



Premium
SBR®

Features of SY Chain

The highest quality roller chain in the world just got stronger *Premium SBR Roller Chain*

Patented in: USA, Europe, Australia, Canada.

The Strongest Maximum Allowable Load

Advantage



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



Premium SBR (kN)
16.4
25.5
35.7
44.5
51.0

Note

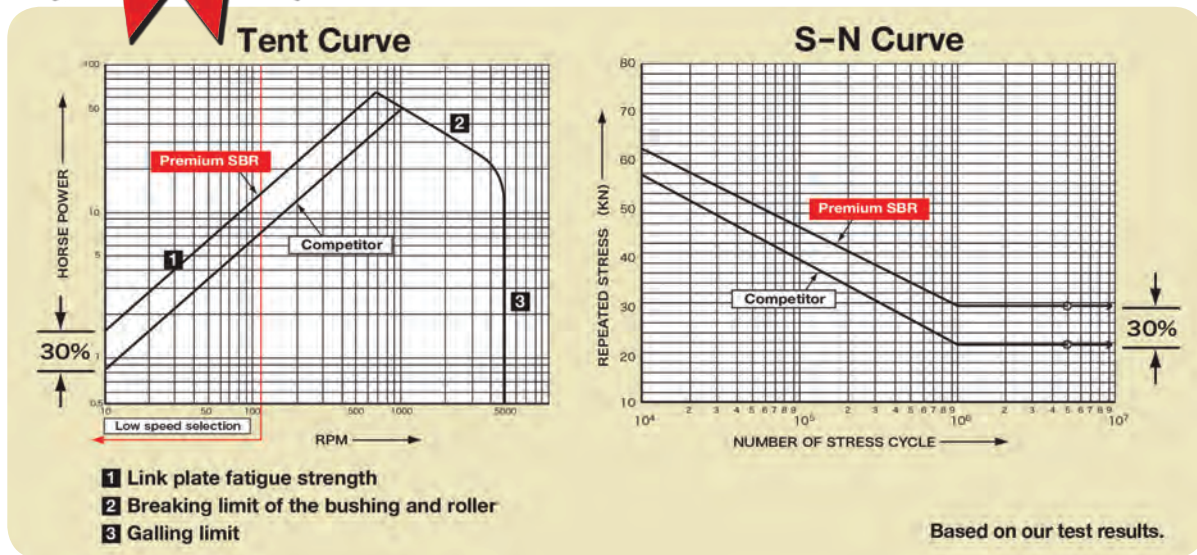
Sizes of Premium SBR Chain: 16B – 32B Single Strand
80 – 240 Single Strand

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



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.

