

## Solid Bushing Chain (HT/D), (D)



## Seamless High-precision Solid Bushings Prevent Chain Elongation

Solid Bushing chain is highly wear-resistant using cold formed solid bushings with a seamless smooth surface and complete roundness.

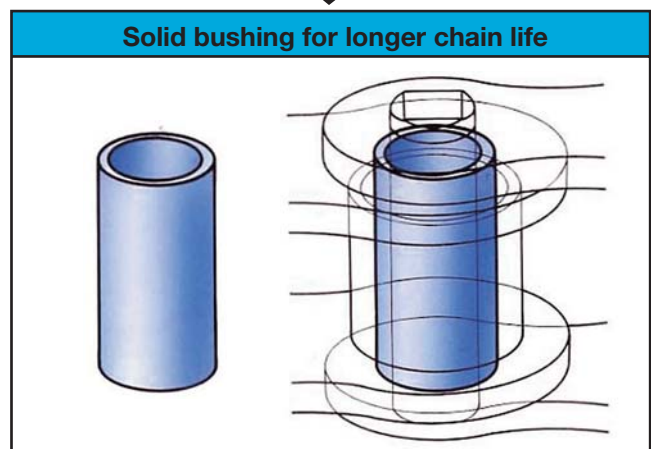
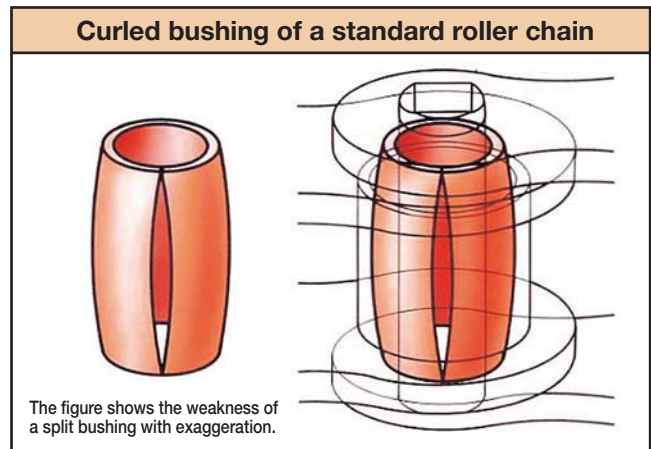
This is the popular type among the Ultimate Life Chain Series with its improved grease retention between the bushing and the pin.

The solid bushings and our patented V grease extend the wear life from up to 4 times compared to standard roller chains. We recommend you to adopt this solid bushing chain if you are wishing to reduce the frequency of maintenance.

### Recommended uses

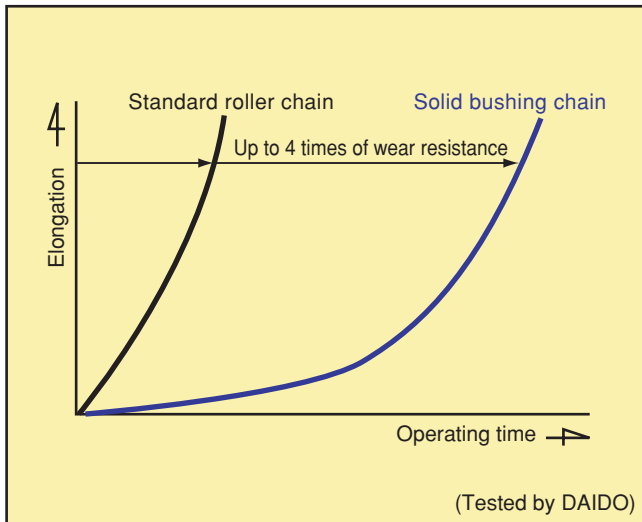
- For improving wear resistance while retaining the merits of standard roller chains.
- For Circumstances where chain elongation occurs frequently or lubrication is difficult.

\* Wear resistance can be further enhanced when DH- $\alpha$  coating pins are used.





## Wear resistance



## Selection of chains

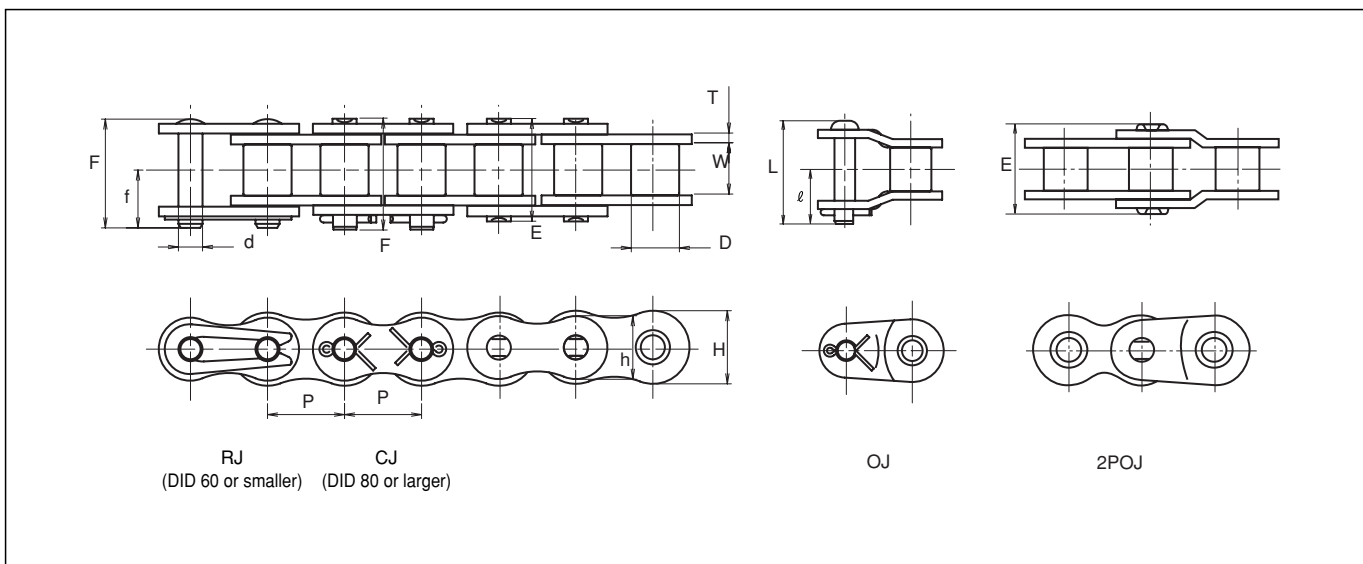
The strength of a solid bushing chain is the same as that of standard roller chains. For selecting a suitable chain, refer to "Selection of Chains" (P120~123).

## Connecting links and offset links

R connecting links are used for DID 60 or smaller chains, and C connecting links are used for DID 80 or larger chains. As for offset links, 2POJ is used for DID 25 and DID 35, and both OJ and 2POJ can be used for larger sizes. Standard offset links can be used.

## Sprockets

The dimensions of the solid bushing chain are the same as those of the standard roller chain. The standard sprocket can be used.



## Dimensions

Unit (mm)

Chain No.	Pitch P	Roller link width W	Roller (Bush) dia. D	Pin						Plate			Avg. tensile strength		Max. allowable load		Approx. weight (kg/m)
				d	E	F	f	L	ℓ	T	H	h	kN	kgf	kN	kgf	
* DID 25HT	6.35	3.18	(3.30)	2.31	9.0	9.5	5.2	—	—	1.00	5.9	5.2	5.88	600	1.07	110	0.16
* DID 35T	9.525	4.78	(5.08)	3.59	12.0	13.1	7.3	13.9	7.8	1.25	9.0	7.75	11.2	1,150	2.15	220	0.32
DID 40D	12.70	7.95	7.92	3.97	16.5	17.6	9.5	19.3	10.6	1.50	12.0	10.4	19.1	1,950	3.72	380	0.63
DID 50D	15.875	9.53	10.16	5.09	20.3	21.9	11.6	23.1	12.1	2.00	15.0	13.0	30.8	3,150	6.86	700	1.06
DID 60D	19.05	12.70	11.91	5.96	25.4	26.9	14.3	30.0	15.7	2.40	18.1	15.6	44.1	4,500	9.31	950	1.44
DID 80D	25.40	15.88	15.88	7.94	32.6	35.4	19.0	36.4	19.5	3.20	24.0	20.8	78.4	8,000	14.7	1,500	2.55
DID 100D	31.75	19.05	19.05	9.54	39.5	42.5	22.8	43.5	23.5	4.00	29.9	26.0	118.0	12,100	22.5	2,300	3.79

Note: 1. Those marked with \* indicate bushing chains.  
2. Consult us for the delivery time.