

SG-SERIES Sync Grip Pullers

A NEW LINE OF PULLERS TO MAKE YOUR JOB EASIER AND SAFER



ENERPAC 

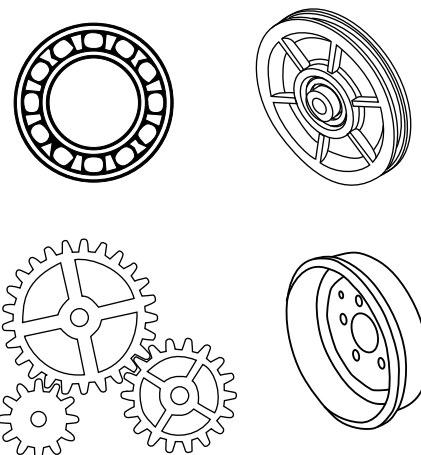
OVERVIEW

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.

▼ DIMENSIONAL DATA

Puller Capacity (ton)	Puller Model No.	Sync Grip Pullers Dimensions (in)								Wt.*** (lbs)
		Standard Reach Jaws		Optional Extended Reach Jaws		Jaw Tip			Jaw Hole Spacing	
		Max. Reach	Max. Spread	Max. Reach	Max. Spread	Height	Width	Thickness	(in)	
		A	B	A	B	D	E	F		
Mechanical Pullers										
1	SGM01*	4.13	4.33	—	—	0.31	0.28	0.30	0.75	1.8
4	SGM04*	7.28	6.89	—	—	0.30	0.31	0.83	2.01	4.4
7	SGM07*	8.86	9.45	—	—	0.39	0.31	0.98	1.75	14.3
10	SGM10*	16.14	13.78	19.29	15.94	0.49	0.59	0.98	3.27	32.0
20	SGM20	23.62	26.77	25.20	28.35	0.87	0.94	1.61	4.92	122.3
Hydraulic Pullers										
14	SGH14*	12.60	13.78	15.75	15.94	0.49	0.59	0.98	3.27	55.1
24	SGH24	12.60	18.90	17.13	21.26	0.61	0.69	1.22	4.53	108.0
36	SGH36	16.14	25.59	20.67	28.35	0.87	0.94	1.61	4.92	165.3
50**	SGH64	27.56	38.58	33.46	42.52	1.18	1.06	1.97	5.91	363.7

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

** Puller capacity at 7,850 psi, maximum cylinder capacity @ 10,000 psi is 64.6 tons.

*** With standard legs and cylinder for hydraulic models



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.



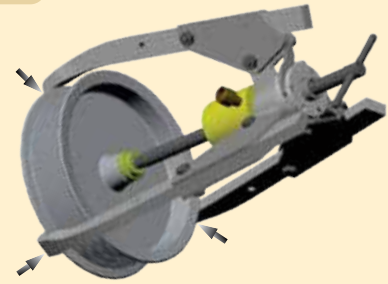
Detachable Hollow Cylinder: provided with all hydraulic puller models including both the standard Sync Grip and Cross Puller.



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.

▼ DIMENSIONAL DATA

Cross Puller Dimensions (in)			Wt.**
Standard Leg Height	Long Leg Height	Maximum Spread	(lbs)
A	A	B	
Mechanical Pullers			
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
—	—	—	—
Hydraulic Pullers			
4.17	14.06	10.24	40.77
4.53	22.44	13.58	76.04
8.07	27.95	17.32	123.42
23.97	34.01	22.83	250.15

Bearing Separator Dims. (in)				Wt.
Dia.	Spread Range		Thread Size	(lbs)
A	Min. Spread	Max. Spread	C	
Mechanical Pullers				
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
Hydraulic Pullers				
4.33	0.39	4.33	5/8" - 18 UNF	6.0
6.10	0.47	5.28	5/8" - 18 UNF	12.6
10.24	0.67	9.84	1" - 14 UNS	62.8
10.24	0.67	9.84	1-1/4" - 12 UNF	62.8

Bearing Cup Dimensions (in)							Wt.
Spread Range				Jaw Tip			(lbs)
Height	Height	Min. Spread	Max. Spread	Height	Width	Thickness	
A	B	C	C	D	E	F	
Mechanical Pullers							
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
Hydraulic Pullers							
4.53	9.33	1.57	5.71	0.20	0.18	1.22	4.41
5.51	10.47	1.26	6.30	0.18	0.18	0.98	5.29
5.91	12.20	2.36	9.45	0.31	0.43	2.17	13.22
5.91	12.20	2.36	9.45	0.31	0.43	2.17	14.11

** With cylinder and standard legs

▼ Shown: **SGM10 with three jaws**



SGM Series

Puller Capacity:

1-20 tons

Maximum Reach:

4.1-23.6 inches

Maximum Spread:

4.3-26.8 inches

- 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



Dimensions

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

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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 (in)		Weight (lbs)	Long Jaw Sets Model No.*	Dimensions (in)	
		Max. Reach A	Max. Spread B			Max. Reach A	Max. Spread B
1	SGM01	4.13	4.33	1.8	—	—	—
4	SGM04	7.28	6.89	4.4	—	—	—
7	SGM07	8.86	9.45	14.3	—	—	—
10	SGM10	16.14	13.78	32.0	SG1002K	19.29	15.94
20	SGM20	23.62	26.77	122.3	SG3002K	25.20	28.35

* Jaw sets include three jaws.

Hydraulic Sync Grip Master Puller Sets

▼ Shown: **MPS14H**



MPS Series

Puller Capacity:

14-50 tons

Maximum Reach:

12.6-27.6 inches

Maximum Spread:

13.8-38.6 inches

Maximum Operating Pressure:

10,000 psi

- 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 jaw sets available for additional reach requirements
- Designed for applications including pulling, pushing and dismounting gears, bearings, bushings, etc.



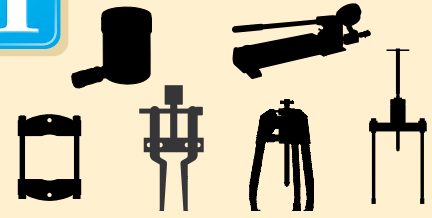
Dimensions

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)	Model No. (Puller and Cylinder)	Stroke (in)	Dimensions (in)		Wt. (lbs)	Hydraulic Puller Sets					Long Jaw Sets Model No. ^{***}	Dimensions (in)	
			Max. Reach A	Max. Spread B		Hand Pump	Air Pump	Electric Pump	Cordless Pump	All Sets Include:		Max. Reach A	Max. Spread B
14	SGH14	1.0	12.60	13.78	55.1	MPS14H	MPS14A	MPS14EB	MPS14CB	*	SG1002K	15.75	15.94
24	SGH24	2.0	12.60	18.90	108.0	MPS24H	MPS24A	MPS24EB	MPS24CB	GA45GC	SG2002K	17.13	21.26
36	SGH36	2.5	16.14	25.59	165.3	MPS36H	MPS36A	MPS36EB	MPS36CB	&	SG3002K	20.67	28.35
50**	SGH64	3.0	27.56	38.58	363.7	MPS64H	MPS64A	MPS64EB	MPS64CB	HC7206C	SG6002K	33.46	42.52

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

** Puller capacity at 7,850 psi, maximum cylinder capacity @ 10,000 psi is 64.6 tons.

*** Jaw sets include three jaws.

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

▼ Shown: GPS14H



GPS Series

Puller Capacity:

14-50 tons

Maximum Reach:

12.6-27.6 inches

Maximum Spread:

13.8-38.6 inches

Maximum Operating Pressure:

10,000 psi

- 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)	Model No. (Puller and Cylinder)	Stroke (in)	Dimensions (in)		Wt. (lbs)	Hydraulic Puller Sets					Long Jaw Sets Model No. ^{***}	Dimensions (in)	
			Max. Reach A	Max. Spread B		Hand Pump	Air Pump	Electric Pump	Cordless Pump	All Sets Include:		Max. Reach A	Max. Spread B
14	SGH14	1.0	12.60	13.78	55.1	GPS14H	GPS14A	GPS14EB	GPS14CB	*	SG1002K	15.75	15.94
24	SGH24	2.0	12.60	18.90	108.0	GPS24H	GPS24A	GPS24EB	GPS24CB	GA45GC	SG2002K	17.13	21.26
36	SGH36	2.5	16.14	25.59	165.3	GPS36H	GPS36A	GPS36EB	GPS36CB	&	SG3002K	20.67	28.35
50**	SGH64	3.0	27.56	38.58	363.7	GPS64H	GPS64A	GPS64EB	GPS64CB	HC7206C	SG6002K	33.46	42.52

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

** Puller capacity at 7,850 psi, maximum cylinder capacity @ 10,000 psi is 64.6 tons.

*** 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:
7-25 tons

Maximum Reach:
14.1-34 inches

Maximum Spread:
10.2-22.8 inches

Maximum Operating Pressure:
10,000 psi



WARNING!
Enerpac cylinder and pump can be operated to 10,150 psi, but should not be operated past 5,075 psi when using the cross bearing puller set tools.



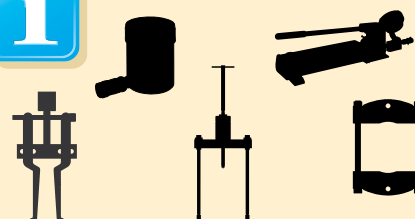
Dimensions

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)	Cross-Bearing Only Model No.	Stroke (in)	Dimensions (in)		Cross Bearing Puller Sets			
			Maximum Reach A	Maximum Spread B	Hand Pump	Air Pump	Electric Pump	Cordless Pump
7	BHP1772	1.0	14.06	10.24	BHP162	BHP162A	BHP162EB	BHP162CB
12	BHP262	2.0	22.44	13.58	BHP261G	BHP261GA	BHP261GEB	BHP261GCB
18	BHP362	2.5	27.95	17.32	BHP361G	BHP361GA	BHP361GEB	BHP361GCB
25	BHP562	3.0	34.01	22.83	BHP561G	BHP561GA	BHP561GEB	BHP561GCB

* 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



PULLING SOLUTIONS

Enerpac's comprehensive range of pullers equips you with the ideal pulling solution for every job: from the economical yet versatile BHP-Series, to the self-aligning SG-Series, the highly efficient LG-Series and the powerful 100-ton EPH-Series. Enerpac offers solutions for all your pulling needs from a single source.

BHP-Series Pullers



Multi-Purpose Sets



Grip Puller Sets



Cross-Bearing Puller Sets



Bearing Cup Pullers

SG-Series Pullers



SGM-Series Pullers



SGH-Series Pullers



Hydraulic Puller Sets



Hydraulic Master Puller Sets

LG-Series Pullers



LGM-Series Pullers



LGH-Series Pullers



Hydraulic Puller Sets



Hydraulic Master Puller Sets

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