

# SUNSTAR®

QUALITY. DURABILITY. PRICE. SINCE 1946.

SPROCKET & CHAIN  
2011 COLLECTION

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# MX/OFF ROAD HIGH-PERFORMANCE CHAIN MODELS MXR1 & XTG

## 520MXR1



Sunstar's 520MXR1 Works MX/Off-Road chain is a premium non-sealed chain specifically designed for Motocross and/or Off-Road racing. Featuring Sunstar's oversized TripleStar treated ultra hard pins and 100% heat treated components, the MXR1 chain is constructed to handle the demands of the highest level of racing. This is also one of the lightest MX chains on the market, with the 520MXR1 coming in at 3.6 lbs per 120 links. Its combination of strength, durability and light weight make it the top choice for serious racers.

## 520XTG



The Works 520XTG ATV/Off-Road TripleGuard sealed ring (TG-ring) high performance chain is an excellent choice for the most extreme off road conditions encountered in ATV and/or Off-Road motorcycle racing. It's TG-ring design utilizes 3 sealing lips and lubrication pools per side, completely guarding the critical areas of the chain from mud, sand and dirt and keeping it well lubricated at all times. This sealed ring type prevents the loss of lubricant, maintaining high performance in extreme heat or other adverse course conditions.



# MX/OFF ROAD HEAVY-DUTY CHAIN MODELS HDN & SSR

## 520HDN



For an economical, heavy duty non-sealed motorcycle chain, look no further than Sunstar's 520HDN model. This cost effective OEM replacement does not compromise in performance or strength with a tensile strength rating of 7,850 lbs.

The 520HDN makes for a great high quality non o-ring chain for any motorcycle up to 250cc.

## 520SSR



Sunstar's 520SSR (standard sealed o-ring) is an extremely strong option for an o-ring chain with a 7,670 lb tensile strength rating and seamless roller and bushing construction. For this great, versatile sealed ring chain, Sunstar uses only the most durable and longest lasting o-rings available, while using special heat treated alloy steel for it's construction. The SSR's o-rings keep the chain well lubricated, resulting in less friction and consistent power transfer on any motorcycle 400cc or less.



# STREET/ROADRACING HIGH-PERFORMANCE TO HEAVY DUTY RTG1 & RDG

## 520/530RTG1



Sunstar's RTG1 is the premium road racing/highest performance chain in our lineup. It features our TripleGuard sealed ring technology, using 3 sealing lips and lubrication pools per side to maintain top performance in the extremely hot conditions experienced in performance use. The 520 version is the perfect choice for any sport street or race bike using a 520 pitch chain while the 530RTG1 is designed for that larger displacement, high performance machine like the Suzuki Hayabusa and/or Kawasaki ZX-14R for example.

## 520/525/530RDG



Sunstar's heavy duty, street motorcycle chain model, the RDG, is a DualGuard sealed ring street bike chain where the sealing ring has an 'X' shape - meaning there are two sealing points and lubrication pools versus a single type design. This sealed ring design achieves lower friction and longer life and it is available for almost every street motorcycle on today's market. For a high performance road chain at a non-premium price, the Sunstar RDG answers the bell.



# CHAIN SPECIFICATIONS

## MX/OFF-ROAD / ATV / STREET

Model	Recommended Uses	Color	Ring Type	Master Link Type	Tensile Strength (lbs)	Weight (lbs per 100 links)	Pin Length (mm)	Max cc Off-Road/Street
<b>HEAVY DUTY</b>								
520HDN	Off-Rd / MX	N	None	Clip	7850	3.15	18.15	250 / NA
520SSR	ATV, Off-Rd / MX, Street	N	O-ring	Clip	7670	4.08	19.90	400 / 400
520RDG	Street	N	DG	Rivet	8490	3.36	19.90	750 / 750
525RDG	Street	N	DG	Rivet	8820	4.30	22.85	750 / 900
530RDG	Street	N	DG	Rivet	9480	4.48	24.90	750 / 1000
<b>WORKS</b>								
420MXR	Off-Rd / MX	G	None	Clip	4980	1.76	15.70	150 / 150
428MXR	Off-Rd / MX	G	None	Clip	5780	2.13	17.60	150 / 250
520MXRI	Off-Rd / MX	G	None	Clip	8970	2.99	17.70	500 / NA
520XTG	ATV, Off-Rd / MX	G	TG	Clip	8460	3.36	20.80	750 / 400
520RTGI	Street	G	TG	Rivet	9270	3.75	22.85	750 / 1000
530RTGI	Street	G	TG	Rivet	9900	4.63	24.90	900 / 1400

Color: N - Natural | G - Gold / Ring Type: DG - DualGuard | TG - TripleGuard

### SUNSTAR MANUFACTURER RECOMMENDATIONS

All chains should be installed by a certified mechanic, using the proper installation tools. Chain adjustment should be per the motorcycle manufacturer's owner's manual.

Always check sprocket alignment when installing new drive components and during routine maintenance and adjustment; mis-aligned sprockets are detrimental in reducing the life of the entire drive system.

It is recommended to replace your chain with the same size and type of chain that originally came on the motorcycle.

Avoid using volatile solvents such as gasoline, thinners and/or benzine - It is best to consult with your local dealer before using cleaners or lubes.

For best results and life, replace chain and sprockets together with Sunstar brand components.

# SPROCKET OVERVIEW

## ALUMINUM RACING RANGE

For over 30 years now Sunstar has supplied the U.S. and Canadian markets with the highest quality products available, this also includes the racing aftermarket segment with our Works Triplestar Aluminum rear sprockets. Available for all racing applications - Mini, ATV, Off Road, MX and Street - Sunstar's Works Triplestar line offers the longest lasting aluminum rear sprockets available.

Constructed of high quality aerospace grade 7075-T6 aluminum material | Computer designed weight reduction holes for lightness and stability | Exclusive tooth-valley design that provides up to 50% more chain contact area than other aluminum sprocket brands | Hard anodized coating provides added durability and a superb finish | New for 2011 is a Black Anodized color option for 125cc and up MX applications

Works Triplestar Aluminum - Black Anodized | Works Triplestar Aluminum | Works Street | Works ATV



# SPROCKET OVERVIEW

## STEEL RANGE

Sunstar has been the world's leading sprocket supplier to the Japanese OEM's since 1946, thus offering the deepest range of replacement sprockets in the steel range. From long lasting, OEM replacement steel front and rear sprockets to the exclusive stainless steel Works Z rear off road sprocket, if its durability and reliability that you're seeking in a sprocket, look no further than the Sunstar brand.

Works-Z Stainless Steel | PowerDrive Countershaft | Standard Steel

### POWERDRIVE COUNTERSHAFT SPROCKETS

Constructed of case hardened, chromoly steel | Parkerized surface treatment for rust and corrosion resistance

### STANDARD STEEL REAR SPROCKETS

Constructed of 1045 high carbon steel with an exclusive heat treatment for added strength and durability | Exclusive surface treatment technology for increased rust and corrosion resistance

### WORKS-Z STAINLESS STEEL OFF-RD REAR SPROCKETS

Made from 100% heat treated stainless steel | Unique off-set tooth design that enables a 'self cleaning' of the chain and sprocket, extending the life of the entire drive system | Nearly 50% lighter in weight than standard steel, yet 5 times the hardness and up to 8 times the overall product life of aluminum | Available for 125cc + off-road applications





ASK YOUR DEALER ABOUT SUNSTAR BRAND CHAINS & SPROCKETS

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