



**UNDERWATER HYDRAULIC GRINDER SY-GR29310**



**SPECIFICATIONS**

<b>Capacity</b>	9" / 23 cm Wheel
<b>Spindle</b>	5/8" – 11 Threaded
<b>Circuit Type</b>	Open Center
<b>Flow Range</b>	4-12 gpm / 15-45 lpm
<b>Working Pressure</b>	1000-2000 psi / 70-140 bar
<b>Full Relief Setting</b>	2250 psi / 155 bar
<b>RPM</b>	3200 @ 12 gpm / 45 lpm
<b>Weight (with guard)</b>	15 lbs / 6.8 kg
<b>Length</b>	11" / 28 cm
<b>Width (with guard)</b>	10 1/4" / 26 cm
<b>Hydraulic Ports</b>	-8 SAE O-ring
<b>Connection Size and Type</b>	3/8" Male Pipe Adapter
<b>Couplers</b>	Varies with model (See Ordering Information)
<b>Hose Whips</b>	No (See Accessories)

**FEATURES**

- Integral Stanley Hyrevz gear motor produces high torque
- Stainless Steel spools and fasteners
- Two position assist handle for right/left hand operation
- Oversized trigger with guard for diver comfort
- Adjustable wheel guard for infinite positions
- Plastisol covered handle for comfortable ergonomic grip
- Use with grinding wheels, hull scrubbing brushes, wire and nylon brushes, barnacle busters and Desmond wheels
- 3200 rpm @ 12 gpm
- Cast-in lifting eye



## UNDERWATER HYDRAULIC GRINDER SY-GR29310

# ORDERING INFORMATION

### PART NUMBER

**GR29310** Grinder, Underwater, less couplers

**GR2930101** Grinder, Underwater, couplers, CE

### ACCESSORIES

**03971** Flush-Face Coupling Set, 3/8" NPT

**03974** Flush-Face Coupling Set, 1/2" NPT

**06830** Hose Whip 18" long, -8 SAE x 1/2" NPT

**02587** Grinding wheel for metal, 9" diameter x 5/8 - 11 thd

**02588** Grinding wheel for masonry, 9" diameter x 5/8 - 11 thd

**03691** Grinding wheel, 7" diameter x 5/8 - 11 thread

**05194** Adapter, 5/8 - 11 thread, depressed center wheel

**31848** Dual Hose, 50' x 1/2", with couplers

**31972** Dual Hose, 25' x 1/2", with couplers

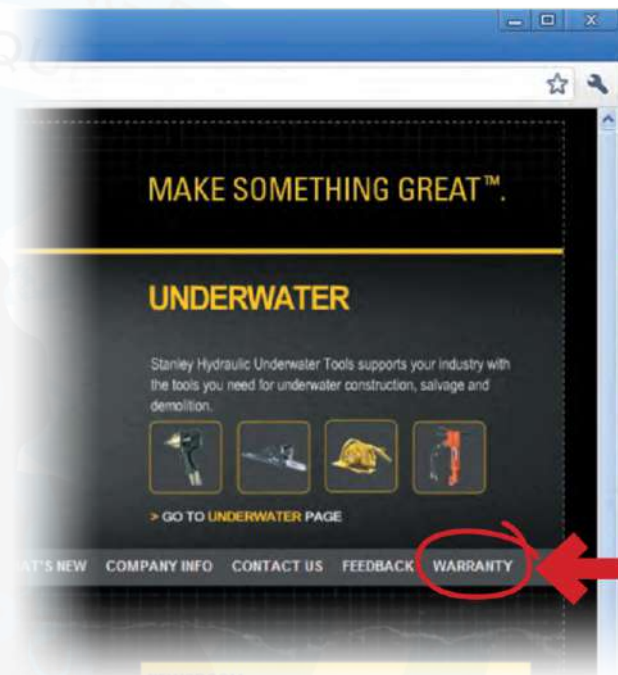
**58633** Twinned Hose, 25' x 1/2", with couplers

**58634** Twinned Hose, 50' x 1/2", with couplers

When hydraulic hose exceeds 100' (30.4 m) in length, increase I.D. of both pressure and return hose. For more information, consult Stanley Hydraulic Tools.






### IMPORTANT

To fill out a Product Warranty Recording form and for information on your warranty visit [stanleyhydraulic.com](http://stanleyhydraulic.com) and select the Warranty tab.



**Note:** The warranty recording form must be submitted to validate the warranty.

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<ul style="list-style-type: none"> <li>• <b>Description</b></li> <li>• <b>Application</b></li> <li>• <b>Materials</b></li> <li>• <b>Part Number</b></li> <li>• <b>Size</b></li> <li>• <b>Max Rating</b></li> </ul>	<p><b>9" All-Cut Diamond Grit Cutting Disc</b></p> <p>Durable, Long Life with ability to cut wide range of materials General Cutting / Various Materials All Purpose, Concrete, Stone, Steel &amp; Alloys, Composite, PVC, Wood AC230-22 230mm x 3.1mm 6,600rpm (80 m/s)</p>	
<ul style="list-style-type: none"> <li>• <b>Description</b></li> <li>• <b>Application</b></li> <li>• <b>Materials</b></li> <li>• <b>Part Number</b></li> <li>• <b>Size</b></li> <li>• <b>Max Rating</b></li> </ul>	<p><b>9" All-Grind Diamond Grit Grinding Disc</b></p> <p>Durable, Long Life with ability to grind wide range of materials General Grinding / Various Materials All Purpose, Concrete, Stone, Steel &amp; Alloys, Composite, PVC, Wood AG230-22 230mm DPC 6,600rpm (80 m/s)</p>	
<ul style="list-style-type: none"> <li>• <b>Description</b></li> <li>• <b>Application</b></li> <li>• <b>Materials</b></li> <li>• <b>Part Number</b></li> <li>• <b>Size</b></li> <li>• <b>Max Rating</b></li> </ul>	<p><b>7" &amp; 9" Diamond Cutting Disc DT 600 U</b></p> <p>Top Performance, long life Cutting Concrete, Sandstone, Construction Materials 322633    322634 180mm x 2.6mm                                      230mm x 2.6mm 8,500rpm (80 m/s)                                      6,600rpm (80 m/s)</p>	
<ul style="list-style-type: none"> <li>• <b>Description</b></li> <li>• <b>Application</b></li> <li>• <b>Materials</b></li> <li>• <b>Part Number</b></li> <li>• <b>Size</b></li> <li>• <b>Max Rating</b></li> </ul>	<p><b>7" &amp; 9" Diameter Bonded Abrasive Grinding Disc for Metal</b></p> <p>Depressed Centre High performance, minimal vibration &amp; long life Grinding Pipe, Structural, Solid and Plate Steel, Stainless steel GW778DCS    GW978DCS 180mm DPC x 6.4mm                                      230mm DPC x 6.4mm 8,500rpm (80 m/s)                                      6,600rpm (80 m/s)</p>	
<ul style="list-style-type: none"> <li>• <b>Description</b></li> <li>• <b>Application</b></li> <li>• <b>Materials</b></li> <li>• <b>Part Number</b></li> <li>• <b>Size</b></li> <li>• <b>Max Rating</b></li> </ul>	<p><b>7" &amp; 9" Diameter Bonded Abrasive Cutting Disc for Metal</b></p> <p>Depressed Centre High performance, minimal vibration &amp; long life Cutting Pipe, Structural, Solid and Plate Steel, Stainless steel CW778DCS    CW978DCS 180mm x 2.5mm    230mm DPC x 2.5mm 8,500rpm (80 m/s)    6,600rpm (80 m/s)</p>	




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<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Materials</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> <li><b>Max Rating</b></li> </ul>	<p><b>7" &amp; 9" Diameter Bonded Abrasive Grinding Disc for Stone</b></p> <p>Depressed Centre High performance, minimal vibration &amp; long life Grinding Masonry, Stone, Concrete</p> <p>Stone, Brick, Concrete, Ceramics</p> <p>GW778DCM                      GW978DCM 180mm DPC x 6.4mm        230mm DPC x 6.4mm 8,500rpm (80 m/s)        6,600rpm (80 m/s)</p>	
<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Materials</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> <li><b>Max Rating</b></li> </ul>	<p><b>9" Diameter Bonded Abrasive Cutting Disc for Stone</b></p> <p>Depressed Centre High performance, minimal vibration &amp; long life Cutting Masonry, Stone, Concrete</p> <p>Stone, Brick, Concrete, Ceramics</p> <p>CW978DCM 230mm DPC x 3.2mm 6,600rpm (80 m/s)</p>	
<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Materials</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> <li><b>Max Rating</b></li> </ul>	<p><b>9" Diameter Bonded Abrasive Grinding Disc for Metal</b> <b>5/8-11 thread Spin-On</b></p> <p>Excellent material removal and long life Grinding Pipe, Structural, Solid and Plate</p> <p>Steel, Stainless Steel</p> <p>GW49105S 230mm x 6mm x 5/8-11 6,600rpm (80 m/s)</p>	
<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Materials</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> <li><b>Max Rating</b></li> </ul>	<p><b>9" Diameter Bonded Abrasive Cutting Disc for Metal</b> <b>5/8-11 thread Spin-On</b></p> <p>Excellent material removal and long life Cutting Pipe, Structural, Solid and Plate</p> <p>Steel, Stainless Steel</p> <p>CW48983S 230mm x 4mm x 5/8-11 6,600rpm (80 m/s)</p>	

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<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Materials</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> <li><b>Max Rating</b></li> </ul>	<p><b>Cup Wire Brush 100mm Twisted Knot Steel Bristles</b></p> <p>Hard wearing cup brush with good material removal De-burring, De-scaling, Marine growth removal, Paint removal Various, Inc: Steel, Stainless Steel &amp; Glass Fibre CWB100-TK58 100mm x 5/8-11 threaded bore 8,500rpm</p>	
<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Materials</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> <li><b>Max Rating</b></li> </ul>	<p><b>Bevel Wire Brush 115mm Twisted Knot Steel Bristles</b></p> <p>Hard wearing bevel brush with good material removal De-burring, De-scaling, Marine growth removal, Paint removal Various, Inc: Steel, Stainless Steel &amp; Glass Fibre BWB115-TK58 115mm x 5/8-11 threaded bore 12,500rpm</p>	
<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Materials</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> <li><b>Max Rating</b></li> </ul>	<p><b>Nylon Brush 160mm</b></p> <p>Nylon Brush Marine growth removal, Cleaning &amp; Polishing Various, Inc: Steel, Stainless Steel &amp; Glass Fibre NB160 160mm 3,200rpm (44 m/s)</p>	
<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> </ul>	<p><b>Adaptor for NB160 Nylon Rotary Brush</b></p> <p>Aluminium mount for rotary nylon brush Adaptor for NB160 (above) NB160ADP 5/8-11 threaded bore</p>	

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<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Materials</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> <li><b>Max Rating</b></li> </ul>	<p><b>7" Rapid Strip Disc DPC, Xtra Coarse, Long Lasting</b></p> <p>Synthetic fibres and coarse ceramic alumina grain                      Rust &amp; Paint removal. Surface Preparation                      Various, Inc. Steel, Stainless Steel &amp; Glass Fibre                      RSD03920                      180mm DPC                      8,000rpm (75 m/s)</p>													
<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Materials</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> <li><b>Max Rating</b></li> </ul>	<p><b>7" Rapid Strip Disc DPC, Xtra Coarse, STD Density</b></p> <p>Synthetic fibres and coarse silicon carbide grains                      Light Marine Growth, Rust &amp; Paint removal. Surface Preparation                      Various, Inc. Steel, Stainless Steel &amp; Glass Fibre                      RSD85750                      180mm DPC                      6,700rpm (63 m/s)</p>													
<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Materials</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> <li><b>Max Rating</b></li> </ul>	<p><b>7" Rapid Strip Disc DPC, Xtra Coarse, Harder Density</b></p> <p>Synthetic fibres and coarse silicon carbide grains                      Light Marine Growth, Rust &amp; Paint removal. Surface Preparation                      Various, Inc. Steel, Stainless Steel &amp; Glass Fibre                      RSD09586                      180mm DPC                      8,000rpm (75 m/s)</p>													
<ul style="list-style-type: none"> <li><b>Description</b></li> <li><b>Application</b></li> <li><b>Materials</b></li> <li><b>Part Number</b></li> <li><b>Size</b></li> <li><b>Grit</b></li> <li><b>Max Rating</b></li> </ul>	<p><b>7" Conical Fibre Disc (40/80/120 Grit ) DPC</b></p> <p>Zirconium, excellent material removal and long life                      Ideal for edge grinding, surface preparation &amp; Cleaning, De-rusting                      Steel, Stainless steel</p> <table border="0"> <tr> <td>CFD02341</td> <td>CFD02345</td> <td>CFD02347</td> </tr> <tr> <td>180mm DPC</td> <td>180mm DPC</td> <td>180mm DPC</td> </tr> <tr> <td>40-Grit</td> <td>80-Grit</td> <td>120-Grit</td> </tr> <tr> <td>8,500rpm (80 m/s)</td> <td>8,500rpm (80 m/s)</td> <td>8,500rpm (80 m/s)</td> </tr> </table>	CFD02341	CFD02345	CFD02347	180mm DPC	180mm DPC	180mm DPC	40-Grit	80-Grit	120-Grit	8,500rpm (80 m/s)	8,500rpm (80 m/s)	8,500rpm (80 m/s)	
CFD02341	CFD02345	CFD02347												
180mm DPC	180mm DPC	180mm DPC												
40-Grit	80-Grit	120-Grit												
8,500rpm (80 m/s)	8,500rpm (80 m/s)	8,500rpm (80 m/s)												

# UNDERWATER HYDRAULIC GRINDER SY-GR29310



## SPECIFICATIONS

Outside Diameter	150mm (6")
Recommended Speed	1,000 to 2,000 rpm
Max Rated Speed	3,200 rpm
Fitting	5/8-11 Arbour
Cutting Heads	7 per unit
Main Body Material	Stainless Steel

### Features and Benefits

Removes heavy build-up of mussels, barnacles or other encrustations from steel, concrete, pilings, seawalls, bulkheads and ships easily.

It is a stainless steel one piece aircraft quality housing with stainless steel blocks on the outside diameter and fits a 5/8"-11 shaft. (Other fittings and mounts also available).

Furnished with sharp tooth tool-steel cutters as standard, with built-in safety guard and balanced design for easy operation.

As the unit moves across the surface, the outside blocks shatter barnacles and other heavy growth. The rotating hardened steel cutters follow up with a chipping and scraping action which removes the

remaining material, leaving a clean surface. Water passing through the tool keeps the cutting wheels clean

The rotary action displaces water thus creating a vacuum under the unit. This results in the unit being pressed and held against the ship or work surface. Slight pressure on either side of the tool allows the operator to guide it in any direction.

The tool is ecologically safe since it adds no harmful chemicals to our environment.

A speed of 1000 rpm to 2000 rpm is suggested for underwater use. See over page for hydraulic flow vs shaft speed graph.

### Applications include:

- Paint removal
- Ship hulls & rudders
- Offshore wind turbines
- Bridges
- Pilings
- Marine structures
- Harbour structures
- Storage tanks

# UNDERWATER HYDRAULIC GRINDER SY-GR29310

## ORDERING INFORMATION

MODEL/PART No.	DESCRIPTION
HOP50830	Barnacle Basher 150mm (6") Heavy duty unit with quick change cutter sets

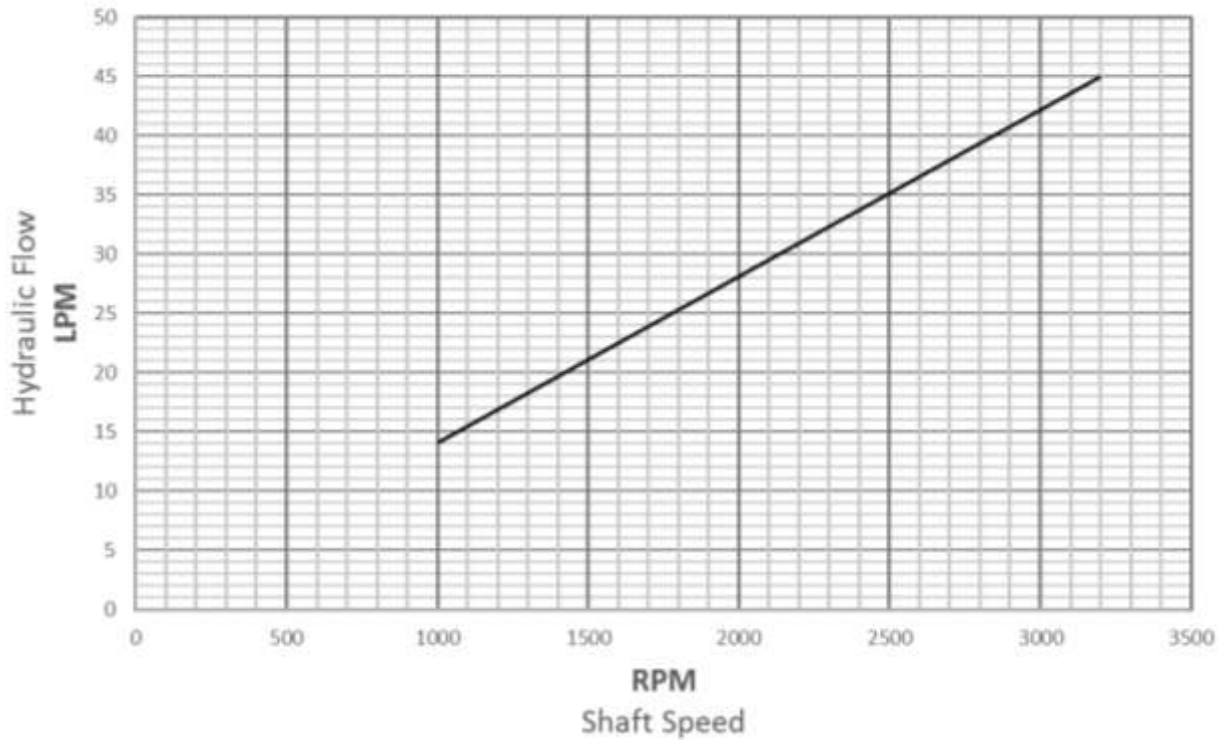
## WARRANTY

All tools and their associated parts are warranted against defects in materials and workmanship for a period of twelve months from the date of purchase. We reserve the right to repair or replace only those parts which prove to have been defective at the time of purchase. This warranty becomes void if maximum flow and pressure ratings are exceeded.

## ACCESSORIES

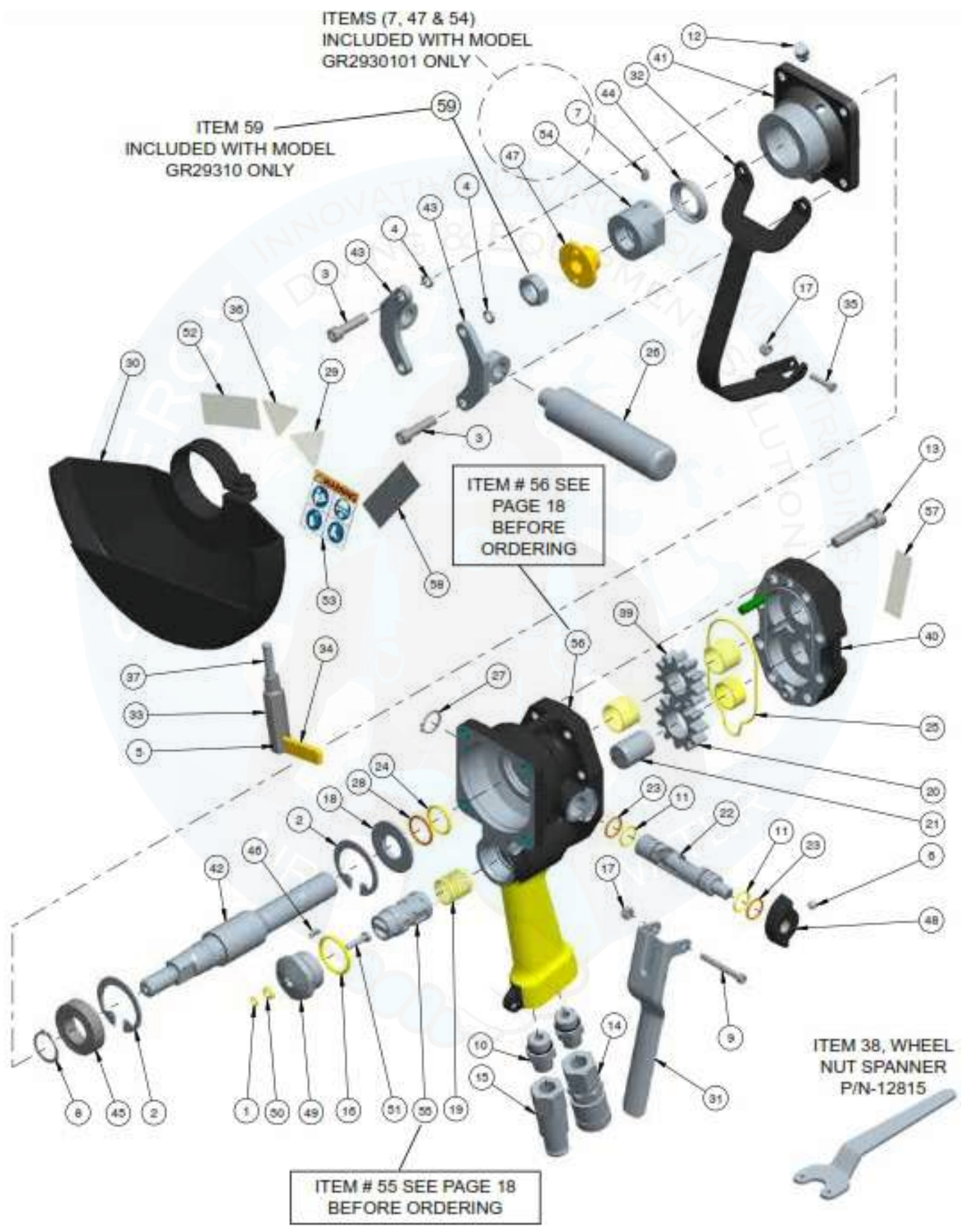
PART No.	DESCRIPTION
50631	Quick Change Cutter Set for 50830 Unit (Set of 7)
50684	Axles (Set of 7) for all 150mm (6") Units

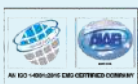
GR29 Hydraulic Flow Vs Shaft Speed





**UNDERWATER HYDRAULIC GRINDER SY-GR29310**





## UNDERWATER HYDRAULIC GRINDER SY-GR29310

ITEM #	PART #	QTY	DESCRIPTION
1	00026	1	O-RING *
2	00166	2	RETAINING RING
3	00230	4	CAPSCREW
4	00231	2	LOCKWASHER
5	00285	1	ROLL PIN
6	00580	1	SETSCREW
7	00599	1	SETSCREW (GR2930101 ONLY)
8	00672	1	RETAINING RING EXTERNAL
9	00786	1	CAPSCREW
10	00936	2	ADAPTER
11	01211	2	O-RING *
12	01220	1	GREASE FITTING 1/8 CAPPED
13	01870	8	CAPSCREW
14	03972	1	COUPLER, 3/8FEM. 3/8NPT FL.FACE SET 03971
15	03973	1	COUPLER, 3/8MALE 3/8NPT FL.FACE SET 03971
16	06533	1	O-RING *
17	07724	2	NYLOCK NUT
18	07987	1	BACK-UP WASHER
19	07988	1	COMPRESSION COIL SPRING
20	07989	1	IDLER GEAR ASSY (INCLUDES DU BUSHING)
21	07991	1	IDLER SHAFT
22	08002	1	REVERSING SPOOL
23	08015	2	BACK-UP RING *
24	08017	1	O-RING *
25	08023	1	O-RING *
26	08130	1	HANDLE
27	09275	1	RETAINING RING EXTERNAL
28	09396	1	BACK-UP RING *
29	11206	1	CIRCUIT TYPE "C" STICKER
30	11937	1	WHEEL GUARD
	08322	1	WHEEL GUARD U/W MODEL
31	12283	1	TRIGGER U/W
32	12285	1	TRIGGER GUARD U/W
33	12290	1	CLAMP SCREW
34	12291	1	THUMB PLATE
35	12470	1	CAPSCREW
36	12535	1	CIRCUIT TYPE "E" STICKER
37	12786	1	STUD
38	12815	1	WHEEL NUT SPANNER
39	13783	1	DRIVE GEAR
40	13789	1	MOTOR CAP ASSY (INCLUDES DU BUSHING & DOWEL PIN)

ITEM #	PART #	QTY	DESCRIPTION
41	13790	1	BEARING CARRIER
42	13791	1	SPINDLE SHAFT
43	13796	2	DEAD HANDLE BRKT WELDMENT
44	13812	1	ROTARY SHAFT SEAL *
45	13813	1	BALL BEARING
46	13828	1	WOODRUFF KEY #404
47	16495	1	HUB NUT (GR2930101 ONLY)
48	17061	1	VALVE KEEPER
49	22063	1	SPOOL CAP
50	22064	1	ROD WIPER *
51	23678	1	HEADED PUSH PIN
52	28322	1	STICKER "CE" 25MM
53	28409	1	COMPOSITE STICKER
54	28913	1	DRIVE FLANGE (GR2930101 ONLY)
55	73041	1	ON/OFF VALVE SPOOL ( <b>NOTE: SEE PAGE 18 BEFORE ORDERING</b> )
56	73311	1	MAIN HOUSING ASSY (INCLUDES DU BUSHING) ( <b>NOTE: SEE PAGE 18 BEFORE ORDERING</b> )
57	73684	1	NAME TAG - GR29 UW
58	74818	1	INFORMATION TAG - GR2930101
59	13779	1	JAM NUT ( <b>INCLUDED WITH GR29310 ONLY</b> )
	16969	1	SEAL KIT

\* DENOTES PART IN SEAL KIT

## UNDERWATER HYDRAULIC GRINDER SY-GR29310

# Contact us



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