

Dura Clean™ Washdown Support System

Cooper B-Line's new line of Dura-Clean electrical and mechanical support products are specifically designed for the critical and rigorous wash-down requirements of the Food & Beverage and Pharmaceutical industries.

Manufactured from high quality stainless steel with all angles minimized to prevent water pooling and collection, Dura-Clean strut and hanger components are designed with the durability and flexibility needed for applications where pipe, conduit and enclosures are subjected to regular, high pressure, high moisture wash-down environments.

Dura-Clean products can be installed in trapeze configurations for hanging piping, conduit or virtually any type of roof supported racking system - or wall-mount configurations for vertical or horizontal pipe support runs and enclosure support.

The new Dura-Clean Washdown Support System products from Cooper B-Line.

Highest quality.

Lasting durability.

Immediate availability.

Recommended Torque

Bolt Size	3/8"-16	1/2"-13
Foot/Lbs.	19	50
Nm	26	68

Materials

Finish Code	Finish	Specification
SS4	Stainless Steel Type 304	ASTM A240
SS6	Stainless Steel Type 316	ASTM A240

Metric

Metric dimensions are shown in parentheses. Unless noted, all metric dimensions are in millimeters.

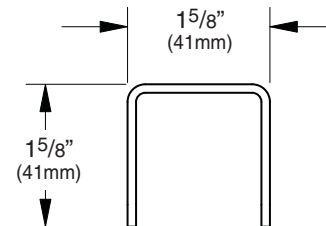


DURA CLEAN™ CHANNEL

- Thickness: 12 Gauge (2.6mm)
- Standard Lengths: 12" (.30m), 24" (.61m), 48" (1.22m), 120" (3.06m)
- Standard Finish: #4 Polished 304 Stainless Steel w/cellophane cover (other materials available upon request)
- Weight: 1.68 lbs/ft (2.50kg/m)
- 1⁵/₈" (41mm) x 1⁵/₈" (41mm) profile with 1³/₃₂" (10mm) x 3" (76mm) slot on 4" (101mm) centers
- Straight leg design does not harbor water or dust, eliminating areas known to harbor bacteria
- Profile allows product to be used with standard strut accessories

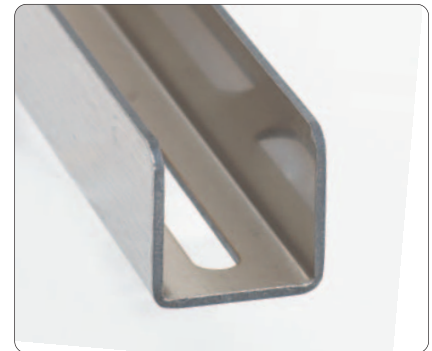


Part No.	Length	
	In.	(mm)
DC22S-12	12"	(305)
DC22S-24	24"	(610)
DC22S-48	48"	(1219)
DC22S-120	120"	(3048)



Section Properties					X - X Axis						Y - Y Axis					
Channel	Weight		Areas of Section		Moment of Inertia (I)		Section Modulus (S)		Radius of Gyration (R)		Moment of Inertia (I)		Section Modulus (S)		Radius of Gyration (R)	
	lbs./ft.	kg/m	in. ²	cm ²	in. ⁴	cm ⁴	in. ³	cm ³	in.	cm	in. ⁴	cm ⁴	in. ³	cm ³	in.	cm
DC22S	1.68	0.7628	0.4829	3.1155	0.1328	5.5276	0.1283	2.1025	0.5244	1.332	0.2178	9.0655	0.2681	4.3934	0.6717	1.7061

Channel	Beam Span		Uniform Load		Deflection		Uniform Load @ Deflection = 1/240 Span				Uniform Load @ Deflection = 1/360 Span	
	in.	mm	lbs.	N	in.	mm	lbs.	N	lbs.	N	lbs.	N
DC22S	12	305	2500	562	0.0146	0.37	2500	562	2500	562		
DC22S	18	457	1667	375	0.0329	0.83	1667	375	1667	375		
DC22S	24	610	1250	281	0.0584	1.48	1250	281	1250	281		
DC22S	30	762	1000	225	0.0913	2.32	1000	225	913	205		
DC22S	36	914	833	187	0.1314	3.34	833	187	634	143		
DC22S	42	1067	714	161	0.1788	4.54	699	157	466	105		
DC22S	48	1219	625	141	0.2337	5.94	535	120	357	80		
DC22S	54	1372	556	125	0.2960	7.52	423	95	282	63		
DC22S	60	1524	500	112	0.3651	9.27	342	77	228	51		

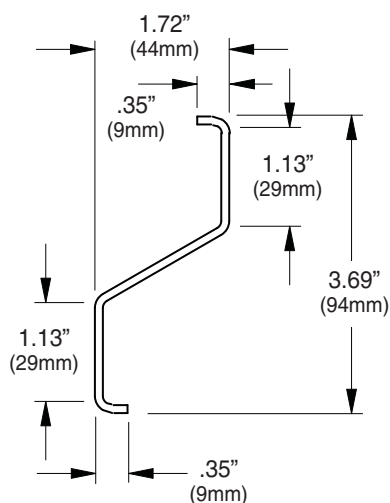


Reference page 148 for general fitting and standard finish specifications.

Dura Clean™ Wall Rails

DURA CLEAN™ WALL MOUNT RAILS

- Thickness: 12 Gauge (2.6mm)
- Standard Lengths: 12" (.30m), 24" (.61m), 48" (1.22m), 120" (3.06m)
- Standard Finish: #4 Polished 304 Stainless Steel w/cellophane cover (other materials available upon request)
- Weight: 1.90 lbs/ft (2.83kg/m)
- Z-Profile with 1³/₃₂" (10mm) x 3" (76mm) slot on 4" (101mm) centers
- DCSP spacers are used to offset profile 1" (25.4mm) from mounting surface to eliminate any area that may harbor bacteria



Part No.	Length	
	In.	(mm)
DCWM-12	12"	(305)
DCWM-24	24"	(610)
DCWM-48	48"	(1219)
DCWM-120	120"	(3048)

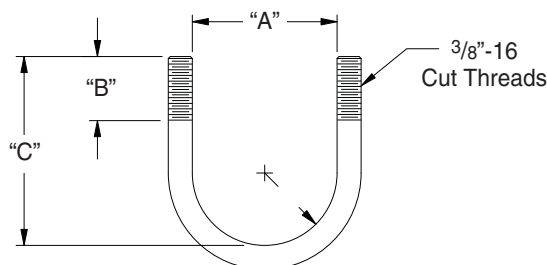
Section Properties					X - X Axis						Y - Y Axis					
Channel	Weight		Areas of Section		Moment of Inertia (I)		Section Modulus (S)		Radius of Gyration (R)		Moment of Inertia (I)		Section Modulus (S)		Radius of Gyration (R)	
	lbs./ft.	kg/m	in. ²	cm ²	in. ⁴	cm ⁴	in. ³	cm ³	in.	cm	in. ⁴	cm ⁴	in. ³	cm ³	in.	cm
DCWM	1.8999	0.8618	0.5456	3.5200	0.7305	30.406	0.3564	5.8403	1.1571	2.939	0.2345	9.7606	0.2646	4.336	0.6556	1.6652

Channel	Beam Span		Uniform Load		Deflection	
	in.	mm	lbs.	N	in.	mm
DCWM	12	305	1350	303	0.0014	0.04
DCWM	18	457	900	202	0.0032	0.08
DCWM	24	610	675	152	0.0057	0.15
DCWM	30	762	540	121	0.0090	0.23
DCWM	36	914	450	101	0.0129	0.33
DCWM	42	1067	386	87	0.0176	0.45
DCWM	48	1219	338	76	0.0230	0.58
DCWM	54	1372	300	67	0.0290	0.74
DCWM	60	1524	270	61	0.0358	0.91

Reference page 148 for general fitting and standard finish specifications.

U-BOLTS

- Material: Stream cleaned 304 Stainless Steel
- Includes serrated flange hex nuts and flat washers
- Designed for use with rigid/emt conduit, OD tubing and copper, schedule 40/80 and Ocal pipe sizes



Part Number	Pipe - Conduit - Tubing Sizes						“A” in. mm		“B” in. mm		“C” in. mm		Design Load lbs. kN		Wt./C lbs. kg	
	OD Tubing	Sch. 40/80 Pipe	Rigid Conduit	EMT Conduit	Copper Pipe	Ocal Pipe										
DC-1	1/2", 3/4"	-	-	1/2"	1/2"	-	0.81	20.6	0.88	22.2	1.50	38.1	600	2.67	27.0	12.2
DC-2	-	1/2"	1/2"	3/4"	3/4"	1/2"	0.98	25.0	0.88	22.2	1.67	42.5	600	2.67	28.4	12.9
DC-3	1"	3/4"	3/4"	1"	1"	3/4"	1.23	31.1	1.00	25.4	1.91	48.6	600	2.67	30.4	13.8
DC-4	1 1/4"	1"	1"	-	1 1/4"	1"	1.46	37.0	1.00	25.4	2.15	54.5	900	4.00	32.3	14.6
DC-5	1 1/2"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	-	1.72	43.7	1.00	25.4	2.41	61.2	900	4.00	33.3	15.1
DC-6	-	1 1/2"	1 1/2"	1 1/2"	-	1 1/4"	1.96	49.8	1.00	25.4	2.65	67.3	900	4.00	36.4	16.5
DC-7	2"	-	-	2"	2"	1 1/2"	2.26	57.4	1.00	25.4	2.95	74.9	1200	5.34	38.9	17.6
DC-8	2 1/2"	2"	2"	-	2 1/2"	2"	2.69	68.2	1.00	25.4	3.38	85.7	1200	5.34	42.4	19.2
DC-9	3"	2 1/2"	2 1/2"	2 1/2"	3"	2 1/2"	3.19	80.9	1.00	25.4	3.88	98.4	1200	5.34	46.5	21.1
DC-10	3 1/2"	3"	3"	3"	3 1/2"	3"	3.69	93.6	1.00	25.4	4.38	111.1	1800	8.00	53.0	24.0
DC-11	4"	3 1/2"	3 1/2"	3 1/2"	4"	3 1/2"	4.25	108.0	1.00	25.4	4.88	123.8	1800	8.00	54.9	24.9
DC-12	-	4"	4"	4"	-	4"	4.71	119.5	1.00	25.4	5.33	135.4	1800	8.00	58.6	26.6

HARDWARE

- Material: 316 Stainless Steel
- Flat washer for 3/8" threaded rod
- Serrated hex nut for 3/8"-16 threaded rod
- Weight/C: Flat Washers 1.7 Lbs. (0.77kg)
Serrated Hex Nuts 3.0 Lbs. (1.36kg)

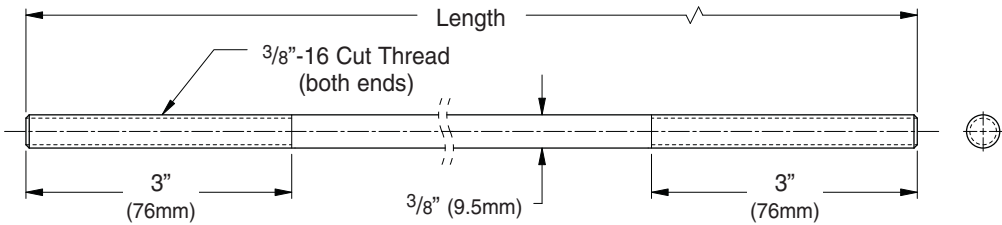
Part Number	Description
3/8FWSS6	3/8" Flat Washer
SFHN3/8SS6	3/8"-16 Serrated Hex Nut



Reference page 148 for general fitting and standard finish specifications.

THREADED ROD

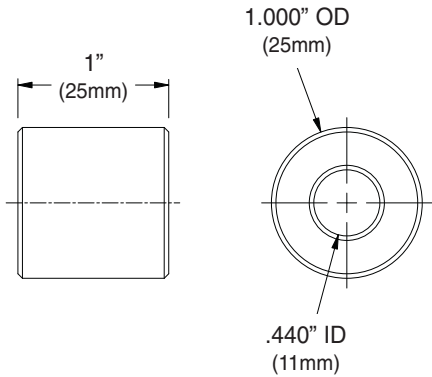
- Material: Steam cleaned 304 Stainless Steel
- Standard Lengths: 36" (.92m) & 72" (1.83m)
(other length available upon request)
- 3/8"-16 cut threads standard
- Cut threads allow the customer to cut rods to length and then field cut threads where required



Channel	Length		Threads Per Inch	Recommended Load		Wt./100 pcs	
	in.	mm		lbs.	N	lbs.	kg
DCR38-36	36"	914	16	730	324	186.2	84.4
DCR38-72	72"	1829	16	730	324	372.4	168.9

SPACERS

- Material: 304 Stainless Steel
- Spacers are used to provide 1" (25mm) of separation from wall to channel, eliminating any area that may harbor bacteria.
- Weight/C: 16.9 Lbs. (7.6kg)



Part Number	Description
DCSP SS4	Stand-off Spacer

Reference page 148 for general fitting and standard finish specifications.

Other Stainless Steel Products



B135*
Flat Corner Plate



B102*
3-Hole Corner Angle



B104*
4-Hole Corner Angle



B154*
2-Hole 45° Open Angle



B155*
2-Hole 'U' Support



B107*
5-Hole 'U' Support



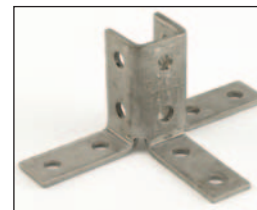
B172*
4-Hole Splice Clevis



B280SQ*
Post Base



B121*
8-Hole Double Corner Connection



B123*
12-Hole Triple Wing Connection

* Available in SS4 & SS6. Consult Customer Service for other products that can be made in Stainless Steel



Dura Clean