°



6-PORT

2 @ 80°
2 @ 100°
2 @ 135°

SWIVEL	PRESSURE	FLOW	HEAD TYPE		
			6 x S6 PORTS 3" Ø	8 x S6 PORTS 3" Ø	6 x G9 PORTS 3.5" Ø
BJV-H9-F, BJV-H9-S	30k psi 2100 bar	3.9–6.7 gpm 15–25 l/min	BJ 444-S6-R70	N/A	BJ 441-G9-R70
		6.7–12 gpm 25–45 l/min	N/A	BJ 444-S6-R40	BJ 441-G9-R40
		11–20 gpm 41–76 l/min	N/A	BJ 444-S6-R25	BJ 441-G9-R25
	35k psi 2400 bar	3.6–6.2 gpm 14–24 l/min	BJ 444-S6-R70	N/A	BJ 441-G9-R70
		6.4–11 gpm 24–42 l/min	N/A	BJ 444-S6-R40	BJ 441-G9-R40
		10–18 gpm 38–68 l/min	N/A	BJ 444-S6-R25	BJ 441-G9-R25
	40k psi 2800 bar	3.4–5.8 gpm 13–22 l/min	BJ 444-S6-R70	N/A	BJ 441-G9-R70
		5.8–10 gpm 22–39 l/min	N/A	BJ 444-S6-R40	BJ 441-G9-R40
		9.3–17 gpm 35–65 l/min	N/A	BJ 444-S6-R25	BJ 441-G9-R25

PLEASE NOTE: **Heads with G9 ports require extension nipples.** See *Nozzles and Extensions* for information about extension nipples.

Pressures and flows in the above table are only approximations of common jetting scenarios.

For most accurate head selection, use the StoneAge Jetting App:

JETTING.STONEAGETOOLS.COM

STEP 4 NOZZLES AND PLUGS

BJV tool heads can be jetted in different configurations depending on the application. Here are the most commonly used nozzle/plug configurations:

HEAD TYPE	45° PORTS		90° PORTS		135° PORTS			
6-Port	2 x Nozzle		2 x Nozzle		2 x Nozzle			
	2 x Plug		2 x Nozzle		2 x Nozzle			
	2 x Plug		2 x Nozzle		2 x Plug			
	2 x Plug		2 x Plug		2 x Nozzle			
HEAD TYPE	80° PORTS		100° PORTS		135° PORTS			
6-Port	2 x Extension		2 x Extension		2 x Extension			
	2 x Plug		2 x Extension		2 x Extension			
	2 x Extension		2 x Extension		2 x Plug*			
	2 x Plug		2 x Extension		2 x Plug*			
HEAD TYPE	45° PORTS		80° PORT		100° PORT		135° PORTS	
8-Port	2 x Nozzle		2 x Nozzle		2 x Nozzle		2 x Nozzle	
	2 x Plug		2 x Nozzle		2 x Nozzle		2 x Nozzle	
	2 x Plug		2 x Plug		2 x Nozzle		2 x Nozzle	
	2 x Plug		2 x Nozzle		2 x Nozzle		2 x Plug	

*When used with pull ring or rigid lance

Once you have confirmed the jetting configuration, use the StoneAge Jetting App to determine nozzle sizes:
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BJV TOOL CONFIGURATION

STEP 5 CENTRALIZER OPTIONS

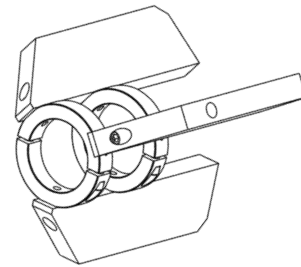
A centralizer helps to protect the tool as it passes through the pipe and balances jet standoff distance for more consistent cleaning. In cases where pipe size is more than 1.5 times the diameter of the tool, a centralizer is an important safety device, preventing the tool from turning around and thrusting backwards out of the pipe.

CENTRALIZER WITH SKIDS AND COLLARS

PIPE SIZE	CENTRALIZER (COMPLETE)	WEIGHT	COLLAR*	SKID**
6 in. 152 mm	BJ 070-6	3.8 lb 1.7 kg	BJ 070.2	BJ 070.1-6
8 in. 203 mm	BJ 070-8	4.8 lb 2.2 kg	BJ 070.2	BJ 070.1-8
10 in. 254 mm	BJ 070-10	6.2 lb 2.8 kg	BJ 070.2	BJ 070.1-10
12 in. 305 mm	BJ 070-12	8.0 lb 3.6 kg	BJ 070.2	BJ 070.1-12

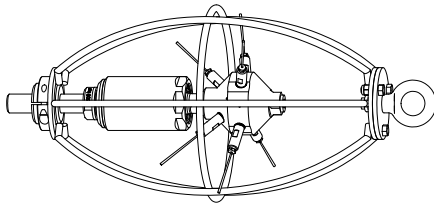
*Set of 2 collars

**Set of 3 skids with 6 screws

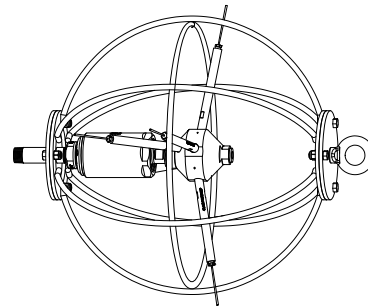


CAGE CENTRALIZERS

We offer two types of cage-style centralizers for BJV tools.



BJ 408-MP12/H9
BJ 408-P12/M24



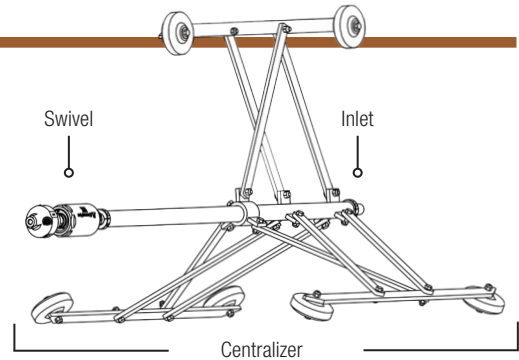
BJ 100-SS
BJ 100-SS-MP

PART ID	BJ 408-MP12/H9		BJ 408-P12/M24*		BJ 100-SS	BJ 100-SS-MP
BJV Swivel	BJV-MP12-F BJV-MP12-S	BJV-H9-F BJV-H9-S	BJV-P12-F BJV-P12-S	BJV-M24-F BJV-M24-S	BJV-P12-F BJV-P12-S	BJV-P16-F BJV-P16-S BJV-MP12-F BJV-MP12-S BJV-M24-F BJV-M24-S BJV-H9-F BJV-H9-S
Maximum Extension	3 in. 76 mm	3 in. 76 mm	3 in. 76 mm	3 in. 76 mm	6 in. 152 mm	6 in. 152 mm
Required Inlet Extension*	N/A	N/A	SA 366-P12P12-6 (3/4 NPT Male)	SA 368-M24M24-6 (M24 Male)	N/A	N/A
Diameter	12 in. 300 mm	12 in. 300 mm	12 in. 300 mm	12 in. 300 mm	20 in. 510 mm	20 in. 510 mm
Length	20 in. 510 mm	20 in. 510 mm	20 in. 510 mm	20 in. 510 mm	24 in. 610 mm	24 in. 610 mm
Weight	10 lb 4.5 kg	10 lb 4.5 kg	10 lb 4.5 kg	10 lb 4.5 kg	11 lb 5.0 kg	11 lb 5.0 kg

*Requires specified extension nipple on the inlet

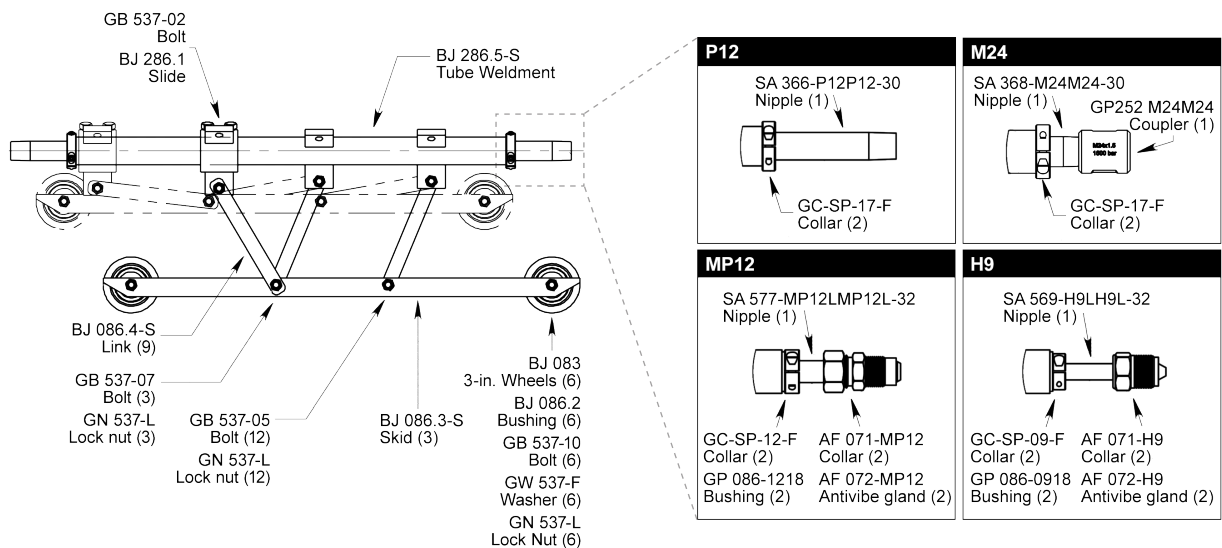
6-WHEEL CENTRALIZER

6-wheel BJV centralizers utilize a scissor style aluminium frame for diameter adjustment. These centralizers come in three sizes — Small, Medium, and Large — and are suitable for straight pipes as large as 5 feet (1.5 m). Larger custom sizes are available.



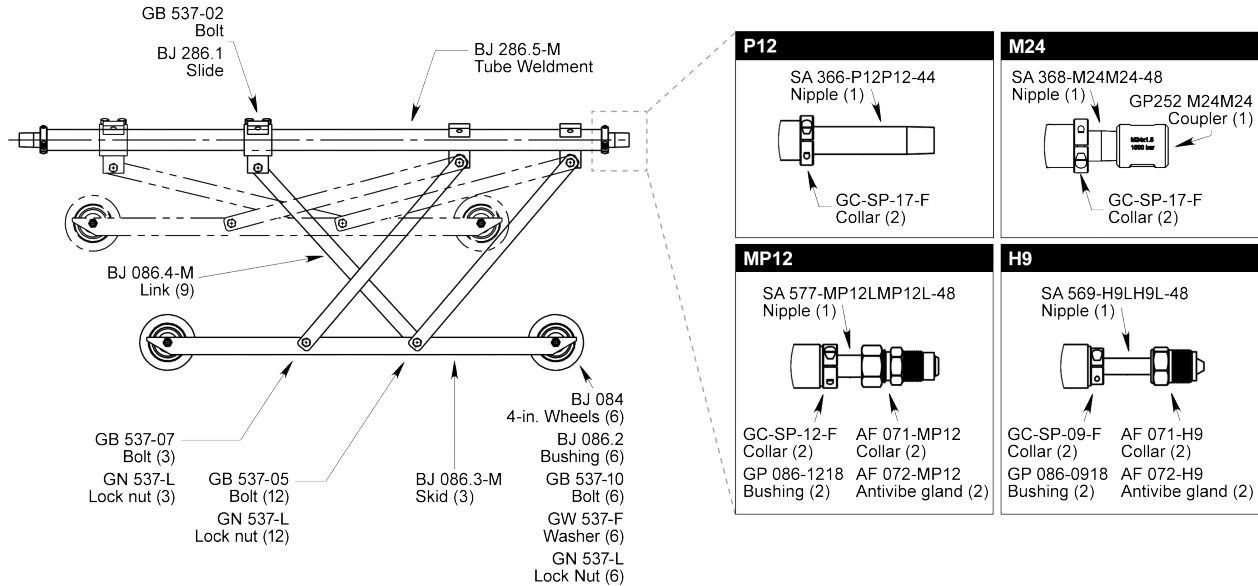
SWIVEL	THREAD SIZE	Ø RANGE	CENTRALIZER	WEIGHT
BJV-P12-F, BJV-P12-S	3/4 NPT Male x 3/4 NPT Male	9–18 in. 230–460 mm	BJ 286-S-P12	22 lb 10 kg
		13–40 in. 330–1000 mm	BJ 286-M-P12	34 lb 15 kg
		16–60 in. 410–1500 mm	BJ 286-L-P12	45 lb 20 kg
BJV-M24-F, BJV-M24-S	M24 Male x M24 Female	9–18 in. 230–460 mm	BJ 286-S-M24	22 lb 10 kg
		13–40 in. 330–1000 mm	BJ 286-M-M24	34 lb 15 kg
		16–60 in. 410–1500 mm	BJ 286-L-M24	45 lb 20 kg
BJV-MP12-F, BJV-MP12-S	3/4 MP Male x 3/4 MP Male	9–18 in. 230–460 mm	BJ 286-S-MP12	20 lb 9 kg
		13–40 in. 330–1000 mm	BJ 286-M-MP12	32 lb 15 kg
		16–60 in. 410–1500 mm	BJ 286-L-MP12	40 lb 18 kg
BJV-H9-F, BJV-H9-S	9/16 HP Male x 9/16 HP Male	9–18 in. 230–460 mm	BJ 286-S-H9	19 lb 9 kg
		13–40 in. 330–1000 mm	BJ 286-M-H9	30 lb 14 kg
		16–60 in. 410–1500 mm	BJ 286-L-H9	40 lb 18 kg

SMALL 6-WHEEL CENTRALIZER (BJ 286-S) COMPONENT PARTS

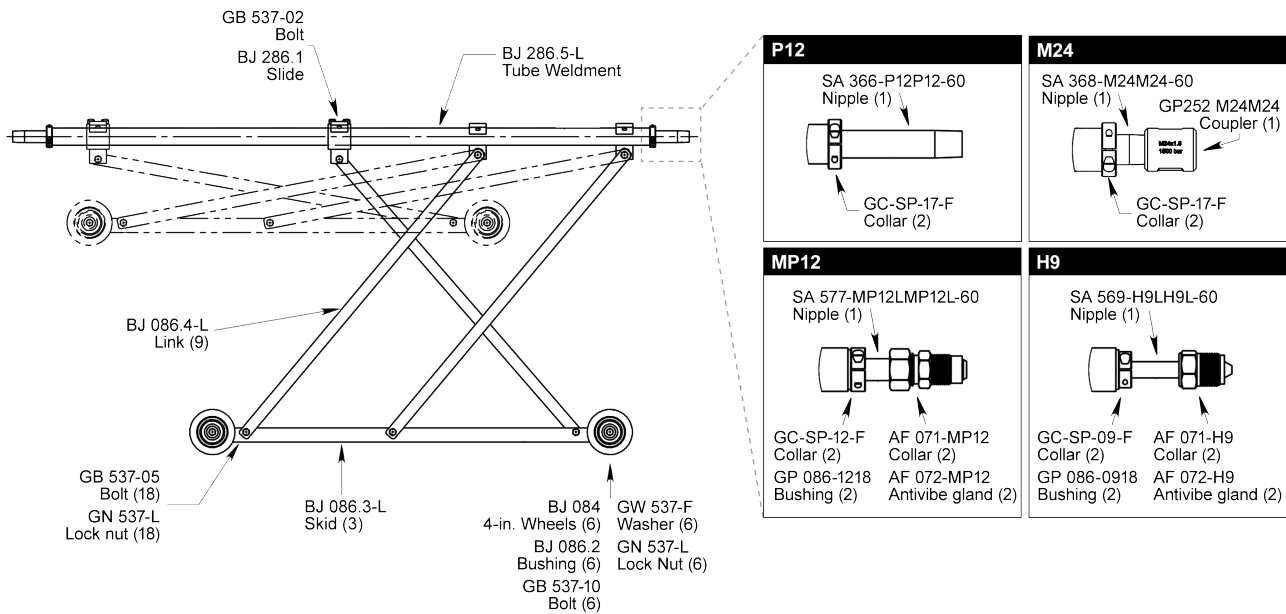


BJV TOOL CONFIGURATION

MEDIUM 6-WHEEL CENTRALIZER (BJ 286-M) COMPONENT PARTS

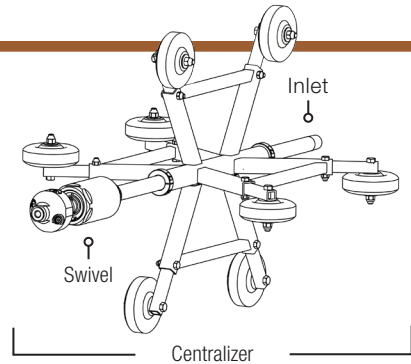


LARGE 6-WHEEL CENTRALIZER (BJ 286-L) COMPONENT PARTS



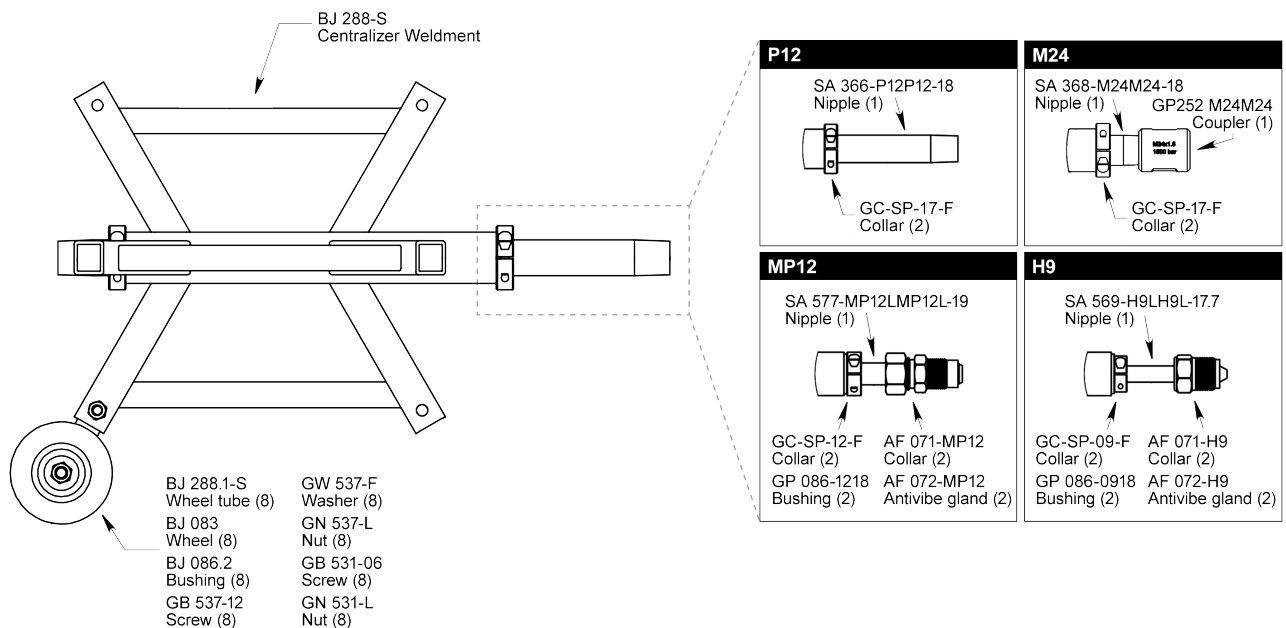
8-WHEEL CENTRALIZER

8-wheel BJV centralizers are suitable for pipes with bends as well as straight pipes. These centralizers come in three sizes — Small, Medium, and Large — and feature telescopic steel legs for fine-tuning diameter adjustment.



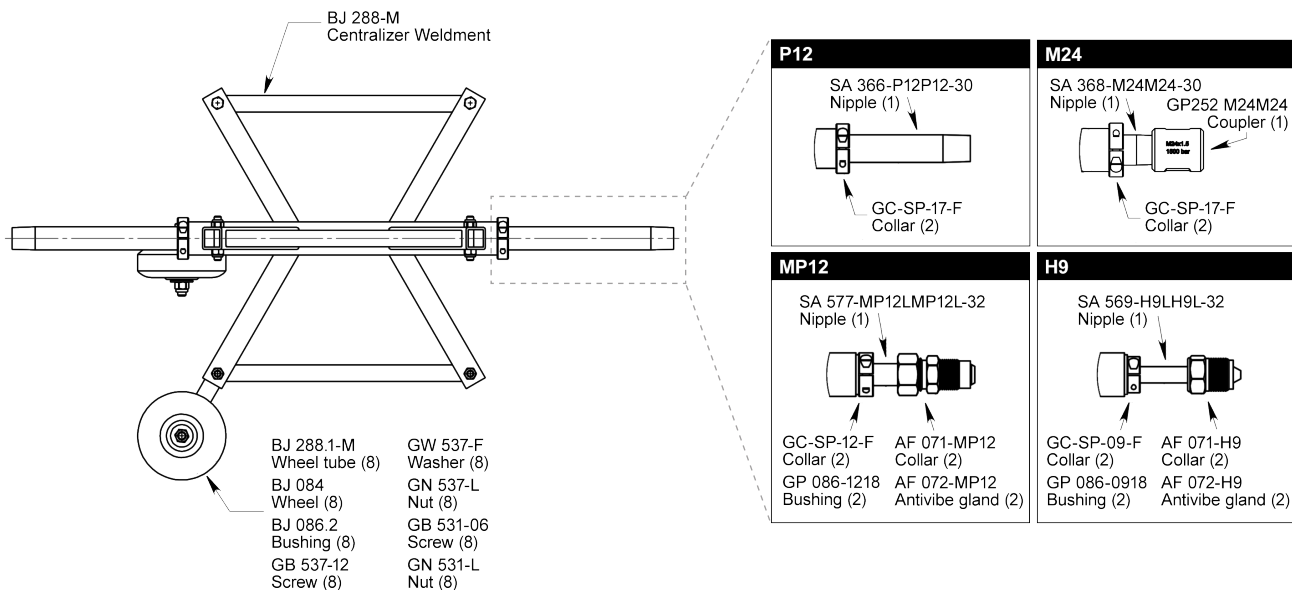
SWIVEL	THREAD SIZE	Ø RANGE	CENTRALIZER PART ID	WEIGHT
BJV-M-F, BJV-M-S	3/4 NPT Male x 3/4 NPT Male	16–21 in. 410–530 mm	BJ 288-S-P12	19 lb 9 kg
		22–29 in. 560–740 mm	BJ 288-M-P12	27 lb 12 kg
		30–37 in. 770–940 mm	BJ 288-L-P12	36 lb 16 kg
BJV-M24-F, BJV-M24-S	M24 Male x M24 Female	16–21 in. 410–530 mm	BJ 288-S-M24	20 lb 9 kg
		22–29 in. 560–740 mm	BJ 288-M-M24	28 lb 13 kg
		30–37 in. 770–940 mm	BJ 288-L-M24	37 lb 17 kg
BJV-MP12-F, BJV-MP12-S	3/4 MP Male x 3/4 MP Male	16–21 in. 410–530 mm	BJ 288-S-MP12	18 lb 8 kg
		22–29 in. 560–740 mm	BJ 288-M-MP12	25 lb 11 kg
		30–37 in. 770–940 mm	BJ 288-L-MP12	28 lb 13 kg
BJV-H9-F, BJV-H9-S	9/16 HP Male x 9/16 HP Male	16–21 in. 410–530 mm	BJ 288-S-H9	18 lb 8 kg
		22–29 in. 560–740 mm	BJ 288-M-H9	25 lb 11 kg
		30–37 in. 770–940 mm	BJ 288-L-H9	28 lb 13 kg

SMALL 8-WHEEL CENTRALIZER (BJ 288-S) COMPONENT PARTS

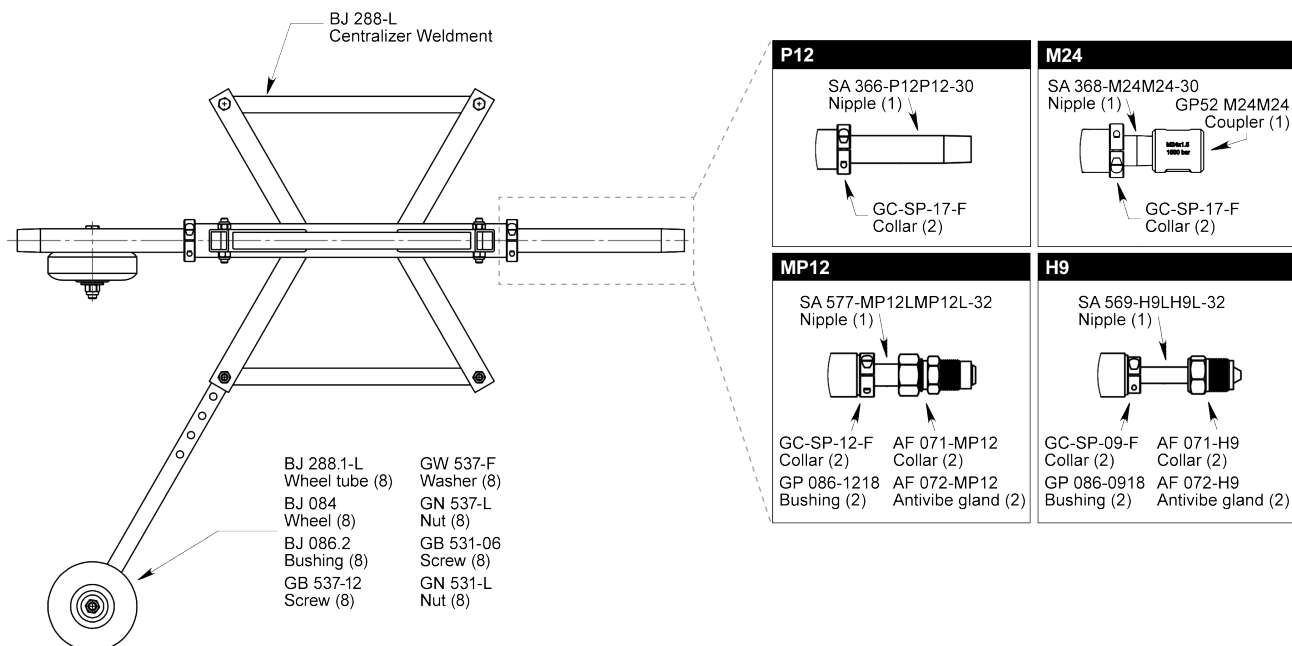


BJV TOOL CONFIGURATION

MEDIUM 8-WHEEL CENTRALIZER (BJ 288-M) COMPONENT PARTS

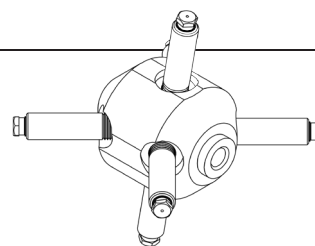


LARGE 8-WHEEL CENTRALIZER (BJ 288-L) COMPONENT PARTS



STEP 6 EXTENSION NIPPLES

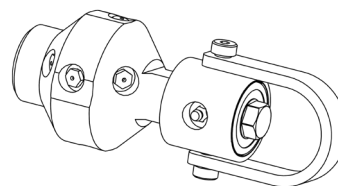
Extension nipples are available for use with all BJV tools. See *Nozzles and Extensions* for a complete list of extension options.



STEP 7 PULLING RING

A pulling ring is available for 6-port and 8-port BJV heads.

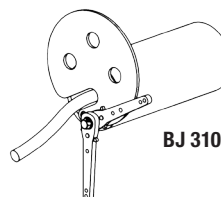
DESCRIPTION	PART ID	WEIGHT
Pulling ring for 6-port or 8-port BJV head	HC 090	2.0 lb 0.9 kg



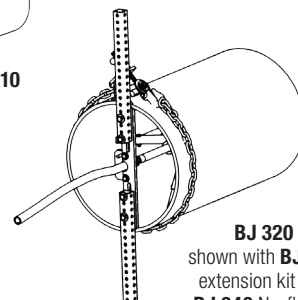
STEP 8 BACKOUT PREVENTER

Backout preventers increase operator safety by keeping the tool from backing out of the pipe. Several options are available including fixtures for small diameter pipes, pipes with various flange bolt circle diameters, and adapters for pipes with no-flange entry.

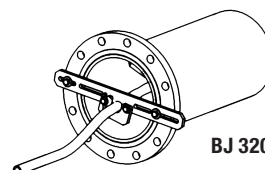
PIPE SIZE	HOSE OD	BACKOUT PREVENTER	DESCRIPTION	WEIGHT
4–8 in. 100–200 mm	0.3–1.5 in. 8–38 mm	BJ 310	Backout preventer for small to medium pipes	7.6 lb 3.4 kg
5–17 in. 130–430 mm	0.3–1.5 in. 8–38 mm	BJ 320	Backout preventer for medium to large pipes	6.3 lb 2.6 kg
15–36 in. 380–910 mm	N/A	BJ 325	Extension kit for BJ 320 backout preventer	8.5 lb 3.6 kg
8–36 in. 130–910 mm	N/A	BJ 340	No-flange kit for BJ 320 backout preventer	17 lb 7.7 kg



BJ 310



BJ 320
shown with BJ 325
extension kit and
BJ 340 No-flange
attachment kit

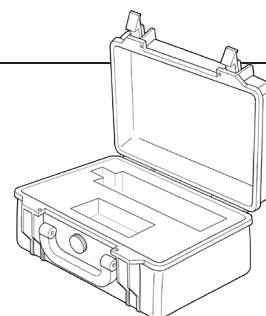


BJ 320

STEP 9 ACCESSORIES

A Pelican™ brand protection/carrying case with custom cut foam insert is available for BJV tool models.

EXTERIOR DIMENSIONS (L X W X D)	INTERIOR DIMENSIONS (L X W X D)	COLOR	CASE PART ID
17.5 x 11.7 x 7.1 in. 44.5 x 29.7 x 18.0 cm	16.9 x 10.0 x 6.5 in. 42.9 x 25.4 x 16.5 cm	Black	BJ 080



BJV TOOL CONFIGURATION

STEP 10 MAINTENANCE RESOURCES

SWIVEL	SERVICE KIT	SEAL KIT	OVERHAUL KIT	TOOL KIT	LUBRICANT	MANUAL
BJV-P16-S	BJ 600-P16-S	BJ 602-P16	BJ 610-P16-S	BJ 612	BJ 048-S	PL 537
BJV-P16-F	BJ 600-P16-F	BJ 602-P16	BJ 610-P16-F	BJ 612	BJ 048-F	PL 537
BJV-P12-F	BJ 600-P12-F	BJ 602-P12	BJ 610-P12-F	BJ 612	BJ 048-F	PL 504
BJV-P12-S	BJ 600-P12-S	BJ 602-P12	BJ 610-P12-S	BJ 612	BJ 048-S	PL 504
BJV-M24-F	BJ 600-M24-F	BJ 602-P12	BJ 610-M24-F	BJ 612	BJ 048-F	PL 509
BJV-M24-S	BJ 600-M24-S	BJ 602-P12	BJ 610-M24-S	BJ 612	BJ 048-S	PL 509
BJV-MP12-F	BJK 600-F	BJK 602	BJK 610-F	BKJ 612	BJ 048-F	PL 506
BJV-MP12-S	BJK 600-S	BJK 602	BJK 610-S	BKJ 612	BJ 048-S	PL 506
BJV-H9-F	BJ 600-H9-F	BJ 602-H9	BJ 610-H9-F	BJ 612-H9	BJ 048-F	PL 519
BJV-H9-S	BJ 600-H9-S	BJ 602-H9	BJ 610-H9-S	BJ 612-H9	BJ 048-S	PL 519

Kit components and tool maintenance/assembly videos are available on our website:

WWW.STONEAGETOOLS.COM

For questions or help with a specific application, configuration or tool repairs, please contact StoneAge Customer Service.

When ordering a BJV tool by line item, you should specify:

1. Swivel Part ID
2. Head Part ID
3. Nozzle/Plug Part IDs
4. Part ID of hose/lance adapter, if required
5. Part IDs for any accessories or maintenance items

EXAMPLE 1:

BJV tool for 15,000 psi 40 gpm with 100 ft 3/4 in. ID hose. Fast rotation speed. Centralizer for 12-inch ID pipe. 45° ports plugged and nozzles in the 90° and 135° ports. Overhaul kit.

QTY	PART ID	DESCRIPTION
1	BJV-P12-F	BJV swivel, Fast
1	BJ 044-P4-6-R20	6 port head. 6 x 1/4 NPT ports
2	GP 025-P4SS	Port plug 1/4 NPT
2	AP4 057	Attack tip 1/4 NPT
2	AP4 063	Attack tip 1/4 NPT
1	BJ 070-12	Centralizer for 12" pipe
1	BJ 610-P12-F	Overhaul kit

EXAMPLE 2:

BJV tool for 1200 Bar 75 l/min with 46 m 1/2" ID hose with M24 end. Slow rotation speed. Centralizer and extension nipples for 600 mm ID pipe. Nozzles only in 90° ports. Pulling ring.

QTY	PART ID	DESCRIPTION
1	BJV-M24-S	BJV swivel, Slow
1	BJ 145-G12-R60	6 port head. 6 x 1/4 NPT ports
2	SA 058-G12	Port Plug w/ O-ring
2	SA 577-G12P4-8	Ext Nipple, w/O-Ring 3/4 MP
2	AP4 052	Attack tip 1/4 NPT
1	BJ 286-M-M24	Centralizer for 12" pipe
1	GP 255-M240M24C	Metric hose adapter
1	HC 090	Pulling ring for BJV head