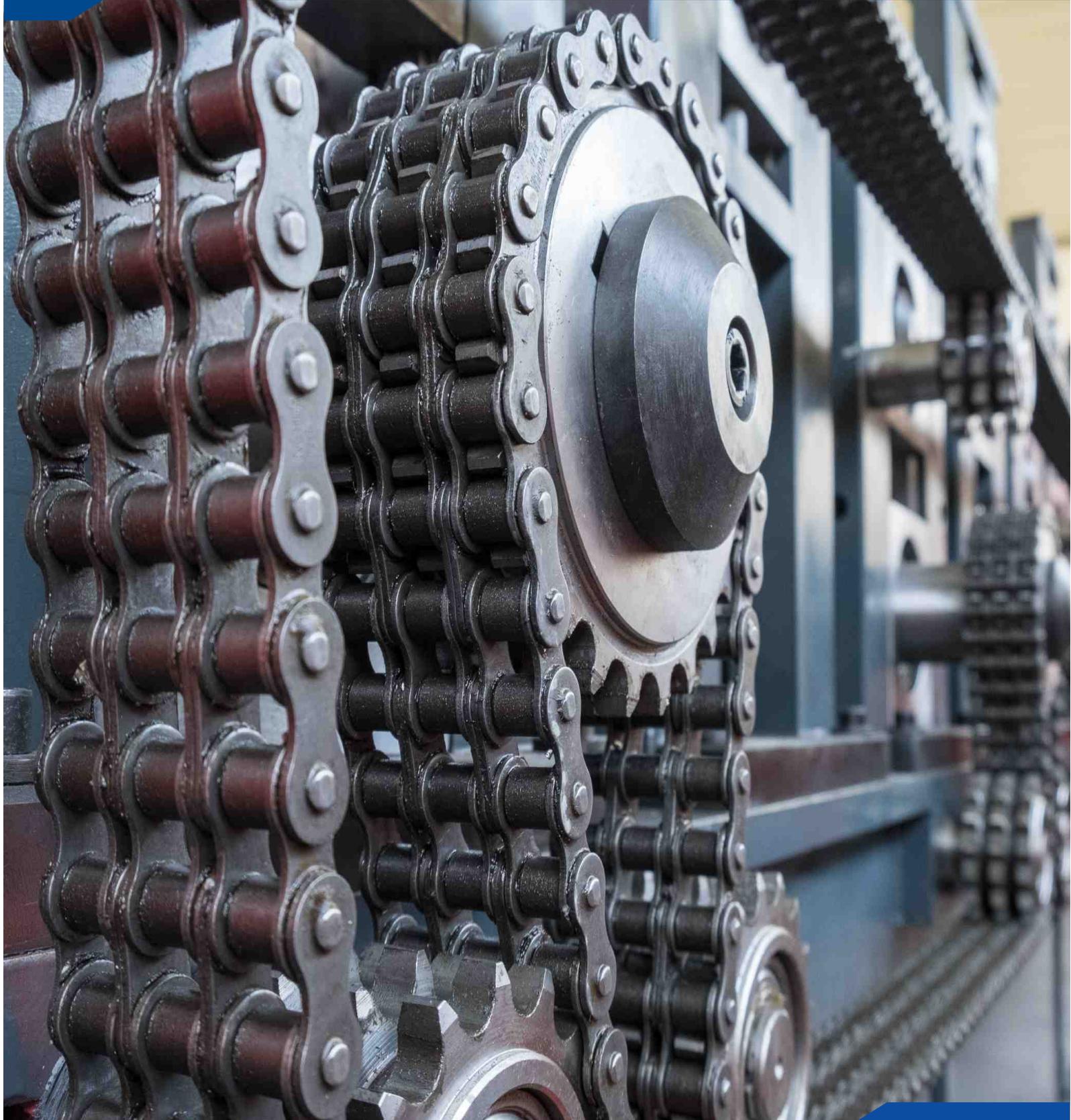


# Transmission Chains



# Transmission Chain

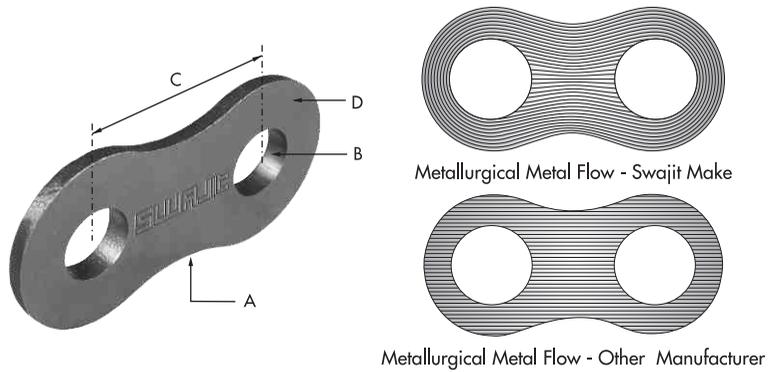
These chains are available in ready stock types Simplex, Duplex & Triplex with the variations of pitch 1/4" to 3.5" as per ISO 606 / BS 228 / DIN 8187 - 88.

Considering the highly precised requirement of application, material selection, manufacturing process is designed & developed in such a way that it is known as unique in this segment of manufacturing.

## Press Forged Link

Links are manufactured from press forging (for 3" & 3.5") which has added advantage of Grain flow to have built in strength of link due to well uniform distributed grain structure. It has thicker waist which has better Load bearing properties. Links are further coined to maintain the link flatness & precisely machined on VMC to maintain holes dimension with high degree of accuracy for extra service life Chain life increase as the quality of links hole is maintained. Link heat treatment is done in control atmosphere where the distortion is controlled so precisely. Links shot peening is done to improve impact strength & fatigue resistance there by.

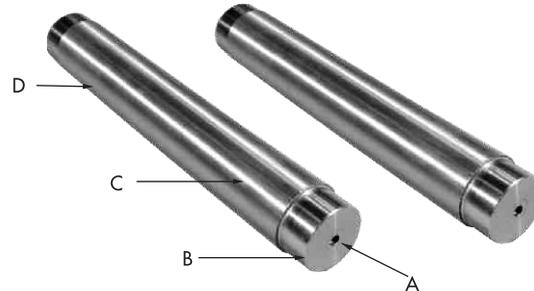
- A - Link made of Press Forging
- B - Precise Machining of Hole
- C - Precise Control of Pitch
- D - Shot Peened



## Step Pin

Pins are first volume hardened tempered to increase core hardness & then Armored hardening is done to increase wear resistance by inducing low current with high voltage. Fine Surface finish is maintained to avoid friction with bush ID. Pin ends are kept soft for riveting after fixing into outer links.

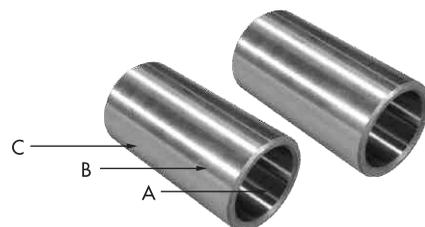
- A - Tough core
- B - Soft End
- C - Super fine Surface finish
- D - Shot Peened



## Seamless Bush

Bushes are made up of seamless tube instead of round bars to increase the fatigue strength and shock resistance. Bushes are heat treated in controlled atmosphere furnaces where the distortion is controlled precisely in turn which gives the consistent results in terms of core, surface hardness, case depth & micro structure. Outer diameter of bush is ground with super surface finish & precise size control is exercised to have an interference fit with inner link holes.

- A - Bush from Seamless tube
- B - Heat treated in ultramodern Heat treatment furnaces
- C - With Hardened, Tempered & Carburized properties



## Seamless Roller

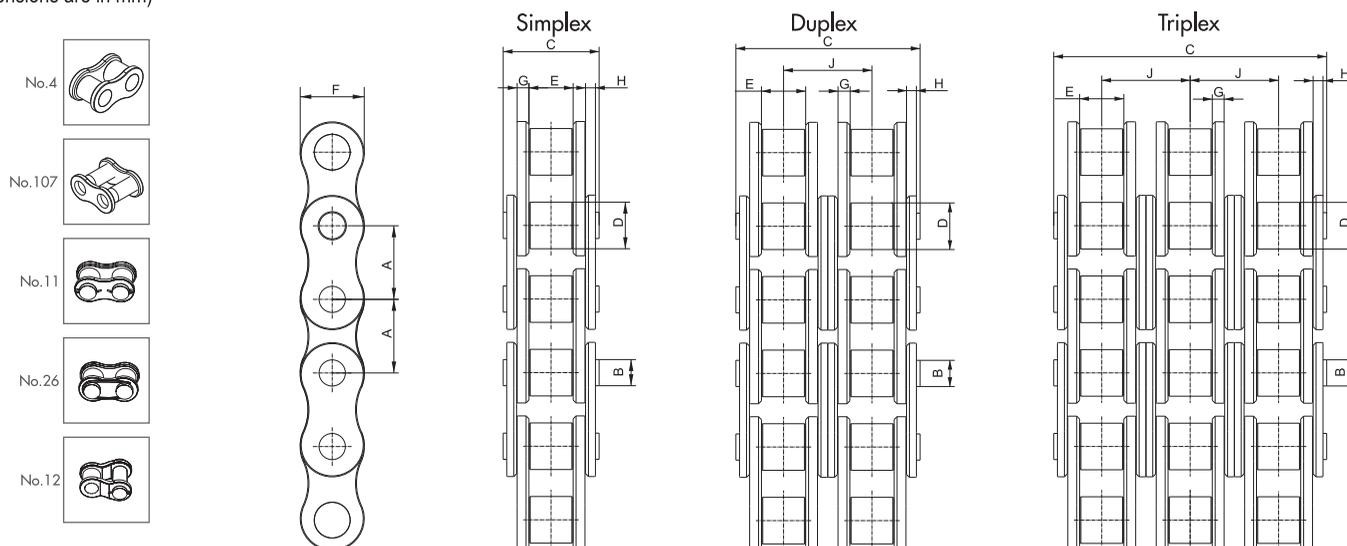
Rollers are also made from seamless tubes & heat treated to improve the fatigue resistance and shock resistance.

- A - Rollers from seamless tube
- B - Clean Ends
- C - Hardened and tempered to achieve excellent shock resistance properties



Swajit Model Number	DIN / ISO No.	Pitch Inch	Pitch mm	Pin Dia Max	Pin Length Max	Roller Dia Max	Inside Width Min	Plate Width Max	Plate Thk. Inner Max	Plate Thk. Outer Max	Trans Pitch Nom	ISO606 Tensile Strength Min	Weight Kg/m	No 4	No 107	No 11	No 26	No 12
		A	A	B	C	D	E	F	G	H	J	N						
<b>S I M P L E X</b>																		
SWAJIT 04B-1	04B-1	0.23	6.00	1.85	-	4.00	2.80	5.00	-	-	-	3,000	0.12	*	*	*	*	*
SWAJIT 05B-1	05B-1	0.31	8.00	2.31	-	5.00	3.00	7.10	-	-	-	5,000	0.18	*	*	*	*	*
SWAJIT 06B-1	06B-1	0.375	9.52	3.28	-	6.35	5.72	8.20	-	-	-	9,000	0.40	*	*	*	*	*
SWAJIT 08B-1	08B-1	0.50	12.70	4.45	-	8.51	7.75	11.80	-	-	-	18,000	0.68	*	*	*	*	*
SWAJIT 10B-1	10B-1	0.625	15.875	5.08	-	10.16	9.65	14.70	-	-	-	22,400	0.91	*	*	*	*	*
SWAJIT 12B-1	12B-1	0.75	19.05	5.72	-	12.07	11.68	16.10	-	-	-	29,000	1.12	*	*	*	*	*
SWAJIT 16B-1	16B-1	1.00	25.40	8.27	-	15.88	17.02	21.00	-	-	-	60,000	2.59	*	*	*	*	*
SWAJIT 20B-1	20B-1	1.25	31.75	10.19	-	19.05	19.56	26.40	-	-	-	95,000	3.60	*	*	*	*	*
SWAJIT 24B-1	24B-1	1.50	38.10	14.63	-	25.40	25.40	33.40	-	-	-	160,000	6.85	*	*	*	*	*
SWAJIT 28B-1	28B-1	1.76	44.45	15.90	-	27.94	30.99	37.00	-	-	-	200,000	8.56	*	*	*	*	*
SWAJIT 32B-1	32B-1	2.00	50.80	17.81	63.40	29.21	30.99	42.29	7.11	6.35	-	250,000	9.49	*	*	*	*	*
SWAJIT 40B-1	40B-1	2.50	63.50	22.89	78.20	39.37	39.30	52.96	8.13	8.13	-	355,000	15.53	*	*	*	*	*
SWAJIT 48B-1	48B-1	3.00	76.20	29.20	99.00	48.26	45.72	66.04	12.20	10.20	-	560,000	24.45	*	*	*	*	*
SWAJIT 56B-1	56B-1	3.50	88.90	34.30	114.60	53.98	53.34	80.52	13.72	12.70	-	778,435	35.20	*	*	*	*	*
<b>D U P L E X</b>																		
SWAJIT 05B-2	05B-2	0.31	8.00	2.31	-	5.00	3.00	7.10	-	-	5.64	7,800	0.32	*	*	*	*	*
SWAJIT 06B-2	06B-2	0.38	9.52	3.28	-	6.35	5.27	8.20	-	-	10.24	16,900	0.76	*	*	*	*	*
SWAJIT 08B-2	08B-2	0.50	12.70	4.45	-	8.51	7.75	11.80	-	-	13.92	32,000	1.31	*	*	*	*	*
SWAJIT 10B-2	10B-2	0.63	15.88	5.08	-	10.16	9.65	14.70	-	-	16.59	44,500	1.79	*	*	*	*	*
SWAJIT 12B-2	12B-2	0.75	19.05	5.72	-	12.07	11.68	16.10	-	-	19.46	57,800	2.22	*	*	*	*	*
SWAJIT 16B-2	16B-2	1.00	25.40	8.27	-	15.88	17.02	21.00	-	-	31.88	106,000	5.03	*	*	*	*	*
SWAJIT 20B-2	20B-2	1.25	31.75	10.19	-	19.05	19.56	26.40	-	-	36.45	170,000	7.33	*	*	*	*	*
SWAJIT 24B-2	24B-2	1.50	38.10	14.63	-	25.40	25.40	33.40	-	-	48.36	280,000	13.50	*	*	*	*	*
SWAJIT 28B-2	28B-2	1.75	44.45	15.90	-	27.94	30.99	37.00	-	-	59.56	360,000	16.96	*	*	*	*	*
SWAJIT 32B-2	32B-2	2.00	50.80	17.81	126.00	29.21	30.99	42.29	7.11	6.35	58.55	450,000	20.10	*	*	*	*	*
SWAJIT 40B-2	40B-2	2.50	63.50	22.89	155.00	39.37	39.30	52.96	8.13	8.13	72.29	630,000	32.80	*	*	*	*	*
SWAJIT 48B-2	48B-2	3.00	76.20	29.20	190.00	48.26	45.72	66.04	12.20	10.20	91.21	1,000,000	51.00	*	*	*	*	*
SWAJIT 56B-2	56B-2	3.50	88.90	34.30	221.20	53.98	53.34	80.52	12.45	13.72	106.60	1,557,000	69.70	*	*	*	*	*
<b>T R I P L E X</b>																		
SWAJIT 05B-3	05B-3	0.314	8.00	2.31	-	2.31	3.00	7.10	-	-	5.64	11,100	0.50	*	*	*	*	*
SWAJIT 06B-3	06B-3	0.375	9.52	3.28	-	3.28	5.72	8.20	-	-	10.24	24,900	1.12	*	*	*	*	*
SWAJIT 08B-3	08B-3	0.50	12.70	4.45	-	4.45	7.75	11.80	-	-	13.92	47,500	1.94	*	*	*	*	*
SWAJIT 10B-3	10B-3	0.625	15.875	5.08	-	5.08	9.65	14.70	-	-	16.59	66,700	2.68	*	*	*	*	*
SWAJIT 12B-3	12B-3	0.75	19.05	5.72	-	5.72	11.68	16.10	-	-	19.46	86,700	3.32	*	*	*	*	*
SWAJIT 16B-3	16B-3	1.00	25.40	8.28	-	8.27	17.02	21.00	-	-	31.88	160,000	7.65	*	*	*	*	*
SWAJIT 20B-3	20B-3	1.25	31.75	10.19	-	10.19	19.56	26.40	-	-	36.45	250,000	10.96	*	*	*	*	*
SWAJIT 24B-3	24B-3	1.50	38.10	14.63	-	14.63	25.40	33.40	-	-	48.36	425,000	20.20	*	*	*	*	*
SWAJIT 28B-3	28B-3	1.75	44.45	15.90	-	15.90	30.99	37.00	-	-	59.56	530,000	25.38	*	*	*	*	*
SWAJIT 32B-3	32B-3	2.00	50.80	17.81	184.50	29.21	30.99	42.29	7.11	6.35	58.55	670,000	30.00	*	*	*	*	*
SWAJIT 40B-3	40B-3	2.50	63.50	22.90	227.00	39.37	38.10	52.96	8.64	8.13	72.29	950,000	48.90	*	*	*	*	*
SWAJIT 48B-3	48B-3	3.00	76.20	29.24	281.60	48.26	45.72	66.04	12.19	10.16	91.21	1,500,000	76.20	*	*	*	*	*

(All Dimensions are in mm)



The Ultimate Driving Power...



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