

# The highest quality roller chain in the world just got stronger

## Premium SBR

### The Strongest Maximum Allowable Loads

**+30%**  
Powerful Performance



**World's First Chain**  
**30% Higher Fatigue Strength**

- \* Higher safety factor is gained
- \* Downsizing to smaller chain is possible
- \* Cost Savings

BS Standard: Max. Allowable Loads

Chain No.	Competitor
16B	12.6
20B	19.6
24B	27.5
28B	34.3
32B	39.2

30%UP

Premium SBR
16.4
25.5
35.7
44.5
51.0

ANSI Standard: Max. Allowable Loads(kN)

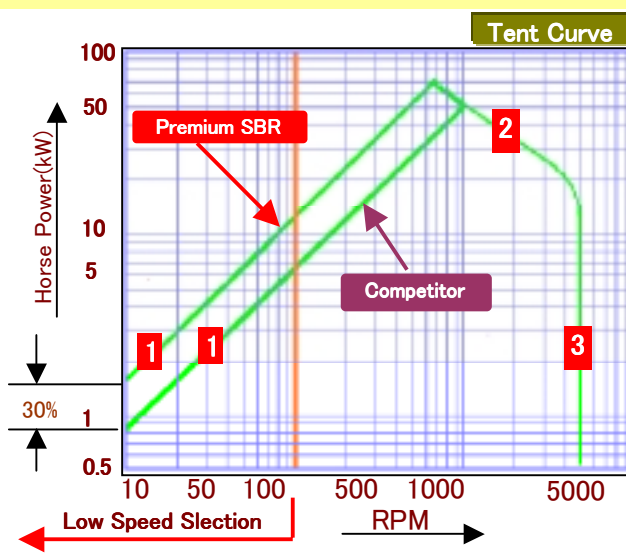
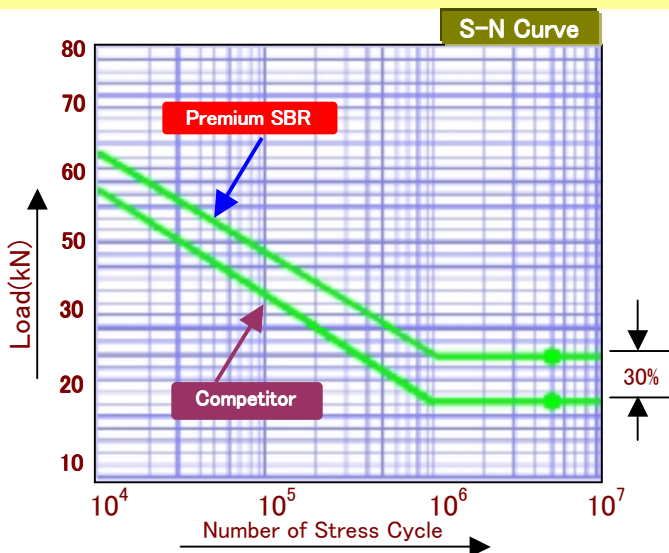
Chain No.	Competitor
80	14.7
100	22.6
120	30.4
140	40.2
160	53.0
180	60.8
200	71.6
240	99.0

30%UP

Premium SBR
19.1
29.4
39.5
52.3
69.0
79.0
93.0
129.0

Note: Sizes of Premium SBR Chain

- \* 16B~32B Single Strand
- \* 80~240 Single Strand



- ① Link plate fatigue strength
  - ② Breaking limit of the bushing and roller
  - ③ Galling limit
- Note: Based on our test results



## The Longest Chain Life

### ① 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 a full contact to disperse bearing pressure. Less pressure ensures excellent wear resistance.

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

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.

### ③ 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.

Patented in USA, Europe, Australia and Canada

