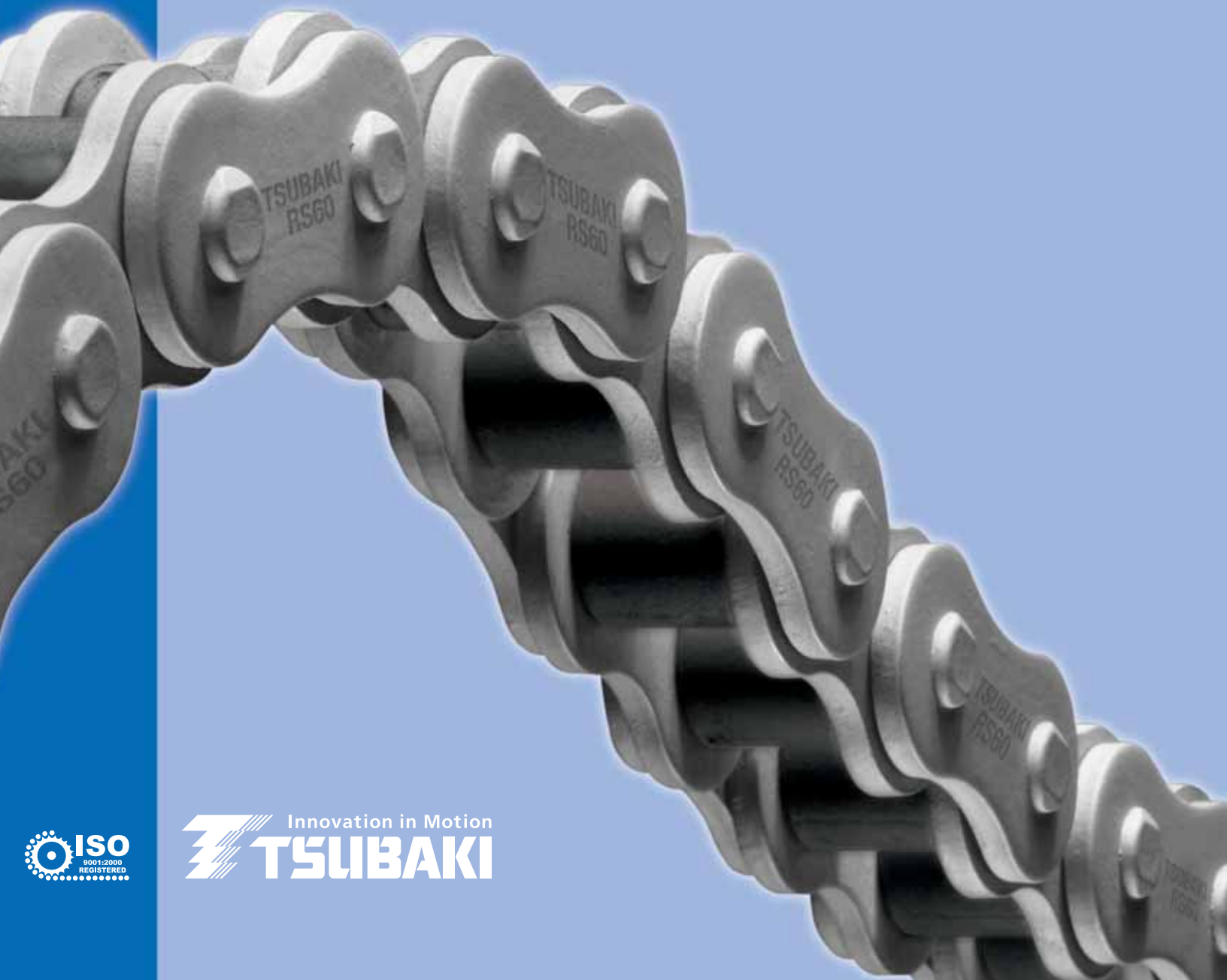


# NEPTUNE CHAIN



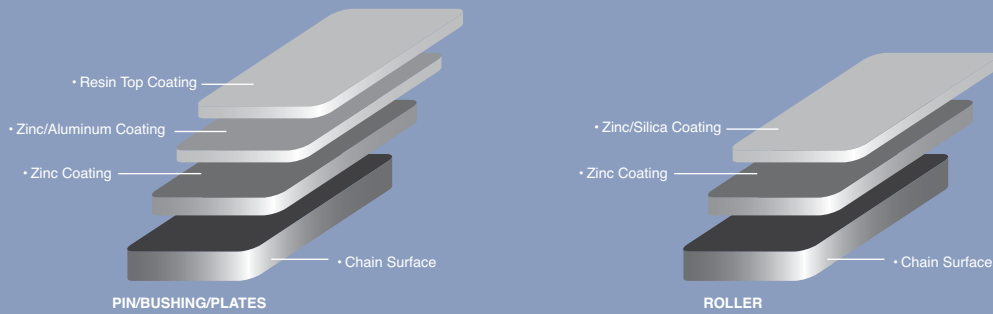
the  
clean  
winner in  
corrosive conditions



Innovation in Motion  
**TSUBAKI**

## NEP·Cote: The Science Behind Tsubaki

Neptune Chain provides corrosion protection that works better and lasts longer than ever before. Tsubaki's exclusive "NEP·Cote" coating process is a multi-layer anti-corrosive shield that provides "best-in-class" protection.



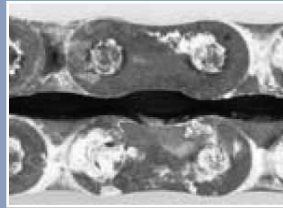
Operating temperature range is between -10°C - +150°C.

## Longer Lasting

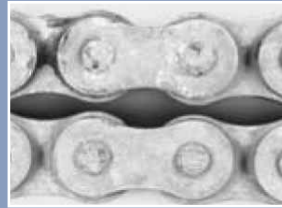
- Lasts 700 hours in a salt spray test without rusting - compare at 300 hours for other corrosion protection processes.
- Coating has been formulated to ensure that it stays on the chain in even the harshest conditions.



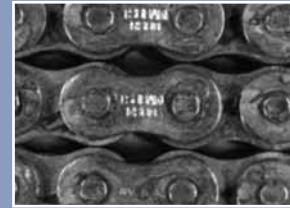
Neptune  
700 Hours Salt Spray Test



Zinc-Tin Alloy Coating  
300 Hours Salt Spray Test



Dacrotized® Zinc-Aluminum  
300 Hours Salt Spray Test



Nickel Plating  
50 Hours Salt Spray Test

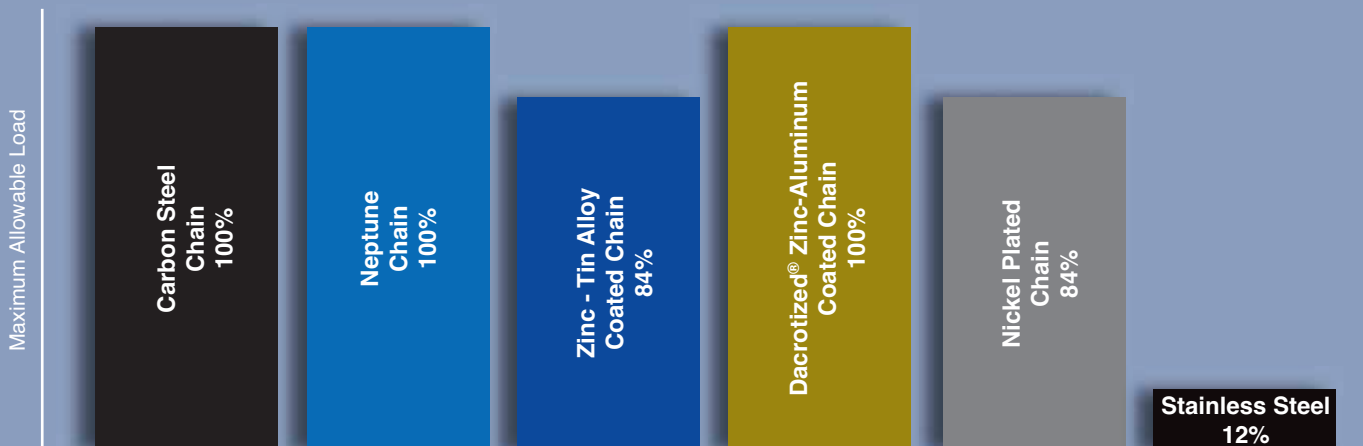
## Environmentally Friendly

- Contains no hazardous substances.
- Complies with Restriction of Hazardous Substances (RoHS) directive.



## Tougher Than The Rest

- Neptune's innovative coating process avoids the use of high temperatures which can contribute to weakening of the chain's components.
- Neptune has the same load ratings as Tsubaki carbon steel chain, ensuring maximum performance.



Note: The high temperature coating process that is used on Dacrotized® coated chain causes the chain to lose about 6% of its tensile strength.

## Corrosion Resistant Sprockets

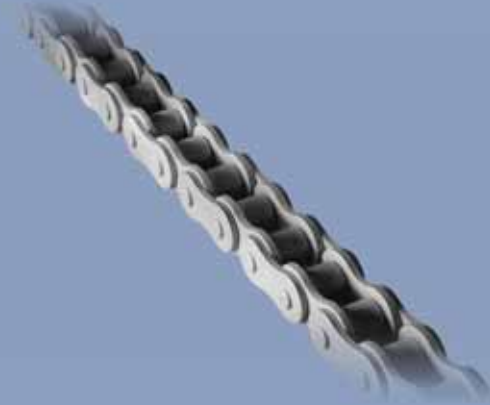
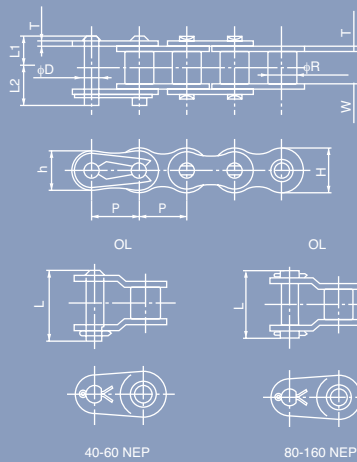
- Tsubaki can also supply corrosion resistant sprockets.

# NEPTUNE DRIVE CHAIN

## Neptune Drive Chain

All dimensions in inches unless otherwise stated.

Chain Number	Pitch P	Roller Dia. R	Width Between Inner Link Plates W	Link Plate			Pin					Transverse Pitch C	Average Tensile Strength (lbs.)	Maximum Allowable Load (lbs.)	Approx. Weight (lbs./ft.)	Number of links per 10 feet
				Thickness T	Height H	Height h	Dia. D	Length L <sub>1</sub> +L <sub>2</sub>	Length L <sub>1</sub>	Length L <sub>2</sub>	Offset Pin Length L					
<b>Single Strand</b>																
40NEP	0.500	0.312	0.313	0.059	0.472	0.409	0.156	0.717	0.325	0.392	0.709	-	4,290	810	0.43	240
50NEP	0.625	0.400	0.375	0.079	0.591	0.512	0.200	0.874	0.406	0.472	0.886	-	7,040	1,430	0.70	192
60NEP	0.750	0.469	0.500	0.094	0.713	0.614	0.235	1.087	0.506	0.581	1.110	-	9,900	1,980	1.03	160
80NEP	1.000	0.625	0.625	0.126	0.949	0.819	0.313	1.398	0.640	0.758	1.504	-	17,600	3,300	1.78	120
100NEP	1.250	0.750	0.750	0.157	1.185	1.024	0.376	1.677	0.778	0.900	1.799	-	26,400	5,060	2.67	96
120NEP	1.500	0.875	1.000	0.189	1.425	1.228	0.437	2.118	0.980	1.138	2.276	-	37,400	6,820	3.98	80
140NEP	1.750	1.000	1.000	0.220	1.661	1.433	0.500	2.307	1.059	1.248	2.496	-	48,400	9,020	5.02	68
160NEP	2.000	1.125	1.250	0.252	1.898	1.638	0.563	2.705	1.254	1.451	2.898	-	62,700	11,880	6.77	60
<b>Double Strand</b>																
40NEP-2	0.500	0.312	0.313	0.059	0.472	0.409	0.156	1.283	0.608	0.675	1.319	0.567	8,580	1,380	0.85	240
50NEP-2	0.625	0.400	0.375	0.079	0.591	0.512	0.200	1.594	0.762	0.833	1.646	0.713	14,080	2,420	1.39	192
60NEP-2	0.750	0.469	0.500	0.094	0.713	0.614	0.235	1.988	0.955	1.033	2.071	0.898	19,800	3,360	2.04	160
80NEP-2	1.000	0.625	0.625	0.126	0.949	0.819	0.313	2.551	1.217	1.335	2.657	1.154	35,200	5,610	3.53	120

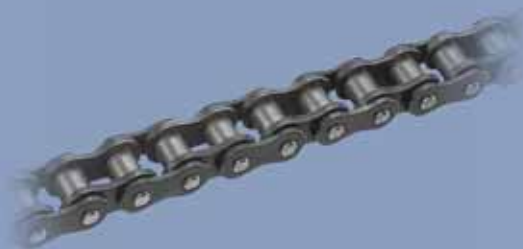
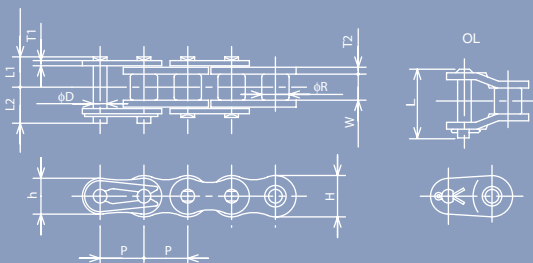


## Neptune Lube Free Lambda Drive Chain

Lambda chain uses special oil impregnated bushings to provide lubrication and to prolong wear life.

All dimensions in inches unless otherwise stated.

Chain Number	Pitch P	Roller Dia. R	Width Between Inner Link Plates W	Link Plate				Pin					Average Tensile Strength (lbs.)	Maximum Allowable Load (lbs.)	Approx. Weight (lbs./ft.)	Number of links per 10 feet	Maximum Allowable Speed (ft./min)
				Thickness T <sub>1</sub>	Thickness T <sub>2</sub>	Height H	Height h	Dia. D	Length L <sub>1</sub> +L <sub>2</sub>	Length L <sub>1</sub>	Length L <sub>2</sub>	Offset Pin Length L					
RSD40NEP LAMBDA	0.500	0.312	0.297	0.059	0.079	0.472	0.409	0.156	0.756	0.344	0.411	0.787	4,290	810	0.47	240	492
RSD50NEP LAMBDA	0.625	0.400	0.365	0.079	0.094	0.591	0.512	0.200	0.913	0.423	0.490	0.945	7,040	1,430	0.74	192	443
RSD60NEP LAMBDA	0.750	0.469	0.483	0.094	0.126	0.713	0.614	0.235	1.159	0.539	0.620	1.260	9,900	1,980	1.15	160	394
RSD80NEP LAMBDA	1.000	0.625	0.609	0.126	0.157	0.949	0.819	0.313	1.472	0.675	0.797	1.571	17,600	3,300	1.86	120	295



# NEPTUNE CONVEYOR CHAIN

Neptune Chain can be provided with a wide variety of common attachments to accommodate almost any application. Local chain and attachment assembly allows us to ship quickly so that you can get up and running. Call us at 1.800.263.7088 to find out how Tsubaki can be your link to attachment chain.

## Neptune Single Pitch Conveyor 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.)	Maximum Allowable Load (lbs.)	Approx. Weight (lbs./ft.)	Number of links per 10 feet	
				Thickness T	Height H	Height h	Diameter D	Length L <sub>1</sub> +L <sub>2</sub>	Length L <sub>1</sub>					Length L <sub>2</sub>
40NEP	0.500	0.312	0.313	0.059	0.472	0.409	0.156	0.717	0.325	0.392	3,740	595	0.43	240
50NEP	0.625	0.400	0.375	0.079	0.591	0.512	0.200	0.874	0.406	0.472	6,160	970	0.70	192
60NEP	0.750	0.469	0.500	0.094	0.713	0.614	0.235	1.087	0.506	0.581	9,020	1,410	1.03	160
80NEP	1.000	0.625	0.625	0.126	0.949	0.819	0.313	1.398	0.640	0.758	15,400	2,400	1.78	120
*100NEP	1.250	0.750	0.750	0.157	1.185	1.024	0.376	1.677	0.778	0.900	24,200	3,830	2.67	96

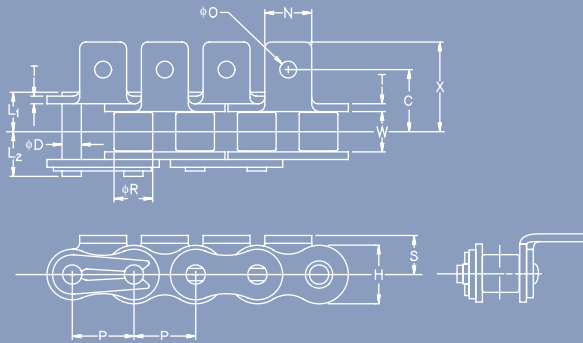
All dimensions in inches unless otherwise stated.

Chain Number	A-1, K-1, SA-1 and SK-1 Attachment Dimensions								Additional Weight per Attachment (lbs.)	
	C	C <sub>1</sub>	N	O	S	X	X <sub>s</sub>	T	A, SA Attach.	K, SK Attach.
40NEP	0.500	0.500	0.375	0.141	0.315	0.701	0.685	0.059	0.004	0.009
50NEP	0.625	0.625	0.500	0.205	0.406	0.921	0.907	0.079	0.007	0.013
60NEP	0.750	0.720	0.625	0.205	0.469	1.110	1.057	0.094	0.015	0.031
80NEP	1.000	0.969	0.750	0.268	0.625	1.441	1.396	0.125	0.029	0.057
*100NEP	1.250	1.250	1.000	0.343	0.780	1.768	1.732	0.156	0.057	0.114

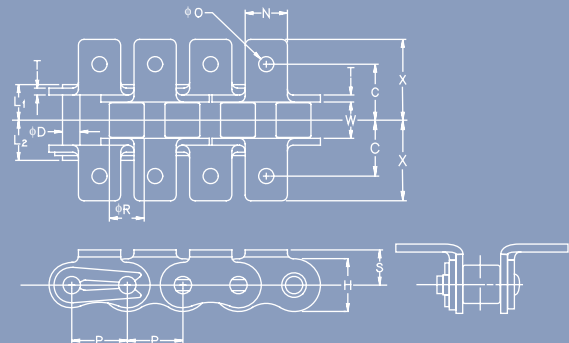
\*Size100 is available on a make-to-order basis. Allow additional time for attachment chain delivery.



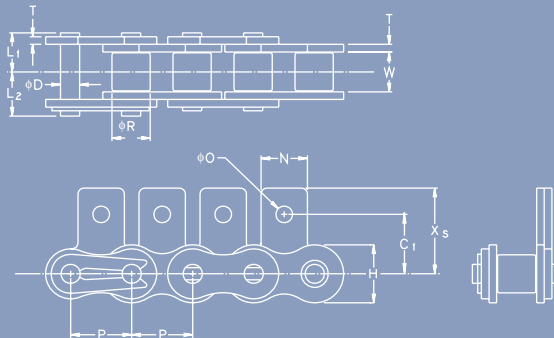
A-1 Attachment



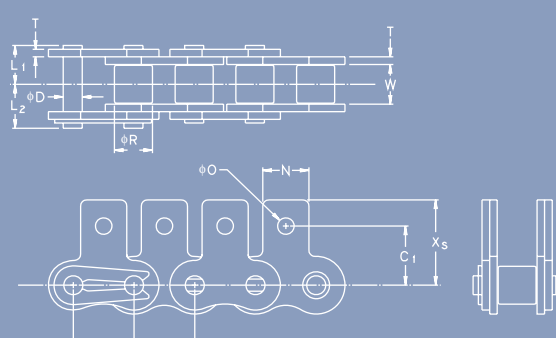
K-1 Attachment



SA-1 Attachment



SK-1 Attachment



# NEPTUNE CONVEYOR CHAIN

## Neptune Double Pitch Conveyor Chain

All dimensions in inches unless otherwise stated.

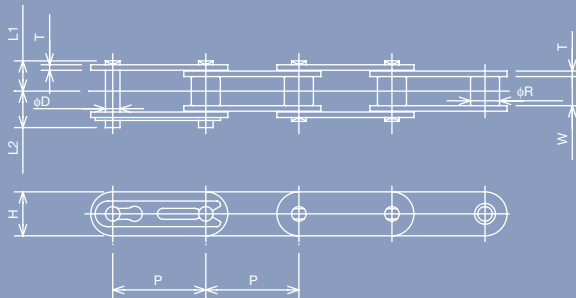
Chain Number	Pitch P	Roller Diameter R	Width Between Inner Link Plates W	Link Plate		Pin				Average Tensile Strength (lbs.)	Maximum Allowable Load (lbs.)	Approx. Weight (lbs./ft.)
				Thickness T	Height H	Diameter D	Length L <sub>1</sub> +L <sub>2</sub>	Length L <sub>1</sub>	Length L <sub>2</sub>			
Standard Roller Type												
C2040NEP	1.000	0.312	0.313	0.059	0.472	0.156	0.717	0.325	0.392	3,740	595	0.34
C2050NEP	1.250	0.400	0.375	0.079	0.591	0.200	0.878	0.406	0.472	6,160	970	0.56
C2060HNEP	1.500	0.469	0.500	0.126	0.677	0.235	1.224	0.573	0.652	9,020	1,410	1.01
C2080HNEP	2.000	0.625	0.625	0.157	0.906	0.313	1.543	0.720	0.823	15,400	2,400	1.62
C2100HNEP	2.500	0.750	0.750	0.189	1.150	0.376	1.823	0.858	0.965	24,200	3,830	2.37
Oversize Roller Type												
C2042NEP	1.000	0.625	0.313	0.059	0.472	0.156	0.717	0.325	0.392	3,750	595	0.58
C2052NEP	1.250	0.750	0.375	0.079	0.591	0.200	0.878	0.406	0.472	6,160	970	0.87
C2062HNEP	1.500	0.875	0.500	0.126	0.677	0.235	1.224	0.573	0.652	9,020	1,410	1.47
C2082HNEP	2.000	1.125	0.625	0.157	0.906	0.313	1.543	0.720	0.823	15,400	2,400	2.36
C2102HNEP	2.500	1.563	0.750	0.189	1.150	0.376	1.823	0.858	0.965	24,200	3,830	3.89

All dimensions in inches unless otherwise stated.

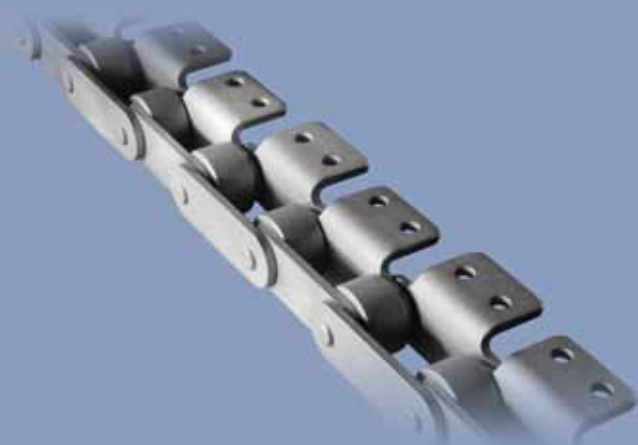
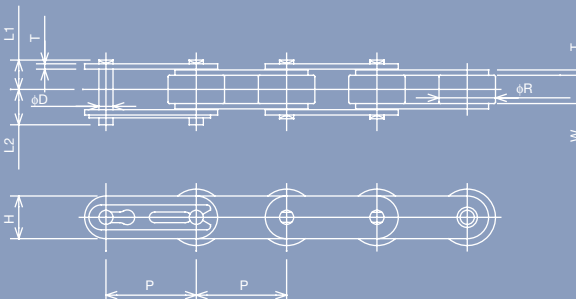
Chain Number	A-1, A-2, K-1, K-2, SA-1, SA-2, SK-1 and SK-2 Attachment Dimensions												Additional Weight per Attachment (lbs.)	
	C	C <sub>1</sub>	C <sub>2</sub>	K	N	O	O <sub>1</sub>	S	X	X <sub>2</sub>	X <sub>S</sub>	T	A, SA Attach.	K, SK Attach.
C2040NEP/C2042NEP	0.500	0.437	0.535	0.375	0.750	0.141	0.205	0.358	0.760	0.693	0.780	0.059	0.007	0.013
C2050NEP/C2052NEP	0.625	0.563	0.626	0.469	0.937	0.205	0.268	0.437	0.953	0.866	0.969	0.079	0.013	0.026
C2060HNEP/C2062HNEP	0.844	0.689	0.750	0.563	1.125	0.205	0.343	0.579	1.240	1.110	1.205	0.126	0.037	0.075
C2080HNEP/C2082HNEP	1.094	0.874	1.000	0.750	1.500	0.268	0.406	0.750	1.602	1.441	1.594	0.157	0.070	0.141
*C2100HNEP/C2102HNEP	1.313	1.125	1.250	0.937	1.875	0.343	0.563	0.921	1.965	1.767	1.984	0.189	0.132	0.265

\*Sizes C2100H and C2102H are available on a make-to-order basis. Allow additional time for attachment chain delivery.

### Standard Roller Type



### Oversize Roller Type

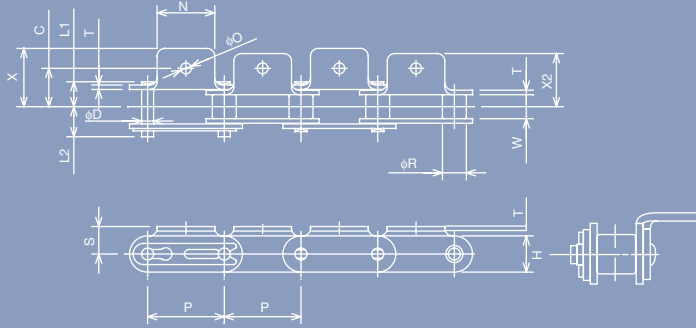


Cotter type connecting links will be supplied for C2080H / C2100H / C2082H / C2102H.

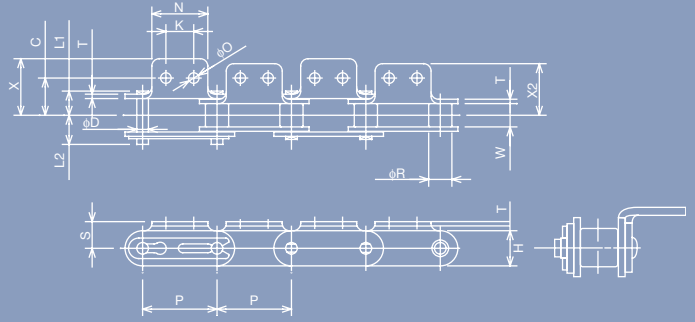
# NEPTUNE CONVEYOR CHAIN

## Neptune Double Pitch Conveyor Chain - Attachments

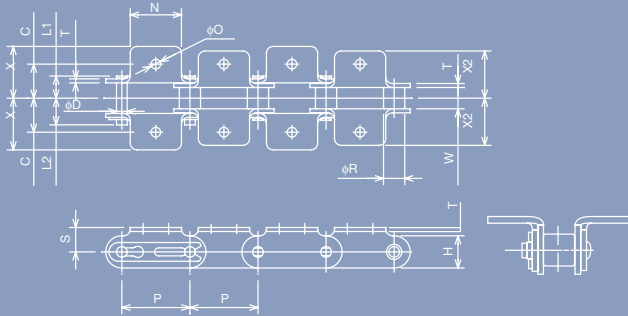
A-1 Attachment



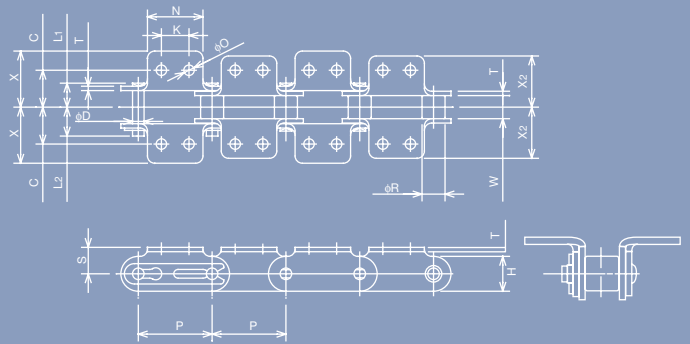
A-2 Attachment



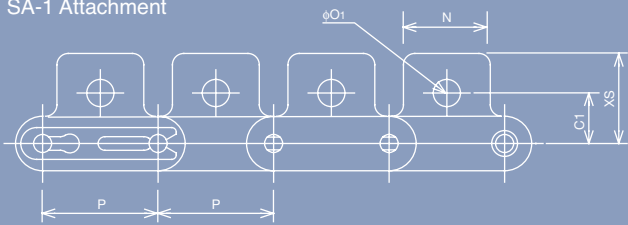
K-1 Attachment



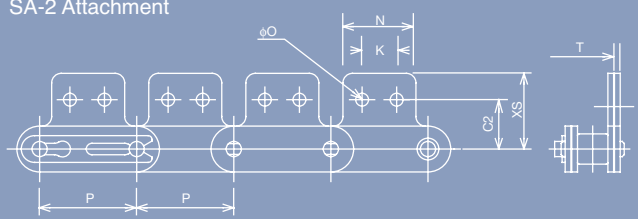
K-2 Attachment



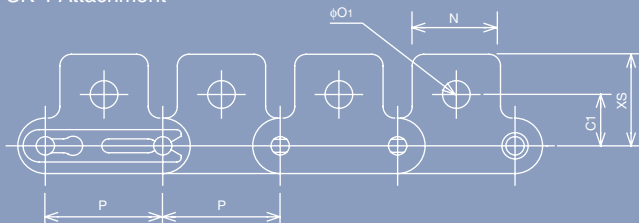
SA-1 Attachment



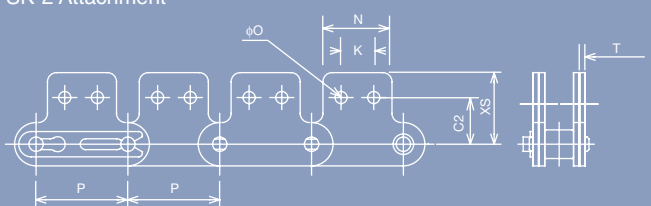
SA-2 Attachment



SK-1 Attachment



SK-2 Attachment





# NEPTUNE CHAIN APPLICATIONS

From the auto industry to food/beverage processing and packaging, Neptune Chain is the clean winner in corrosive conditions. Neptune is ideally suited for harsh conditions such as moist environments, high humidity, salt water, etc. Challenge us with your application!



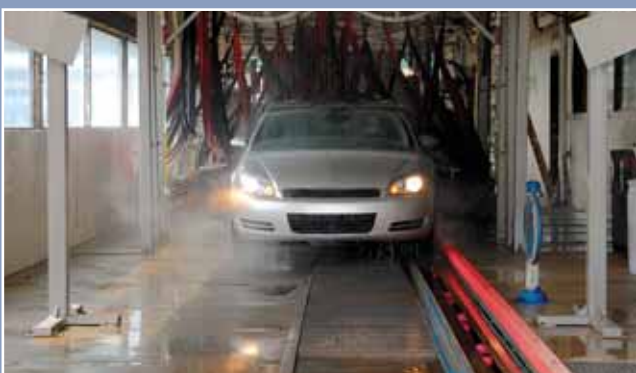
Bottling Line



Canned Food Processing



Sewage Treatment  
(drive chain for collector chain)



Car Wash  
(drive chain for conveyor)

**DISTRIBUTED BY:**



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[www.tsubaki.ca](http://www.tsubaki.ca)

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