

RIDGID®

K9-12 FlexShaft® Machine

Clears From 1¼" to 2" (32 mm to 50 mm)
Pipe Up to 30' (9 m)



The NEW RIDGID® FlexShaft K9-12 machine is the most compact version of the FlexShaft Drain Cleaning Machines. The fully enclosed housing contains 30' of FlexShaft cable, encapsulated in nylon sheath for less mess and easy cleanup. The lightweight, portable design is perfect for 1¼" - 2" pipes.

- **Wall-To-Wall Clean:** Chain knocker fully expands inside the pipe reaching wall-to-wall, clears the blockage and restores the pipe to full flow capacity
- **Less Mess & Quick Cleanup:** FlexShaft cable is fully enclosed in a flexible yet durable nylon-sheath and fully contained in housing for less mess and quick clean up
- **Intuitive Use & Ergonomic Design:** Powered by any standard 1800-2500 RPM cordless drill
- **Cable Protection System:** Built-in clutch design extends cable life to maximize uptime
- **Lightweight System:** Less than 10lb unit is a clear first choice to tackle slow or blocked drains
- **Adaptable Accessories:** Compatible with plain chains, carbide chains, penetrating heads, brushes and more

RIDGID® FlexShaft® cable is spun by attaching your cordless drill to the input shaft on the housing. As the cable spins, the chain knocker attached will expand to provide wall-to-wall pipe cleaning. Fast setup and cleanup, quick cleaning, and cordless convenience allow you to restore your pipes to full flow capacity as efficiently as possible.



SPECIFICATIONS

- Model.....**K9-12**
- Drain Capacity (Nom.)1¼" to 2" (32 mm – 50 mm)
- Cable Diameter (without Sheath)¼" (6 mm)
- Cable Assy. Diameter (with Sheath).....¾" (9,5 mm)
- Cable Assembly Length30' (9 m)
- Rotational Speed.....Maximum 2500 RPM
- Drill Attachment5/16" Hex (8 mm)
- Weight (without Drill/Knocker).....8.4 lbs. (8,3 kg)
- Dimension (without Drill)4.83" x 12.91" x 15.06"
(12,23 cm x 32,79 cm x 38,25 cm)
- Operating temperature.....20°F to 140°F (-6°C to 60°C)



ORDER INFORMATION

CATALOG NO.	MODEL NO.	DESCRIPTION	WEIGHT (lb.) (kg)	
74978	K9-12	FlexShaft, 1¼" - 2" Pipes, Includes: 30' ¼" cable and kit*	8.4	3,8

* K9-12 includes: K9-12 1¼" Chain Knocker, 3mm Hex Key, Manual Pack



Smooth Chain Knockers

- For all pipe types
- For soft blockages and grease



Carbide Tipped Chain Knockers

- For hard-walled pipes
- For scale, roots, grease and soft blockages



Penetrating Carbide Tipped Chain Knockers

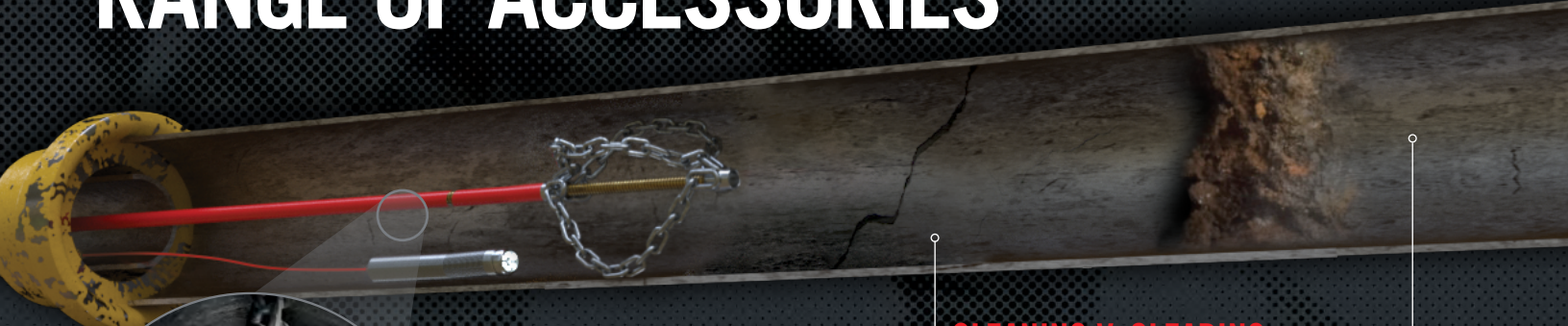
- For hard-walled pipes
- For wipes, scale, roots and soft blockages

ACCESSORIES

CATALOG NO.	DESCRIPTION
64293	FlexShaft Chain Knocker, ¼" cable, 1¼" - 1½" pipe, single chain
64298	FlexShaft Chain Knocker, ¼" cable, 2" pipe, 2 chain
64283	FlexShaft Chain Knocker, ¼" cable, 1¼" - 1½" pipe, single chain, carbide tipped
64288	FlexShaft Chain Knocker, ¼" cable, 2" pipe, 2 chain, carbide tipped
66568	FlexShaft Chain Knocker, ¼" cable, 1¼" - 1½" pipe, single chain, carbide tipped w/penetrating head
66573	FlexShaft Chain Knocker, ¼" cable, 2" pipe, 2 chain, carbide tipped w/penetrating head
68933	1½" Nylon Brush, ¼" cable, 1½" pipe
68938	2" Nylon Brush, ¼" cable, 2" pipe
71838	Penetrating Ball Head, ¼" cable, 1¼" - 2" pipe
71843	Penetrating Drop Head, ¼" cable, 1¼" - 2" pipe
64338	RIDGID FlexShaft Lubricant
76183	FlexShaft Cable Assembly, ¼" x 30'
64363	RIDGID Modified Wallpipe 1¼"
64368	RIDGID Modified Wallpipe 1½"
64643	FlexShaft ¼" Sheath Stock, 12"



RANGE OF ACCESSORIES



CHOOSING THE RIGHT ACCESSORY

RIDGID® FlexShaft® Machines utilize specialized accessories attached to a flexible cable that are spun at high speeds for effective wall-to-wall cleaning action. Selecting the correct chain knocker or brush for your application and pipe material will ensure an efficient clean-out.

CLEANING V. CLEARING

MAINTENANCE AND RELINING

Chain knockers deliver wall-to-wall clean and can get pipes working like new, creating opportunities for warranties or up charges. Total cleaning also lets you prepare damaged pipe for relining as an alternative to digging and replacing.

EMERGENCY BLOCKAGES

When an emergency blockage needs to be cleared to get water running and the client doesn't want to pay for total pipe cleaning, just clearing the blockage is also a solution.

PIPE WALL CLEANING

CHAIN KNOCKERS



SMOOTH CHAIN KNOCKERS

- For all pipe types
- For soft blockages and grease



CARBIDE TIPPED CHAIN KNOCKERS

- For hard-walled pipes
- For scale, roots, grease and soft blockages



PENETRATING, CARBIDE TIPPED CHAIN KNOCKERS

- For hard-walled pipes
- For wipes, scale, roots and soft blockages

BRUSHES



NYLON BRUSH

- Gentle cleaning of fragile pipes
- Centering guide for other tools
- For spreading resin when spray lining
- For final cleanup to sweep fine debris downstream



NYLON-STEEL BRUSH

- For cleaning & light grinding
- For relining preparation of PVC & cast iron pipes
- For final cleanup to sweep fine debris downstream

PENETRATING HEADS



BALL HEAD

- Penetrating head functionality with smooth chains when carbide tipped chains are too aggressive



DROP HEAD

- Specifically designed for dropping down stacks in back-to-back applications

FlexShaft® K9-12, K9-102 & K9-204

FLEX YOUR COVERAGE.

FIND THE RIGHT **CHAIN KNOCKER** FOR THE JOB TO GET WALL-TO-WALL CLEAN



Use below table for recommended options based on blockage, pipe size and pipe type.

		K9-12 & K9-102 MACHINE						K9-204 MACHINE								
		Chain Knockers		Carbide Tipped Chain Knockers		Penetrating Head Chain Knockers		Chain Knockers			Carbide Tipped Chain Knockers			Penetrating Head Chain Knockers		
		K9-12 & K9-102 1½"	K9-12 & K9-102 2"	K9-12 & K9-102 1½" CARBIDE	K9-12 & K9-102 2" CARBIDE	K9-12 & K9-102 1½" PENETRATING HEAD	K9-12 & K9-102 2" PENETRATING HEAD	K9-204 2"	K9-204 3"	K9-204 4"	K9-204 2" CARBIDE	K9-204 3" CARBIDE	K9-204 4" CARBIDE	K9-204 - 2" PENETRATING HEAD	K9-204 - 3" PENETRATING HEAD	K9-204 - 4" PENETRATING HEAD
		64293	64298	64283	64288	66568	66573	64323	64328	64333	64308	64313	64318	66578	66583	66588
		1¼"-1½" (32-40 mm)	2" (50 mm)	1¼"-1½" (32-40 mm)	2" (50 mm)	1¼"-1½" (32-40 mm)	2" (50 mm)	2" (50 mm)	3" (75 mm)	4" (100 mm)	2" (50 mm)	3" (75 mm)	4" (100 mm)	2" (50 mm)	3" (75 mm)	4" (100 mm)
PIPE TYPE	COPPER	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	GALVANIZED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	CAST IRON	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	PVC	✓	✓					✓	✓	✓						
	ABS	✓	✓					✓	✓	✓						
	ORANGEBURG	✓	✓					✓	✓	✓						
	CORRUGATED	✓	✓					✓	✓	✓						
	CLAY	✓	✓					✓	✓	✓						
BLOCKAGE	GREASE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SOFT BLOCKAGE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SCALING			✓	✓	✓	✓				✓	✓	✓	✓	✓	✓
	LIGHT ROOTS			✓	✓	✓	✓				✓	✓	✓	✓	✓	✓
	WIPES					✓	✓							✓	✓	✓
	INCLUDED WITH KIT	✓	✓					✓		✓						

Any chain knocker can be purchased separately.



Read manual for setup.



FlexShaft® K9-12, K9-102 & K9-204

FLEX YOUR COVERAGE.

FIND THE RIGHT **BRUSH AND HEAD ACCESSORIES** FOR THE JOB TO GET WALL-TO-WALL CLEAN

Use below table for recommended options based on application, pipe size and pipe type.



K9-12, K9-102 MACHINE

K9-204 MACHINE



NYLON BRUSH

BALL / DROP HEAD

NYLON BRUSH

NYLON AND STEEL BRUSH

BALL / DROP HEAD

DESCRIPTION	K9-12 & K9-102 NYLON 1.5"	K9-12 & K9-102 NYLON 2"	K9-12 & K9-102 BALL HEAD	K9-12 & K9-102 DROP HEAD	K9-204 NYLON 2"	K9-204 NYLON 3"	K9-204 NYLON 4"	K9-204 NYLON/STEEL 2"	K9-204 NYLON/STEEL 3"	K9-204 NYLON/STEEL 4"	K9-204 BALL HEAD	K9-204 DROP HEAD
CATALOG NO.	68933	68938	71838	71843	68943	68948	68953	68973	68978	68983	71848	71853
PIPE SIZE	1½" (40 mm)	2" (50 mm)	1½" (40 mm)	2" (50 mm)	2" (50 mm)	3" (75 mm)	4" (100 mm)	2" (50 mm)	3" (75 mm)	4" (100 mm)	2" (50 mm)	4" (100 mm)
PIPE TYPE	COPPER	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
	GALVANIZED	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
	CAST IRON	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
	PVC	☑	☑	☑	☑	☑	☑	☑*	☑*	☑*	☑	☑
	ABS	☑	☑	☑	☑	☑	☑	☑*	☑*	☑*	☑	☑
	ORANGEBURG	☑	☑	☑	☑	☑	☑	☑*	☑*	☑*	☑	☑
	CORRUGATED	☑	☑	☑	☑	☑	☑	☑*	☑*	☑*	☑	☑
	CLAY	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
APPLICATIONS	LIGHT GRINDING							☑	☑	☑		
	SPRAY RELINING	☑	☑			☑	☑					
	FRAGILE PIPES/ GENTLE CLEANING	☑	☑			☑	☑					
	FINAL CLEANUP	☑	☑			☑	☑	☑	☑	☑		
	PENETRATES BLOCKAGES			☑	☑						☑	☑
	SMALL LINE NAVIGATION			☑							☑	
	DOWN STACK NAVIGATION				☑							☑
SECURING RING	68923	68923			68918	68918	68918	68918	68918	68918		

* These brushes can be used for light grinding and pipe preparation prior to lining jobs.

Any accessory can be purchased separately.



Read manual for setup.

RIDGID®

SET UP FOR SUCCESS

A QUICK GUIDE FOR PROPER DRILL SETUP AND CLEANING



Read and follow all warnings and instructions for all equipment and materials used with these machines.

1 THE RIGHT TOOL FOR THE JOB

FlexShaft® Machines require a cordless drill equipped with an adjustable clutch and a speed range between 1800 and 2500 RPM. Do not use with an impact driver or corded drill.

2 DIAL UP THE SPEED

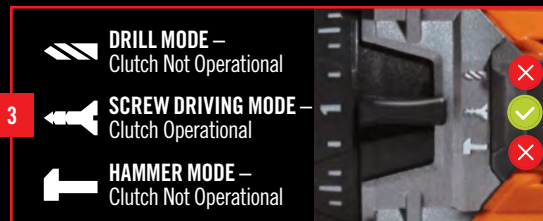
Set your drill to the highest speed – typically setting “2” or “3” is optimal.

3 MODE MATTERS

Always set your drill to **screw driving mode** to enable the adjustable clutch. The clutch is not operational in drill or hammer modes (common markings are shown).

4 MANAGE YOUR CLUTCH

Always start cleaning with the adjustable clutch set relatively low (~25% of the max range).



CLEANING WITH YOUR FLEXSHAFT MACHINE

STEP 1

Once the drill is properly set up (items 1-4 above), make sure the clutch is set to 25%, attach the drill chuck to the drill shaft.

STEP 2

Choose the right chain knocker based on your cleaning situation (see back for details).

STEP 3

When clearing blockages, operate drill at full speed for best cleaning. Do not force the chain knocker into blockages. If drill clutches out, back out of blockage and get chain knockers spinning again before re-entering the blockage.

STEP 4

If the drill continues to clutch out, the adjustable clutch setting can be increased. Increase the clutch setting, but do not exceed 75% of the total clutch adjustment range as this increases the risk of cable damage in the drum of the drain cleaner.

STEP 5

If the drill continues to clutch out, consider using another RIDGID® drain cleaning machine.