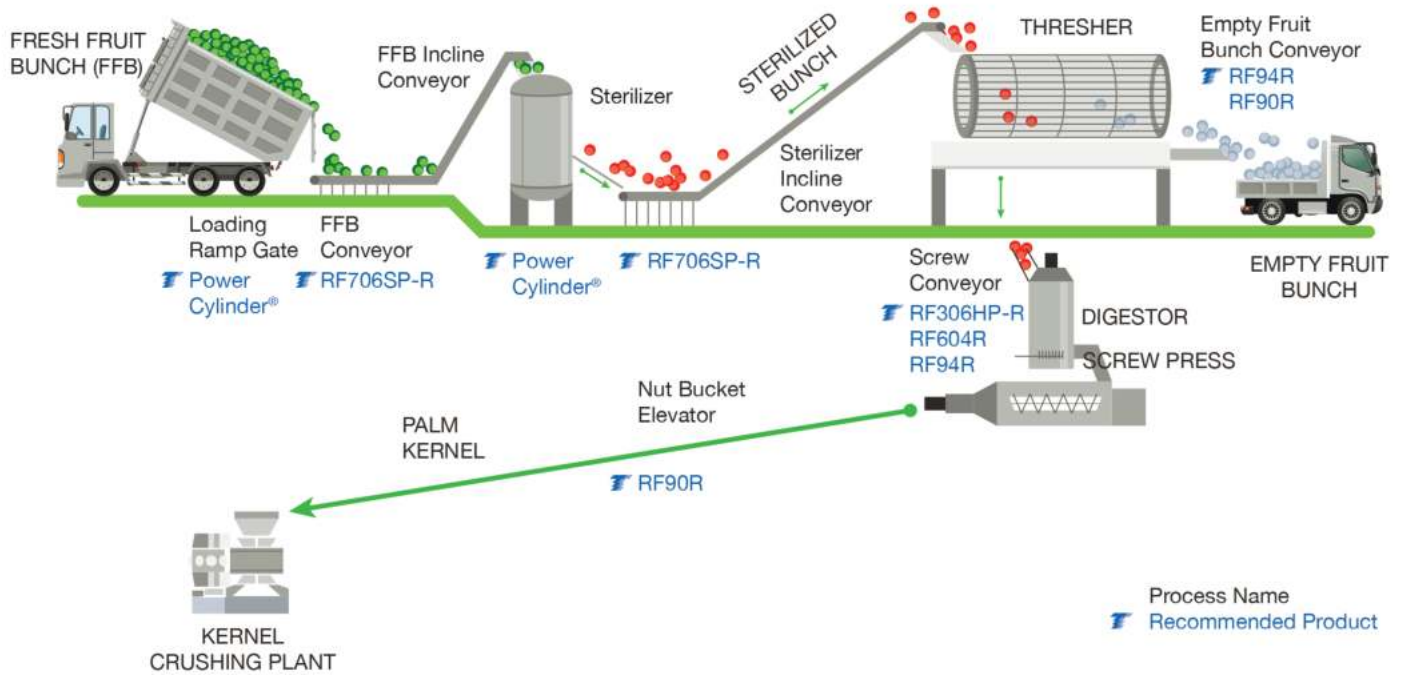




Tsubaki
Palm Oil Mill
Products

Palm Oil Mills Process



Tsubaki Products for Palm Oil Mills Industry



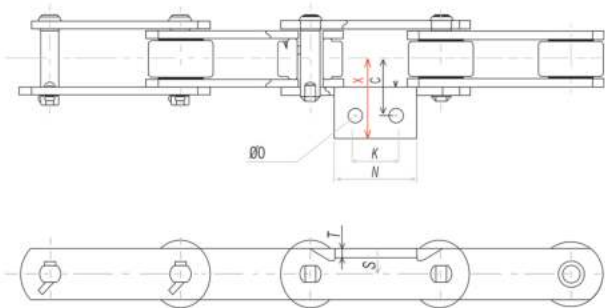
Power Transmission Units and Components



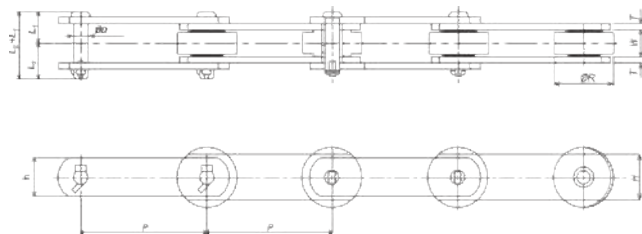
The Advance Technology of Palm Oil

Delivering The Best **Cost Performance** To **Improve** Higher Productivity

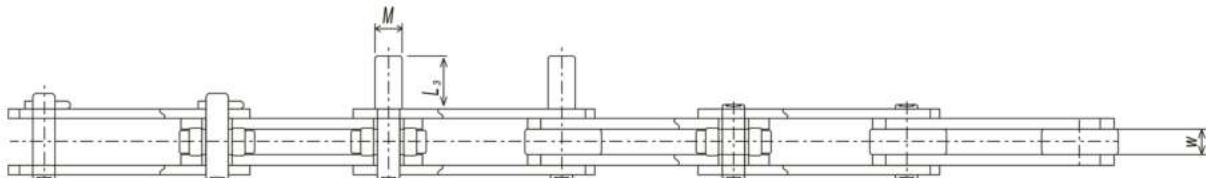
A2 Attachment



R Roller



EP Attachment



Palm Oil Mill Large Size Conveyor Chain

Tsubaki Chain No.	Average Tensile Strength		Minimum Tensile Strength	Chain Dimension in mm										Weight Kg/m	No. Of Links per Unit
				P	W	ØR	ØD	L1	L2	H	h	T			
RF90R-UWR	91.2 kN	20,500 Lbs	77.5 kN	101.6	21.0	47.6	11.3	25.0	28.5	35.5	31.4	5.0	6.1	30	
RF94R-UWR	146 kN	32,800 Lbs	124 kN	101.6	30.6	50.8	14.5	33.1	36.1	40.0	40.0	6.0	9.8	30	
RF706SP-R	360 kN	80,000 Lbs	306 kN	152.4	24.4	66.7	19.1	32.4	41.75	50.0	45.0	8.0	12.2	20	
RF604R-UWR	146 kN	32,800 Lbs	124 kN	152.4	30.6	50.8	14.5	33.1	36.1	40.0	40.0	6.0	7.8	20	

Palm Oil Mill Large Size Conveyor Attachment

Tsubaki Chain No.	Pitch	A2					EP Attachment		Attachment Mass kg/each	
		N	K	O	X	C	M Type	L3	A2	EP
									-	0.15
RF94R-UWR	101.6	63.5	31.8	10.7	62.0	44.5	M12	40.0	0.16	0.15
RF706SP-R	152.4	-	-	-	-	-	M24	45.0	-	0.15

Ordering Example

Indicate base chain and attachments in your chain number, taking care not to make mistakes, when placing order.

Chain Number

RF94 R-UWR -2L A2



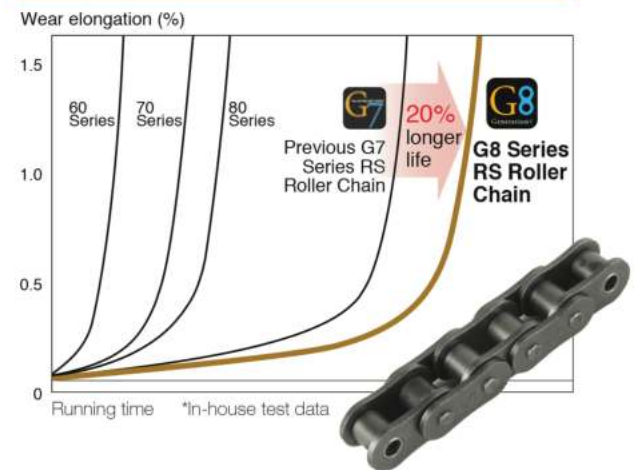
Introducing the Evolution of Roller Chain Wear Life



TSUBAKI G8 DRIVE CHAIN

The Rebirth of the Drive Chain with improved quality and performance.

Evolution of Chain Wear Life

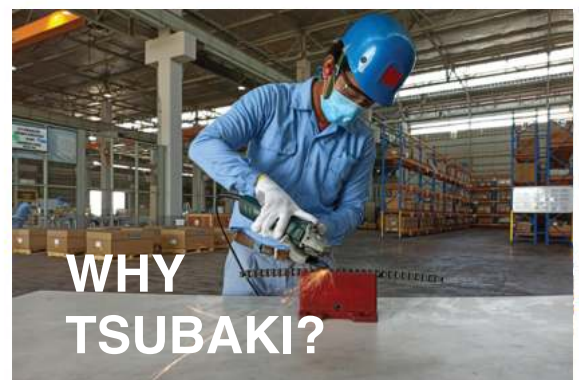


Common Used Drive Chain in Palm Oil

Tsubaki ANSI Chain Number	Type	Number of Strands	ANSI Standard Min. Tensile Strength kN {kgf}	Tsubaki Minimum Tensile Strength	Tsubaki Average Tensile Strength	Maximum Allowable Load	Number of links per Unit
RS80	Rivettted Pin	Single	61,2 {6241}	71,6 {7300}	78,5 {8000}	14,7 {1500}	120
RS100	Cottered Pin		95,4 {9728}	107 {10900}	118 {12000}	22,6 {23000}	96
RS120			137,1 {13980}	148 {15100}	167 {17000}	30,4 {3100}	80
RS140			185,9 {18957}	193 {19700}	216 {22000}	40,2 {4100}	80

RS® Sprocket Perfect pair of G8 Drive Chain

Tsubaki RS sprockets are high quality sprocket that have been heat treated in accordance with appropriate quality standard. Tsubaki RS sprocket teeth have a hardened layer over the entire surface, right down to the teeth roots.



Tsubaki's advance manufacturing technology and use of selected materials of only the higher quality, assures consistence performance and strict adherence to our stated specifications.

Power Cylinder®

The Ecologically-Friendly Solution

80% less CO2 emission and electricity usage compared to hydraulic or pneumatic cylinder

Clean Operation
Clean Operation is possible because there is no oil leak



Operable Only by Electrical Wiring
All you need for operation is electrical wiring



Easy Installation

Unlike hydraulic cylinder, operation at a high place and under adverse environment is easier, because power cylinder does not require extra components installation



CO2 Emission (kg CO2/year)

Type	In Operation	In Production
Power Cylinder	91	42
Pneumatic Cylinder	584	33
Hydraulic Cylinder	493	13

Comparison Condition

Thrust; 3kN, velocity; 200mm/s, Stroke 500 m
1 reciprocating/min x 12 Hrs. x 250 days including all drive unit such as drive motor, hydraulic pump or compressor.

Detail Product and Application

Application	Model	Nominal Speed mm/s Hz	Motor kW	Thrust kN (kgf)	Nominal Stroke mm	Voltage	Mass
Loading Ramp Gate	LP800D R9.15XLC-TK	40 50/50	0,55	7,84 {800}	915	380V	28 kg
Vertical Sterilizer	Top Door Open/Close	LPTB2000L5V1-TK	25 50/50	19,6 {2000}	500	380V	66 kg
	Top Door Lock	LPTB1000L2V1LC-TK	25 50/50	9,80 {1000}	200	380V	50 kg
	Bottom Door Open/Close	LPTB2000L5V1-TK	25 50/50	19,6 {2000}	500	380V	66 kg
	Bottom Door Lock	LPTB1000L2V1LC-TK	25 50/50	9,80 {1000}	200	380V	50 kg
Chute Moving	LPTB1000L13V1LC-TK	25 50/50	0,75	9,80 {1000}	1300	380V	90 kg

Loading Ramp Gate



Vertical Sterilizer





PT. TSUBAKI INDONESIA TRADING

Kawasan Karawang International Industrial City (KIIC)
Jl. Harapan VIII Lot LL-13, Desa Parungmulya
Kec. Ciampel, Karawang, 41361, Indonesia
Tel : +62 267 840 3638 / +62 267 840 3808

Sales & Operation Office

Graha Bulevar Blok GB/B17, Jl. Bulevar Ahmad Yani
Kelurahan Harapan Mulya, Kecamatan Medan Satria
Kota Bekasi, Jawa Barat, 17143, Indonesia
Tel : +62 21 894 58898, +62 21 894 58899

Branch Office

SURABAYA

Jl. Kahuripan Raya Ruko Monroe No. 79
Desa Sumpat, Kecamatan Sidoarjo, Kabupaten Sidoarjo
Jawa Timur, 61252, Indonesia
Tel : +62 31 997 02765, +62 31 997 02766

MEDAN

Komplek Centre Point Medan
Jl. Timor Blok F 05 Medan, Kec. Medan Timur
Kelurahan Gang Buntu, Medan, 20231
Tel : +62 61 8051 0083, +62 61 8051 0084

Distributed by