



SG-Series Sync Grip Pullers

A new line of pullers
to make your job
easier and safer.



ENERPAC 



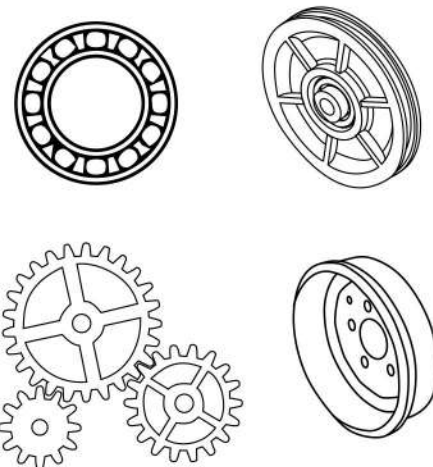
OVERVIEW

The Enerpac Sync Grip multi-purpose puller range is designed to make your jobs easier and safer to accomplish.

Remove bearings, bushings, gears, sleeves, wheels and flywheels, sprockets and other shaft mounted items simply and effectively.

Mechanical and hydraulic configurations are available with a variety of optional accessories that expand application range and increase utility.

Hydraulic models are available in standard sets which include detachable hydraulic cylinders and a choice of pump options, along with a gauge assembly and hose for safe monitoring of applied pulling forces.



Always wear safety goggles and gloves while using pullers.



WARNING!
Do not exceed 50% of the rated puller capacity when using two jaw configurations.

Puller Capacity (ton)	Puller Model No.	Sync Grip Pullers Dimensions (mm)								Wt.*** (kg)
		Standard Reach Jaws		Optional Extended Reach Jaws		Jaw Tip			Jaw Hole Spacing	
		Max. Reach	Max. Spread	Max. Reach	Max. Spread	Height	Width	Thickness	(mm)	
		A	B	A	B	D	E	F		
Mechanical Pullers										
1	SGM01*	105	110	—	—	8,0	7,0	7,5	19,0	0,8
4	SGM04*	185	175	—	—	7,5	8,0	21,0	51,0	2,0
7	SGM07*	225	240	—	—	10,0	8,0	25,0	44,5	6,5
10	SGM10*	410	350	490	405	12,5	15,0	25,0	83,0	14,5
20	SGM20	600	680	640	720	22,0	24,0	41,0	125,0	55,5
Hydraulic Pullers										
13	SGH14*	320	350	400	405	12,5	15	25	83	25
22	SGH24	320	480	435	540	15,5	17,5	31	115	49
33	SGH36	410	650	525	720	22	24	41	125	75
45**	SGH64	700	980	850	1080	30	27	50	150	165

* Puller can be set up as a 2 or 3 jaw configuration

** Puller capacity at 540 bar, maximum cylinder capacity at 700 bar is 58 ton.

*** With standard legs and cylinder for hydraulic models



Overview and Dimension Guide

Sync Grip Pullers



Sync Grip Pullers: available in both mechanical or hydraulic versions. Some models can be configured as a two jaw puller, however, three jaws are recommended for most even distribution of pulling forces.



Cross Puller: hydraulically powered via detachable cylinder and choice of pump. The Cross Puller can be used individually as a 'push' puller or in conjunction with the Bearing Separator or Bearing Cup Puller.



Bearing Separator: use where access is restricted. The Bearing Separator is used in conjunction with the Cross Puller.



Bearing Cup Puller: specifically designed for cup style bearing and other applications requiring an internal style puller.



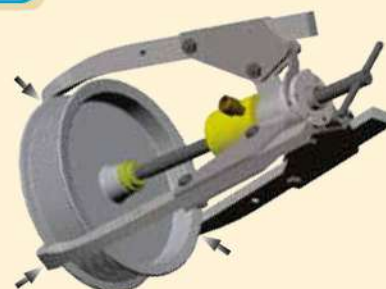
Detachable Hollow Cylinder: provided with all hydraulic puller models including both the standard Sync Grip and Cross Puller.



In Sync Grip, Cross Bearing and Master Puller Sets a hose and gauge are provided as standard along with your choice of pump including manual hand operated, cordless battery powered, electric or air powered. In each case the pump selection has been optimized for compatibility with the pullers.



Easy To Use



Simple, Safe, Productive

All three jaws close simultaneously making the puller easier and safer to operate.

The synchronous feature of the SGM and SGH Series Pullers makes positioning the puller simple and helps prevent misalignment.

Cross Puller Dimensions (mm)				Wt.**	Bearing Separator Dims. (mm)				Wt.	Bearing Cup Dimensions (mm)							Wt.	
Standard Leg Height	Long Leg Height	Maximum Spread			Dia.	Spread Range		Thread Size		Spread Range				Jaw Tip				
A	A	B	(kg)		A	Min. Spread	Max. Spread	C	(kg)	Height	Height	Min. Spread	Max. Spread	Height	Width	Thickness	(kg)	
A	A	B			A	B	B	C		A	B	C	C	D	E	F		
Mechanical Pullers					Mechanical Pullers					Mechanical Pullers								
—	—	—	—		—	—	—	—		—	—	—	—	—	—	—	—	
—	—	—	—		—	—	—	—		—	—	—	—	—	—	—	—	
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Hydraulic Pullers					Hydraulic Pullers					Hydraulic Pullers								
106	357	260	18,5		110	10	110	5/8" - 18 UNF	2,7	115	237	40	145	5	4,5	31	2	
115	570	345	34,5		155	12	134	5/8" - 18 UNF	5,7	140	266	32	160	4,5	4,5	25	2,4	
205	710	440	56		260	17	250	1" - 14 UNS	28,5	150	310	60	240	8	11	55	6	
609	864	580	113,5		260	17	250	1-1/4" - 12 UNF	28,5	150	310	60	240	8	11	55	6,4	

** With cylinder and standard legs

▼ Shown: SGM10 with three jaws



- Sync Grip mechanism synchronizes movement of all jaws for simultaneous engagement, helping to prevent misalignment for safe and easy use
- Threaded spindle and jaw indexes provide adjustable reach
- Three-jaw configuration for even load distribution
- Two-jaw configuration for confined access applications available on all pullers 10 ton and below (not available on SGM20)
- High-strength forged jaws for superior reliability
- Suitable for a variety of applications including bearings, bushings, wheels, gears and pulleys

SGM Series

Puller Capacity:

1 - 20 ton

Maximum Reach:

105 - 600 mm

Maximum Spread:

110 - 680 mm



Dimensions

Dimensional information for all puller models is included in the dimensional overview table:

Page: **2**



WARNING!

Do not exceed 50% of the rated puller capacity when using two jaw configurations.

▼ SGM10 with two jaws



▼ DIMENSIONAL DATA

Puller Capacity (ton)	Puller Model No.	Dimensions (mm)		Weight (kg)	Long Jaw Sets Model No.*	Dimensions (mm)	
		Max. Reach A	Max. Spread B			Max. Reach A	Max. Spread B
1	SGM01	105	110	0,8	—	—	—
4	SGM04	185	175	2,0	—	—	—
7	SGM07	225	240	6,5	—	—	—
10	SGM10	410	350	14,5	SG1002K	490	405
20	SGM20	600	680	55,5	SG3002K	640	720

* Jaw sets include three jaws.



Hydraulic Sync Grip Master Puller Sets

▼ Shown: **MPS14H**



MPS Series

Puller Capacity:
13 - 45 ton

Maximum Reach:
320 - 700 mm

Maximum Spread:
350 - 980 mm

Maximum Operating Pressure:
700 bar

- Sync Grip mechanism synchronizes movement of all jaws for simultaneous engagement
- Hydraulically applied pulling force increases pulling capacity reducing operator fatigue
- Standard jaws adjust to accommodate different reach requirements. Optional long jaws sets available for additional reach requirements
- Designed for applications including pulling, pushing and dismantling gears, bearings, bushings, etc.



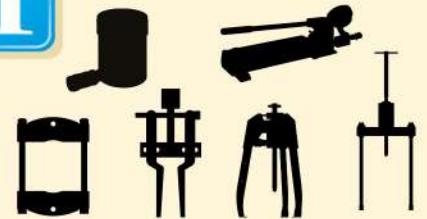
Dimensions

Dimensional information for all puller models is included in the dimensional overview table:

Page: 2



Sets Include:¹⁾



¹⁾ Choose pump options below.

▼ DIMENSIONAL DATA

Puller Capacity (ton)	Puller Only Model No.	Stroke (mm)	Dimensions (mm)		Wt. (kg)	Hydraulic Puller Sets					Long Jaw Sets Model No. ^{***}	Dimensions (mm)	
			Max. Reach A	Max. Spread B								Max. Reach A	Max. Spread B
						Hand Pump	Air Pump	Electric Pump	Cordless Pump				
13*	SGH14	25	320	350	25	MPS14H	MPS14A	MPS14E	MPS14C	*	SG1002K	400	405
22	SGH24	49	320	480	49	MPS24H	MPS24A	MPS24E	MPS24C	GA45GC	SG2002K	435	540
33	SGH36	64	410	650	75	MPS36H	MPS36A	MPS36E	MPS36C	&	SG3002K	525	720
45**	SGH64	76	700	980	165	MPS64H	MPS64A	MPS64E	MPS64C	HC7206C	SG6002K	850	1080

* 13 ton sets include an AR-630 female coupler, GA45 gauge adaptor, and G2535L gauge.

** Puller capacity at 540 bar, maximum cylinder capacity at 700 bar is 58 ton.

*** Jaw sets include three jaws.

For 115 V application add "B" suffix
For 230 V application add "C" suffix

▼ Shown: **GPS14H**



GPS Series

Puller Capacity:

13 - 45 ton

Maximum Reach:

320 - 700 mm

Maximum Spread:

350 - 980 mm

Maximum Operating Pressure:

700 bar

- Sync Grip mechanism synchronizes movement of all jaws for simultaneous engagement
- Hydraulically applied pulling force increases pulling capacity and reduces operator fatigue
- Threaded spindle and jaw indexes provide adjustable reach
- Three jaw configuration for even load distribution
- High strength forged jaws for superior reliability
- The versatile puller set facilitates safe and easy dismantling in a variety of applications



Dimensions

Dimensional information for all puller models is included in the dimensional overview table:

Page: **2**



Sets Include:¹⁾



¹⁾ Choose pump options below.

▼ DIMENSIONAL DATA

Puller Capacity (ton)	Puller Only Model No.	Stroke (mm)	Dimensions (mm)		Wt. (kg)	Hydraulic Puller Sets					Long Jaw Sets Model No. ^{***}	Dimensions (mm)	
			Max. Reach A	Max. Spread B		Hand Pump	Air Pump	Electric Pump	Cordless Pump	All Sets Include:		Max. Reach A	Max. Spread B
13*	SGH14	25	320	350	25	GPS14H	GPS14A	GPS14E	GPS14C	*	SG1002K	400	405
22	SGH24	49	320	480	49	GPS24H	GPS24A	GPS24E	GPS24C	GA45GC	SG2002K	435	540
33	SGH36	64	410	650	75	GPS36H	GPS36A	GPS36E	GPS36C	&	SG3002K	525	720
45**	SGH64	76	700	980	165	GPS64H	GPS64A	GPS64E	GPS64C	HC7206C	SG6002K	850	1080

* 13 ton sets include an AR-630 female coupler, GA45 gauge adaptor, and G2535L gauge.

** Puller capacity at 540 bar, maximum cylinder capacity at 700 bar is 58 ton.

*** Jaw sets include three jaws.

For 115 V application add "B" suffix
For 230 V application add "E" suffix

Cross Bearing Puller Sets

▼ Shown: Cross Bearing Puller Set BHP361G



- Precise hydraulic control allows fast, efficient and safe pulling
- High quality forged components provide superior reliability and service
- Quick set-up to tackle a variety of jobs

BHP Series

Puller Capacity:
6 - 22 ton

Maximum Reach:
357 - 864 mm

Maximum Spread:
260 - 580 mm

Maximum Operating Pressure:
350 bar



WARNING!

Enerpac cylinder and pump can be operated to 700 bar, but should not be operated past 350 when using the cross bearing puller set tools



Dimensions

Dimensional information for all puller models is included in the dimensional overview table:

Page: **3**



Sets Include:¹⁾



¹⁾ Choose pump options below.

▼ DIMENSIONAL DATA

Puller Capacity* (ton)	Cross Bearing Only Model No.	Stroke (mm)	Dimensions (mm)		Cross Bearing Puller Sets			
			Maximum Reach A	Maximum Spread B				
6	BHP1772	25	357	260	BHP162	BHP162A	BHP162E	BHP162C
11	BHP262	49	570	345	BHP261G	BHP261GA	BHP261GE	BHP261GC
16	BHP362	64	710	440	BHP361G	BHP361GA	BHP361GE	BHP361GC
22	BHP562	76	864	580	BHP561G	BHP561GA	BHP561GE	BHP561GC

* Cross Puller, Bearing Cup Puller and Bearing Separator rated at 50% of Grip Puller capacity.

For 115 V application add "B" suffix
For 230 V application add "E" suffix



SG-Series Sync Grip Pullers



The Industrial Tools Line

Cylinders and Lifting Products

- General Purpose
- Aluminum: Lock Nut, Solid, and Hollow Plunger
- Pancake, Low Height
- Pull
- Hollow Plunger
- Precision
- Long Stroke
- High Tonnage
- Jacks
- Level Lift System
- Pow'R-RISER® Lifting Jacks
- Pow'R-LOCK™ Lifting Jacks
- Extreme Environment Products

Pumps

- Manual
- Cordless and Electric Driven
- Compressed Air Driven
- Petrol Driven

System Components

- Hoses, Couplers, Oil
- Manifolds, Fittings
- Gauges, Adaptors

Valves

- 3-and 4-Way Directional
- Pressure and Flow Control

Presses

- H-Frame, Roll Frame
- C-Clamp and Arbor
- Tension Meters, Load Cells

Pullers

- Master Pullers Sets
- Multi Purpose Puller Sets
- Posi Lock® Pullers

Tools

- Maintenance Sets
- Punches
- Lifting Wedges
- Machine Lifts
- Load Skates
- Wedgies, Spreaders
- Cutters
- Pipe Benders

Bolting Tools

- Multipliers
- Torque Wrenches
- Impact Sockets
- Wrench and Tensioner Pumps
- Twin Safety Hoses
- Nut Cutters / Splitters
- Flange/Wedge Spreaders
- Flange Alignment Tools
- Flange Face Tools

Heavy Lifting Technology

- Synchronized Lifting Systems
- Jack-Up Systems
- Bridge Launching Systems
- Synchronized Hoisting Systems
- Hydraulic Gantries
- Heavy Lifting Strand Jacks
- Skidding Systems
- Self-Erecting Towers
- Self-Propelled Modular Transporter
- Chain Pulling Systems

Enerpac Worldwide Locations

For a complete list of addresses see:
www.enerpac.com/en-us/enerpac-locations

About Enerpac

Enerpac is the leading global provider of high-pressure hydraulic tools and solutions with a broad range of products, local expertise and worldwide distribution network. With a proven track record in a wide range of markets, Enerpac designs and manufactures high-quality tools and solutions for all industrial applications.

Enerpac has gained unique experience in delivering hydraulic solutions for the controlled movement and positioning of heavy objects. Enerpac supports your business by offering the right solutions and service to help you get your work done efficiently and safely.



www.enerpac.com for latest Enerpac information

- New products
- Trade shows
- Manuals (instruction and repair sheets)
- Nearest Distributors and Service Centers
- Enerpac products in action



Enerpac catalogs/brochures to meet your needs:

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Enerpac Bolting Vans

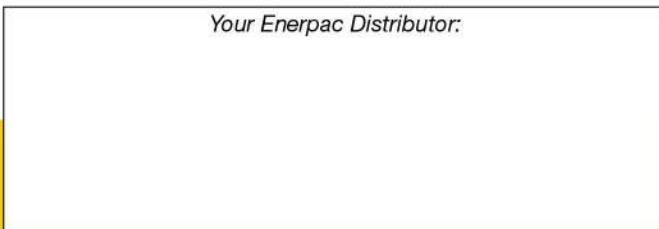
- Demonstrate Enerpac Bolting Tools on your premises
- Calibrate all Bolting Tool brands
- Training for the safe and efficient use of Bolting Tools



Enerpac Academy

Enerpac Academy is our in-house training center, set up exclusively for Enerpac business partners, Enerpac users and Enerpac employees: training programs ranging from tool expertise, repairs and maintenance, to safe operation of high-pressure hydraulic tools.

Your Enerpac Distributor:



www.enerpac.com

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