

ABN 43 008 701 335

# SECTION 3

Cable Ladder Hot Dip Galvanised

AUSTRALIA WIDE AUSTRALIAN MADE

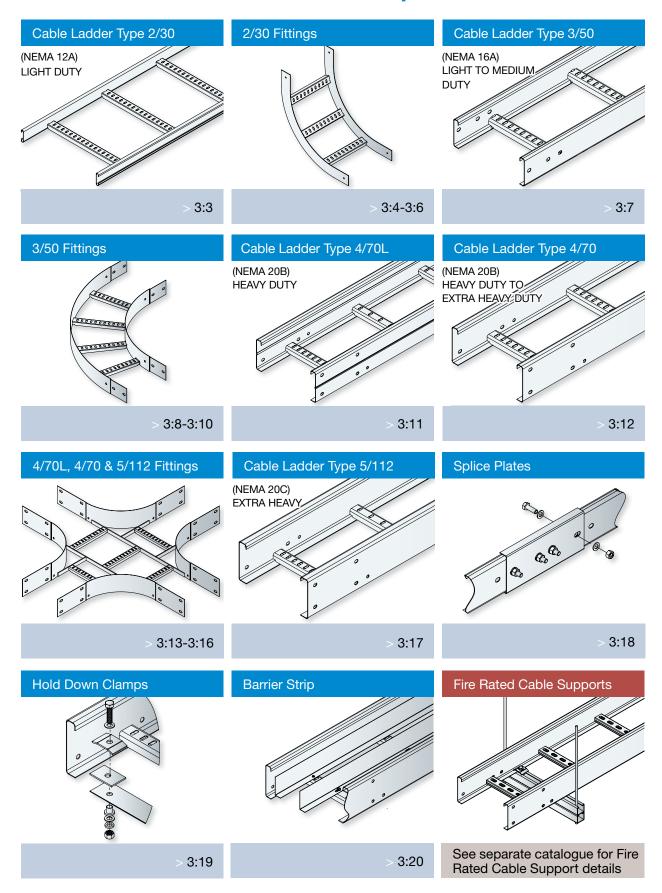


Quality Endorsed Company ISO9001 Lic No 13146

**EDITION 2** 



# **SECTION 3:** Cable Ladder Hot Dip Galvanised





# **Cable Ladder Hot Dip Galvanised**

## **General Description**

The Kounis Group Hot Dip Galvanised Cable Ladder Systems are developed for use in commercial, industrial & mining applications.

Its superior support strength and open ventilation allows for effortless installation of electrical cables and or pipe work.

The finished product is constructed from mild Steel side rail sections and rungs welded at 300 mm continuous spacings, surface treatment is post production Hot Dip Galvanising.

This product range comprises of five system types to cover a wide range of requirements; *Type 2/30* Light Duty 65 mm Side (NEMA 12A), *Type 3/50* Medium to Heavy Duty 100 mm Side (NEMA 16A), *Type 4/70L* Heavy Duty 1.6 mm 130 mm Side (NEMA 20B), *Type 4/70* Heavy to Extra Heavy Duty 2.0 mm 130 mm Side (NEMA 20B) and *Type 5/112* Extra Heavy Duty 146 mm Side (NEMA 20C). All of which offer the following standard features:

- 6 m length
- Self-splicing Bend, Riser, Tee & Cross Fittings
- Rail in or rail out option (Type 2/30 is only available in Rail Out)
- Earthing holes at point of connection on straight lengths as well as fittings
- Channel type rung offering superior strength
- 25 mm rung tie off centres to allow maximum tie off options
- Engineer certification to withstand certain cyclonic conditions (only available for type 4/70 & 5/112, minimum installation requirements apply)

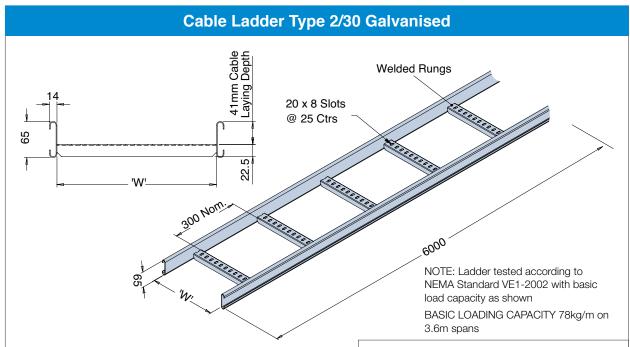
All fitting radius measurements are to the internal side rail, stock standard radius varies depending on cable ladder system type and branch standard. All other listed radius options are made to firm order.

Load capacities and deflection graphs are published by type and can be found on the straight length page for the associated cable ladder system.

Tested to NEMA VE1-2002 Standards, Full engineering details are available on request.

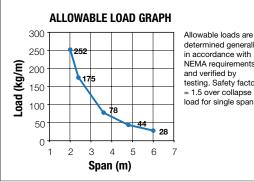


# Cable Ladder Light Duty Type 2/30 12A 1.6 mm Steel Galvanised

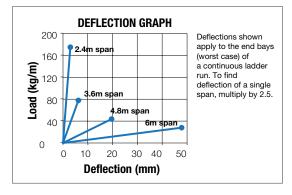


#### Specification

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Class Designation:	Cable ladder- light duty type 2/30.
Material:	Steel sheet.
Finish:	Hot dip galvanised after fabrication to: AS/NZS 4680 i.e.390gm/m² zinc, approximately 55µm.
Rung Spacing:	300mm spacing with slotted rungs standard
Side Depth:	65 mm high sided tray.
Inside Depth:	41 mm cable laying depth
Stock Length:	6000 mm standard joining together by a pair of quick fix bolt on splice plates supplied separately. No side rail drilling required.
Stock Widths:	150 mm, 300 mm, 450 mm & 600 mm standard widths.
Fittings:	A full range fitting are available e.g. bend, risers, tees, crosses & reducers.
Radius:	300mm radius for standard fittings. Other radius fittings are available and made to firm orders.
Accessories:	Flat or peak covers available for ladders & fittings. Barrier strips. Hold down clamps.



determined generally in accordance with NEMA requirements and verified by testing. Safety factor = 1.5 over collapse load for single span.

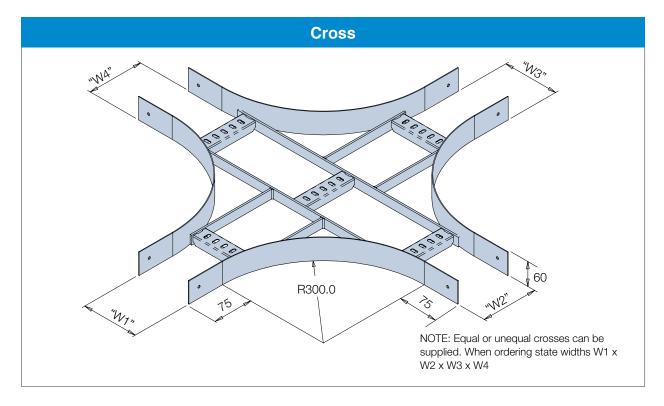


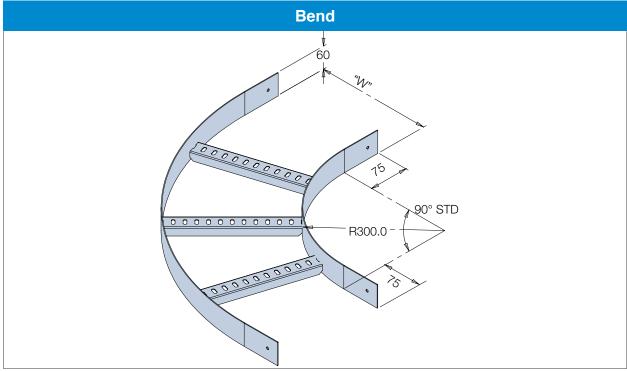
#### When Ordering

Range	Туре	Wide	Std.Finish	Fastenings	Rail Direction	Finish
2C	L	15	Н	K		PC-COL
2C = 2/30 65 mm High Side 1.6 mm Gauge	L = Straight 6 metre Length	30 = 300 mm 45 = 450 mm 60 = 600 mm 75 = 750 mm	H = Hot Dip Galv	K = includes all required Splice plates with Bolts and nuts	Only supplied with Rail Out standard rail (see Rail note)	PC-COL = paint Painted finish to Kounis standard colour range
	der (RO) is a Kounis standard supply code. Rail In ladder is	90 = 900 mm  Ordering example s Painted Finish to sp	shown: 2/30 Cable Lade	der 150mm wide x 6 r	netre HDG c/w Splice	Plates Bolts and Nuts.



# Cable Ladder 2/30 Fittings



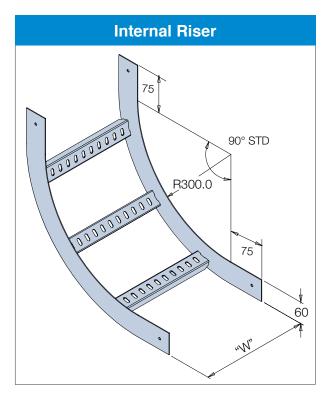


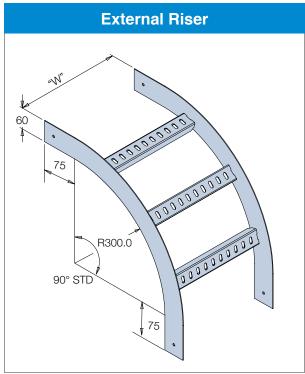
## **When Ordering**

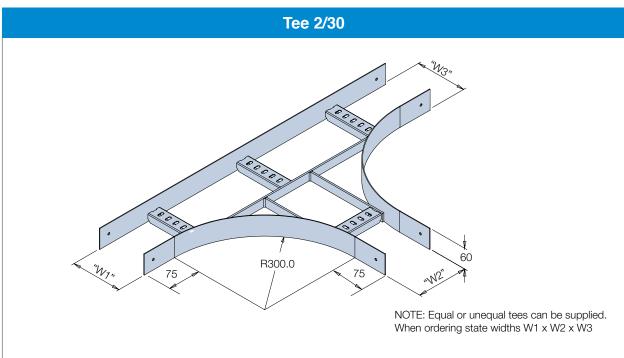
Range	Туре	Wide	Material	Fastenings	<b>Rail Direction</b>	Radius	Finish
2C	В	15	Н	K		3	PC-COL
2C = 2/30 65 mm High Side1.6 mm thk.	B = Bend 90° (see Ordering note) C = Cross Equal	15 = 150 mm 30 = 300 mm 45 = 450 mm 60 = 600 mm 75 = 750 mm	H = Mild Steel Hot Dip Galv S= 316 Stainless Steel A = Aluminium	K = includes all required Bolts and nuts	Only supplied with Rail Out standard rail	3 = 300 mm	PC-COL = paint Painted finish to Kounis standard colour range
RAIL NOTE: This Ladd standard and will not s Rail In ladder is not av	how in a supply code.		 IPLE SHOWN: 2/30 Cable I specification colour	adder 90° Bend 15	0mm wide HDG 300r	mm Radius c/w l	Bolts and Nuts.



# Cable Ladder 2/30 Fittings





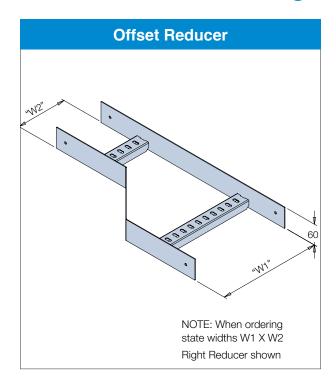


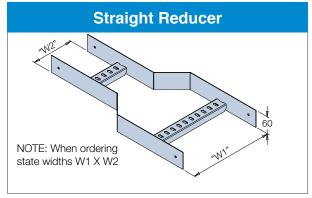
#### When Ordering

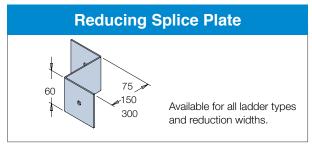
Range	Туре	Wide	Material	Fastenings	<b>Rail Direction</b>	Radius	Finish
2C	RI	15	Н	K		3	PC-COL
2C = 2/30 65mm High Side 1.6mm thk.	RI = Internal Riser 90° RX=External Riser 90° (see Ordering note) T = Tee Equal	15 = 150 mm 30 = 300 mm 45 = 450 mm 60 = 600 mm 75 = 750 mm	H = Mild Steel Hot Dip Galv	K = includes all required Bolts and nuts	Only supplied with Rail Out standard rail (see Rail note)	3 =300 mm	PC-COL = paint Painted finish to Kounis standard colour range
RAIL NOTE: This Lad standard and will not In ladder is not availa	show in a supply code. Rail	Nuts. Painted Fin	//PLE SHOWN: 2/30 Cat ish to specification colou I 60° option shown after	ır.			Radius c/w Bolts and



# **Cable Ladder 2/30 Fittings**





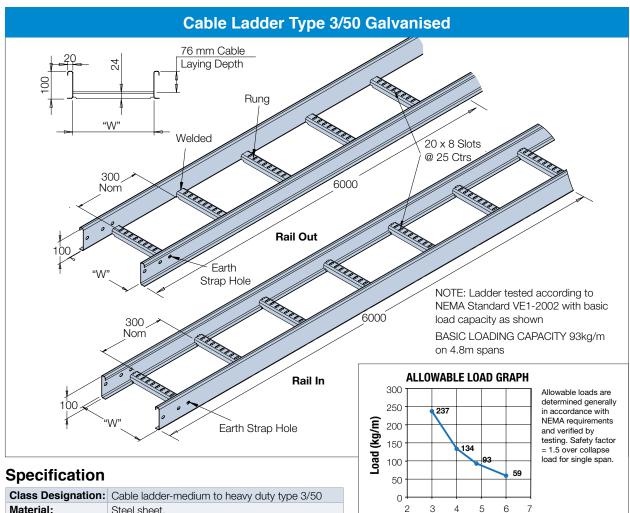


## **When Ordering**

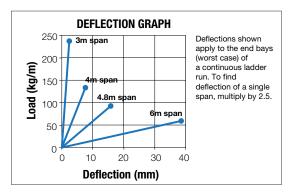
Range	Туре	Wide	Material	Fastenings	<b>Rail Direction</b>	Finish
2C	SR	3015	Н	K		PC-COL
High Side1.6 mm thk.	SR = Straight Reducer RR = Right Reducer LR = Left Reducer PR = Reducing Splice Plate (75-150-300 mm)	4530 = 450 to 300 mm 6045 = 600 to 450 mm	A = Aluminium	all required	with Rail Out (See Rail note)	PC-COL= paint Painted finish to Kounis standard colour range
	lder (RO) is a Kounis standard a supply code. Rail In ladder is	ORDERING EXAMPLE SHO Painted Finish to specificati	DWN: 2/30 Cable Ladder Straight on colour.	Reducer 300 to 1	50 mm wide HDG c/w	Bolts and Nuts.



# Cable Ladder Medium To Heavy Duty Type 3/50 16A 1.6 mm Steel Galvanised



•	
<b>Class Designation:</b>	Cable ladder-medium to heavy duty type 3/50
Material:	Steel sheet.
Finish:	Hot dipped galvanised after fabrication to AS/NZS 4680 i.e. 390 gm/m² zinc, approx, 55µm.
Rung Spacing:	300 mm spacings with slotted rungs standard.
Inside Depth:	76 mm cable laying depth.
Stock Length:	6000 mm standard, joining together by full strength splice plates.
Stock Widths:	150 mm, 300 mm, 450 mm & 600 mm standard other widths available by request.
Fittings:	A full range of fittings are available e.g. bends, risers, tees, crosses & reducers.
Radius:	300 mm radius standard for rail in. 450 mm radius standard for rail out. Other radii available by request.
Accessories:	Flat or peak covers available for ladders & fittings. Barrier strips. Hold down clamps.



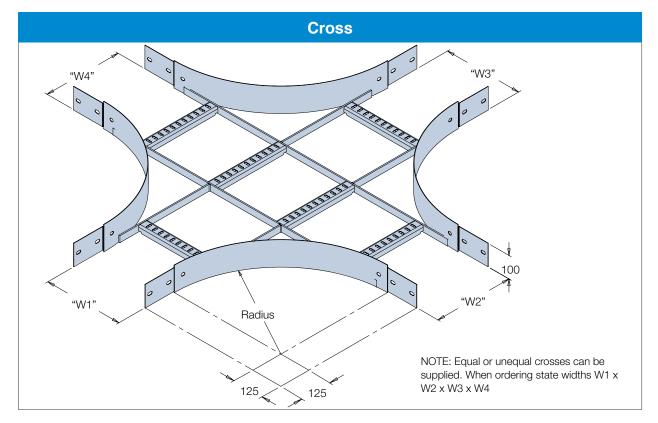
Span (m)

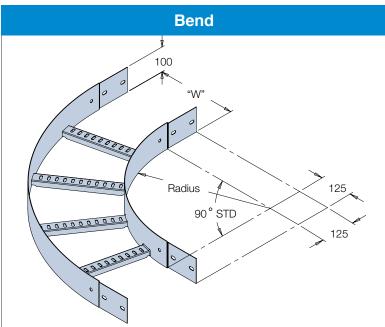
#### When Ordering

Range	Туре	Wide	Std.Finish	Fastenings	Rail Direction	Finish			
3C	L	15	Н	K	RI or RO	PC-COL			
3C = 3/50 100 mm High Side 1.6 mm Gauge		15 = 150 mm 30 = 300 mm 45 = 450 mm 60 = 600 mm 75 = 750 mm	H = Hot Dip Galv	K = includes all required Splice plates with Bolts and nuts	RO = Rail Out	PC-COL = paint Painted finish to Kounis standard colour range			
NOTE: Rail In Ladder (RI) is a Kounis standard and will not show in a supply code. All Rail Out ladder will		90 = 900 mm   ORDERING EXAMPLE SHOWN: 3/50 Cable Ladder 150 mm wide x 6 metre HDG c/w Splice Plates Bolts and Nuts.							
have a RO suffix show	n in all supply codes.	Painted Finish to specification colour.							



# **Cable Ladder 3/50 Fittings**





## **Standard Fitting Radius**

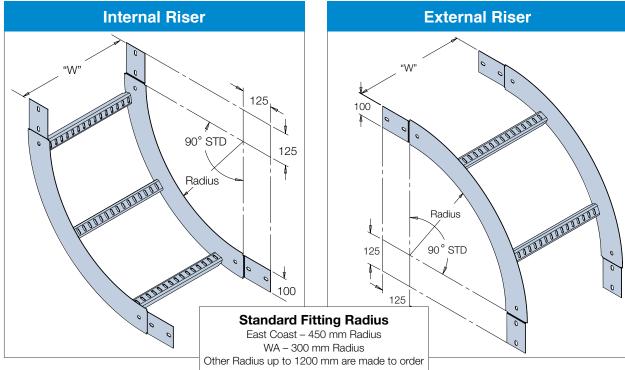
East Coast – 450 mm Radius WA – 300 mm Radius Other Radius up to 1200 mm are made to order

## **When Ordering**

Range	Туре	Wide	Material	Fastenings	<b>Rail Direction</b>	Radius	Finish
3C	В	15	Н	K	RI or RO	3	PC-COL
3C = 3/50 100 mm High Side 1.6 mm thk.	B = Bend 90° C = Cross Equal (see Ordering note)	15 = 150 mm 30 = 300 mm 45 = 450 mm 60 = 600 mm 75 = 750 mm	H = Mild Steel Hot Dip Galv S = 316 Stainless Steel A = Aluminium	K = includes all required Bolts and Nuts	RI = Rail In RO = Rail Out (See Rail In note)	3 = 300 mm 4 = 450mm 6 = 600 mm	PC-COL = paint Painted finish to Kounis standard colour range
and will not show in a	r (RI) is a Kounis standard a supply code. All Rail a RO suffix shown in all	Painted Finish to Notes: 45, 30 & 6	//PLE SHOWN: 3/50 Cable La specification colour. 0° option shown after width ( ade to order (eg: W1-15 x W2	e.g.: 1545) code for 1	50 mm 45° Bend.		olts and Nuts.

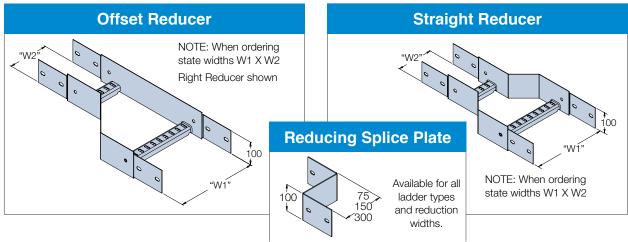


# **Cable Ladder 3/50 Fittings**



#### When Ordering

	•						
Range	Туре	Wide	Material	Fastenings	<b>Rail Direction</b>	Radius	Finish
3C	RI	15	Н	K	RI or RO	3	PC-COL
3C = 3/50 100mm High Side 1.6mm thk	RI = Internal Riser 90° RX=External Riser 90° (see Ordering note)	15 = 150 mm 30 = 300 mm 45 = 450 mm 60 = 600 mm 75 = 750 mm 90 = 900 mm	H = Mild Steel Hot Dip Galv S = 316 Stainless Steel A = Aluminium	K = includes all required Bolts and Nuts	RI = Rail In RO = Rail Out (See Rail In note)	4 = 450 mm	PC-COL = paint Painted finish to Kounis standard colour range
will not show in a supp	RI) is a Kounis standard and ly code. All Rail Out ladder own in all supply codes.	Nuts. Painted Fin	MPLE SHOWN: 3/50 Cable ish to specification colour. 0° option shown after size				adius c/w Bolts and

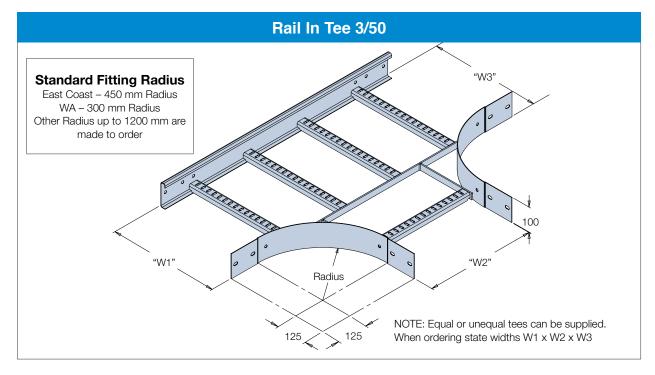


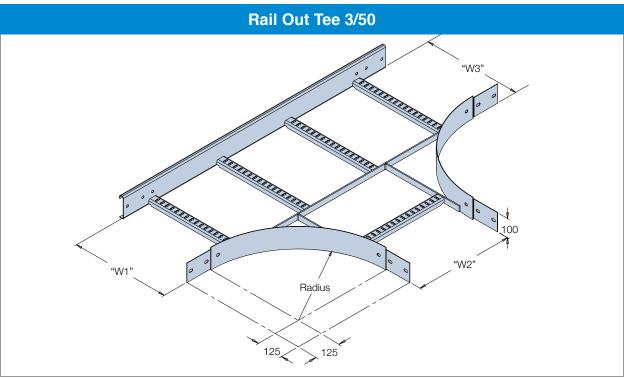
#### When Ordering

Range	Туре	Wide	Material	Fastenings	<b>Rail Direction</b>	Finish
<b>3C</b> 3C = 3/50 100 mm High Side 1.6 mm thk.	SR SR = Straight Reducer RR = Right Reducer LR = Left Reducer PR = Reducing Splice Plate (75-150-300 mm) (See Ordering note)	3015 3015 = 300 to 150 mm 4530 = 450 to 300 mm 6045 = 600 to 450 mm 7560 = 750 to 600 mm 9075 = 900 to 750 mm	H = Mild Steel Hot Dip Galv S= 316 Stainless Steel A = Aluminium	K K = includes all required Bolts and nuts	RI or RO RI = Rail In RO = Rail Out (See Rail In note)	PC-COL PC-COL= paint Painted finish to Kounis standard colour range
NOTE: Rail In Ladder (RI) is a Kounis standard and will not show in a supply code. All Rail Out ladder will have a RO suffix shown in all supply codes.			ORDERING EXAMPLE SHOWN HDG c/w Bolts and Nuts. Pa			300 to 150 mm wide



# **Cable Ladder 3/50 Fittings**



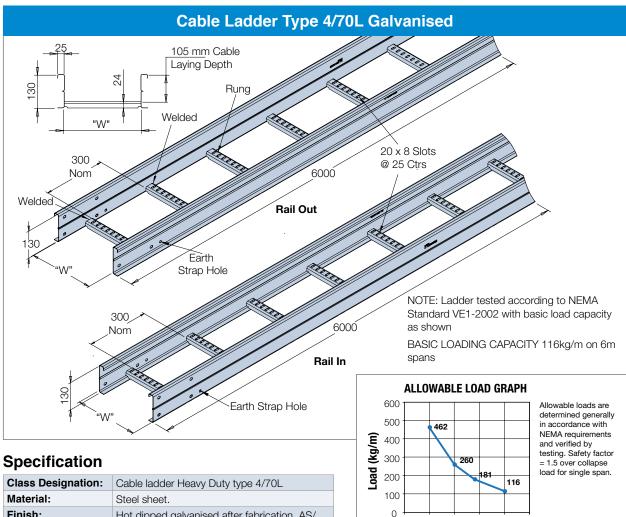


## **When Ordering**

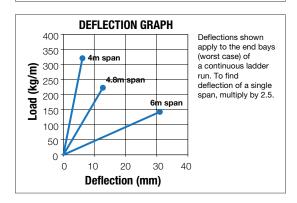
Range	Туре	Wide	Material	Fastenings	Rail Direction	Radius	Finish
3C	T	15	Н	K	RI or RO	3	PC-COL
3C = 3/50 100 mm High Side 1.6 mm thk	T = Tee Equal (see Ordering note)	15 = 150 mm 30 = 300 mm 45 = 450 mm 60 = 600 mm 75 = 750 mm 90 = 900 mm	H = Mild Steel Hot Dip Galv S = 316 Stainless Steel A = Aluminium	K = Includes all required Bolts and Nuts	RO = Rail Out	4 = 450 mm	PC-COL= paint Painted finish to Kounis standard colour range
NOTE: Rail In Ladder (F and will not show in a s Out ladder will have a F supply codes.	supply code. All Rail	Painted Finish to	MPLE SHOWN: 3/50 Cable Lassecification colour. See option made to order (eg.)	•			Solts and Nuts.



# Cable Ladder Heavy Duty Type 4/70L 20B 1.6 mm Steel Galvanised



•	
Class Designation:	Cable ladder Heavy Duty type 4/70L
Material:	Steel sheet.
Finish:	Hot dipped galvanised after fabrication. AS/ NZS 4680 i.e. 390 gm/m² zinc, approx, 55 µm.
Rung Spacing:	300 mm spacings with slotted rungs standard.
Inside Depth:	105 mm cable laying depth.
Stock Length:	6000 mm standard, joining together by full strength splice plates.
Stock Widths:	150 mm, 300 mm, 450 mm & 600 mm standard.
Fittings:	A full range of fittings are available e.g bends,risers,tees,crosses & reducers.
Radius:	300 mm radius standard for rail in. 450 mm radius standard for rail out. Other radii available by request.
Accessories:	Flat or peak covers available for ladders & fittings. Barrier strips. Hold down clamps.



Span (m)

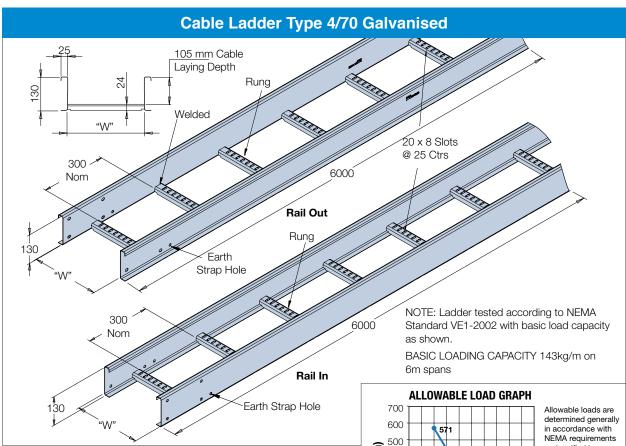
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#### When Ordering

Range	Туре	Wide	Std.Finish	Fastenings	Rail Direction	Finish
4CL	L	15	Н	K	RI or RO	PC-COL
4CL = 4/70L 130 mm High Side 1.6 mm Gauge		15 = 150 mm 30 = 300 mm 45 = 450 mm 60 = 600 mm 75 = 750 mm	H = Hot Dip Galv	K = includes all required Splice plates with Bolts and Nuts	RO = Rail Out	PC-COL = paint Painted finish to Kounis standard colour range
	RI) is a Kounis standard and oly code. All Rail Out ladder will n in all supply codes.	90 = 900 mm  ORDERING EXAMP  Painted Finish to sp		le Ladder 150 mm wide :	x 6 metre HDG c/w Splic	e Plates Bolts and Nuts.



# Cable Ladder Heavy to Extra Heavy Duty Type 4/70 20B 2.0 mm Steel Galvanised

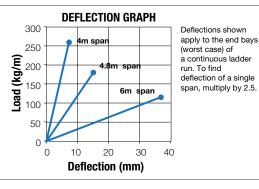


#### **Specification**

Class Designation:	Cable ladder heavy to extra heavy duty type 4/70
Material:	Steel sheet.
Finish:	Hot dipped galvanised after fabrication. AS/NZS 4680 i.e. 390 gm/m² zinc, approx, 55 µm.
Rung Spacing:	300 mm spacings with slotted rungs standard.
Inside Depth:	105 mm cable laying depth.
Stock Length:	6000 mm standard , joining together by full strength splice plates.
Stock Widths:	150 mm, 300 mm, 450 mm & 600 mm standard.
Fittings:	A full range of fittings are available e.g bends, risers, tees, crosses & reducers.
Radius:	300 mm radius standard for rail in. 450 mm radius standard for rail out. Other radii available by request.
Accessories:	Flat or peak covers available for ladders & fittings. Barrier strips. Hold down clamps.

# ALLOWABLE LOAD GRAPH 700 600 5571 600 400 321 8 143 100 2 3 4 5 6 7 Span (m)

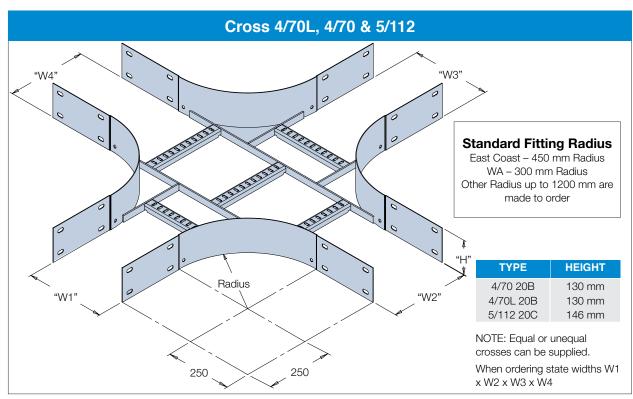
determined generally in accordance with NEMA requirements and verified by testing. Safety factor = 1.5 over collapse load for single span.

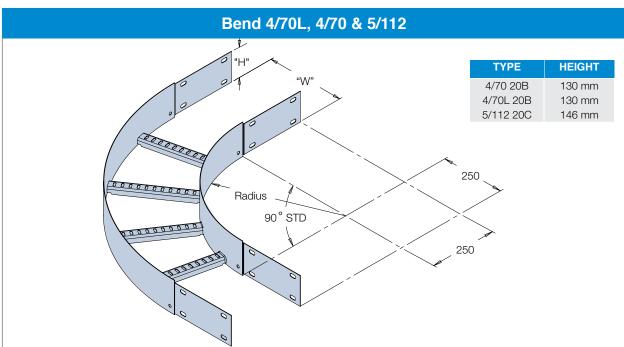


#### When Ordering

Range	Туре	Wide	Std.Finish	Fastenings	Rail Direction	Finish
4C	L	15	Н	K	RI or RO	PC-COL
4C = 4/70 130 mm High Side 2.0 mm Gauge	L = Straight 6 metre Length	15 = 150 mm 30 = 300 mm 45 = 450 mm 60 = 600 mm 75 = 750 mm	H = Hot Dip Galv	K = includes all required Splice plates with Bolts and Nuts	RI = Rail In RO = Rail Out (see Rail In note)	PC-COL = paint Painted finish to Kounis standard colour range
NOTE: Rail In Ladder (RI) is a Kounis standard and will not show in a supply code. All Rail Out ladder will have a RO suffix shown in all supply codes.		90 = 900 mm				
		ORDERING EXAMPLE SHOWN: 4/70 Cable Ladder 150 mm wide x 6 metre HDG c/w Splice Plates Bolts and Nuts. Painted Finish to specification colour.				



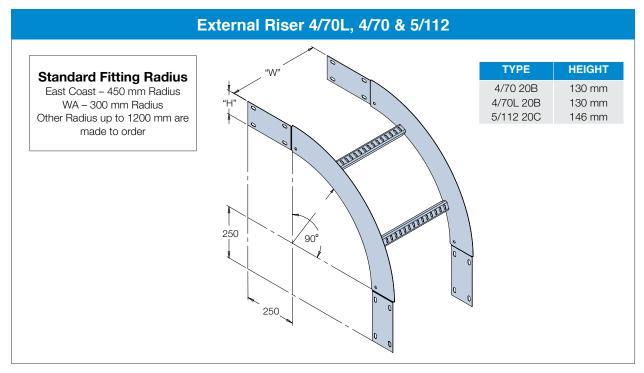


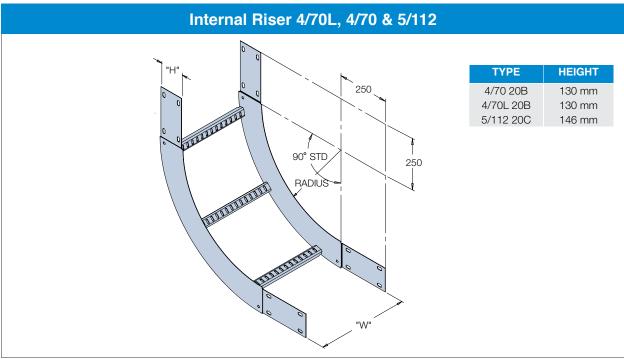


#### When Ordering

Range	Туре	Wide	Material	Fastenings	<b>Rail Direction</b>	Radius	Finish
4C	В	15	Н	K	RI or RO	3	PC-COL
4C = 4/70 130 mm High 2.0 mm thk. 5C = 5/112 146 mm High 2.0 mm thk. 4C = 4/70L 130 mm High 1.6 mm thk	BL= Bend 90°	30 = 300 mm 45 = 450 mm	H = Mild Steel Hot Dip Galv S = 316 Stainless Steel A = Aluminium	K = Includes all required Bolts and Nuts		3 = 300 mm 4 = 450 mm 6 = 600 mm	Painted finish
NOTE: Rail In Ladder (RI) is a Kounis standard and will not show in a supply code. All Rail Out ladder will have a RO suffix shown in all supply codes.  ORDERING EXAMPLE SHOWN: 4/70 Cable Ladder 90° Bend 150 mm wide HDG 300 mm Radius c/w Bolts Painted Finish to specification colour.  Note: 45, 30 & 60° option shown after size (e.g.: 1545) code for alternative 150mm 45° Riser.					w Bolts and Nuts.		



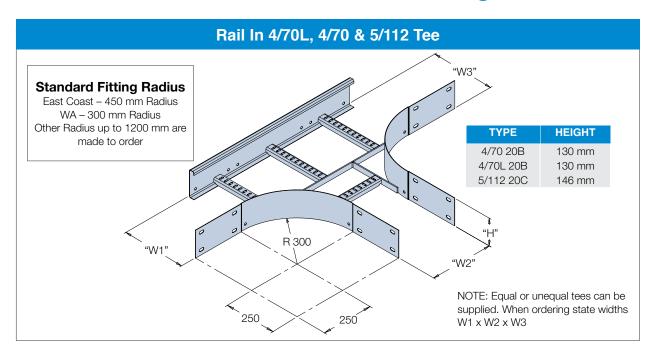


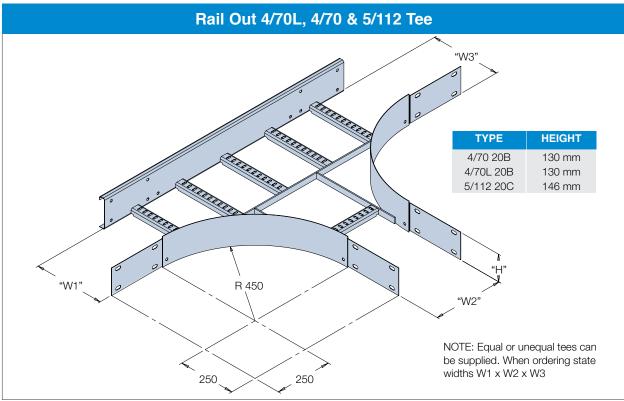


#### When Ordering

	•						
Range	Туре	Wide	Material	Fastenings	<b>Rail Direction</b>	Radius	Finish
4C	RI	15	Н	K	RI & RO	3	PC-COL
4C = 4/70 130 mm High 2.0 mm thk. 5C = 5/112 146 mm High 2.0 mm thk. 4C = 4/70L 130 mm High 1.6 mm thk	RIL = Internal Riser 90°		H = Mild Steel Hot Dip Galv S = 316 Stainless Steel A = Aluminium	K = Includes all required Bolts and Nuts		3 = 300 mm 4 = 450 mm 6 = 600 mm	PC-COL= paint Painted finish to Kounis standard colour range
NOTE: Rail In Ladder (RI) is a Kounis standard and will not show in a supply code. All Rail Out ladder will have a RO suffix shown in all supply codes.  ORDERING EXAMPLE SHOWN: 4/70 Cable Ladder 90° Internal Riser 150 mm wide HDG 300 mm Radius c/w Bo and Nuts. Painted Finish to specification colour. Note: 45, 30 & 60° option shown after size (e.g.: 1545) code for alternative 150mm 45° Riser.					Radius c/w Bolts		



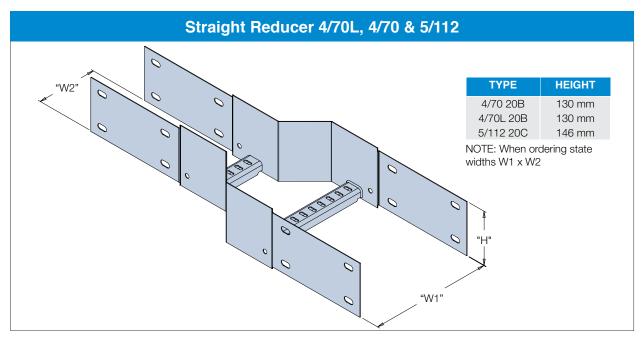


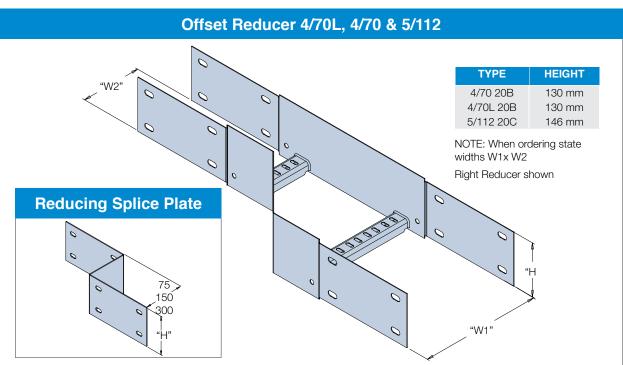


#### When Ordering

	•						
Range	Туре	Wide	Material	Fastenings	<b>Rail Direction</b>	Radius	Finish
4C	Т	15	Н	K	RI or RO	3	PC-COL
4C = 4/70 130 mm High 2.0 mm thk. 5C = 5/112 146 mm High 2.0 mm thk. 4C = 4/70L 130 mm High 1.6 mm thk	4/70L and stainless	15 = 150 mm 30 = 300 mm 45 = 450 mm 60 = 600 mm 75 = 750 mm 90 = 900 mm	H = Mild Steel Hot Dip Galv S = 316 Stainless Steel A = Aluminium	K = Includes all required Bolts and Nuts	-	3 = 300 mm 4 = 450 mm 6 = 600 mm	Painted finish
NOTE: Rail In Ladder (RI) is a Kounis standard and will not show in a supply code. All Rail Out ladder will have a RO suffix shown in all supply codes.  ORDERING EXAMPLE SHOWN: 4/70 Cable Ladder Equal Tee 150 mm wide HDG 300 mm Radius c/w Bolts Nuts. Painted Finish to specification colour.  NOTE: Unequal Tees made to order (e.g.: W1-15 x W2-30 x W3-15) code for alternative size 153015.							





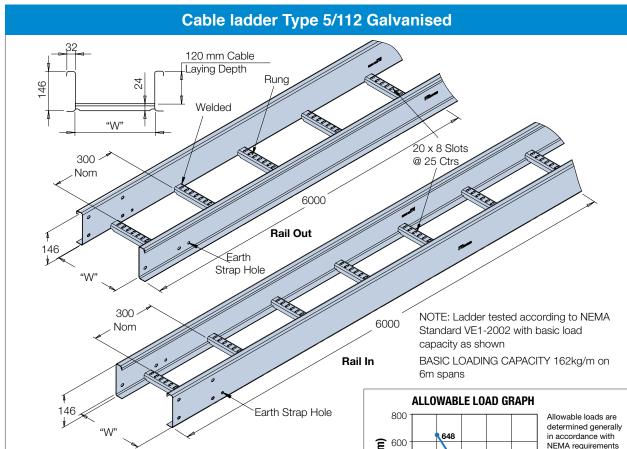


#### When Ordering

Range	Туре	Wide	Material	Fastenings	<b>Rail Direction</b>	Finish
4C	SR	3015	Н	K	RI or RO	PC-COL
4C = 4/70 130 mm High 2.0 mm thk. 5C = 5/112 146 mm High 2.0 mm thk. 4C = 4/70L 130 mm High 1.6 mm thk	PR = Reducing Splice Plate	3015 = 300 to150 mm 4530 = 450 to 300 mm 6045 = 600 to 450 mm 7560 = 750 to 600 mm 9075 = 900 to 750 mm	Dip Galv Painted finish to S= 316 Stainless	K = includes all required Bolts and nuts	RI = Rail In RO = Rail Out (See Rail In note)	PC-COL = paint Painted finish to Kounis standard colour range
	l) is a Kounis standard and will de. All Rail Out ladder will have a upply codes.	ORDERING EXAMPLE SHO Nuts. Painted Finish to spe		traight Reducer 30	0 to 150 mm wide HD	G c/w Bolts and

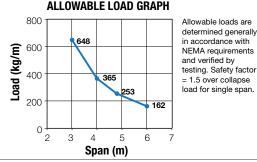


# Cable Ladder Extra Heavy Duty Type 5/112 20C 2 mm Steel Galvanised

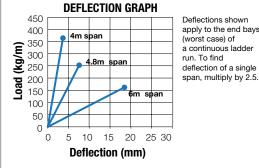


#### **Specification**

opcomodiion	
<b>Class Designation:</b>	Cable ladder extra heavy duty type 5/112.
Material:	Steel sheet.
Finish:	Hot dipped galvanised after fabrication to AS/NZS 4680 ie 390 gm/m² zinc, approx, 55 μm.
Rung Spacing:	300 mm spacings with slotted rungs standard.
Inside Depth:	120 mm cable laying depth.
Stock Length:	6000 mm standard, joining together by full strength splice plates.
Stock Widths:	150 mm, 300 mm, 450 mm & 600 mm standard.
Fittings:	A full range of fittings are available e.g bends, risers, tees, crosses & reducers.
Radius:	300 mm radius standard for rail in. 450 mm radius standard for rail out. Other radii available by request.
Accessories:	Flat or peak covers available for ladders & fittings.  Barrier strips. Hold down clamps.



Deflections shown apply to the end bays (worst case) of a continuous ladder run. To find

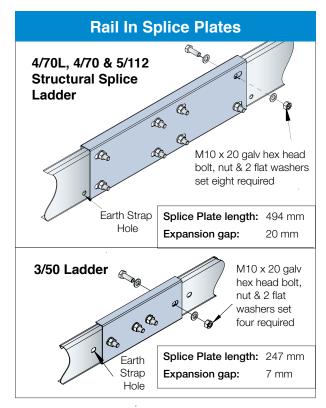


#### When Ordering

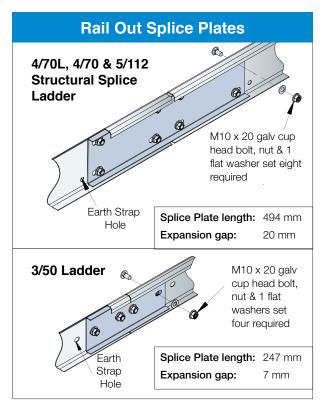
Range	Туре	Wide	Material	Fastenings	Rail Direction	Finish
5C	L	15	Н	K	RI or RO	PC-COL
5C = 5/112 146 mm High Side 2.0 mm Gauge	L = Straight 6 metre Length	15 = 150 mm 30 = 300 mm 45 = 450 mm 60 = 600 mm 75 = 750 mm	H = Hot Dip Galv	K = Includes all required Splice plates with Bolts and nuts	RO = Rail Out	PC-COL = paint Painted finish to Kounis standard colour range
will not show in a supp	NOTE: Rail In Ladder (RI) is a Kounis standard and will not show in a supply code. All Rail Out ladder will have a RO suffix shown in all supply codes.		SHOWN: 5/112 Cable ification colour.	Ladder 150 mm wide	x 6 metre HDG c/w S <sub>l</sub>	olice Plates Bolts and Nuts.



# **Cable Ladder Splice Plates**



Bolting of straight section cable ladder to be as NEMA-VE2-2006 Cl.4.3 and with the tourque settings shown.

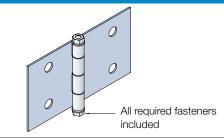


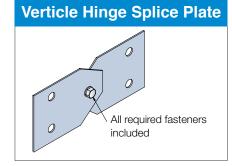
Metric Bolts Class 5.8						
Size	N-m					
M8 x 1.25	14-16					
M10 x 1.5	26-33					
M12 x 1.78	45-58					

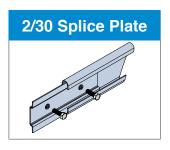
#### When Ordering

Range	Туре	Material	Fastenings	Rail Direction	Finish
3C	LP	Н	K	RI or RO	PC-COL
2C = 2/30 65 mm High Side 3C = 3/50 100 mm High Side 4C = 4/70 130 mm High Side 4CL = 4/70L 130 mm High x 1.6mm 5C = 5/112 146 mm High Side	LP = Straight Splice Plate	H = Mild Steel Hot Dip Galv S = 316 Stainless Steel A = Aluminium	K = includes all required Bolts and nuts	RO = Rail Out	PC-COL = paint Painted finish to Kounis standard colour range
NOTE: Rail In Ladder (RI) is a Kounis stand supply code. All Rail Out ladder will have codes except 2/30 ladder.	ORDERING EXAMPLE SHO Painted Finish to specification		/50 HDG c/w Bolts and	d Nuts.	

# **Horizontal Hinge Splice Plate**







#### When Ordering

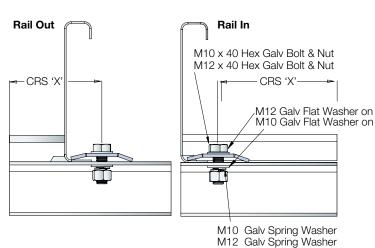
Range	Туре	Material	Fastenings	Finish
2C	HP	Н	K	PC-COL
	HP = Horizontal Hinge Splice Plate VP = Vertical Hinge Splice Plate			PC-COL = paint Painted finish to Kounis standard colour



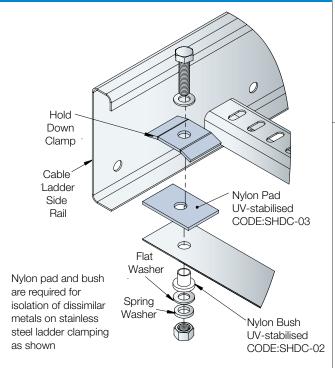
# **Cable Ladder Hold Down Clamps**

# **Cable Ladder Hold Down Clamp Assembly**

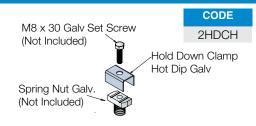
	STANDARD	CYCLONIC	RAIL OUT
	CRS 'X'	CRS 'X'	WIDTH
<b>—</b>	210 mm	224 mm	150 mm
0 0	360 mm	374 mm	300 mm
₹%	524 mm 510 mm		450 mm
œ	660 mm	674 mm	600 mm
<u></u>	214 mm	224 mm	150 mm
ರ ೪	364 mm	374 mm	300 mm
RAIL 4	514 mm	524 mm	450 mm
页	664 mm	674 mm	600 mm
<u>_</u>	230 mm	230 mm	150 mm
의 2	380 mm	380 mm	300 mm
7.5	530 mm	530 mm	450 mm
2	680 mm	680 mm	600 mm
	STANDARD	CYCLONIC	RAIL IN
	CRS 'X'	CRS 'X'	WIDTH
		OIIO A	
7	90mm	76mm	150mm
N 02	90mm 240mm		150mm 300mm
3/50		76mm	
RAIL IN 3/50	240mm	76mm 226mm	300mm
N RAIL IN 3/50	240mm 390mm	76mm 226mm 376mm	300mm 450mm
LIN RAILIN 70 3/50	240mm 390mm 540mm	76mm 226mm 376mm 526mm	300mm 450mm 600mm
AAIL IN RAIL IN 4/70 3/50	240mm 390mm 540mm	76mm 226mm 376mm 526mm	300mm 450mm 600mm
RAIL IN RAIL IN 4/70 3/50	240mm 390mm 540mm 86mm 236mm	76mm 226mm 376mm 526mm 76mm 226mm	300mm 450mm 600mm 150mm 300mm
N RAIL IN RAIL IN 4/70 3/50	240mm 390mm 540mm 86mm 236mm 386mm	76mm 226mm 376mm 526mm 76mm 226mm 376mm	300mm 450mm 600mm 150mm 300mm 450mm
L IN RAIL IN RAIL IN 12 4/70 3/50	240mm 390mm 540mm 86mm 236mm 386mm 536mm	76mm 226mm 376mm 526mm 76mm 226mm 376mm 526mm	300mm 450mm 600mm 150mm 300mm 450mm
3AIL IN RAIL IN RAIL IN 5/112 4/70 3/50	240mm 390mm 540mm 86mm 236mm 386mm 536mm	76mm 226mm 376mm 526mm 76mm 226mm 376mm 526mm 770mm	300mm 450mm 600mm 150mm 300mm 450mm 600mm



# Stainless Steel Cable Ladder Hold Down Assembly



# 2/30 Hold Down Clamp Assembly



#### When Ordering

on Grading							
Range	Туре	Finish					
HDC	s	н					
HDC = Square Hold	S = Standard 3 mm Thick 11 mm Ø	H = Hot Dip Galv					
Down Clamp	C10 = Cyclonic 5 mm Thick 11 mm Ø C12 = Cyclonic 5 mm Thick 14 mm Ø BN10 = 40 mm Bolt, Nut & Washer M10 BN12 = 40 mm Bolt, Nut & Washer M12	S = 316 Stainless Steel					
ORDERING EXAMPLE SHOWN: Hold Down Clamp Standard 3 mm thick, 11 mm Ø Hot Dip Galvanised							

NOTE: Fastening lengths are based on fixing to a 8mm maximum thickness. For other supports we would require details when ordering to ensure correct fastener length.



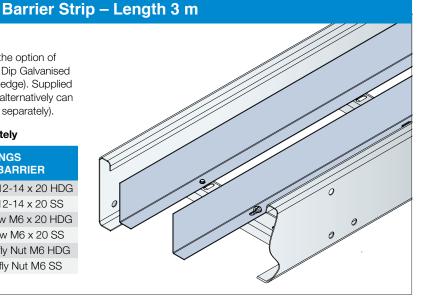
# Cable Ladder Barrier Strip & Earth Strap

#### **Barrier Strip**

Barrier Strip is supplied in 3 m lenghts with the option of 1.0 mm thick Galvabond, 1.6 mm thick Hot Dip Galvanised Steel and 0.6 mm Stainless Steel (with safe edge). Supplied with plain type flange for tek screw fixing or alternatively can be slotted for bolts and nuts (hardware sold separately).

#### **Barrier Fixings Sold Separately**

CODE	BARRIER FIXINGS 3 REQUIRED PER BARRIER
CSKH	Tek Galv – Tek Screw Hex 12-14 x 20 HDG
CSKS	Tek SS - Tek Screw Hex12-14 x 20 SS
PHS0620H	Bolt Galv - Pan Head Screw M6 x 20 HDG
PHS0620S	Bolt SS - Pan Head Screw M6 x 20 SS
K3016H	Nut Galv - Channel Butterfly Nut M6 HDG
K3016S	Nut SS - Channel Butterfly Nut M6 SS



#### When Ordering

Range	Туре	Material	Finish	Fastenings		
4-5C	ST	L	G	K		
2C = 2/30 65 mm High Side 3C = 3/50 100 mm High Side 4-5C = 4/70 130 mm High Side & 5/112 = 146 mm High Side	Ü	L = 0.6 mm Thick steel (N/A in Hot Dip Galv) M = 1.0 mm Thick Steel H = 1.6 mm Thick Steel	G = Galvabond H = Hot Dip Galvanised S = Stainless Steel A = Aluminium	K = Includes all required fixing screws and nuts		
ORDERING EXAMPLE SHOWN: 4/70 Barrier Slotted Flange Light Duty Galvabond complete with fastenings.						

