

# 81X CHAIN, 3939-B4 & M900

When choice really matters



## The Many Faces of 81X

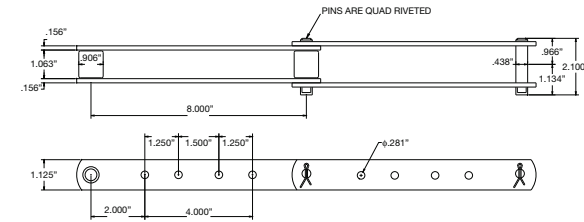
Why choose one over the other? 81X is at the heart of every modern sawmill operation. This versatile chain is available in many grades of quality. At Tsubaki we are proud to offer three tiered levels of 81X quality:

Tier	Key Features	Key Applications
81X Econo	An economical version that meets the general need of non-timed sawmill applications.	Non-Timed Conveyors: • Transfers
81X Premium	Building upon the strength of the 81X design, Premium offers better performance on multi-strand timed conveyors where relative length tolerance and rate of stretch is critical. • Improved material & heat treatment • Precision and consistency of fabrication & assembly	Multi-strand Timed Conveyors: • Scanner • Trimmer • Drop Sorter
81X Lambda <sup>1</sup>	Oil impregnated sintered metal bushing for lube-free operation. • 7-14 times longer life than unlubricated chain • Same precision of material, heat treatment, fabrication and assembly as 81X Premium.	Multi-strand Timed Conveyors: • Drop Sorter • Trimmer • Scanner • Any application where contamination of the product must be avoided

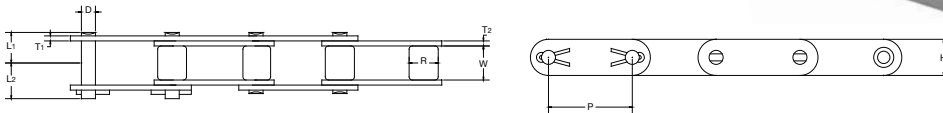
<sup>1</sup> Note that 81X Lambda chain has a slighter wider profile than Premium or Econo.

## 3939-B4

3939-B4 chain is an 8" pitch version of 81X chain and is used for lumber conveying. It is typically used in drop sorter applications. Lumber is conveyed using J-bar attachments on the chain. Tsubaki can install the J-bars on the chain. Tsubaki can also supply sprockets to work with 3939-B4 chain. Please contact Tsubaki Technical Support for more information.



## 81X Chain



All dimensions in inches unless otherwise stated.

Chain Number	Pitch P	Roller Diameter R	Width Between Inner Link Plates W	Link Plate			Pin			Average Tensile Strength (lbs.)	Approx. Weight (lbs./ft.)	
				Thickness T1	Thickness T2	Height H	Diameter D	Length L1+L2	Length L1			Length L2
81X Econo	2.609	0.906	1.060	0.157	0.157	1.125	0.437	2.063	0.951	1.112	24,000	2.42
81X Premium	2.609	0.906	1.060	0.157	0.157	1.125	0.437	2.063	0.951	1.112	24,000	2.42
81X Premium NEP	2.609	0.906	1.060	0.157	0.157	1.125	0.437	2.063	0.951	1.112	24,000	2.42
81XHD Econo	2.609	0.906	1.060	0.220	0.315	1.260	0.437	2.536	1.181	1.355	42,000	4.12
81XHD Premium	2.609	0.906	1.060	0.220	0.315	1.260	0.437	2.536	1.181	1.355	42,000	4.12
81X Lambda	2.609	0.906	1.060	0.157	0.189	1.125	0.437	2.146	0.998	1.148	24,000	2.42
81XSS	2.609	0.906	1.060	0.157	0.157	1.125	0.437	2.063	0.951	1.112	11,000	2.42

## M900

