

Are You Satisfied With Your Current Stainless-steel Chain?

- Does your current SS Chain had a problem with insufficient tensile strength?
- Does your current SS Chain had a elongation problem and easily extend?
- Does your current SS Chain have a good Fatigue Performance?

Current Stainless-steel Chain Weakness

- ◆ Shear Stress on Pin
- ◆ Efficiency Friction Area



Please Consider the new design of the next generation...

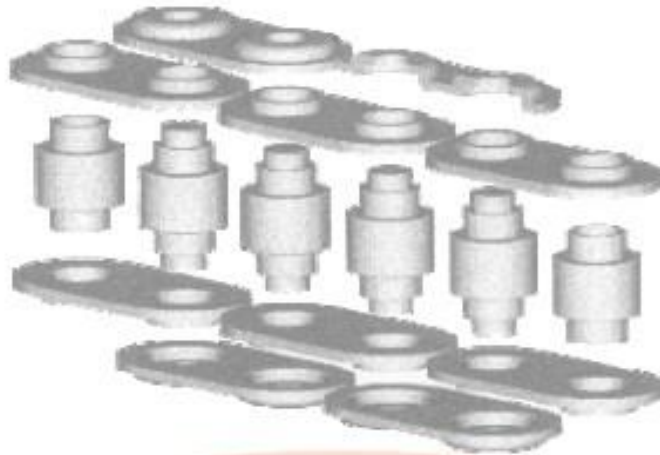


MEGA-CHAIN

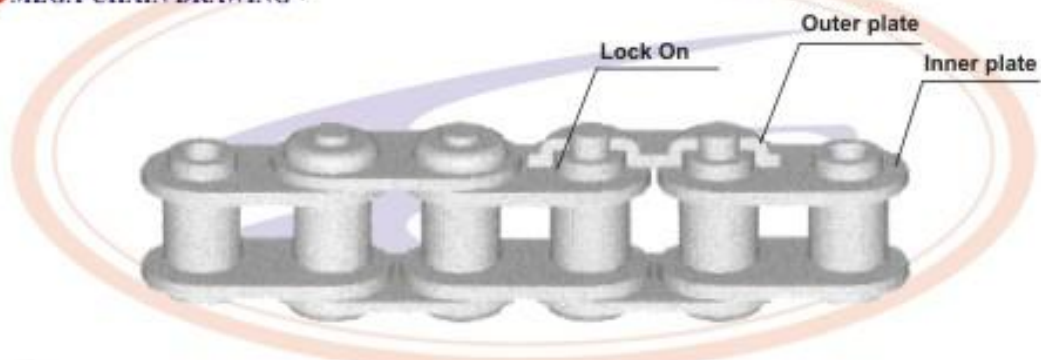
- * Helps to extend the life span of the machinery.
- * Reduce the maintenance time and increase the production efficiency.



● MEGA-CHAIN DETAIL DRAWING :

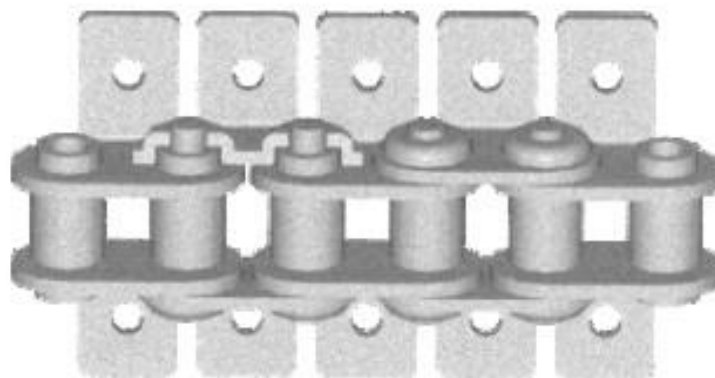


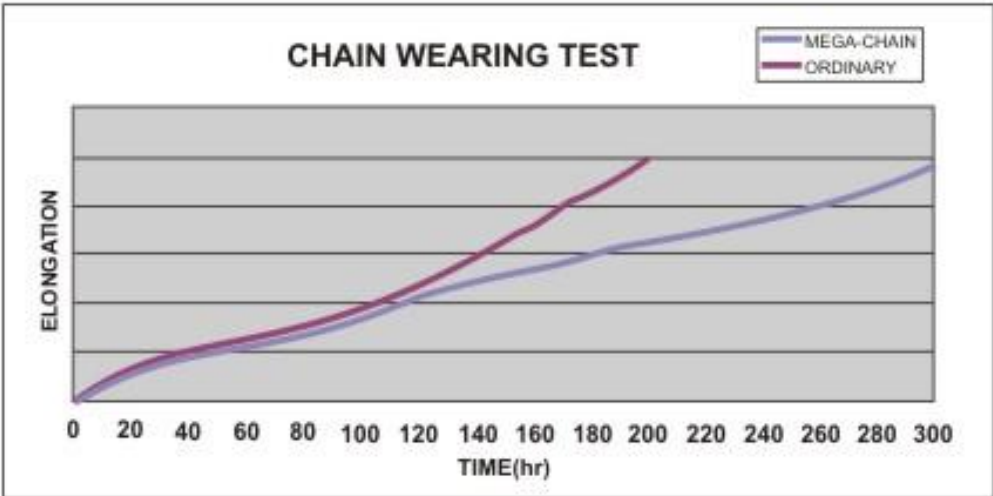
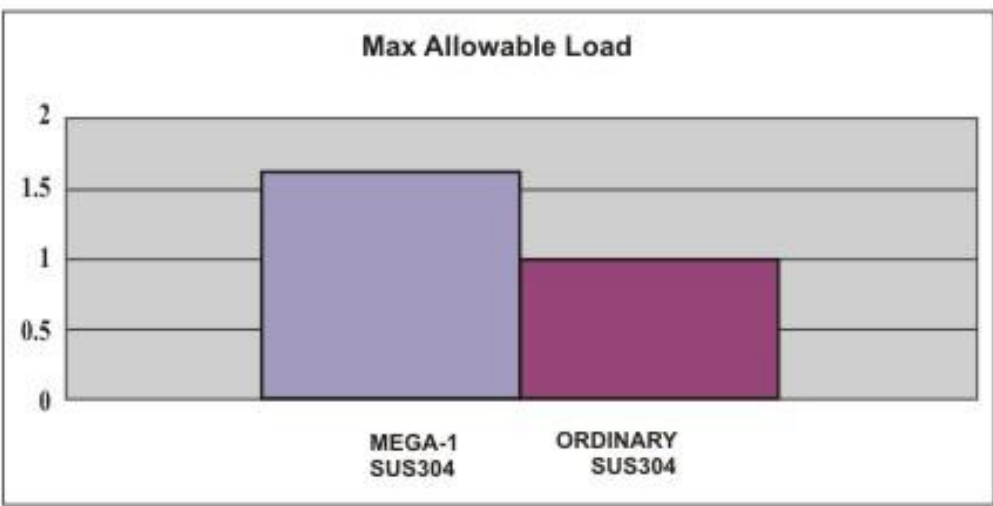
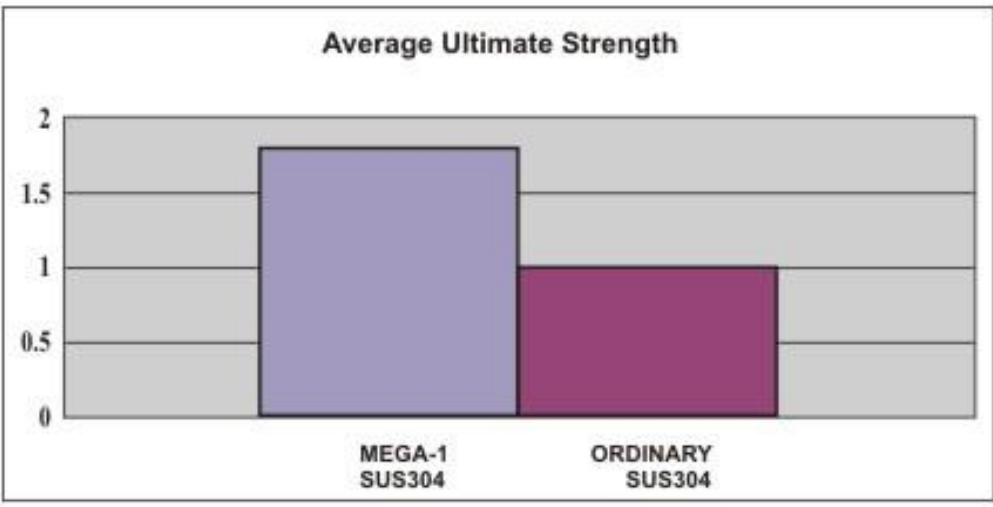
● MEGA-CHAIN DRAWING :



■ The structure of outer & inner plate which locked on to each other will increase the tensile strength. Due to the "lock on" between the outer plate and inner plate this will divided the shear stress especially on heavy load or tough environment.

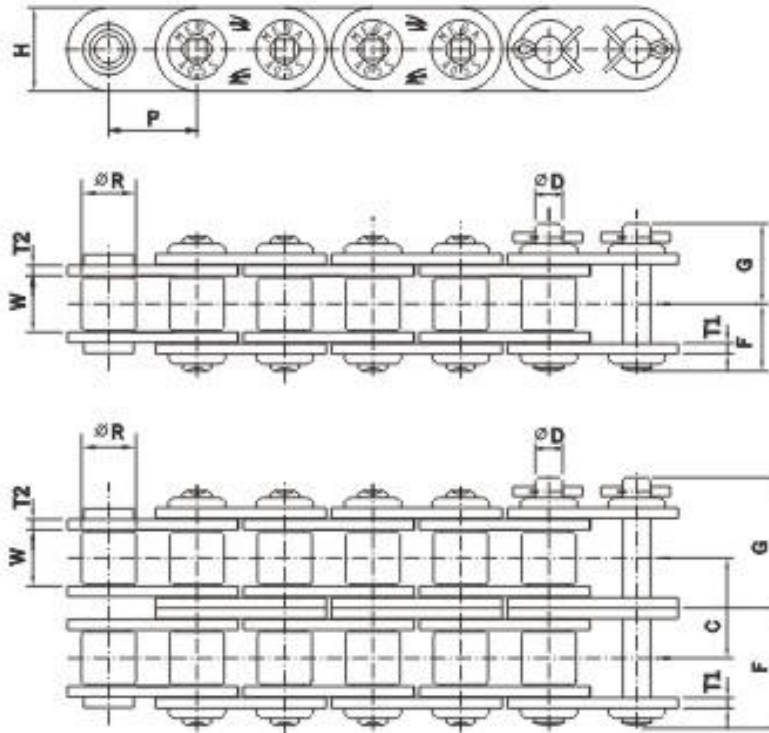
● MEGA ATTACHMENT DRAWING :







MEGA CHAIN



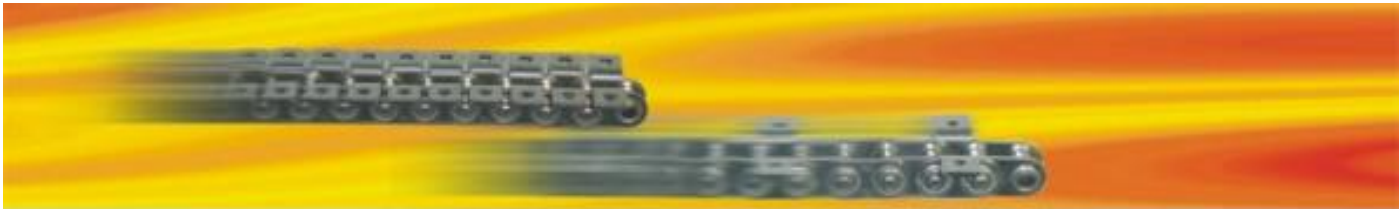
Dimensions : mm

MEGA CHAIN NO.	Pitch x Width		Roller	Links			Pin			Transverse Pitch	Average Ultimate Strength kgf	Max Allowable Load Kgf
	P x W		Dia	Height	Thickness		Dia	Lengths				
	Inch	mm	R	H	T1	T2	D	F	G			
40SS-1	1/2"x5/16"	12.7x7.95	7.92	12	1.5	1.5	3.96	9.65	11.55	---	1800	70
40SS-2	1/2"x5/16"	12.7x7.95	7.92	12	1.5	1.5	3.96	16.85	18.75	14.4	3000	110
50SS-1	5/8"x3/8"	15.875x9.53	10.16	15	2.0	2.0	5.06	12.15	14.25	---	3200	120
50SS-2	5/8"x3/8"	15.875x9.53	10.16	15	2.0	2.0	5.06	21.2	23.3	18.1	4800	190
60SS-1	3/4"x1/2"	19.05x12.7	11.91	18.1	2.35	2.35	5.94	15.15	17.45	---	4400	165
60SS-2	3/4"x1/2"	19.05x12.7	11.91	18.1	2.35	2.35	5.94	26.55	28.85	22.8	6800	280
80SS-1	1"x5/8"	25.4x15.88	15.88	24	3.0	3.0	7.94	19.3	21.95	---	7200	290
80SS-2	1"x5/8"	25.4x15.88	15.88	24	3.0	3.0	7.94	33.95	36.6	29.3	10800	490
08BSS-1	0.5"x0.305"	12.7x7.75	8.51	11.81	1.5	1.5	4.44	9.7	11.55	---	1850	80
08BSS-2	0.5"x0.305"	12.7x7.75	8.51	11.81	1.5	1.5	4.44	16.65	18.5	13.92	3000	125
12BSS-1	0.75"x0.46"	19.05x11.68	12.07	16	1.8	1.8	5.67	13	15.3	---	3700	140
12BSS-2	0.75"x0.46"	19.05x11.68	12.07	16	1.8	1.8	5.67	22.75	25	19.46	5700	235

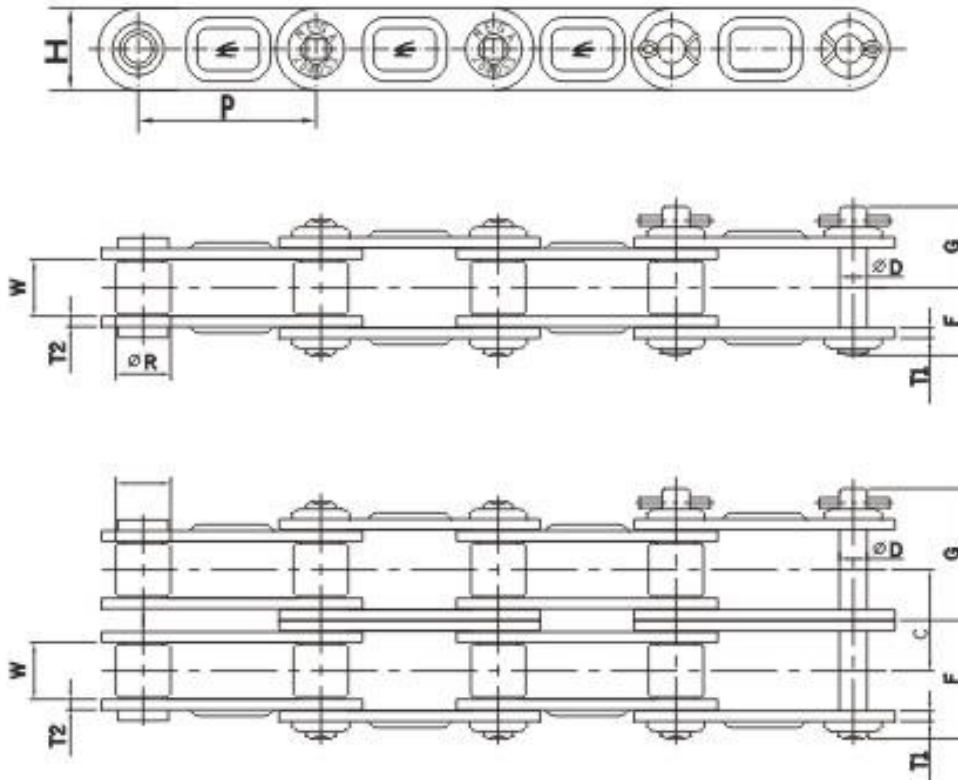
■ Sprocket : Standard Roller Chain sprockets can be used.

■ Due to the new design of the plate the pin is now longer(F,G).Please check for any interference.

■ Material : AISI304(SS)



DOUBLE PITCH MEGA CHAIN



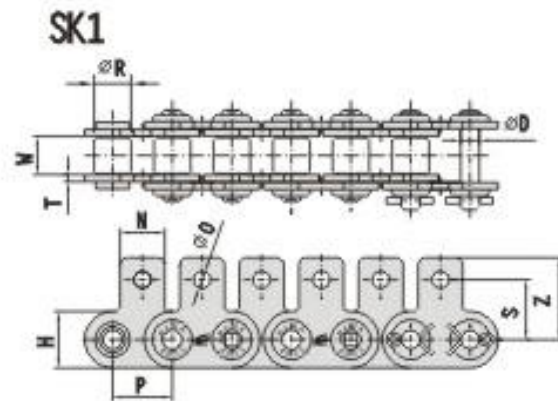
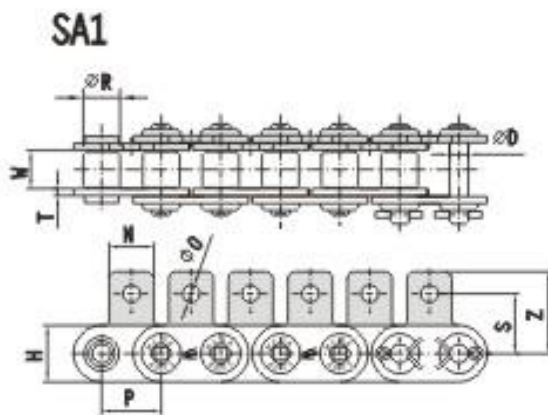
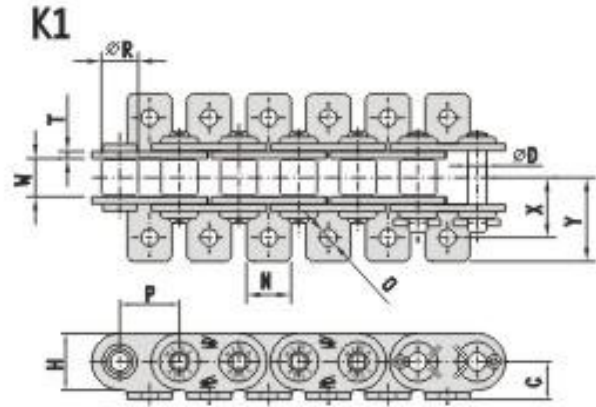
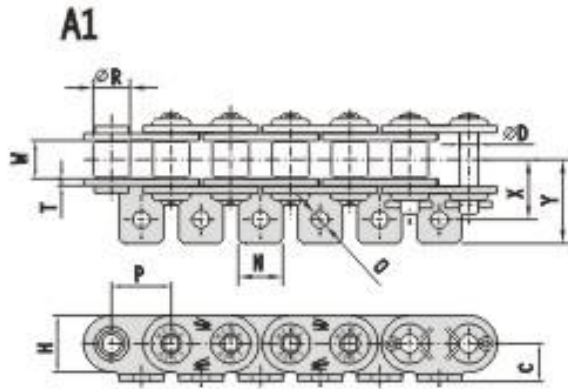
Dimensions : mm

MEGA CHAIN NO.	Pitch x Width		Roller	Links			Pin			Transverse Pitch C	Average Ultimate Strength kgf	Max Allowable Load Kgf
	P x W		Dia	Height	Thickness		Dia	Lengths				
	Inch	mm	R	H	T1	T2	D	F	G			
2060SS-1	1-1/2"x1/2"	38.1x12.7	11.91	17.20	2.35	2.35	5.94	15.15	17.45	---	4400	165
2060SS-2	1-1/2"x1/2"	38.1x12.7	11.91	17.20	2.35	2.35	5.94	26.55	28.85	22.8	6800	280

- Double strands chain also can be manufacture.
- Sprocket : Standard Roller Chain sprockets can be used.
- Due to the new design of the plate the pin is now longer (F,G).Please check for any interference.
- Material : AISI304(SS)



MEGA CHAIN ATTACHMENTS



Dimensions : mm

MEGA CHAIN NO.	Pitch x Width		Roller	Links		Pin	Attachment							Average Ultimate Strength kgf	Max Allowable Load Kgf
	P x W		Dia	Height	Thickness	Dia			A1	K1	SA1	SK1			
	Inch	mm	R	H	T	D	N	O	C	X	Y	S	Z		
40SS	1/2"x5/16"	12.7x7.95	7.92	12	1.5	3.96	9.5	3.5	8.0	12.7	17.8	12.7	17.4	1800	70
50SS	5/8"x3/8"	15.875x9.53	10.16	15	2.0	5.06	12.7	5.1	10.3	15.9	23.4	15.9	23.05	3200	120
60SS	3/4"x1/2"	19.05x12.7	11.91	18.1	2.35	5.94	15.88	5.1	11.9	19.05	28.2	18.3	26.85	4400	165
80SS	1"x5/8"	25.4x15.88	15.88	24	3.0	7.94	19.1	6.7	15.9	25.4	36.6	24.6	35.45	7200	290

■ Sprocket : Standard Roller Chain sprockets can be used.

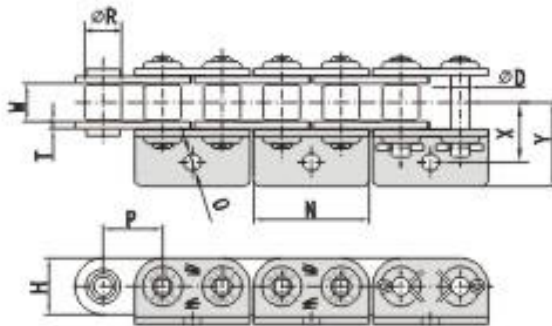
■ Due to the new design of the plate the pin is now longer (F,G). Please check for any interference.

■ Material : AISI304(SS)

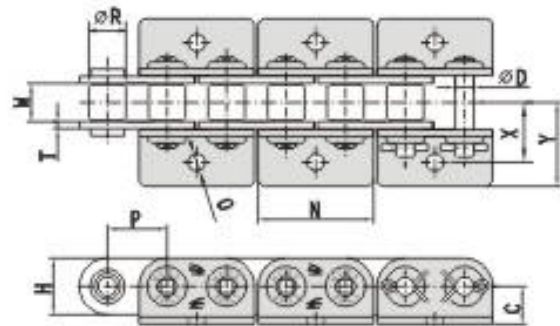


MEGA CHAIN ATTACHMENTS

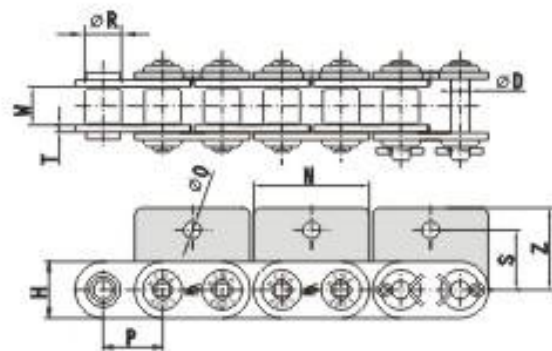
WA1



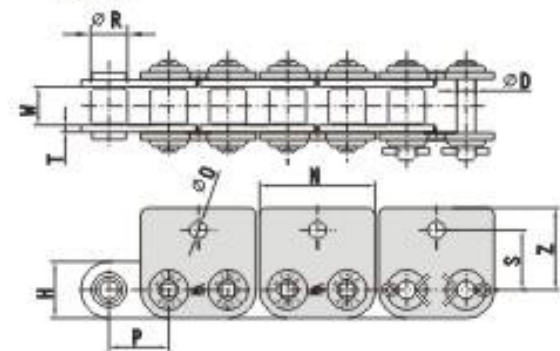
WK1



WSA1



WSK1



Dimensions : mm

MEGA CHAIN NO.	Pitch x Width		Roller	Links		Pin	Attachment							Average Ultimate Strength kgf	Max Allowable Load Kgf
	P x W		Dia	Height	Thickness	Dia	WA1		WK1		WSA1 WSK1				
	Inch	mm	R	H	T	D	N	O	C	X	Y	S	Z		
40SS	1/2"x5/16"	12.7x7.95	7.92	12	1.5	3.96	24.58	4.4	8.0	12.7	17.8	12.7	17.4	1800	70
50SS	5/8"x3/8"	15.875x9.53	10.16	15	2.0	5.06	30.8	5.5	10.3	15.9	23.4	15.9	23.05	3200	120
60SS	3/4"x1/2"	19.05x12.7	11.91	18.1	2.35	5.94	37.0	6.5	11.9	19.05	28.2	18.3	26.85	4400	165
80SS	1"x5/8"	25.4x15.88	15.88	24	3.0	7.94	49.5	8.9	15.9	25.4	36.6	24.6	35.45	7200	290

■ Sprocket : Standard Roller Chain sprockets can be used.

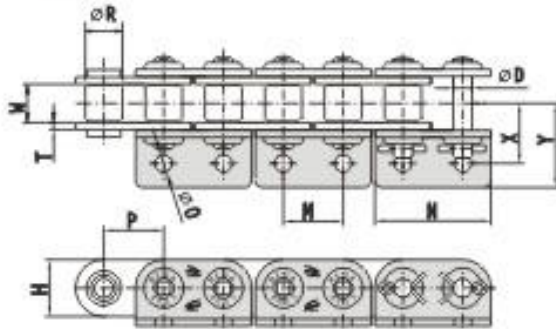
■ Due to the new design of the plate the pin is now longer (F,G). Please check for any interference.

■ Material : AISI304(SS)

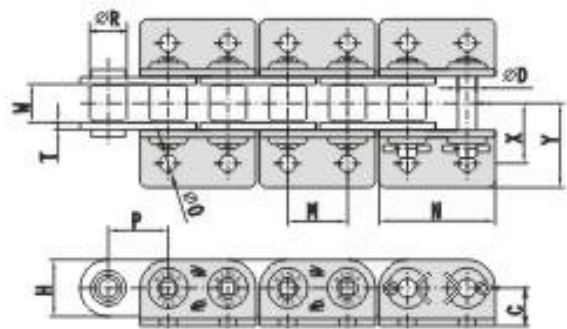


MEGA CHAIN ATTACHMENTS

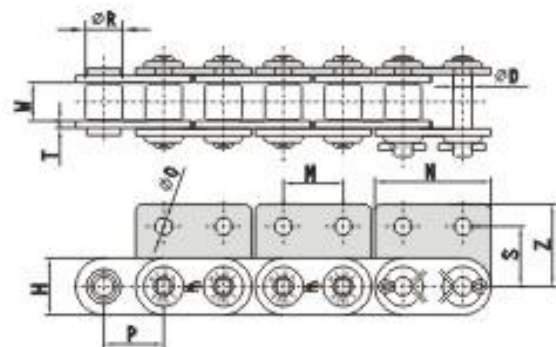
WA2



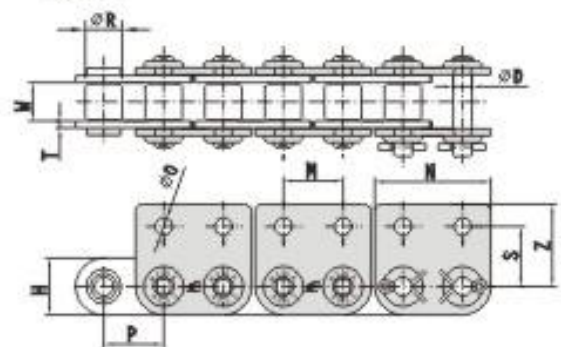
WK2



WSA2



WSK2



Dimensions : mm

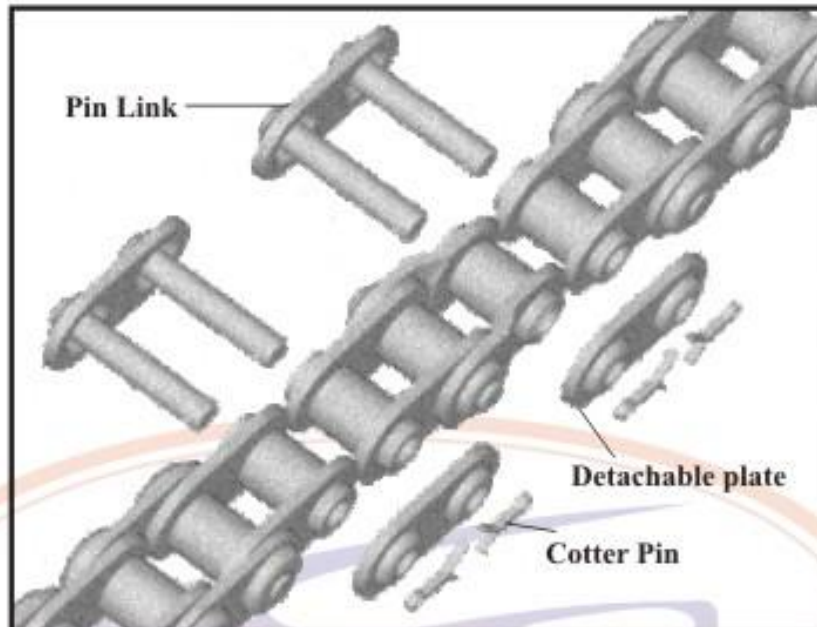
MEGA CHAIN NO.	Pitch x Width		Roller Dia	Links		Pin Dia	Attachment								Average Ultimate Strength kgf	Max Allowable Load Kgf
	P x W			Height H	Thickness T											
	Inch	mm	R			H	T	D	M	N	O	C	X	Y	S	Z
40SS	1/2"x5/16"	12.7x7.95	7.92	12	1.5	3.96	12.7	24.58	4.4	8.0	12.7	17.8	12.7	17.4	1800	70
50SS	5/8"x3/8"	15.875x9.53	10.16	15	2.0	5.06	15.88	30.8	5.4	10.3	15.9	23.4	15.9	23.05	3200	120
60SS	3/4"x1/2"	19.05x12.7	11.91	18.1	2.35	5.94	19.05	37.0	6.5	11.9	19.05	28.2	18.3	26.85	4400	165
80SS	1"x5/8"	25.4x15.88	15.88	24	3.15	7.94	25.4/26.0	49.5	8.9/5.1	15.9	25.4	36.6	24.6	35.45	7200	290

■ Sprocket : Standard Roller Chain sprockets can be used.

■ Due to the new design of the plate the pin is now longer (F,G). Please check for any interference.

■ Material : AISI304(SS)

● Method of Connecting Two-Pitch Offset-links :



REPRESENTATIVE MATERIALS AGAINST CORROSIVE							
Liquid	Standard	AISI300	AISI400	Liquid	Standard	AISI300	AISI400
Ammonia Liquid	▲	0	0	Soap Water	▲	0	0
Hydrochloric Acid(2%)	×	×	×	Beer	0	0	0
Salt Water	×	▲	×	Fruit Juice	×	0	▲
Hydrogen Peroxide	×	0	▲	Fruit Liquor	0	0	0
Caustic Soda(25%)	×	0	0	Water	×	0	0
Formic Acid	×	×	×	Vapor	×	0	0
Milk	0	0	0	Pyroligneous Acid	×	0	▲
Lactic Acid	×	0	×	Vegetable Juice	▲	0	0
Citric Acid	×	0	▲	Sulfuric Acid	×	×	×
Acetic Acid(5%)	×	0	×	Phosphoric Acid	×	▲	×
Nitric Acid	×	0	▲				
Vinegar	×	▲	×				

0 :Corrosion Resistant

▲ :Fairly Resistant to Corrosion

× :Corrosive



CORROSION RESISTANCE TABLE AISI304(18-8)STAINLESS MEGA CHIAN							
Agent	Dens %	Temp °F	Res. Cap	Agent	Dens %	Temp °F	Res. Cap
Nitrous Acid	20	175	▲	Citric Acid	10-50	75	▲
	100	75	▲		100	75	▲
Acetone	10-90	75 · 210	▲	Chromic Acid	10-50	175	▲
	100	75-210	0		10-100	210	×
Benzoic acid	10-100	75	▲	50	75	▲	
	10-100	210	▲	70	75	×	
	100	410	▲	10	120	×	
Ammonia	10-40	75	0	Glycerin	10	75-125	0
	10-30	210	▲		100	75-210	0
	100	75-600	0	90	210	×	
Ethel	100	75	0	Chloroform	100	75-210	0
	Caustic Soda	10-30	75 · 175		0	Acetic Acid	10-90
Zinc Chloride	50	75-210	▲	10-100	175	▲	
	10-50	300	×	10-20	210	▲	
	10	75-120	▲	30-100	210	×	
Aluminum Chloride	10	210	×	100	75	0	
	10-40	75	×	Carbon Tetrachloride	10	75	×
Ammonium Chloride	100	75	0	50	210	0	
	90	125	×	100	75-210	▲	
Calcium Chloride	20	75	▲	Oxalic Acid	10-90	75	▲
	20	210	×		100	75	×
	90	75	×	10	125	×	
Ferric Chloride	60	125	×	Tartaric Acid	10-50	70	▲
	10	75-210	▲		Kallum	10-30	75
	20-30	210	▲	Bichromate	10-60	210	0
Common Salt	10-80	75 · 175	▲	Nitric Kallum	10-40	75	▲
	30-70	210	×		10-80	210	▲
	10-30	75	×	Nitric Acid	10-100	75	0
100	75	×	10		210	0	
Barium Chloride	10	75	▲	60	210	▲	
	10	125	×	100	210	×	
	20	75-210	▲	Nitric Acid Fuming	100	210	▲
Hydro Chloride Acid	30	75-210	▲	Lactic Acid	50	boiling point	▲
	10-30	75	▲	Pieric Acid	10-100	75	▲
	10	210	×	10	210	▲	
Chlorine Gas(Dry)	100	75-210	×	100	300	▲	
	10-40	75	×	100	75	0	
	100	570	▲	Butyl Alcohol	100	75	0
Chlorine Gas(Moist)	100	840	×	Benzine	10-70	75 · 210	▲
	100	75	×	Alum	10	75-210	▲
	10	75	▲	20	75	▲	
Potassium Permanganate	10-30	125	▲	20	210	×	
	10-30	210	▲	50	125	▲	
	10	75	0	Methyl Alcohol	10-90	75 · 210	▲
Formic Acid	10	75-210	▲	100	75-210	0	
	40	75-210	▲	Butyric Acid	10-50	125	▲
	100	75-210	▲	20-80	210	×	
Sulfuric Acid	20-30	210	▲	Fuming Sulfuric Acid	100	410	▲
	10-100	75	▲	20-80	75	×	
	10-90	125	▲	Aluminum Sulfate	10	75 · 210	0
Magnesium Sulfate	100	125	×	30	75-210	0	
	50	175	×	50	175-210	0	
	90	175	0	10	75-210	0	
Phosphoric Acid	10-80	210	×	40	75-210	0	
	90	210	0	60	125-210	▲	
				10-50	75	▲	