

## Long Life SBR Series

BS STANDARD ROLLER CHAINS  
ANSI STANDARD ROLLER CHAINS  
STRAIGHT SIDBAR CHAINS  
HEAVY-SERIES ROLLER CHAINS  
OIL-FIELD CHAINS  
SUPER ROLLER CHAINS  
DOUBLE CAPACITY CHAINS  
DOUBLE PITCH ROLLER CHAINS

# Premium SBR®

**+30%**  
*Powerful Performance*



**SUGIYAMA CHAIN CO.,LTD**  
<http://www.sychain.com>

■ DISTRIBUTOR

**Kemmen** TPE  
Transmisión de  
Potencia y  
Estanqueidad

**SUGIYAMA**  
Advanced Technology

Advantage

1

**The highest quality roller chain in the world just got stronger**  
**Premium SBR Roller Chain** ▶ Patented in : USA, Europe, Australia, Canada .

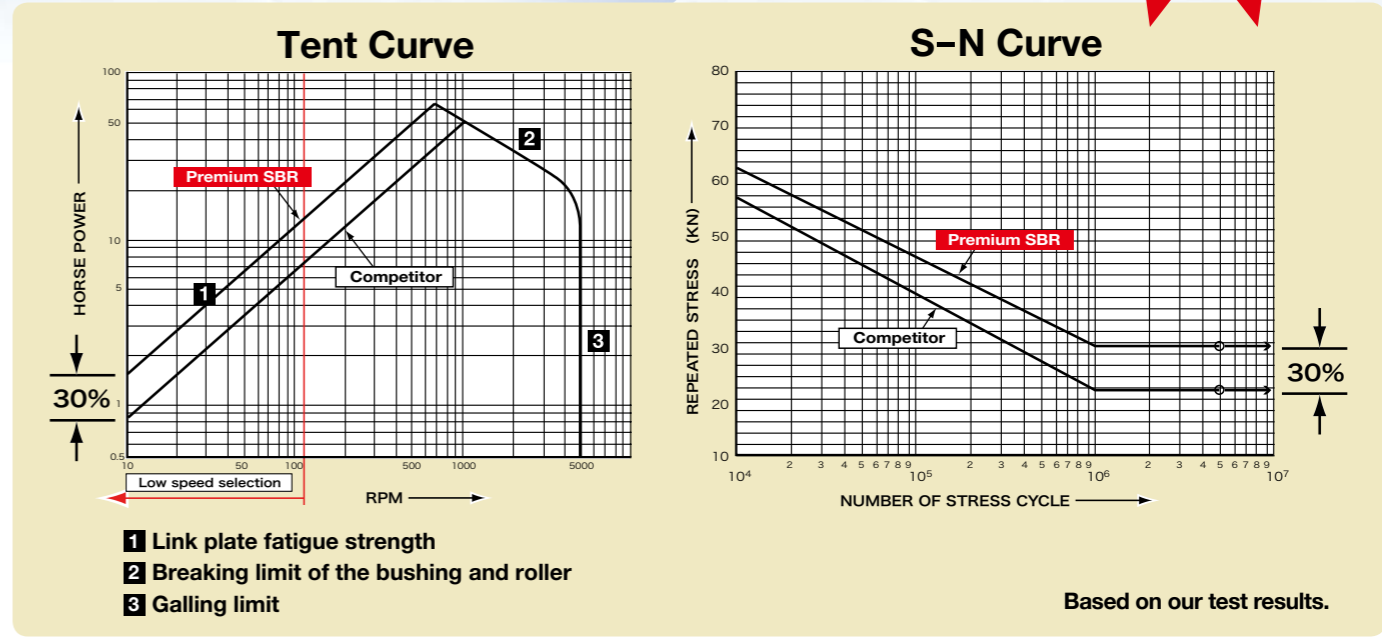
**+30%**  
**Powerful Performance**

## The Strongest Maximum Allowable Load

Astounding Maximum Allowable Loads

World's First Chain With 30% Higher Fatigue Strength

- \* Higher safety factor is gained.
- \* Downsizing to smaller chain is possible in some applications.
- \* Cost Savings



### BS Standard Maximum Allowable Loads

Chain No.	Competitor (kN)
SY16B	12.6
SY20B	19.6
SY24B	27.5
SY28B	34.3
SY32B	39.2

**30% UP**

Premium SBR (kN)
16.4
25.5
35.7
44.5
51.0

**Note**  
 Sizes of Premium SBR Chain: 16B – 32B Single Strand  
 80 – 240 Single Strand

### ANSI Standard Maximum Allowable Loads

Chain No.	Competitor (kN)
SY 80	14.7
SY100	22.6
SY120	30.4
SY140	40.2
SY160	53.0
SY180	60.8
SY200	71.6
SY240	99.0

**30% UP**

Premium SBR (kN)
19.1
29.4
39.5
52.3
69.0
79.0
93.0
129.0

Advantage

2

## The Longest Chain Life

### Significantly longer wear life

Conventional split bushings deform into a barrel shape when side plates are pressed on, leaving only two-point contact area. SBR (Solid Bushing & Roller) chain has extremely cylindrical inside and outside bushing walls resulting in full contact to disperse bearing pressure. Less pressure ensures excellent wear resistance.

### Up to 2-3 times longer wear life over curled bushings

The curled, split bushings have a seam where tiny space allows lubricant leakage resulting in shorter wear life. SBR has no seam resulting in lower bearing pressure allowing the bushings to retain lubrication resulting in much longer wear life.

### Reliable performance

SBR is cold-forged from steel rod. Cold-forming process also works with the molecular structure (grain) of the steel running lengthwise in the bushings thereby increasing fatigue strength and preventing bushings from breakage. Premium SBR chains improve performance of transmission with lesser elongation for long period of time.

