



U.S. Tsubaki, Inc.

Roller Chain Division

Shhhh!

Now you can reduce
workplace noise
to a *whisper*.



Low Noise Drive Chain



Listen! *Hear the* productivity and a

It's the sound of U.S. Tsubaki Low Noise Drive Chain.

Noise is everywhere.

Turn to the person next to you and say a few words. Your sound level: around 65 dB. Take a stroll on any busy city street — noise level: more than 70 dB.

Walk into a plant running standard roller chain. Noise levels can top out at close to 85 dB (with chain running at 492 feet/min).

Now, enter a plant running U.S. Tsubaki Low Noise Drive Chain. You'll notice a difference immediately. Noise levels are significantly lower — up to 10 dB lower than standard roller chain. The decibel scale is logarithmic — not linear — so those 10 dB are perceived as almost 50 percent less noise.

Reduce workplace noise now.

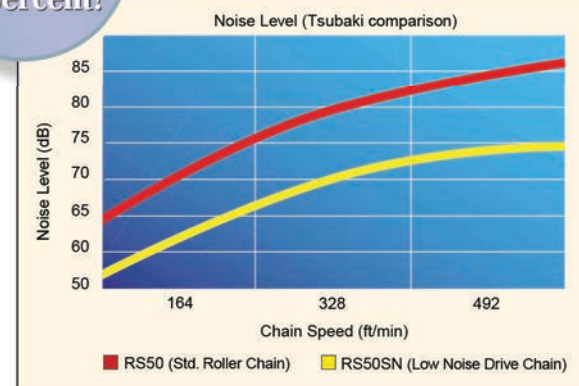
Low Noise Drive Chain — a U.S. Tsubaki innovation — creates a worker-friendly, environmentally friendly plant. It reduces equipment noise, and it eliminates the need for expensive, hard-to-work-around soundproof enclosures.

Now you can get the strength and reliability of chain without all the accompanying noise.

U.S. Tsubaki invented Low Noise Drive Chain to help our customers meet new global standards for environmental management, such as ISO 14000. Improving the work environment boosts employee morale and productivity. And increased productivity boosts to your bottom line.

Cut noise
levels
by nearly
50 percent!

Hear just how
quiet chain can be at
www.ustsubaki.com/sh



t? It's the sound of increased better work environment.

This chain is engineered for quiet, long-lasting operation.

The secret to this remarkable innovation is our unique spring roller construction, which provides the power and function of roller chain yet absorbs the impact of the sprocket-chain interaction. Lower impact means less noise in the workplace. Low Noise Drive Chain is the ideal alternative to belts: You get the power to keep your application running... with lower decibel levels.

Low Noise Drive Chain is interchangeable with ANSI standard chain and works with standard sprockets, so there's no special setup or costly system reconfiguration required. You get the same maximum allowable loads as U.S. Tsubaki ANSI standard chain. And Low Noise Drive Chain actually exceeds ANSI minimum tensile strength requirements. Low Noise Drive Chain is available in sizes 40 through 80.

Discover the sound of increased productivity. Switch to Low Noise Drive Chain today.

Another innovation from U.S. Tsubaki. Partners in Your Success®



Comparison of Low Noise Drive Chain to Prelubricated ANSI Roller Chain.

• Test Conditions

Chain tension: 881 lbs.
Lubrication: Prelubrication only
Measurement position: 11.81 in.
from the drive sprocket

• Test Chains

Low Noise Drive Chain (RS50SN)
ANSI Roller Chain (RS50)

Low Noise Drive Chain

- Reduces machine noise
- Improves work environment
- Increases productivity... and profits
- Eliminates the need for costly, hard-to-work-around soundproof enclosures

Selection Guidelines	Directly interchangeable with ANSI chain Use standard sprockets
Sizes	Available in sizes 40 through 80
Minimum Tensile Strength	Higher than ANSI standard minimums
Operating Temperatures	14°F to 140°F
Allowable Speed	650 ft./min.

Shhhh!



Low Noise Chain Specifications (in.)

Chain No.	Pitch P	Roller Diameter R	Inner Link's Inner Width W	Plate			Diameter D	Pin			
				Thickness T	Height H	Height h		L ₁ +L ₂	L ₁	L ₂	L
40SN	.500	0.335	0.312	0.060	0.472	0.409	0.156	0.717	0.325	0.392	0.709
50SN	.625	0.425	0.375	0.080	0.591	0.512	0.200	0.878	0.406	0.472	0.886
60SN	.750	0.496	0.500	0.094	0.713	0.614	0.234	1.087	0.506	0.581	1.110
80SN	1.000	0.661	0.625	0.125	0.949	0.819	0.312	1.398	0.640	0.758	1.417

Chain No.	ANSI Minimum Tensile Strength (lbs.)	Low Noise Avg. Tensile Strength (lbs.)	Low Noise Maximum Allowable Tension (lbs.)	Approx. Weight (lbs./ft.)	No. of Links/10 ft.
40SN	3,125	4,250	810	0.43	240
50SN	4,880	7,050	1,430	0.70	192
60SN	7,030	9,900	1,980	1.03	160
80SN	12,500	17,600	3,300	1.79	120

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