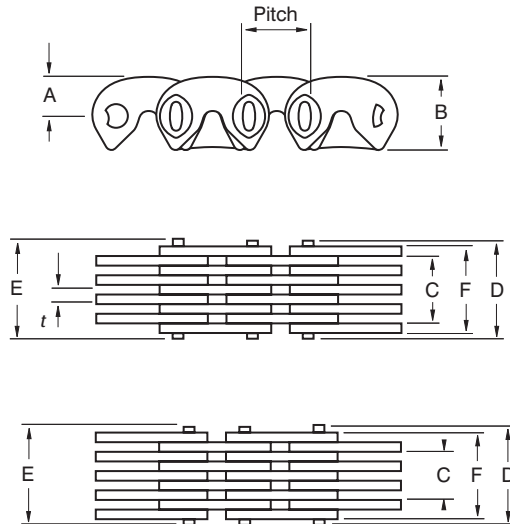


Outside Guide SC Series Inverted Tooth Chains

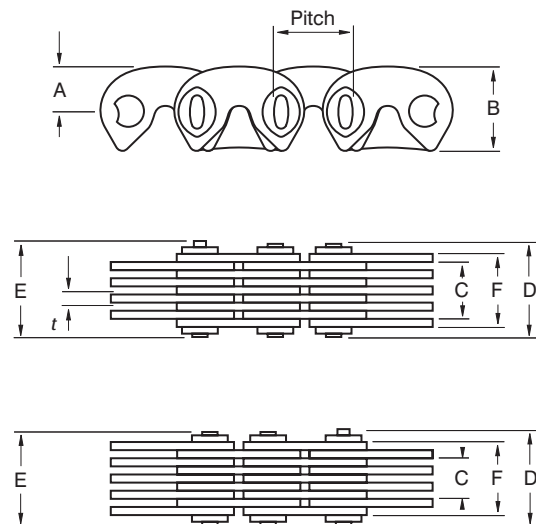


Cross+Morse Outside Guide Inverted Tooth Chains are intended solely as replacement chains for existing applications, and hence the part numbers are all prefixed 'R'. All chains run on sprockets gearcut to specifications of tooth form in ASME(ANSI) B29.2, but with the exception of SC302 all other chain dimensions are outside the Standard, but to Industry preferred sizes. In addition to replacement chains we can provide replacement Sprockets manufactured with the latest material and heat treatment to provide a longer service life.

3/8" and 1/2" Pitch



5/8" through 2" Pitch



**Single
Outside
Guide
'SOG'**

**Double
Outside
Guide
'DOG'**

Chain Dimensions - Outside Guide SC(RP) Chains

'SC' Chain Designation	Nominal Width Inches	Chain Pitch ins(mm)	Chain Ht. over Spkt. PCD A mm	Chain Height B mm	Width between Guide Links C mm	Width over Links F mm	Width over Rivet Pin D mm	Width over Drilled Pins E mm	Average U.T.S kN	Ave. Weight per Metre kg
R302DOG	1/2	3/8" (9.525)	5.6	10.7	8.0	14.3	16.3	17.8	17	0.7
R303DOG	3/4				14.4	20.6	22.6	24.0	25	1.0
R304DOG	1				20.7	27.0	29.0	30.5	33	1.3
R305DOG	1.1/4				27.1	33.4	35.3	36.8	42	1.6
R306DOG	1.1/2				33.5	39.8	41.7	43.2	50	1.9
R307DOG	1.3/4				39.9	46.2	48.1	49.6	67	2.2
R308DOG	2				46.3	52.5	54.4	55.9	75	2.5
R310DOG	2.1/2				59.0	65.3	67.2	68.8	83	3.1
R312DOG	3				68.6	74.9	79.2	81.5	100	3.7
SC302	1/2	3/8" (9.525)	5.6	10.7	11.2	14.3	16.3	17.8	17	0.7
R303SOG	3/4				17.5	20.6	22.6	24.0	25	1.0
R304SOG	1				23.9	27.0	29.0	30.5	33	1.3
R305SOG	1.1/4				30.3	33.4	35.3	36.8	42	1.6
R306SOG	1.1/2				36.7	39.8	41.7	43.2	50	1.9
R307SOG	1.3/4				43.1	46.2	48.1	49.6	67	2.2
R308SOG	2				49.4	52.5	54.4	55.9	75	2.5
R403DOG	3/4	1/2" (12.70)	7.6	14.2	14.4	20.6	23.8	25.4	33	1.3
R404DOG	1				20.7	27.0	30.0	32.0	44	1.7
R405DOG	1.1/4				27.1	33.4	36.3	38.1	56	2.1
R406DOG	1.1/2				33.5	39.8	42.7	44.5	67	2.5
R407DOG	1.3/4				39.9	46.2	49.0	51.0	78	2.9
R408DOG	2				46.3	52.5	55.4	57.2	89	3.3
R410DOG	2.1/2				59.0	65.3	68.1	70.1	111	4.1
R412DOG	3				71.8	78.1	81.8	82.8	133	4.9
R414DOG	3.1/2				84.5	90.8	93.7	95.5	156	5.7
R416DOG	4				97.3	103.6	106.4	108.2	178	6.5
R403SOG	3/4	1/2" (12.70)	7.6	14.2	17.5	20.6	23.8	25.4	33	1.3
R404SOG	1				23.9	27.0	30.0	32.0	44	1.7
R405SOG	1.1/4				30.3	33.4	36.3	38.1	56	2.1
R406SOG	1.1/2				36.7	39.8	42.7	44.5	67	2.5
R407SOG	1.3/4				43.1	46.2	49.0	51.0	78	2.9
R408SOG	2				49.4	52.5	55.4	57.2	89	3.3
R410SOG	2.1/2				62.2	65.3	68.1	70.1	111	4.1

Outside Guide SC Series Inverted Tooth Chains



Chain Dimensions - Outside Guide SC(RP) Chains

'SC' Chain Designation	Nominal Width Inches	Chain Pitch ins(mm)	Chain Ht. over Spkt. PCD A mm	Chain Height B mm	Width between Guide Links C mm	Width over Links F mm	Width over Rivet Pin D mm	Width over Drilled Pins E mm	Average U.T.S kN	Ave. Weight per Metre kg
R506DOG	1.1/2	5/8" (15.88)	9.5	17.8	31.1	39.2	45.3	47.4	83	3.5
R508DOG	2				43.5	51.7	58.4	59.8	111	4.6
R510DOG	2.1/2				55.9	64.1	70.1	72.1	139	5.6
R512DOG	3				68.4	76.5	82.6	84.6	167	6.7
R514DOG	3.1/2				80.8	88.9	94.7	96.8	195	7.8
R516DOG	4				93.2	101.3	107.2	109.2	222	8.8
R504SOG	1	5/8" (15.88)	9.5	17.8	22.8	26.8	33.5	35.0	56	2.5
R506SOG	1.1/2				35.2	39.2	45.3	47.4	83	3.5
R508SOG	2				47.7	51.7	58.4	59.8	111	4.6
R510SOG	2.1/2				60.1	64.1	70.1	72.1	139	5.6
R512SOG	3				72.5	76.5	82.6	84.6	167	6.7
R514SOG	3.1/2				84.9	88.9	94.7	96.8	195	7.8
R516SOG	4				97.3	101.3	107.2	109.2	222	8.8
R606DOG	1.1/2	3/4" (19.05)	10.9	21.3	31.1	39.2	46.2	48.3	100	4.2
R608DOG	2				43.5	51.7	58.4	60.5	133	5.5
R610DOG	2.1/2				55.9	64.1	71.1	73.2	167	6.8
R612DOG	3				68.4	76.5	81.5	85.4	200	8.0
R614DOG	3.1/2				80.8	88.9	95.7	97.7	233	9.3
R616DOG	4				93.2	101.3	106.9	110.2	267	10.6
R620DOG	5	3/4" (19.05)	10.9	21.3	118.0	126.2	131.6	135.2	334	13.1
R624DOG	6				142.9	151.0	159.0	160.0	400	15.6
R606SOG	1.1/2				35.2	39.2	46.2	48.3	100	4.2
R608SOG	2				47.7	51.7	58.4	60.5	133	5.5
R610SOG	2.1/2				60.1	64.1	71.1	73.2	167	6.8
R612SOG	3				72.5	76.5	81.5	85.4	200	8.0
R614SOG	3.1/2				84.9	88.9	95.7	97.7	233	9.3
R616SOG	4				97.3	101.3	106.9	110.2	267	10.6
R808DOG	2	1" (25.40)	15.2	28.4	34.9	47.4	57.4	60.2	178	6.5
R810DOG	2.1/2				47.6	60.1	69.7	72.5	222	8.0
R812DOG	3				60.3	72.8	81.0	85.1	267	9.6
R816DOG	4				85.7	98.2	107.4	110.2	356	12.7
R820DOG	5				111.1	123.6	131.6	134.4	445	15.8
R824DOG	6				136.5	149.0	156.0	159.8	534	18.9
R832DOG	8	1" (25.40)	15.2	28.4	187.3	199.8	213.6	216.4	712	25.1
R808SOG	2				41.2	47.4	57.4	60.2	178	6.5
R810SOG	2.1/2				53.9	60.1	69.7	72.5	222	8.0
R812SOG	3				66.6	72.8	81.0	85.1	267	9.6
R816SOG	4				92.0	98.2	107.4	110.2	356	12.7
R820SOG	5				117.4	123.6	131.6	134.4	445	15.8

For Installation and Lubrication information refer to HV data on page 78. For any further Technical information contact our Technical Sales Dept. at Birmingham.



Paddle wheel drive on a large riverboat



Standard Sprockets

Tel +44 121 360 0155

Fax +44 121 325 1079

Email sales@crossmorse.com