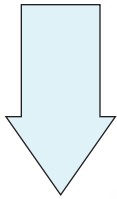
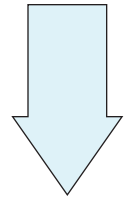


Ultra Miniature Chain



Maximum Allowable Load

Average Tensile Strength



180 lbs.



BF25H



1,170 lbs.

140 lbs.



RS25



1,050 lbs.

70 lbs.



RS15



510 lbs.

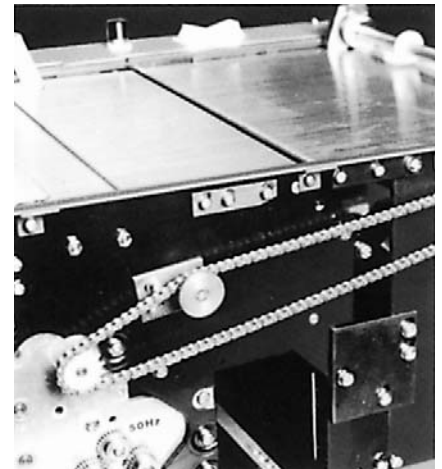
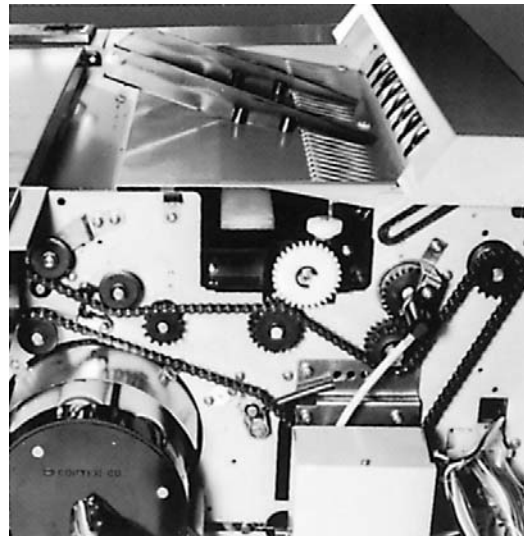
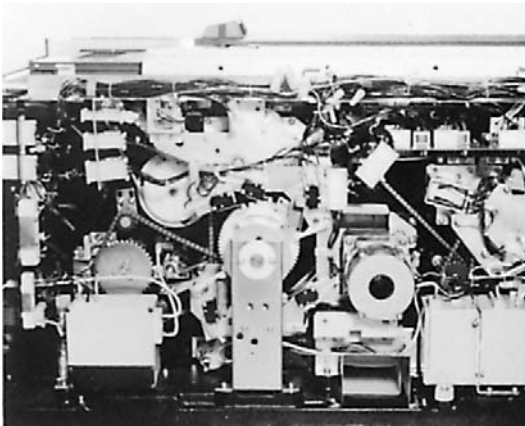
11 lbs.



RS11-SS



175 lbs.



Ultra Miniature chain from U.S. Tsubaki is specially designed for applications with extremely limited space. Manufactured to the most exacting specifications, Ultra Miniature chain is perfect for applications requiring quiet, compact, lightweight chain with minimal polygonal action.

U.S. Tsubaki Ultra Miniature chain provides superior performance in a variety of demanding applications such as communications equipment, business machines, medical equipment, photographic equipment, and other electro-mechanical devices. U.S. Tsubaki Ultra Miniature chain is available in four styles to meet the needs of the most challenging small-scale chain applications.

Chain Selection

For smooth low-speed power transmission at speeds less than 160 ft./min., use the formula below to select optimum chain size.

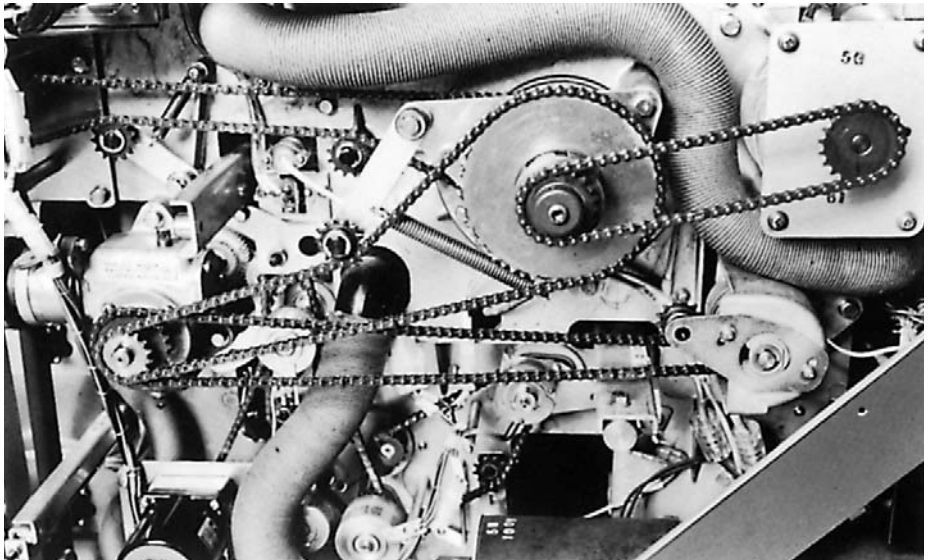
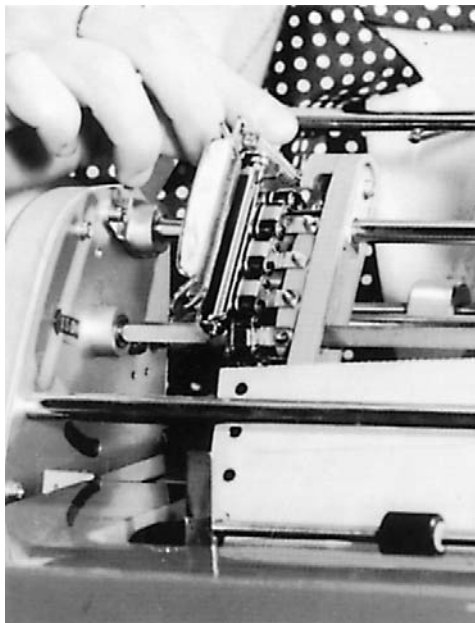
$$\boxed{\text{Max. load (lbs.) on chain}} \times \boxed{\text{Service factor}} \times \boxed{\text{Chain speed coefficient}} \leq \boxed{\text{Max. allowable load (lbs.) on chain}}$$

Chain Speed Coefficient Table

Chain Speed	Chain Speed Coefficient
0 ~ 50 ft./min.	1.0
50 ~ 100 ft./min.	1.2
100 ~ 160 ft./min.	1.4

Table I: Service Factor

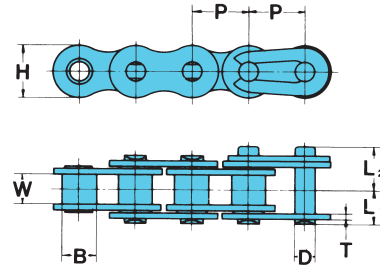
Type of Impact	Service Factor
Smooth	1.0
Some impact	1.3



U.S. TSUBAKI MINIATURE CHAIN

RS11SS

U.S. Tsubaki Miniature chain RS11SS is made of 304 stainless steel throughout. This provides superior corrosion resistance and high temperature resistance. The chain is specially designed for use where space is extremely limited, such as in communications equipment, business machines and electro-mechanical devices.



U.S. TSUBAKI Chain No.	Pitch	Bushing Diameter	Width Between Inner Link Plates	Link Plate			Pin			Average Tensile Strength lbs.	*Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
	P	B	W	T	H	D	L ₁	L ₂	L ₁ +L ₂				
RS11SS	.1475	.090	.072	.015	.138	.062	.090	.125	.214	175	11	.035	814

Note: No offset links available.

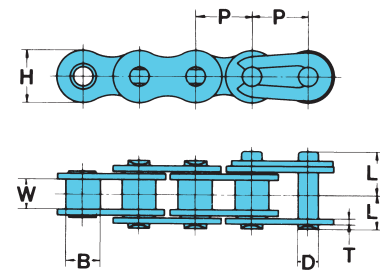
* Refer to page A-44, "Chain Selection."

RS15



U.S. Tsubaki RS15 bushed chain is between RS25 and RS11SS in size and is economical for compact applications.

- Strong and precise, this chain is based on RS roller chain production technology.
- Lightweight and compact, it is only half the weight of RS25 which is the smallest ASME/ANSI roller chain.
- All parts are heat-treated for better strength and wear resistance.
- Suitable for industrial data equipment, business machines, electric and electronic equipment, medical instruments, photographic equipment and other devices.

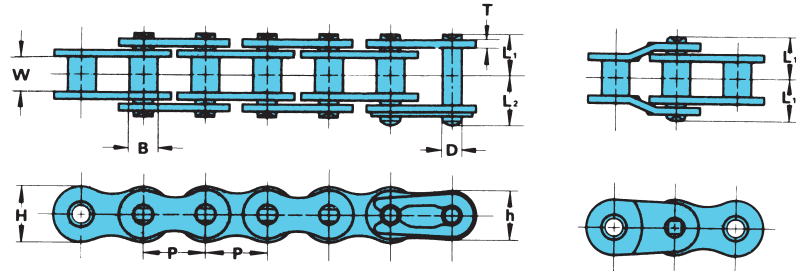


U.S. TSUBAKI Chain No.	Pitch	Bushing Diameter	Width Between Inner Link Plates	Link Plate			Pin			Average Tensile Strength lbs.	*Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 10 ft.
	P	B	W	T	H	D	L ₁	L ₂	L ₁ +L ₂				
RS15	.1875	.098	.094	.024	.169	.064	.120	.152	.272	510	70	.05	640

Note: No offset links available.

* Refer to page A-44, "Chain Selection."

RS25 • BF25H



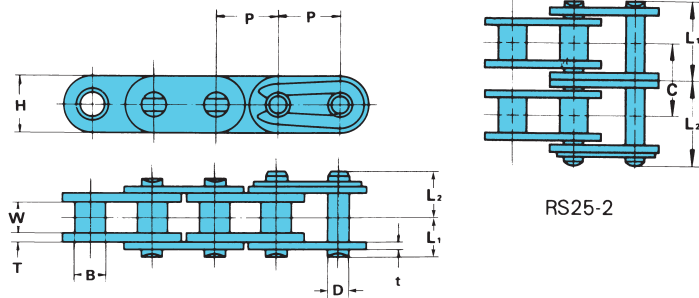
RS25

RS25/BF25H

U.S. Tsubaki RS25 bushed chain is the smallest ANSI roller chain. It is ideal for power transmission in business machines, electro-optical equipment, and precision and general industrial machines where relatively large space is allowed for miniature drives.

U.S. Tsubaki BF25H bushed chain works with standard sprockets. It is a flat side-bar chain, and its inner link plates are thicker than RS25.

These chains can accommodate a large allowable load and are widely used for driving motorcycle cam shafts and power transmission machinery in general.



BF25H

RS25-2

U.S. TSUBAKI Chain No.	ANSI No.	Pitch P	Bushing Diameter B	Width Between Inner Link Plates W	Link Plate				Pin Diameter D
					T	t	H	h	
RS25	25	.250	.130	.125	.030	—	.230	.199	.0905
BF25H	—	.250	.130	.125	.039	.030	.230	—	.0905

U.S. TSUBAKI Chain No.	Number of Strands	Pin			Transverse Pitch C	Type of Pin	Minimum Ultimate Strength ANSI Standard lbs.	Average Tensile Strength lbs.	* Maximum Allowable Load lbs.	Approx. Weight lbs./ft.	Number of Links per 100 ft.
		L ₁ +L ₂	L ₁	L ₂							
RS25	1	.339	.150	.189	—	Riveted	780	1,050	140	.09	480
RS25-2	2	.591	.276	.315	.252	Riveted	1,560	2,100	240	.18	480
BF25H	1	.362	.161	.201	—	Riveted	—	1,320	170	.11	480

Note: Only two-pitch offset links are available for RS25 and RS25-2.

No offset links are available for BF25H.

* Refer to page A-44, "Chain Selection."