

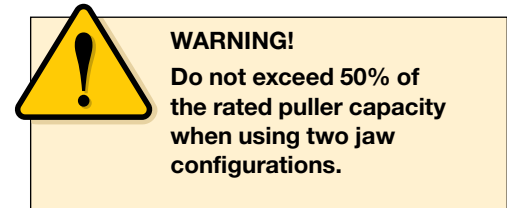
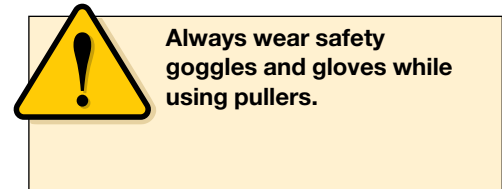
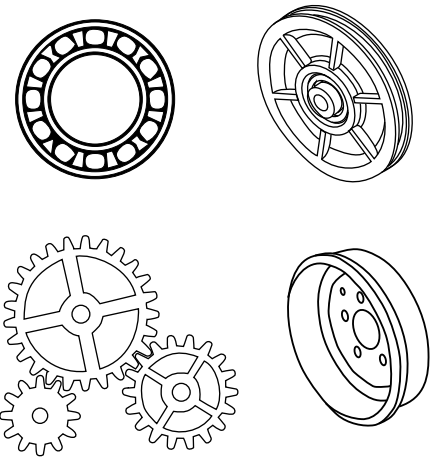
## OVERVIEW

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.



### ▼ 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 (in)	
		Max. Reach A	Max. Spread B	Max. Reach A	Max. Spread B	Height D	Width E	Thickness F		
<b>Mechanical Pullers</b>										
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
<b>Hydraulic Pullers</b>										
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
100	SGH100	39.37	63.00	—	—	1.79	1.94	2.76	9.84	842

\* 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.



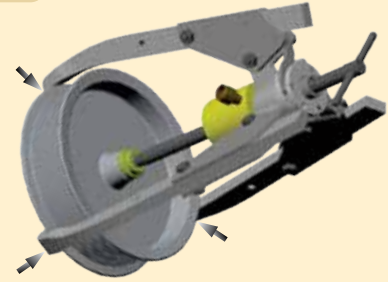
Detachable Hollow Cylinder: provided with all hydraulic puller models including both the standard Sync Grip and Cross Puller.



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.**	Bearing Separator Dims. (in)				Wt.	Bearing Cup Dimensions (in)							Wt.	
Standard Leg Height	Long Leg Height	Maximum Spread			Dia.	Spread Range		Thread Size		Spread Range				Jaw Tip				
A	A	B	(lbs)		A	Min. Spread	Max. Spread	C	(lbs)	Height	Height	Min. Spread	Max. Spread	Height	Width	Thickness	(lbs)	
A	A	B	(lbs)		A	B	B	C	(lbs)	A	B	C	C	D	E	F	(lbs)	
<b>Mechanical Pullers</b>					<b>Mechanical Pullers</b>					<b>Mechanical Pullers</b>								
—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—
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—	—	—	—		—	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Hydraulic Pullers</b>					<b>Hydraulic Pullers</b>					<b>Hydraulic Pullers</b>								
4.17	14.06	10.24	40.77		4.33	0.39	4.33	5/8" - 18 UNF	6.0	4.53	9.33	1.57	5.71	0.20	0.18	1.22	4.41	
4.53	22.44	13.58	76.04		6.10	0.47	5.28	5/8" - 18 UNF	12.6	5.51	10.47	1.26	6.30	0.18	0.18	0.98	5.29	
8.07	27.95	17.32	123.42		10.24	0.67	9.84	1" - 14 UNS	62.8	5.91	12.20	2.36	9.45	0.31	0.43	2.17	13.22	
23.97	34.01	22.83	250.15		10.24	0.67	9.84	1-1/4" - 12 UNF	62.8	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**



## SGH, 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 dismantling gears, bearings, bushings, etc.



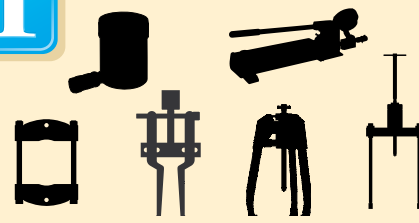
### Dimensions

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

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### Sets Include:<sup>1)</sup>



<sup>1)</sup> 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. <sup>***</sup>	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	MPS14E	MPS14C	*	SG1002K	15.75	15.94
24	SGH24	2.0	12.60	18.90	108.0	MPS24H	MPS24A	MPS24E	MPS24C	GA45GC	SG2002K	17.13	21.26
36	SGH36	2.5	16.14	25.59	165.3	MPS36H	MPS36A	MPS36E	MPS36C	&	SG3002K	20.67	28.35
50**	SGH64	3.0	27.56	38.58	363.7	MPS64H	MPS64A	MPS64E	MPS64C	HC7206C	SG6002K	33.46	42.52

\* 14-ton sets include an AR630 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**



## SGH, GPS Series

Puller Capacity:

**14 - 100 tons**

Maximum Reach:

**12.6 - 39.4 inches**

Maximum Spread:

**13.8 - 63.0 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



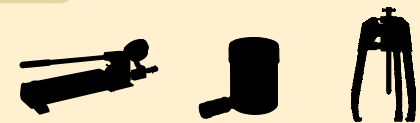
### Dimensions

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

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### Sets Include:<sup>1)</sup>



<sup>1)</sup> 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. <sup>***</sup>	Dimensions (in)	
			Max. Reach A	Max. Spread B								Max. Reach A	Max. Spread B
14	SGH14	1.0	12.60	13.78	55.1	GPS14H	GPS14A	GPS14E	GPS14C	*	SG1002K	15.75	15.94
24	SGH24	2.0	12.60	18.90	108.0	GPS24H	GPS24A	GPS24EE	GPS24CC	GA45GC	SG2002K	17.13	21.26
36	SGH36	2.5	16.14	25.59	165.3	GPS36H	GPS36A	GPS36E	GPS36C	&	SG3002K	20.67	28.35
50**	SGH64	3.0	27.56	38.58	363.7	GPS64H	GPS64A	GPS64E	GPS64C	HC7206C	SG6002K	33.46	42.52
100	SGH100	3.0	39.37	63.00	842.0	—	—	GPS100E	—	HC7206C	—	—	—

\* 14-ton sets include an AR630 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