

# Steel mesh trays

## Stainless steel AISI 316L

### Corrosion class C5-I/C5-M

#### Mesh trays, stainless

Type	Dimensions A/B/C mm	Weight kg/100 pcs	EAN code	Ref. No.
<b>Mesh trays, 45, 55 and 60 mm high</b>				
Mesh cable tray, length 2.5 m. Size 75/55 available both made of $\varnothing$ 4 and 5 mm wire, see dimension table below. Material: Stainless steel AISI316L.				
53/45	45/53/2500	176	7332227013130	1149313
75x4/55	55/75/2500	190	7332227013000	1149300
75x5/55	55/75/2500	297	7332227013109	WBE1149310
120/60	60/120/2500	318	7332227013017	WBE1149301
220/60	60/220/2500	437	7332227013024	1149302
320/60	60/320/2500	555	7332227013031	1149303
422/60	60/422/2500	772	7332227013147	1149314
522/60	60/522/2500	922	7321677887972	1149315
622/60	60/622/2500	1075	7321677887989	1149316
<b>Mesh trays, 110 mm high</b>				
Mesh cable tray, length 2.5 m. Material: Stainless steel AISI316L.				
120/110	110/120/2500	443	7332227013048	1149304
220/110	110/220/2500	562	7332227013055	1149305
320/110	110/320/2500	683	7332227013062	1149306
422/110	110/422/2500	922	7332227013079	1149307
522/110	110/522/2500	1075	7321677887927	1149308
622/110	110/622/2500	1116	7321677887934	1149309

#### Dimension table

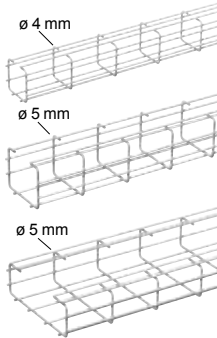
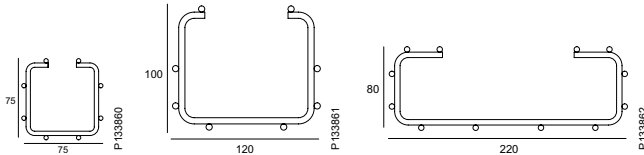
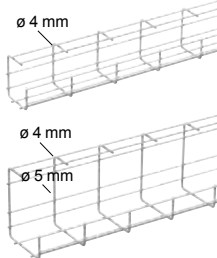
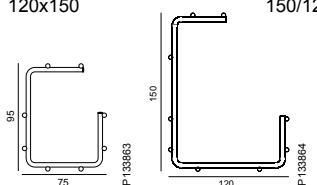
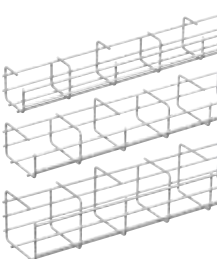
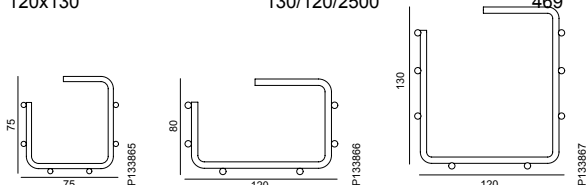
Type	A mm	B mm	C mm	D mm	E mm	Ref. No.
Mesh tray 53/45	53	45	4	4	37	1149313
Mesh tray 75x4/55	75	55	4	4	59	1149300
Mesh tray 75x5/55	75	55	5	5	55	WBE1149310
Mesh tray 120/60	120	60	5	5	100	WBE1149301
Mesh tray 220/60	220	60	5	5	200	1149302
Mesh tray 320/60	320	60	5	5	300	1149303
Mesh tray 422/60	422	60	5	6	400	1149314
Mesh tray 522/60	522	60	5	6	500	1149315
Mesh tray 622/60	622	60	5	6	600	1149316
Mesh tray 120/110	120	110	5	5	100	1149304
Mesh tray 220/110	220	110	5	5	200	1149305
Mesh tray 320/110	320	110	5	5	300	1149306
Mesh tray 422/110	422	110	5	6	400	1149307
Mesh tray 522/110	522	110	5	6	500	1149308
Mesh tray 622/110	622	110	5	6	600	1149309

# Steel mesh trays


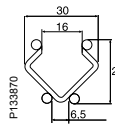

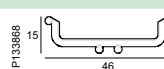

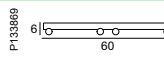
## Stainless steel AISI 316L

### Corrosion class C5-I/C5-M

#### C, G and Z-Mesh trays

	Type	Dimensions A/B/C mm	Weight kg/100 pcs	EAN code	Ref. No.
<div>P140870 P140871 P140889</div> 	<b>C-mesh trays</b>				
	C-shaped mesh cable tray, length 2.5 m, for use where mounting with long support distances (up to 4 metres) are needed. Material: Stainless steel AISI316L.				
	75x75	75/75/2500	253	7332227013321	1149332
	120x100	100/120/2500	429	7332227013338	1149333
220x80	80/220/2500	623	7332227013345	1149334	
					
<div>B225021 B225016</div> 	<b>G-mesh trays</b>				
	G-shaped mesh cable tray, length 2.5 m, for installation in ceilings, onto walls, under desks and for mounting on cable ladders. Material: Stainless steel AISI316L.				
	75x95	95/75/2500	260	7332227013383	1149338
	120x150	150/120/2500	350	7332227013390	1149339
					
<div>P140951 P140952 P140950</div> 	<b>Z-mesh trays</b>				
	Z-shaped mesh cable tray, length 2.5 m, for environments where regular and thorough cleaning is required. Wire ø 5 mm. Material: Stainless steel AISI316L.				
	75x75	75/75/2500	201	7332227013406	1149340
	120x75	80/120/2500	351	7332227013413	1149341
120x130	130/120/2500	469	7332227013420	1149342	
					

#### Mini mesh trays









P140953		Mini mesh trays B30-D				
		Mini mesh tray for the routing of cables. Diamond-shaped for good guiding and protection. Mesh tray length 2 m, wire ø 3 mm. Material: Stainless steel AISI316L.				
		B30-D	24/30/2000	52	7332227013123	1149312
						
P140954		Mini mesh trays B30-U				
		Mini mesh tray in a space-saving U-shape for the routing of cables. Mesh tray length 2 m, wire ø 3 mm. Material: Stainless steel AISI316L.				
		B30-U	15/46/2000	52	7332227013253	1149325
						
P140955		Mini mesh trays B30-I				
		Mini mesh tray in a space-saving plane design for the routing of cables. Mesh tray length 2 m, wire ø 3 mm. Material: Stainless steel AISI316L.				
		B30-I	6/60/2000	52	7332227013116	1149311
						

# Steel mesh trays






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#### Fittings and joining set

	Type	Dimensions A/B/C mm		Weight kg/100 pcs	EAN code	Ref. No.
<b>Fitting B1</b>						
P140956		Fitting to be used as a wall bracket. It can also be mounted over the centre wires as a carrier of lighting fittings. Can also be used in 90 degree angles or as a joining fitting. Delivered without bolt and nut. Material: Stainless steel AISI316L.				
	B1	40/5/80		4.8	7332227013543	1149354
<b>Fitting B2</b>						
P140957		Fitting to be used to join mesh trays. Can also be used in 90 degree angles. Delivered without bolt and nut. Material: Stainless steel AISI316L.				
	B2	35/7/25		2	7332227013550	1149355
<b>Fitting B3</b>						
P140958		Fitting to be used when jointing wires in horizontal and vertical bends, in four-way and tee-junctions, etc. Delivered with bolt and nut. Material: Stainless steel AISI316L.				
	B3	20/29/23		4	7332227013567	1149356
<b>Angled fitting B27</b>						
P140959		Angled fitting for creating T-junctions or for connections to wall, ceiling and floor. Also for bends with adjustable angle. Material: Stainless steel AISI316L.				
	B27	85/40/85		13	7332227013697	1149369
<b>Mounting coupler B20</b>						
P140963		Mounting coupler to be used for joining and mounting of mini mesh-wire trays. Material: Stainless steel AISI316L.				
	B20	9/19/85		2	7332227013314	1149331
<b>Joining set B52</b>						
P140960		Pre-assembled joining fitting including Fittings B1 and B2, Bolt and Nut B13. Used to join the side sections of all mesh trays. Material: Stainless steel AISI316L.				
	B52	41/25/80		8	7332227013536	1149353
<b>Bolt and nut B13</b>						
P141021		Bolt and nut M6x25. Tensi-lock and flange nut M6. Material: Stainless steel AISI316L.				
	B13, 50+50 pcs	30/18/18		0.59/bag	7332227013840	1149384
	B13, 250+250 pcs	30/18/18		2.90/bag	7332227013857	1149385


#### Brackets

<b>Bracket B4/B4 Mini</b>						
P140961		Bracket to be used for the mounting of mesh trays 53-622 onto wall and floor. Material: Stainless steel AISI316L.				
P140962		B4	85/30/95	15	7332227013574	1149357
		B4 Mini	53/23/55	5	7332227013987	1149398
<b>Bracket B4 100/2</b>						
P133930		Bracket to be used for the mounting of mesh trays 422-622 mm. To be installed in pairs in two lines for heavy mesh trays. Intended for extended vertical installation in hygienic areas where a distance is needed for cleaning purposes. Distance to the supporting surface 100 mm. Material: Stainless steel AISI316L.				
		B4 100/2	85/95/100	16	3606480531316	CSU794989
<b>Bracket B4 100/4 / B4 Mini 100</b>						
P133931		Bracket to be used for the mounting of mesh trays. Intended for extended vertical installation in hygienic areas where a distance is needed for cleaning purposes. Distance to the supporting surface 100 mm. Material: Stainless steel AISI316L.				
		B4 100/4, for mesh trays 220-320 mm	85/95/100	26	3606480531323	CSU794990
P133932		B4 Mini 100, for mesh trays 53-120 mm	53/55/100	16	3606480531330	CSU794991

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## Brackets





P140964

P140965






P140966

Type	Dimensions A/B/C mm		Weight kg/100 pcs	EAN code	Ref. No.
Bracket B9					
Bracket to be used for the mounting of mesh trays onto walls and pendants. Material: Stainless steel AISI316L.					
B9/75-120	120/180/40		34	7332227013215	1149321
B9/220	120/280/40		46	7332227013222	1149322
B9/320	120/380/40		59	7332227013239	1149323
B9/422	142/480/40		76	7332227013246	1149324
B9/522	130/580/50		160	7332227013956	1149395
B9/622	130/680/50		186	7332227013963	1149396


## Pendants

 P140968	<b>Pendant B12L</b>					
	Pendant for light installations. Mounted with M8/M10 bolt. Telescopic extension with B19. Material: Stainless steel AISI316L.					
	B12L/250	250/145/60		61	7332227013369	1149336
 P140969	<b>Pendant B12</b>					
	Pendant for heavy installations. Mounted with M8/M10 bolt. Telescopic extension with B19. Material: Stainless steel AISI316L.					
	B12/250	250/142/142		128	7332227013482	1149348
	B12/500	500/142/142		207	7332227013505	WBE1149350

## Ceiling and joining fittings, support

 P140970	<b>Ceiling fitting B23</b>					
	Adjustable ceiling fitting for mounting onto a straight or a sloping ceiling. Material: Stainless steel AISI316L.					
	B23	53/150/150		43	7332227013642	1149364
 P140971	<b>Extension B19</b>					
	Extension for telescopic extension of Pendant B12 , B12L and for mounting onto Ceiling fitting B23. Material: Stainless steel AISI316L.					
	B19	1000/25/61		171	7332227013611	1149361
 P140972	<b>Joining fitting B24</b>					
	Joining fitting for Extension B19 and mounting onto Ceiling fitting B23. Material: Stainless steel AISI316L.					
	B24	200/20/55		28	7332227013659	1149365
 P140973	<b>Side support B10</b>					
	Side support intended to increase stability of a pendant with assymetrical load. Material: Stainless steel AISI316L.					
	B10	997/40/20		93	7332227013499	1149349
 P140974	<b>Ceiling fitting, universal B46</b>					
	Universal ceiling fitting intended for mounting of Threaded rod B41 onto ceiling. Material: Stainless steel AISI316L.					
	B46	75/30/60		9	7332227015745	1149574

## Ceiling fittings

	Type	Dimensions A/B/C mm		Weight kg/100 pcs	EAN code	Ref. No.
P140975	<b>Ceiling fitting, flexible B47</b>					
	Flexible ceiling fitting that adjusts to the inclination of the ceiling. Delivered complete with Tensi-lock flange nut. Material: Stainless steel AISI316L.					
	B47/M8	65/65/65		13	7332227015752	1149575
P140976	B47/M10	65/65/65		13	7332227015769	1149576
	<b>Ceiling clamp B48</b>					
	Ceiling clamp for hole Ø 22 mm. Delivered complete with Tensi-lock nut and washers. Material: Stainless steel AISI316L.					
P140976	B48/M8	20/20/75		6	7332227015721	1149572
	B48/M10	20/20/75		7	7332227015738	1149573

## Support hooks

P140977	<b>Support hook B35/120-220</b>					
	Support hook intended for 120-220 mm mesh trays. Material: Stainless steel AISI316L.					
P140978	B35/120-220	120/50/95		26	7332227013192	1149319
	<b>Support hook B35/320-422</b>					
P140978	Support hook intended for 320-422 mm mesh trays. Material: Stainless steel AISI316L.					
	B35/320-422	110/50/290		48	7332227013208	1149320
P140979	<b>Support hook B35/422-622</b>					
	Reinforced support hook intended for 422-622 mm mesh trays. Material: Stainless steel AISI316L.					
P140980	B35/422-622	120/50/410		103	7332227013307	1149330
	<b>Support hook B39</b>					
P140981	Support hook for mounting onto a Threaded rod. For tray widths 120-220 and 320-422 respectively. Material: Stainless steel AISI316L.					
	B39/120-220	25/50/95		8	7332227013178	1149317
P140981	B39/320-422	25/50/290		30	7332227013185	1149318

## Threaded rods

P140075	<b>Threaded rod B41</b>					
	Threaded rod according to metric standard 6G. Material: Stainless steel AISI316L.					
P140076	B41/M8	8/8/1000 8/8/2000		32 63	7332227015516 7332227015523	1149551 1149552
	B41/M10	10/10/1000 10/10/2000		50 99	7332227015615 7332227015622	1149561 1149562


## Nuts

P140154	<b>Flange nut B43</b>					
	Flange nut to be mounted onto Threaded rod B41 in order to lock it to the Support hook and the Ceiling fittings. Material: Stainless steel AISI316L.					
	B43/M8, 50 pcs	8/17/17		34	7332227015547	1149554
P140155	B43/M10, 50 pcs	15/20/20		56	7332227015646	1149564
	<b>Distance nut B42</b>					
	Distance nut to be used when joining Threaded rods. Material: Stainless steel AISI316L.					
P140155	B42/M8	30/15/15		1	7332227015554	1149555
	B42/M10	40/20/20		2	7332227015653	1149565

# Steel mesh trays

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## Accessory holders

	Type	Dimensions A/B/C mm		Weight kg/100 pcs	EAN code	Ref. No.
P140982	<b>Accessory holder B5 Mini</b>					
	Accessory holder with a universal hole pattern for the mounting of a variety of boxes and outlets. The holder is easy to mount in different directions and angles on a mesh tray. The holder is tightened to the mesh tray by closing the grip around the wires. Material: Stainless steel AISI316L.					
	B5 Mini	140/24/170		20	7332227013376	1149337
P140983	<b>Accessory holder B5</b>					
	Accessory holder without holes or with a universal hole pattern for the mounting of a variety of boxes and outlets. The holder is easy to mount in different directions and angles on a mesh tray. The holder is tightened to the mesh tray by closing the grip around the wires. Material: Stainless steel AISI316L.					
	B5 with holes	120/28/230		43	7332227013581	1149358
P140984	B5 without holes	120/28/230		46	7332227013680	1149368

## Accessories











P140988	<b>Plate cover B7</b>					
	Mesh tray plate cover, to be mounted with Clips B8, 4 pcs / cover. For tray widths acc. to the type designation. Cover length 1250 mm. Material: Stainless steel AISI316L.					
	B7/75	17/80/1250		87	7332227013703	1149370
	B7/120	17/125/1250		124	7332227013710	1149371
	B7/220	17/225/1250		191	7332227013727	1149372
	B7/320	17/325/1250		253	7332227013734	1149373
P140991	<b>Clip B8</b>					
	Clip intended to mount Plate cover B7 on a mesh tray, 4 pcs/cover. Material: Stainless steel AISI316L.					
	B8	10/20/30		1	7332227013796	1149379
P140995	<b>Separating plate B26</b>					
	L-shaped separating plate, fixed to the mesh tray by bending the flaps around the transversal wires. Material: Stainless steel AISI316L.					
	B26	40/30/2500		113	7332227013789	1149378
P140997	<b>Tele-channel B6</b>					
	Tele-channel to be fixed to the mesh tray by bending the flaps around the transversal wires. Material: Stainless steel AISI316L.					
	B6	40/50/2500		201	7332227013475	1149347
P140021	<b>Combi-fittings B21</b>					
	Combi-fitting to be mounted onto cable ladders. Material: Stainless steel AISI316L.					
	B21	250/50/20		45	7332227013598	1149359
P140022	B21 90 degrees	120/50/135		45	7332227013918	1149391
P140998	<b>Support B33</b>					
	Support to be used for mounting of all mesh trays on the floor, for example under a raised floor. The height of B33 Support is adjustable from 215 to 370 mm. The upper or lower part can be adjusted in a 90° angle. Material: Stainless steel AISI316L.					
	B33	215/100/220		157	7332227013352	1149335
P140999	<b>Conveyor bracket B17</b>					
	Universal fitting to be used when mounting wire trays along conveyor systems. Material: Stainless steel AISI316L.					
	B17	35/450/35		55	7332227013925	1149392

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### Corrosion class C5-I/C5-M





#### Accessories

		Type	Dimensions A/B/C mm	Weight kg/100 pcs	EAN code	Ref. No.
		<b>Earth connection clamp B18</b>				
		Earth connection clamp to be used to mount earth cable onto a chosen wire of the mesh tray. Material: Brass, electrolytically nickel coated.				
P141000		B18	15/30/15	2	321677887163	1149180
		<b>End plugs 28K, 28L, 28M</b>				
		End plug to be mounted on Pendant B12/B12L and on Extension B19 respectively, see below. Intended to provide protection against personal injuries and to make the the ends of the profiles more conspicuous. Material: PP/TPE, orange.				
P135759		28K For Pendant B12	24/33.5/75	1.25	3606480457548	CSU794521
P135760		28L For Pendant B12L	20/20/60	0.7	3606480457555	CSU794522
P135761		28M For Extension B19	20/26/66s	0.86	3606480457562	CSU794523
		<b>Safety cap B32</b>				
		Safety cap of halogen-free and flame-proof plastic material. To be mounted onto wires sticking out. Bag with 100 pcs. Material: PE.				
P141001						
		B32/3	5/8/5	5	7332227013895	1149389
		B32/4	8/10/8	5	7332227013888	1149388
		B32/5	8/10/8	4	7332227013666	1149366
		B32/6	8/10/9	3	7332227013673	1149367
		<b>Mounting spacer B22</b>				
		Plastic spacer that fits all mini mesh-tray dimensions. Mounted by snapping the spacer onto the bottom wires. For 3 mm wire diameter. Bag with 10 pcs. Material: PE.				
P141002		B22	6/18/18	1.4	7332227015233	1149523
		<b>Radius limiter B34</b>				
		Radius limiter that limits the bend radius for sensitive cables. The radius limiter is mounted from below by using the locking stick. Material: Stainless steel AISI316L.				
B224724		B34/75	40/80/75	9	7332227015370	1149537
		B34/120	40/80/115	11	7332227015318	1149531
		B34/220	40/80/215	22	7332227015325	1149532
		B34/320	40/80/315	33	7332227015332	1149533
		B34/422	40/80/415	45	7332227015349	1149534
		B34/522	40/80/515	58	7332227015356	1149535
		B34/622	40/80/615	68	7332227015363	1149536
		<b>AS-I clip B14</b>				
		Plastic clip, oil and UV-resistant, intended for the fixing of AS-I cable. For mesh tray wire diameter 4 and 5 mm respectively. The grey clip is also used for mounting onto Fixing plate B15. Package of 100 pcs. Material: POM.				
P141008		B14, blue For 4 mm wire	10/15/14	10	7332227015202	1149520
P141009		B14, grey For 5 mm wire	10/15/14	10	7332227015219	1149521
		<b>Fixing plate B15</b>				
		Plastic plate, oil and UV-resistant, intended for mounting of cable or hose onto machines for example. The cable is mounted onto the fixing plate with Cable clips B14 or B16. Package of 100 pcs. Material: POM.				
P141010		B15, grey	5/15/15	7	7332227015226	1149522

## Accessories

	Type	Dimensions A/B/C mm	Weight kg/100 pcs	EAN code	Ref. No.
  	<b>Cable clip B16</b>				
	Plastic clip, oil and UV-resistant, intended for mounting of cable or hose, Ø 6, 8 or 10 mm respectively, onto a 5 mm mesh tray wire. Can also be used to mount cable or hose onto Fixing plate B15. Package of 100 pcs. Material: POM.				
	B16, grey, Ø 6 mm	10/16/15	11	7332227015257	1149525
	B16, black, Ø 8 mm	10/16/15	10	7332227015264	1149526
	<b>Velcro B51</b>				
	Velcro tape intended to attach bundles of cables onto a mesh tray. Length 22.8 m, colour black.				
	B51/10	10/22.8	16	7332227186506	1518650
	B51/20	20/22.8	32	7332227186513	1518651
   	<b>Marking clip B44</b>				
	Plastic marking clip, flame-resistant, to be snapped onto the two side wires of the mesh tray. The Equipotential Bonding clip is available in Swedish, English and German. Package of 10 pcs. Material: ABS.				
	B44	40/10/90	1	7332227014274	1149427
	B44/Potentialutjämning, SE	40/10/90	1	7321677888566	1149428
	B44/Equipotential Bonding, GB	40/10/90	1	7321677888573	1149429
    	<b>Identification tag B40</b>				
	Identification tag to be snapped onto mesh tray wires of Ø 5 mm. Package of 10 pcs. Material: ABS.				
	B40/Opto	35/8/43	1	7332227014205	1149420
	B40/Coax	35/8/43	1	7332227014212	1149421
	B40/Pair	35/43/8	1	7332227014229	1149422
	B40/Neutral	35/8/43	1	7332227014236	1149423
	B40/Pow	35/8/43	1	7332227014243	1149424

## Tools

	<b>Cable roller B25</b>				
	Cable roller intended to facilitate the pulling of cables into the mesh trays. Mounted on the mesh tray by pulling the black knob outwards. When the cable pulled by the cable roller has reached the desired distance, it is moved to the tray by pushing the small metal button to open the cable roller and removing it. Material: Stainless steel AISI316L, plastic.				
	B25	210/130/40	35	7332227019552	1653955
	<b>Bolt cutter B28</b>				
	Bolt cutter with angled clipper cut head for narrow and clean cuts of mesh tray wires.				
	B28	140/40/630	272	7332227239981	1623998
	<b>Spanner B45</b>				
	10 mm combination spanner, open end/flex head end. Material: Chrome vanadium steel.				
	B45	15/15/180	7	7332227222006	1622200



# The right surface treatment

## – crucial for a successful outcome

A cable support installation is considered to be a long-lasting solution and the life expectancy is dependent on the environment in which it is placed. A thorough investigation of the setting in terms of corrosion, pollution, humidity, salt, sanitary regulations etc will help you make the best choice. Our range of mesh trays and accessories covers all types of surface treatments, enabling a reliable, cost-efficient and long-lasting cable support solution.

### C1 Electro-galvanized

**Indoor environments: Schools, shops, hotels, offices, sports halls etc.**

- Very low environmental corrosion.
- Heated areas.
- Arid atmosphere.
- Insignificant quantities of pollutant.
- DIN 50961/ISO 2081.



### C2 Pre-galvanized

**Partly outdoor environments: Industries, sports halls, warehouses, shops, rural outdoor areas etc.**

- Low environmental corrosion.
- Non-heated areas with fluctuating levels of temperature and humidity.
- Few instances of condensation and low levels of airborne pollution.
- SS-EN 10327:2004.



### C3 Hot-dip galvanized

**Indoor- and outdoor environments: Urban and light industrial areas, breweries, dairies, laundries etc.**

- Average environmental corrosion.
- Areas with average levels of humidity and some airborne pollution caused by production processes.
- Atmospheres containing some salt or average levels of airborne pollution.
- EN-ISO1461:2009



## C4 Hot-dip galvanized

**Indoor- and outdoor environments: Chemical plants, industrial and coastal areas, swimming pools, farms, dockyards etc.**

- High environmental corrosion.
- Areas with high levels of humidity and considerable air-born pollution.
- Atmospheres with average salt content or discernible levels of airborne pollution.
- EN-ISO1461:2009.



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## C5-I Stainless steel AISI 304

**Indoor- and outdoor environments: Chemical and heavy industries, tunnels, swimming pools, dockyards etc.**

- Very high (industrial) environmental corrosion.
- Areas with almost permanent condensation, large quantities of airborne pollution, high levels of humidity and aggressive atmospheres.
- SS2333 RF/AISI 304



P134675

## C5-M Stainless steel, AISI 316L

**Indoor- and outdoor environments: Heavy industries, coastal and offshore areas, purifying plants etc.**

- Very high (marine) environmental corrosion.
- Areas with almost permanent condensation and large quantities of airborne pollution. Atmospheres with high salt content.
- SS2348 SF/AISI 316L



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The life expectancy of a cable support system is dependent on the environment in which it is placed. Therefore, it is important to establish the corrosive properties of an environment to ensure that the right treatment and the right material are chosen. The table below shows various corrosion classes. As a guide, we have included the surface treatment recommended by Schneider Electric for the different classes.

On the next page, we briefly outline the various surface treatments and materials.

As regards environmental corrosion, a steel design component can usually be assigned to one of the corrosion classes (C1 to C5-M) as shown in table A. Reference values for the average level of corrosion in steel and zinc are given in table B.

The corrosion classes comply with those stipulated in SS-EN ISO 12944-2.

**Table A**

Corrosion classes as stipulated by SS-EN ISO 12944-2 with atmospheric corrosion levels and examples of the environment in which they are most suitable for use.

Corrosion class	Environmental corrosion	Examples of typical environments in temperate climates (informative)		Schneider Electric designation
		Outdoors	Indoors	
C1	Very low	–	Heated areas with arid atmosphere and insignificant quantities of pollutant, e.g. offices, shops, schools and hotels.	<b>Electro-galvanized</b> DIN 50961/ISO 2081
C2	Low	Atmospheres with low levels of airborne pollution. Rural areas.	Non-heated areas with fluctuating levels of temperature and humidity. Few instances of condensation and low levels of airborne pollution, e.g. sports halls and warehouses.	<b>Pre-galvanized</b> Z 275 in accordance with SS-EN 10327:2004
C3	Average	Atmospheres containing some salt or average levels of airborne pollution. Urban and light industrial areas. Areas affected by coastal conditions.	Areas with average levels of humidity and some airborne pollution resulting from production processes, e.g. breweries, dairies, laundries.	<b>Hot-dip galvanized</b> after manufacture in accordance with EN-ISO 1461:2009
C4	High	Atmospheres with average salt content or discernible levels of airborne pollution. Industrial and coastal areas.	Areas of high humidity and considerable airborne pollution as the result of production processes, e.g. chemical plants, swimming pools and dockyards.	
C5-I	Very high (industrial)	Industrial areas with high levels of humidity and aggressive atmospheres.	Areas with almost permanent condensation and large quantities of airborne pollution.	<b>Zinkpox®</b> HDG+powder coating* <b>Stainless steel</b> SS2333 AISI 304
C5-M	Very high (marine)	Coastal and offshore areas with high salt content.	Areas with almost permanent condensation and large quantities of airborne pollution.	<b>Stainless steel</b> SS2348 AISI 316L

\* Only for Cable Ladders and Cable Trays

\*\* Only for Cable Ladders

**Table B**

Mass losses for steel and zinc in various corrosion classes

Corrosion class	Mass loss per surface unit and thickness reduction (1 year of exposure) <sup>1</sup>			
	Steel		Zinc	
	Mass loss (g/m <sup>2</sup> )	Thickness reduction (µm)	Mass loss (g/m <sup>2</sup> )	Thickness reduction (µm)
C1	≤ 10	≤ 1.3	≤ 0.7	≤ 0.1
C2	> 10 to 200	> 1.3 to 25	> 0.7 to 5	> 0.1 to 0.7
C3	> 200 to 400	> 25 to 50	> 5 to 15	> 0.7 to 2.1
C4	> 400 to 650	> 50 to 80	> 15 to 30	> 2.1 to 4.2
C5-I	> 650 to 1500	> 80 to 200	> 30 to 60	> 4.2 to 8.4
C5-M	> 650 to 1500	> 80 to 200	> 30 to 60	> 4.2 to 8.4

<sup>1</sup> Corrosion speed is generally higher when the material is first exposed