

OCM STAINLESS ROLLER CHAIN



Why choose OCM stainless chains?

- ✓ Top-Performing Corrosion-Resistant
- ✓ High Protection
- ✓ Satisfactory Performance
- ✓ Variety of stainless steel chains
- ✓ MADE IN JAPAN

Ratings



OCM STAINLESS ROLLER CHAIN

Stainless Roller Chain SUS Series

This chain is made of 304 (austenitic) stainless steel. This chain has excellent corrosive resistance and very low magnetic permeability. This chain is good for general acid, alkali and water. Heat resistance.

Stainless Roller Chain SAC Series

This chain is made of 316 (austenitic) stainless steel. This is better in corrosion resistance than SUS Series and non-magnetic. Spring clips and cotters used are made of 304 stainless steel. Heat resistance.

Stainless Roller Chain SPH Series

The pin, bush and roller of this chain are made of 600 Series precipitation hardened stainless steel with link plate of 304 stainless steel. Spring clips and cotters used are made of 304 stainless steel. Magnetic. Better wear resistance. The working load of this chain is 1.5 times SUS Series.

OCM Stainless Steel Applicable products

ANSI	HOLLOW PIN CHAIN
BS	STRAIGHT PLATE CHAIN (OCM E SERIES)
DOUBLE PITCH	ROLLER CHAIN WITH EXTENDED PIN
MNI PITCH	CONVEYOR CHAIN
ATTACHMENT CHAIN	SPROCKET
PLASTIC CHAIN	

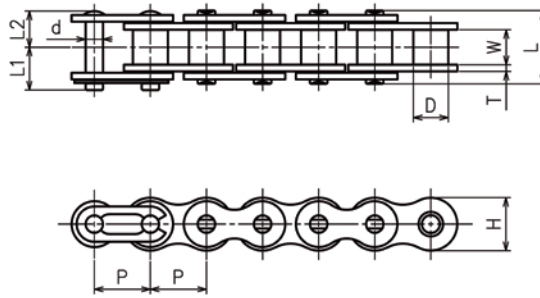


MADE IN JAPAN

OCM STAINLESS STEEL CHAIN are being manufactured from the components processing in Japan.

The materials for OCM stainless steel chains are supplied by major Japanese steel mills.

ANSI STAINLESS ROLLER CHAIN



UNIT Upper : inch
Beneath : mm

OCM Chain No.	Pitch P	Roller Diam. D	Width between L.P. W	Link Plate		Pin Diam. d	Pin			Allowable Load Lb/kgf	Approx Weight Lb/ft kg/m
				H	T		L	L1	L2		
OCM 15 SUS	0.188 4.763	0.098 2.48	0.094 2.38	0.173 * 4.40	0.022 0.57	0.064 1.62	0.224 5.70	0.154 3.90	0.114 2.90	11 5	0.062 0.093
OCM 25 SUS	0.25 6.35	0.13 3.30	0.126 3.20	0.23 * 5.85	0.03 0.75	0.091 2.30	0.307 7.80	0.189 4.80	0.154 3.90	26 12	0.087 0.13
OCM 35 SUS	0.375 9.525	0.2 5.08	0.189 4.80	0.354 * 9.00	0.049 1.25	0.141 3.58	0.465 11.80	0.264 6.70	0.24 6.10	66 30	0.249 0.37
OCM 40 SUS	0.50 12.70	0.312 7.92	0.313 7.95	0.472 12.00	0.059 1.50	0.156 3.96	0.654 16.60	0.402 10.20	0.323 8.20	99 45	0.444 0.66
OCM 50 SUS	0.625 15.875	0.4 10.16	0.376 9.55	0.591 15.00	0.079 2.00	0.2 5.08	0.819 20.80	0.48 12.20	0.406 10.30	165 75	0.726 1.08
OCM 60 SUS	0.75 19.05	0.469 11.91	0.5 12.70	0.709 18.00	0.094 2.40	0.234 5.95	1.02 25.90	0.598 15.20	0.5 12.70	231 105	1.075 1.6
OCM 80 SUS	1.00 25.40	0.625 15.88	0.626 15.90	0.945 24.00	0.126 3.20	0.313 7.94	1.299 33.00	0.76 19.30	0.65 16.50	397 180	1.882 2.8
OCM 100 SUS	1.25 31.75	0.75 19.05	0.754 19.15	1.181 30.00	0.157 4.00	0.375 9.53	1.701 43.20	0.909 23.10	0.791 20.10	573 260	2.823 4.2
OCM 120 SUS	1.50 38.10	0.875 22.23	1.006 25.55	1.417 36.00	0.197 5.00	0.437 11.11	2.02 51.30	1.134 28.80	1.008 25.60	882 400	4.167 6.2

Connecting link for 80 and above is cotter type.

* indicates bush diameters.

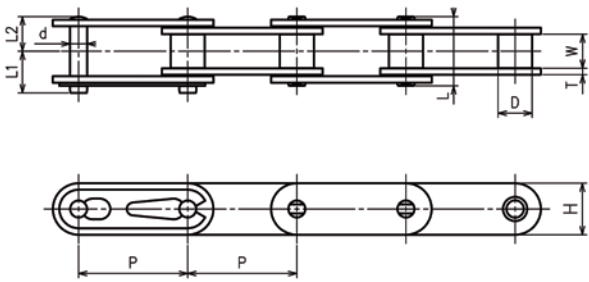
UNIT Upper : inch
Beneath : mm

OCM Chain No.	Pitch P	Roller Diam. D	Width between L.P. W	Link Plate		Pin Diam. d	Pin			Allowable Load Lb/kgf	Approx Weight Lb/ft kg/m
				H	T		L	L1	L2		
OCM 40 SPH	0.50 12.7	0.312 7.92	0.313 7.95	0.472 12	0.059 1.5	0.156 3.96	0.654 16.6	0.402 10.2	0.323 8.2	154 70	0.403 0.6
OCM 50 SPH	0.625 15.875	0.4 10.16	0.376 9.55	0.591 15	0.079 2	0.2 5.08	0.819 20.8	0.48 12.2	0.406 10.3	231 105	0.726 1.08
OCM 60 SPH	0.75 19.05	0.469 11.91	0.5 12.7	0.709 18	0.094 2.4	0.234 5.95	1.02 25.9	0.598 15.2	0.5 12.7	353 160	1.075 1.6
OCM 80 SPH	1.00 25.4	0.625 15.88	0.626 15.9	0.945 24	0.126 3.2	0.313 7.94	1.299 33	0.76 19.3	0.65 16.5	595 270	1.882 2.8

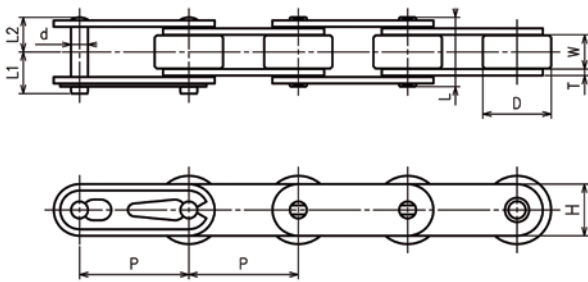
UNIT Upper : inch
Beneath : mm

OCM Chain No.	Pitch P	Roller Diam. D	Width between L.P. W	Link Plate		Pin Diam. d	Pin			Allowable Load Lb/kgf	Approx Weight Lb/ft kg/m
				H	T		L	L1	L2		
OCM 50 SAC	0.63 15.875	0.4 10.16	0.376 9.55	0.591 15	0.079 2	0.2 5.08	0.819 20.8	0.48 12.2	0.406 10.3	165 75	0.726 1.08

STAINLESS DOUBLE PITCH ROLLER CHAIN



SMALL ROLLER



LARGE ROLLER

UNIT Upper : inch
Beneath : mm

SMALL ROLLER

OCM Chain No.	Pitch P	Roller Diam. D	Width between L.P. W	Link Plate		Pin Diam. d	Pin			Allowable Load	Approx Weight
				H	T		L	L1	L2	Lb/kgf	Lb/ft kg/m
C2040 SUS	1.000 25.4	0.312 7.92	0.313 7.95	0.472 12	0.059 1.5	0.156 3.96	0.654 16.6	0.402 10.2	0.323 8.2	99 45	0.34 0.51
C2050 SUS	1.250 31.75	0.4 10.16	0.376 9.55	0.591 15	0.079 2	0.2 5.08	0.819 20.8	0.476 12.1	0.409 10.4	165 75	0.58 0.87
C2060H SUS	1.500 38.1	0.469 11.91	0.5 12.7	0.677 17.2	0.126 3.2	0.234 5.95	1.142 29	0.669 17	0.563 14.3	231 105	1.01 1.51
C2080H SUS	2.000 50.8	0.625 15.88	0.626 15.9	0.945 24	0.157 4	0.313 7.94	1.437 36.5	0.839 21.3	0.709 18	397 180	1.79 2.66

UNIT Upper : inch
Beneath : mm

LARGE ROLLER

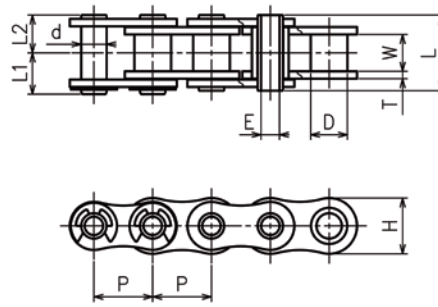
OCM Chain No.	Pitch P	Roller Diam. D	Width between L.P. W	Link Plate		Pin Diam. d	Pin			Allowable Load	Approx Weight
				H	T		L	L1	L2	Lb/kgf	Lb/ft kg/m
C2042 SUS	1.000 25.4	0.625 15.88	0.313 7.95	0.472 12	0.059 1.5	0.156 3.96	0.654 16.6	0.402 10.2	0.323 8.2	99 45	0.58 0.87
C2052 SUS	1.250 31.75	0.75 19.05	0.376 9.55	0.591 15	0.079 2	0.2 5.08	0.819 20.8	0.476 12.1	0.409 10.4	165 75	0.91 1.35
C2062H SUS	1.500 38.1	0.875 22.23	0.5 12.7	0.677 17.2	0.126 3.2	0.234 5.95	1.142 29	0.669 17	0.563 14.3	231 105	1.47 2.19
C2082H SUS	2.000 50.8	1.125 28.58	0.626 15.9	0.945 24	0.157 4	0.313 7.94	1.437 36.5	0.839 21.3	0.709 18	397 180	2.47 3.68

Note: Connecting link for C2040/C2042 to C2060H/C2060H is spring clip while C2080H/C2082H and above is cotter type.

OCM Chain No.		Allowable Load		OCM Chain No.		Allowable Load	
		kgf	Lbs			kgf	Lbs
C2040-SAC	C2042-SAC	45	99	C2040-SPH	C2042-SPH	70	154
C2050-SAC	C2052-SAC	75	165	C2050-SPH	C2052-SPH	105	231
C2060H-SAC	C2062H-SAC	105	231	C2060H-SPH	C2062H-SPH	160	353
C2080H-SAC	C2082H-SAC	180	397	C2080H-SPH	C2082H-SPH	270	595

Dimensions of SAC and SPH are the same as SUS.

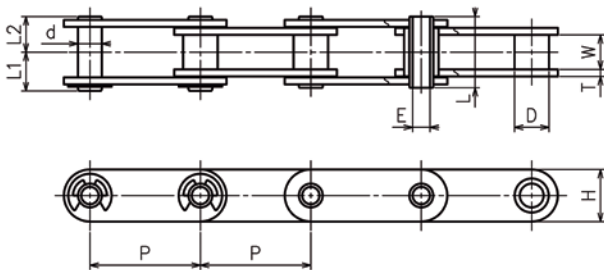
STAINLESS HOLLOW PIN CHAIN



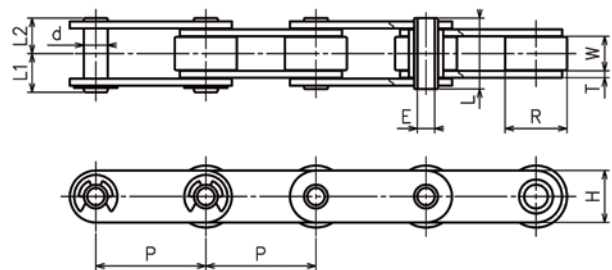
CHAIN IS ROLLERLESS

UNIT Upper : inch
Beneath : mm

OCM Chain No.	Pitch P	Roller Diam. D	Width between L.P. W	Pin Diam. d	Trans Pitch E(MIN)	Pin			Link Plate		Allowable Load	Approx Weight
						L	L1	L2	H	T	Lb/kgf	Lb/ft kg/m
40HP SUS	0.500 12.7	0.312 7.92	0.313 7.95	0.222 5.65	0.157 4	0.63 16	0.362 9.2	0.315 8	0.472 12	0.059 1.5	99 45	0.34 0.51
50HP SUS	0.625 15.875	0.4 10.16	0.376 9.55	0.284 7.21	0.202 5.12	0.799 20.3	0.451 11.45	0.4 10.15	0.591 15	0.079 2	165 75	0.56 0.84
60HP SUS	0.750 19.05	0.469 11.91	0.5 12.7	0.327 8.3	0.236 6	1 25.4	0.559 14.2	0.5 12.7	0.709 18	0.094 2.4	231 105	0.83 1.23
80HP SUS	1.000 25.4	0.625 15.88	0.626 15.9	0.433 11	0.315 8	1.287 32.7	0.703 17.85	0.644 16.35	0.949 24.1	0.126 3.2	397 180	1.48 2.2



TYPE ROLLERLESS

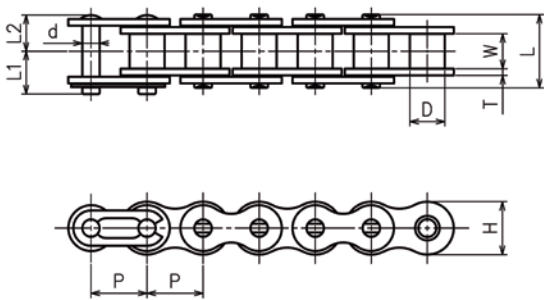


TYPE LARGE ROLLER

UNIT Upper : inch
Beneath : mm

OCM Chain No.	Pitch P	Roller Diam. D	R	Width between L.P. W	Pin Diam. d	Trans Pitch E(MIN)	Pin			Link Plate		Allowable Load	Approx Weight
							L	L1	L2	H	T	Lb/kgf	Lb/ft kg/m
C2040HP-C2042HP SUS	1.000 25.4	0.312 7.92	0.625 15.88	0.313 7.95	0.222 5.65	0.157 4	0.63 16	0.362 9.2	0.315 8	0.472 12	0.059 1.5	99 45	0.3 0.45
C2050HP-C2052HP SUS	1.250 31.75	0.4 10.16	0.75 19.05	0.376 9.55	0.284 7.21	0.202 5.12	0.799 20.3	0.451 11.45	0.4 10.15	0.591 15	0.079 2	165 75	0.5 0.74
C2060HP-C2062HP SUS	1.500 38.1	0.469 11.91	0.875 22.23	0.5 12.7	0.327 8.3	0.236 6	1 25.4	0.559 14.2	0.5 12.7	0.677 17.2	0.094 2.4	231 105	0.69 1.02
C2080HP-C2082HP SUS	2.000 50.8	0.625 15.88	1.125 28.58	0.626 15.9	0.433 11	0.315 8	1.287 32.7	0.703 17.85	0.644 16.35	0.945 24	0.126 3.2	397 180	1.28 1.91

BS/DIN STAINLESS ROLLER CHAIN



Material : 304 stainless steel
UNIT : mm

OCM Chain No.	Pitch P	Width between L.P. W	Link Plate H	Roller Diam. D	Link Plate T	Pin Diam. d	Pin			Allowable Load	Approx Weight
							L	L1	L2	kgf/kN	kg/m
04 SUS	6.00	2.80	4.90	4.00	0.60	1.85	7.35			6/0.06	0.11
05B SUS	8.00	3.00	7.10	5.00	0.75	2.31	8.65			12/0.12	0.18
06B SUS	9.525	5.72	8.20	6.35	1.00	3.28	13.75	7.25	6.50	27/0.26	0.39
08B SUS	12.70	7.75	12.00	8.51	1.50	4.45	18.40	10.05	8.35	45/0.44	0.55
10B SUS	15.875	9.65	14.70	10.16	1.50	5.08	19.10	11.25	9.55	70/0.70	0.94
12B SUS	19.05	11.68	16.10	12.07	1.80	5.72	22.20	13.00	11.10	105/1.00	1.25
16B SUS	25.40	17.02	20.30	15.88	3.2	8.26	35.10	20.60	17.60	210/2.06	2.59

Connecting link for 16B is cotter. 06B is straight link plate.

OCM Stainless Steel Roller Chain - Resistance to Corrosive Agents or Foods

Agent or Food	Temp. (°C)	Corrosion Resistance
Acetone		○
Linseed Oil	20	○
Ammonia Gas	20	×
Ammonia Water		○
Sulfurous Acid Gas (Wet)	20	△
Yeast		○
Whiskey		○
Ethyl Alcohol		○
Ethyl Ether	20	○
● Ammonium Chloride 50% (Boiling)		○
● Zinc Chloride 5% (Standstill)	20	△
● Potassium Chloride 5% (incl. air)	20	△
■ (Enriched) Calcium Chloride	20	○
▲● Ferric Chloride 1% (Standstill)	20	×
▲● Ferric Chloride 5% (Standstill)	20	×
Silver Chloride		×
● Copper Chlorides 1% (incl. air)	20	○
● Sodium Chloride (Salt) Saturated	20	○
Sulphur Chlorides		×
Hydrochloric Acid	20	×
Chlorine Gas (Dry)	20	△
Chlorine Gas (Wet)	20	×
● Oleic Acid	20	○
● Sea Water		△
Sodium Perchlorate 10% (Boiling)		○
▲ Hydrogen Peroxide	20	△
Potassium Permanganate 5%	20	○
Gasoline	20	○
Fruit Juice	20	○
Formic Acid 5% (Standstill)	20	○
Milk (Hyperthermia)		○
Citric Acid 15% (Boiling)	20	○
Sodium Citrate	20	○
Glycerol	20	○
Creosote (High Temperature)		○
Chromic Acid 5%	20	○
Chloroform	20	○
Gas Oil	20	○
● Ketchup	20	○
▲ Sewage		○
Developer (Photograph)	20	△
Coca-Cola Syrup	20	○
Coffee (Boiling)		○
Acetic Acid 20% (incl. air)	20	○
Copper Acetate (Saturated)	20	△
Calcium Hydroxide 20% (Boiling)		○
Cyanide Gas	20	○
Sodium Cyanide	20	○
Oxalic Acid 10%		○
Oxalic Acid 10% (Boiling)		×
Tartaric Acid	20	○
Fatty Acid	20	○

Agent or Food	Temp. (°C)	Corrosion Resistance
Fat (Melting)		○
Potassium Dichromate	20	○
Bromine Water	70	×
Nitric Acid 5%	20	○
Nitric Acid 50%	20	○
(Enriched) Nitric Acid	20	○
Ammonium Nitrate Saturated (Boiling)		○
Zinc Nitrate (High Temperature)		○
Potassium Nitrate (High Temperature)		○
Vinegar (incl. air)	20	○
Stearic Acid		○
Potassium Hydroxide 27% (Boiling)		○
Sodium Hydroxide		○
Unmixed Carbolic Acid (Boiling)		○
Petroleum	20	○
Soap	20	○
Gelatine	20	○
Calcium Carbonate 1%	20	○
Barium Carbonate	20	○
Tannic Acid	20	○
Aerated Water		○
Turpentine Oil	35	○
Kerosene	20	○
Molasses		○
Varnish (High Temperature)		○
● Lactic Acid 5%	20	○
Lactic Acid 10%	65	△
Hypo, Sodium Thiosulfate 25% (Boiling)		○
Paraffin (High Temperature)		○
Pulp		○
Sodium Hypochlorite	35	△
Picric Acid	20	○
Beer		○
Wine	20	○
Benzene, Benzol	20	○
Hop		○
Formalin		○
Boric Acid		○
● Mayonnaise	20	○
Methane Gas		○
Methyl Alcohol	20	○
Vegetable Juice		○
Butyric Acid 5%	35	○
Butyric Acid 5%	65	○
Lard	20	○
Malic Acid (High Temperature)	20	○
Phosphoric Acid 5%	20	○
Phosphoric Acid 10%	20	△
Hydrogen Sulfide (Dry Gas)		×
Sulfuric Acid 5% (Boiling)		×
Zinc Sulfate (Saturated)	20	○
Aluminum Suldate (Saturated)	20	○
Sodium Sulfate (Enriched)	20	○

Note

The above table is based on the test at laboratory and not guaranteed data. For actual use, synthetical study based on working condition is required.

(●) subject to pitting corrosion in dry condition
(▲) in case sulfuric acid is mixed
(■) on condition the solution does not contain water
(○) corrosion resistant
(△) corrosion resistant depending on working condition
(×) not corrosion resistant



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