

SC03 - 3/16" Pitch Round Pin Inverted Tooth Chains

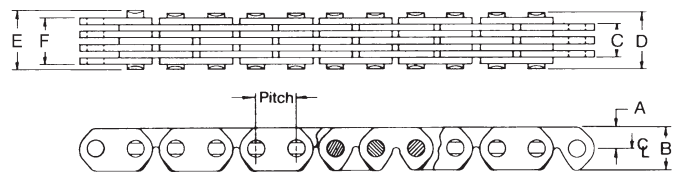


The 3/16" pitch 'SC' chains use a simple round pin construction for maximum strength and durability. Chains are available in both centre guide and single outside guide constructions in all widths, but it is normal for narrow width chains to be outside guide. The chains articulate fully on the pin, and as such tensioners can be used on the back of the chain; also the chains can be built with sets of teeth opposed to one another for serpentine drives. Tiny drives can be achieved with these chains, with power capacity up to 4 kW, and operating speeds to 10,000 rpm. All 3/16" pitch inverted tooth chain sprockets are manufactured to customer requirements, normally manufactured from induction hardened steel. Complete chain drive design and fabrication is available to meet your individual requirements. A range of Stainless Steel chains is also available for use in Food Process and Handling Machinery. These chains are manufactured from hardened, corrosion resistant, 304 grade Stainless Steel. Chain lengths must be of even number of pitches, as offset links are not available with these series of chains.



Typical Applications

Check Weighers - used to convey product over scales
Postage Machinery - high operating speeds possible
Copying Machines - transmit high loads in confined space
Aircraft Controls - Accurate transfer of motion
Machine Tools - Compact high torque drives
Conveyors - handling hot small components



Chain Dimensions - 3/8" SC Series Chains

'SC' Chain Designation	Nominal Width Inches	Chain Pitch ins(mm)	Chain Ht. over Spkt. PCD A mm	Chain Height B mm	Guide Type	Width between Guide Links C mm	Width over Links F mm	Width over Rivet Pin D mm	Width over Conn Pins E mm	Average U.T.S. kN	Ave. Weight per Metre kg
R0305	5/32	3/16" (4.76)	2.4	5.1	CG	2.4	4.0	5.1	6.3	2.22	0.1
SC0305	5/32				SOG		4.0	5.1	6.3	2.22	0.1
R0307	7/32				CG	4.0	5.6	6.7	7.9	3.34	0.2
SC0307	7/32				SOG		5.6	6.7	7.9	3.34	0.2
R0309	9/32				CG	5.6	7.1	8.2	9.4	4.45	0.2
SC0309	9/32				SOG		7.1	8.2	9.4	4.45	0.2
R0311	11/32				CG	7.1	8.7	9.8	11.0	5.56	0.2
SC0311	11/32				SOG		8.7	9.8	11.0	5.56	0.2
SC0315	15/32				SOG	10.3	11.9	13.0	14.2	7.78	0.3
R0315	15/32				CG		11.9	13.0	14.2	7.78	0.3
SC0319	19/32				CG	13.5	15.1	16.2	17.4	10.00	0.4
R0319	19/32				SOG		15.1	16.2	17.4	10.00	0.4
SC0325	25/32				CG	18.3	19.8	20.9	22.1	13.35	0.5
R0325	25/32				SOG		19.8	20.9	22.1	13.35	0.5
SC0331	31/32				CG	23.0	24.6	25.7	26.9	16.70	0.6
R0331	31/32				SOG		24.6	25.7	26.9	16.70	0.6

Standard Chains are in bold typeface

Chain Dimensions - 3/8" SC Series Stainless Steel Chains

'SC' Chain Designation	Nominal Width Inches	Chain Pitch ins(mm)	Chain Ht. over Spkt. PCD A mm	Chain Height B mm	Guide Type	Width between Guide Links C mm	Width over Links F mm	Width over Rivet Pin D mm	Width over Conn Pins E mm	Average U.T.S. kN	Ave. Weight per Metre kg
SC0305SS	5/32	3/16" (4.76)	2.4	5.1	SOG	2.4	4.0	5.1	6.3	2.00	0.1
SC0307SS	7/32				SOG		5.6	6.7	7.9	3.34	0.2
SC0309SS	9/32				SOG	4.0	7.1	8.2	9.4	4.45	0.2
SC0311SS	11/32				SOG		8.7	9.8	11.0	5.56	0.2
SC0315SS	15/32				SOG	10.3	11.9	13.0	14.2	7.78	0.3
R0315SS	15/32				CG		11.9	13.0	14.2	7.78	0.3
SC0319SS	19/32				CG	13.5	15.1	16.2	17.4	10.00	0.4
R0319SS	19/32				SOG		15.1	16.2	17.4	10.00	0.4
SC0325SS	25/32				CG	18.3	19.8	20.9	22.1	13.35	0.5
R0325SS	25/32				SOG		19.8	20.9	22.1	13.35	0.5
SC0331SS	31/32				CG	23.0	24.6	25.7	26.9	16.70	0.6
R0331SS	31/32				SOG		24.6	25.7	26.9	16.70	0.6

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