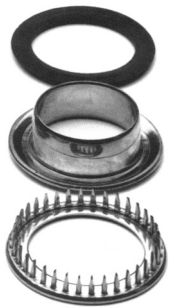


Super Ring Sets

Rutgerson Super Ring Sets

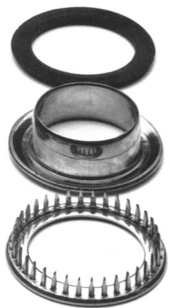


High quality stainless steel and large gripping teeth that actually go through the cloth (not just the surface) make these Super Rings the best press-ring on the market. They are also fully removable saving time and labor on adjustments and re-cuts.

PART	DESCRIPTION	SIZE	QTY/PKG	ORDER BY
GSR10	Super Ring Set	10 mm	100	Complete Sets
GSR12	Super Ring Set	12 mm	100	Complete Sets
GSR14	Super Ring Set	14 mm	100	Complete Sets
GSR20	Super Ring Set	20 mm	100	Complete Sets
GSR20LD	Light Duty Super Ring Set	20 mm	100	Complete Sets
GSR25	Super Ring Set	25 mm	100	Complete Sets
GSR25LD	Light Duty Super Ring Set	25 mm	100	Complete Sets
GSR25SLD	Super Lt Duty Super Ring Set	25 mm	100	Complete Sets
GSR35	Super Ring Set	35 mm	100	Complete Sets
GSR45	Super Ring Set	45 mm	50	Complete Sets
GSR55	Super Ring Set	55 mm	50	Complete Sets

See pg 76 for metric Arch hole cutters, pg 80 for installation dies and pg 81 for removal dies.

Rutgerson Carbon Super Ring Sets



Identical to the original Super Rings (listed above) except these rings are made of a special type of steel that resists corrosion due to electrolysis. This makes them the perfect choice for carbon fiber sails.

PART	DESCRIPTION	SIZE	QTY/PKG	ORDER BY
GSR20-C	Carbon Ring Set	20 mm	50	Complete Sets
GSR25-C	Carbon Ring Set	25 mm	50	Complete Sets
GSR35-C	Carbon Ring Set	35 mm	50	Complete Sets
GSR45-C	Carbon Ring Set	45 mm	50	Complete Sets

SUPER RING DIE SETTING COMPATIBILITY

Part	Ring Size	Hole Cutter	Press Force	Aprx Max Load	Patch Weight
GSR10	10 mm	GAH10	Hand	150 – 250 kg	25 – 35 oz
GSR12	12 mm	GAH12	Hand	300 – 350 kg	25 – 35 oz
GSR14	14 mm	GAH14	3 – 5 Tons/Hand	350 – 500 kg	25 – 40 oz
GSR20(C)	20 mm	GAH20	11 – 13 Tons	700 – 1500 kg	40 – 70 oz
GSR20LD	20 mm	GAH20	8 – 10 Tons	600 – 1125 kg	30 – 70 oz
GSR25(C)	25 mm	GAH25	15 Tons	1000 – 1600 kg	50 – 70 oz
GSR25LD	25 mm	GAH25	11 – 13 Tons	750 – 1300 kg	50 – 70 oz
GSR25SLD	25 mm	GAH25	4 – 6 Tons	500 – 800 kg	10 – 30 oz
GSR35(C)	35 mm	GAH35	22 Tons	1455 – 2045 kg	70 – 90 oz
GSR45(C)	45 mm	GAH45	25 Tons	2000 – 2500 kg	80 – 100 oz
GSR55	55 mm	GAH55	25 Tons – 1st 30 Tons – 2nd	2800 – 3200 kg	80 – 100 oz

Super Ring Parts

Rutgerson Super Ring Replacement Parts

Each Super Rings is made up of three components: the liner/grommet, a plastic insert, and the toothed ring/washer. Order individual components when you need to replace a missing piece from your inventory.

PART	DESCRIPTION	SIZE	ORDER BY
GSR10L	Super Ring Liner/Grommet	10 mm	Each
GSR10P	Super Ring Plastic Insert	10 mm	Each
GSR10T	Super Ring Toothed Ring/Washer	10 mm	Each
<hr/>			
GSR12L	Super Ring Liner/Grommet	12 mm	Each
GSR12P	Super Ring Plastic Insert	12 mm	Each
GSR12T	Super Ring Toothed Ring/Washer	12 mm	Each
<hr/>			
GSR14L	Super Ring Liner/Grommet	14 mm	Each
GSR14P	Super Ring Plastic Insert	14 mm	Each
GSR14T	Super Ring Toothed Ring/Washer	14 mm	Each
<hr/>			
GSR20L	Super Ring Liner/Grommet	20 mm	Each
GSR20P	Super Ring Plastic Insert	20 mm	Each
GSR20T	Super Ring Toothed Ring/Washer	20 mm	Each
<hr/>			
GSR25L	Super Ring Liner/Grommet	25 mm	Each
GSR25P	Super Ring Plastic Insert	25 mm	Each
GSR25T	Super Ring Toothed Ring/Washer	25 mm	Each
<hr/>			
GSR35L	Super Ring Liner/Grommet	35 mm	Each
GSR35P	Super Ring Plastic Insert	35 mm	Each
GSR35T	Super Ring Toothed Ring/Washer	35 mm	Each
<hr/>			
GSR45L	Super Ring Liner/Grommet	45 mm	Each
GSR45P	Super Ring Plastic Insert	45 mm	Each
GSR45T	Super Ring Toothed Ring/Washer	45 mm	Each
<hr/>			
GSR55L	Super Ring Liner/Grommet	55 mm	Each
GSR55P	Super Ring Plastic Insert	55 mm	Each
GSR55T	Super Ring Toothed Ring/Washer	55 mm	Each



PLASTIC INSERT



LINER / GROMMET



TOOTHED RING / WASHER

RUTGERSON

CHALLENGE SAILCLOTH WEST (COSTA MESA, CA)

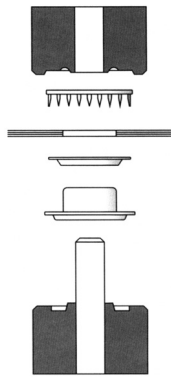
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**CHALLENGE
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Super Ring Closing Dies

Rutgerson Super Ring Closing Dies & Replacement Parts

High quality precision machined dies make installation a breeze. See chart (pg 76) for approximate die force to adequately close rings. For dies to work properly they must be set on a square and level surface on press. Closing on uneven surfaces may result in incomplete or improper setting and excessive wear on dies. Sometimes even high-quality dies wear-out do to normal usage. Often only one component is the problem. We also offer a full line of individual replacement parts (listed below).



DIE TOP



DIE PIN



DIE BOTTOM

PART	DESCRIPTION	FITS RING	ORDER BY
Complete Closing Dies			
GSRT10	Super Ring Closing Die Hand Tool Set	10 mm	Complete Sets
GSRT12	Super Ring Closing Die Hand Tool Set	12 mm	Complete Sets
GSRT14	Super Ring Closing Die Hand Tool Set	14 mm	Complete Sets
GSRT20	Super Ring Closing Die Press Tool Set	20 mm	Complete Sets
GSRT25	Super Ring Closing Die Press Tool Set	25 mm	Complete Sets
GSRT35	Super Ring Closing Die Press Tool Set	35 mm	Complete Sets
GSRT45	Super Ring Closing Die Press Tool Set	45 mm	Complete Sets
GSRT55	Super Ring Closing Die Press Tool Set	55 mm	Complete Sets
Replacement Parts			
GSRT10T	Super Ring Closing Die Top	10 mm	Each
GSRT10H	Super Ring Closing Die Handle	10 mm	Each
GSRT10B	Super Ring Closing Die Bottom	10 mm	Each
GSRT12T	Super Ring Closing Die Top	12 mm	Each
GSRT12H	Super Ring Closing Die Handle	12 mm	Each
GSRT12B	Super Ring Closing Die Bottom	12 mm	Each
GSRT14T	Super Ring Closing Die Top	14 mm	Each
GSRT14P	Super Ring Closing Die Pin	14 mm	Each
GSRT14B	Super Ring Closing Die Bottom	14 mm	Each
GSRT20T	Super Ring Closing Die Top	20 mm	Each
GSRT20P	Super Ring Closing Die Pin	20 mm	Each
GSRT20B	Super Ring Closing Die Bottom	20 mm	Each
GSRT25T	Super Ring Closing Die Top	25 mm	Each
GSRT25P	Super Ring Closing Die Pin	25 mm	Each
GSRT25B	Super Ring Closing Die Bottom	25 mm	Each
GSRT35T	Super Ring Closing Die Top	35 mm	Each
GSRT35P	Super Ring Closing Die Pin	35 mm	Each
GSRT35B	Super Ring Closing Die Bottom	35 mm	Each
GSRT45T	Super Ring Closing Die Top	45 mm	Each
GSRT45P	Super Ring Closing Die Pin	45 mm	Each
GSRT45B	Super Ring Closing Die Bottom	45 mm	Each
GSRT55T1	Super Ring Closing Die Top (Step 1)	55 mm	Each
GSRT55T2	Super Ring Closing Die Top (Step 2)	55 mm	Each
GSRT55P	Super Ring Closing Die Pin	55 mm	Each
GSRT55B	Super Ring Closing Die Bottom	55 mm	Each

Super Ring Remover Tools

Rutgerson Super Ring Remover Tools & Replacement Parts

Another great feature of Rutgerson Super rings is that they are completely removable. Use these removing die sets to reverse or push-out a previously set ring. Saves time plus makes many re-cuts or repairs cleaner and easier. Sometimes even high-quality dies wear-out do to normal usage. Often only one component is the problem. We also offer a full line of individual replacement parts (listed below).

PART	DESCRIPTION	FITS RING	ORDER BY
Complete Remover Tools			
GSRP14	Super Ring Remover Tool Set	14 mm	Complete Sets
GSRP20	Super Ring Remover Tool Set	20 mm	Complete Sets
GSRP25	Super Ring Remover Tool Set	25 mm	Complete Sets
GSRP35	Super Ring Remover Tool Set	35 mm	Complete Sets
GSRP45	Super Ring Remover Tool Set	45 mm	Complete Sets
GSRP55	Super Ring Remover Tool Set	55 mm	Complete Sets

Replacement Parts

GSRP14C	Super Ring Remover Die Cutter	14 mm	Each
GSRP14P	Super Ring Remover Die Pin	14 mm	Each
GSRP14B	Super Ring Remover Die Bottom	14 mm	Each
GSRP14S	Super Ring Remover Die Support	14 mm	Each
GSRP20C	Super Ring Remover Die Cutter	20 mm	Each
GSRP20P	Super Ring Remover Die Pin	20 mm	Each
GSRP20B	Super Ring Remover Die Bottom	20 mm	Each
GSRP20S	Super Ring Remover Die Support	20 mm	Each
GSRP25C	Super Ring Remover Die Cutter	25 mm	Each
GSRP25P	Super Ring Remover Die Pin	25 mm	Each
GSRP25B	Super Ring Remover Die Bottom	25 mm	Each
GSRP25S	Super Ring Remover Die Support	25 mm	Each
GSRP35C	Super Ring Remover Die Cutter	35 mm	Each
GSRP35P	Super Ring Remover Die Pin	35 mm	Each
GSRP35B	Super Ring Remover Die Bottom	35 mm	Each
GSRP35S	Super Ring Remover Die Support	35 mm	Each
GSRP45C	Super Ring Remover Die Cutter	45 mm	Each
GSRP45P	Super Ring Remover Die Pin	45 mm	Each
GSRP45B	Super Ring Remover Die Bottom	45 mm	Each
GSRP45S	Super Ring Remover Die Support	45 mm	Each
GSRP55C	Super Ring Remover Die Cutter	55 mm	Each
GSRP55P	Super Ring Remover Die Pin	55 mm	Each
GSRP55B	Super Ring Remover Die Bottom	55 mm	Each
GSRP55S	Super Ring Remover Die Support	55 mm	Each



DIE CUTTER



DIE PIN



DIE BOTTOM



DIE SUPPORT

RUTGERSON

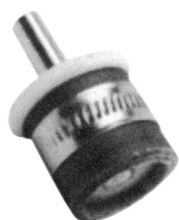
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**CHALLENGE
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Super Ring Accessories

Rutgerson Pressing Die Polishing Tools



PART	DESCRIPTION	FITS RING	ORDER BY
GSRTP10	Pressing Die Polishing Tool	10 mm	Sets
GSRTP12	Pressing Die Polishing Tool	12 mm	Sets
GSRTP14	Pressing Die Polishing Tool	14 mm	Sets
GSRTP20	Pressing Die Polishing Tool	20 mm	Sets
GSRTP25	Pressing Die Polishing Tool	25 mm	Sets
GSRTP35	Pressing Die Polishing Tool	35 mm	Sets
GSRTP45	Pressing Die Polishing Tool	45 mm	Sets
GSRTP55	Pressing Die Polishing Tool	45 mm	Sets

Rutgerson Integral Outhaul Slug Slides

These press rings integrate a Rutgerson Super Ring with large outhaul slug-slide for a strong, time saving, clew ring installation.



PART	DESCRIPTION	FITS RING	FITS SLUG	ORDER BY
GA1207	Integral Outhaul Slug Slides	GSR14	7 mm	Each
GA1407	Integral Outhaul Slug Slides	GSR20	7 mm	Each
GA1409	Integral Outhaul Slug Slides	GSR20	9 mm	Each
GA1412	Integral Outhaul Slug Slides	GSR20	12 mm	Each
GA1609	Integral Outhaul Slug Slides	GSR25	9 mm	Each
GA1612	Integral Outhaul Slug Slides	GSR25	12 mm	Each

Rutgerson Super Ring D-Ring Attachments

These Rutgerson Super Rings with attached D-Rings have a number of great uses for those who think outside the box. They can be used as a means of attaching blocks for single line reefing, or adding extra strong corners to boat covers or canopies.



PART	DESCRIPTION	SIZE	FITS RING	ORDER BY
GA14151	Super Ring D-Ring Attachment	5 mm	GSR20	Each
GA14127	Super Ring D-Ring Attachment	6 mm	GSR20	Each
GA16151	Super Ring D-Ring Attachment	5 mm	GSR25	Each
GA16127	Super Ring D-Ring Attachment	6 mm	GSR25	Each

Rutgerson Super Ring Spinnaker Swivel Attachments

These attachments integrate a stainless steel spinnaker swivel with a Rutgerson Super Ring providing an excellent solution for traditional or older boats that do not have swivels on their halyards.



PART	DESCRIPTION	FITS RING	ORDER BY
GA1225	Super Ring Spinnaker Swivel Attachment	GSR14	Each
GA1425	Super Ring Spinnaker Swivel Attachment	GSR20	Each
GA1625	Super Ring Spinnaker Swivel Attachment	GSR25	Each