

# Maintenance Free Roller Chains

The chain is designed to hold high quality lubricant between the pin and bushing with seals. Expanded applications are now possible from low to high speed, light to heavy load, and where lubrication is not possible. This chain can drive for many hours without lubrication. Sales schedule will be in spring of 2004.

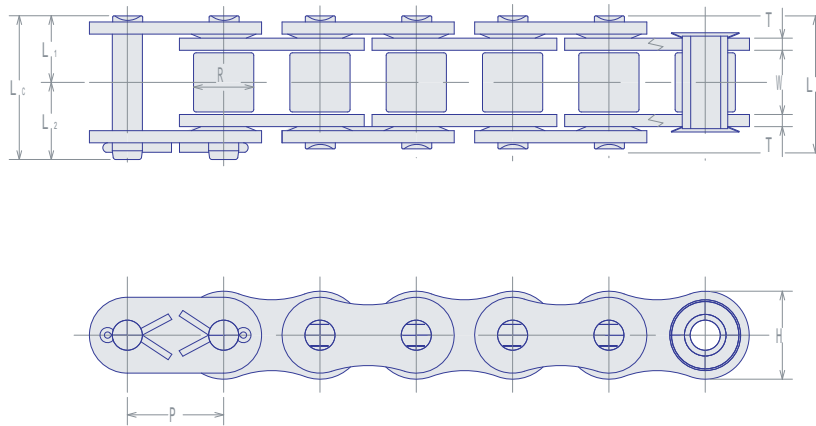
(Chain size)	#80 - #240 and 16B - 48B
(Sprocket)	Standard size
(Other applicable chains)	Attachment chains
(Operating temperature)	- 10 to + 70 (Special order up to max. 150 )
(Range of speed)	From slow speed 25m/min to high speed 150m/min

### (Selection and Caution)

- 1) Standard Sprocket is used. Note, however, the overall width of chain is slightly wider. Take this into consideration for designing.
- 2) When connecting the chain, make sure that all four (4) seals are installed.
- 3) Lubricate connecting link with ample lubrication before assembly.
- 4) When a lubrication leak is found (even at one location), replace that link immediately.
- 5) The maximum chain elongation limit is 1.5% of the chain length.
- 6) For use of chain in ambient temperature over 80 , special lubrication for higher temperature is available upon request.
- 7) The covering plate of connecting link is a press-fit type with extra interferences.
- 8) An offset link is not available.



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SY Chain No.	Dimensions - mm									Average Ultimate Strength	Maximum Allowable Load	Average Chain Weight
	Pitch	Roller		Pin				Plate				
		Width	Dia.	Length				Height	Thick			
	P	W	R	LR	LC	L1	L2	H	T			
MF 16A	25.40	15.9	15.88	34.8	37.5	17.4	20.1	23.4	3.2	78.5	18.4	2.6
MF 16B	25.40	17.1	15.88	35.8	38.5	17.9	20.6	23.4	3.2	78.5	18.4	2.7
MF 20AB	31.75	19.6	19.05	41.6	45.2	20.8	24.4	29.3	4.0	118	28.3	3.9
MF 24A	38.10	25.4	22.23	51.8	55.7	25.9	29.8	35.1	4.8	164	38.0	5.8
MF 24B	38.10	25.4	25.40	51.8	55.7	25.9	29.8	35.1	4.8	167	38.0	7.3
MF 28A	44.45	25.4	25.40	56.2	60.5	28.1	32.4	40.9	5.6	216	50.3	7.5
MF 28B	44.45	31.0	27.94	61.8	66.1	30.9	35.2	40.9	5.6	216	50.3	9.3
MF 32AB	50.80	31.6	28.58	66.6	71.0	33.3	37.7	46.7	6.4	275	66.3	9.8
MF 40AB	63.50	38.1	39.37	82.0	90.5	41.0	49.5	59.6	8.0	451	82.3	16.9
MF 48AB	76.20	47.5	47.63	100.0	107.7	50.0	57.7	70.3	9.5	677	112.8	23.6