

# ROTARY SWIVELS

Rotary Motion and Hose Handling for Waterblast Applications

Rotary couplings, or swivels, are used in waterblast tools for two primary reasons: to provide rotary motion and to ease hose handling.

StoneAge manufactures a wide selection of swivels for specific applications based on pressure, flow and rotation requirements.

## SG SWIVEL



SG Swivels are reliable, easy to maintain and are widely used in our surface preparation tools. Heavy-duty ball bearings with external grease fittings, stainless steel construction and long lasting high pressure seals combine to make these the best swivels in the industry. The CCN models use carbide full seals for high rpm. All other models use plastic HD seals.

Available with either 0° or 90° inlets, these swivels are commonly used on powered rotary surface cleaners (SG-30/40/50), large hose reels, and Blastrack automated surface cleaning systems.

PART ID	SG-P8P8	SG-P12P12	SG-MP12AV12	SG-MP16MP16	SG-CCN-P12K	SG-CCN-MP12K
<b>Pressure Range</b>	2–15k psi 138–1000 bar	2–15k psi 138–1000 bar	2–22k psi 138–1500 bar	2–22k psi 138–1500 bar	2–15k psi 138–1000 bar	2–22k psi 138–1500 bar
<b>Maximum Flow</b>	50 gpm 190 l/min	110 gpm 420 l/min	50 gpm 190 l/min	110 gpm 420 l/min	50 gpm 190 l/min	50 gpm 190 l/min
<b>Rotation Speed</b>	0–600 rpm	0–600 rpm	0–600 rpm	0–600 rpm	0–2000 rpm	0–2000 rpm
<b>Flow Coefficient</b>	2.3 Cv	4.6 Cv	2.0 Cv	4.6 Cv	2.3 Cv	2.0 Cv
<b>Inlet Connection</b>	1/2 NPT	3/4 NPT	3/4 MP	1 MP	3/4 NPT	3/4 MP
<b>Shaft Connection</b>	1/2 NPT	3/4 NPT	3/4 MP	1 MP	1-1/8 K	1-1/8 K
<b>Diameter</b>	3.0 in. 76 mm	3.0 in. 76 mm	3.0 in. 76 mm	3.0 in. 76 mm	3.0 in. 76 mm	3.0 in. 76 mm
<b>Length</b>	6.6 in. 170 mm	6.6 in. 170 mm	7.9 in. 200 mm	9.0 in. 230 mm	7.0 in. 180 mm	7.0 in. 180 mm
<b>Weight</b>	8.4 lb 3.8 kg	8.4 lb 3.8 kg	8.8 lb 4.0 kg	8.8 lb 4.0 kg	8.4 lb 3.8 kg	8.4 lb 3.8 kg
<b>MAINTENANCE KITS</b>						
<b>Service Kit</b>	<b>SG 600</b>	<b>SG 600-62</b>	<b>SG 600</b>	<b>SG 600-62</b>	<b>SG 600-CCN</b>	<b>SG 600-CCN</b>
<b>Overhaul Kit</b>	<b>SG 610</b>	<b>SG 610-62</b>	<b>SG 610</b>	<b>SG 610-62</b>	<b>SG 610-CCN</b>	<b>SG 610-CCN</b>
<b>Tool Kit</b>	<b>SG 612</b>	<b>SG 612</b>	<b>SG 612</b>	<b>SG 612</b>	<b>SG 612</b>	<b>SG 612</b>

Visit the StoneAge website for tool resources including sales, operation and maintenance videos:

[WWW.STONEAGETOOLS.COM](http://WWW.STONEAGETOOLS.COM)

## SH SWIVEL

SH swivels can be installed between a tool's inlet connection and the high pressure hose to prevent hose twist and ease hose handling. They can also provide compact rotary motion for a variety of low speed applications. These swivels are commonly used on hand-held shotguns and small hose reels.



PART ID		SH-P8P8
Pressure Range	2–15k psi 138–1000 bar	
Maximum Flow	50 gpm 190 l/min	
Rotation Speed	0–250 rpm	
Flow Coefficient	2.3 Cv	
Inlet Connection	1/2 NPT	
Shaft Connection	1/2 NPT	
Diameter	2.3 in. 58 mm	
Length	4.1 in. 105 mm	
Weight	1.9 lb 0.86 kg	
MAINTENANCE KITS		
Service Kit	SH 600	
Overhaul Kit	SH 610	

## SL SWIVEL

SL swivels feature replaceable seals, smooth ball bearings, stainless steel construction and low static torque for easy rotation. They are installed as standard equipment on our Rigid Lancing Machines and are available with either 0° or 90° inlets.



PART ID	SL-P8P4	SL-MP9AV9
Pressure Range	2–15k psi 138–1000 bar	2–22k psi 138–1500 bar
Maximum Flow	35 gpm 130 l/min	25 gpm 95 l/min
Rotation Speed	0–1000 rpm	0–800 rpm
Flow Coefficient	1.6 Cv	1.1 Cv
Inlet Connection	1/2 NPT	9/16 MP
Shaft Connection	1/4 NPT	9/16 MP
Diameter	1.8 in. 45 mm	1.8 in. 45 mm
Length	4.6 in. 117 mm	5.9 in. 150 mm
Weight	1.6 lb 0.7 kg	2.0 lb 0.9 kg
MAINTENANCE KITS		
Service Kit	SL 600-P	SL 600-K
Overhaul Kit	SL 610-P	SL 610-K
Tool Kit	SL 612	SL 612

## SM SWIVEL

Constructed similarly to our SG series, the heavy-duty SM swivels feature durable stainless steel construction, heavy duty bearings, and long lasting high pressure seals. SM swivels are excellent for boilers, furnaces, tube bundles, large tanks and vessels cleaning applications. 0° or 90° inlet connections are available.



PART ID	SM-P16	SM-P20
<b>Pressure Range</b>	2–12k psi 138–830 bar	2–10k psi 138–700 bar
<b>Maximum Flow</b>	300 gpm 1100 l/min	600 gpm 2300 l/min
<b>Rotation Speed</b>	0–300 rpm	0–300 rpm
<b>Flow Coefficient</b>	13 Cv	18 Cv
<b>Inlet Connection</b>	1 NPT	1-1/4 NPT
<b>Shaft Connection</b>	1 NPT	1-1/4 NPT
<b>Diameter</b>	3.5 in. 8.9 mm	3.5 in. 8.9 mm
<b>Length</b>	7.3 in. 190 mm	7.3 in. 190 mm
<b>Weight</b>	10 lb 4.5 kg	11 lb 5.0 kg
MAINTENANCE KITS		
<b>Service Kit</b>	<b>SM 600-P16</b>	<b>SM 600-P20</b>
<b>Overhaul Kit</b>	<b>SM 610-P16</b>	<b>SM 610-P20</b>
<b>Tool Kit</b>	<b>SM 612-P16</b>	<b>SM 612-P20</b>

## UH SWIVEL

Considered the benchmark of high pressure rotary couplings, UH swivels lead the industry in durability. The UH-H9H6 is available in either a 0° or 90° inlet connection. These swivels are commonly used on powered surface cleaners (UH-40/50), remote shotgunning systems, rigid lancing systems and hose reels.



PART ID	UHS-H9H9	UH-H9H6	UH-H9G12
<b>Pressure Range</b>	6–40k psi 400–2800 bar	6–44k psi 400–3000 bar	6–44k psi 400–3000 bar
<b>Maximum Flow</b>	10 gpm 38 l/min	20 gpm 76 l/min	20 gpm 76 l/min
<b>Rotation Speed*</b>	0–1500 rpm	0–1000 rpm	0–1000 rpm
<b>Flow Coefficient</b>	0.30 Cv	0.50 Cv	0.50 Cv
<b>Inlet Connection</b>	9/16 HP	9/16 HP	9/16 HP
<b>Shaft Connection</b>	9/16 HP	3/8 HP	G12
<b>Diameter</b>	1.75 in. 45 mm	2.5 in. 64 mm	2.5 in. 64 mm
<b>Length</b>	5.9 in. 130 mm	8.8 in. 220 mm	8.8 in. 220 mm
<b>Weight</b>	2.0 lb 0.90 kg	7.5 lb 3.4 kg	7.5 lb 3.4 kg
MAINTENANCE KITS			
<b>Service Kit</b>	<b>UHS 600</b>	<b>UH 600</b>	<b>UH 600</b>
<b>Overhaul Kit</b>	<b>UHS 610</b>	<b>UH 610</b>	<b>UH 610</b>
<b>Tool Kit</b>	N/A	<b>UH 612</b>	<b>UH 612</b>

\*Break in new seals for 1/2 hour at 500 rpm max.