

CORROSION/MOISTURE RESISTANT CHAIN

Chain Descriptions and Dimensions

Stainless Steel Chain

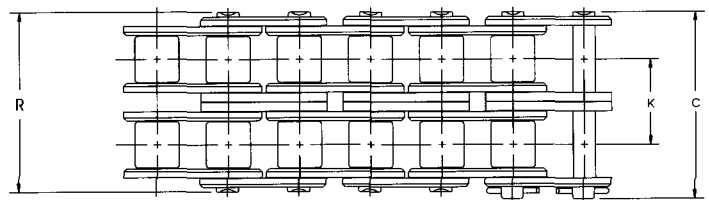
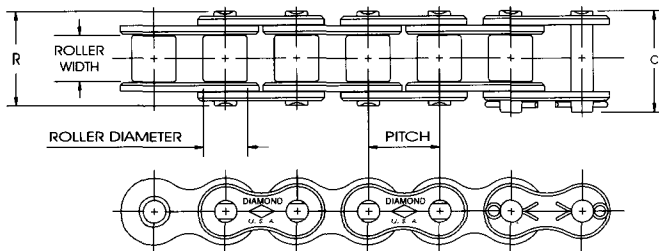
Diamond produces a wide range of Single-Pitch Drive and Double-Pitch Conveyor chains manufactured in four combinations of stainless steel depending upon the specific application.

AP Stainless Chain: This chain is assembled using 300 Series (austenitic stainless) link plates, bushings and rollers along with a precipitation-hardened stainless steel pin. This combination increases the wear life of this chain over those constructed entirely of 300 Series components. AP Stainless chains are well suited for food processing, and are approved by the Food and Drug Administration. AP Stainless will be supplied unless otherwise specified.

300 Series Stainless Chain: These chains are assembled entirely from 300 Series (austenitic) components. They have excellent corrosion resistance and very low magnetic permeability but cannot be expected to have the same wear resistance of our heat treated stainless chains. For industries that require it, 300 Series chains can be considered "non-sparking."

400 Series Stainless Chain: These chains are manufactured using 300 Series link plates but have pins, bushings and rollers that are produced from 400 Series (martensitic) heat treated stainless. This combination significantly increases wear resistance over those that are constructed using only 300 Series stainless chains. The properties of the 400 Series heat treated parts may, in some instances, cause them to discolor when in contact with certain chemicals.

600 Series Stainless Chain: These chains are assembled using 300 Series link plates, with pins, bushings and rollers made from 600 Series (17-4/17-7) precipitation-hardened stainless.



Dimensions in Millimeters

Diamond Number	Pitch mm	Roller Width	Roller Diameter	Pin Diameter	Link Plate Thickness	C	R	K	Weight Kg/Meter	Average Tensile Strength N
47SS	3.747	1.829	2.286	1.575	.381	6.350	5.588	....	.050	800
25SS	6.350	3.175	3.302*	2.286	.762	9.398	8.636	....	.120	3,114
25-2SS	6.350	3.175	3.302*	2.286	.762	16.002	14.986	6.401	.240	6,227
35SS	9.525	4.763	5.080*	3.581	1.270	14.224	12.700	....	.310	7,562
40SS	12.700	7.938	7.925	3.962	1.524	18.288	17.018	....	.610	13,344
40-2SS	12.700	7.938	7.925	3.962	1.524	32.766	31.496	14.376	1.184	26,800
41SS	12.700	6.350	7.772	3.581	1.270	16.510	14.478	....	.420	7,562
50SS	15.875	9.525	10.160	5.080	2.032	22.606	21.082	....	1.010	20,906
50-2SS	15.875	9.525	10.160	5.080	2.032	40.640	39.370	18.110	1.954	42,100
60SS	19.050	12.700	11.913	5.944	2.388	28.194	26.416	....	1.490	30,024
60-2SS	19.050	12.700	11.913	5.944	2.388	51.054	49.276	22.784	2.890	60,500
80SS	25.400	15.875	15.875	7.925	3.175	36.576	33.528	....	2.570	53,376

* Chains are rollerless — dimension shown is bushing diameter.