



Founded in 2005 by Directors Hayden Froggatt and John Almond, MSS Ltd is an innovative and forward thinking company, supplying and installing cable containment systems to the electrical and mechanical sectors.

Experience, sound product knowledge and practised efficiency means MSS can provide you with the best and most cost effective solution for your needs.

MSS is accredited under the ISO 9001 for quality management systems and ISO 18001 for safety management systems.

What we do

Cable Ladder/Cable Tray/Cable Basket/Metal Framing Systems/Solid Trunking and Skirting Duct Systems/Pipe Supports/Seismic Design and Supply/Installation/Bespoke Fabrication

Why MSS

We are specialists in:

Cable & Pipe Support System
Mechanical & Electrical Installations
Design/Engineering/Supply/Installation
Specialised Mechanical Installations
Skirting & Power Duct Interior Fitouts

Special Fabrication and Engineering

We can design, engineer, manufacture and install to your specifications providing you with quality products, on time and within budget.

General and Bespoke Fabrication

Our main focus is on light to medium steel fabrication, with an emphasis on small production runs and one-off high end bespoke works.

Our scope and skill set is broad due to a wide range of the latest technology available in-house including the latest in automated plant and equipment. We regularly update our capital equipment to ensure jobs are executed to the highest standard, on time and within budget. Our highly trained team of Designers, Fabricators and Welders pride themselves on delivering precision design and engineering in Aluminium, Steel and Stainless Steel.

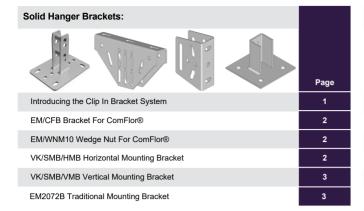








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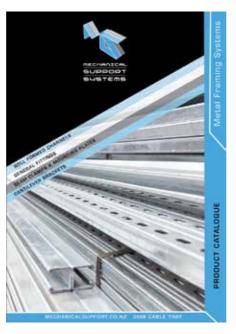
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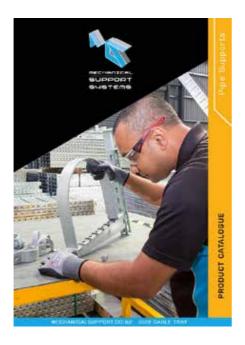
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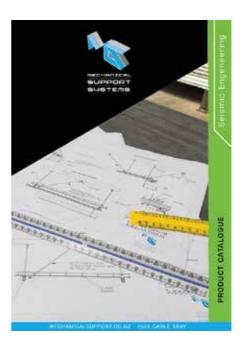
Product Catalogue Range











Download a catalogue www.mechanicalsupport.co.nz Get in touch with us 0508 CABLE TRAY or [09] 279-8292











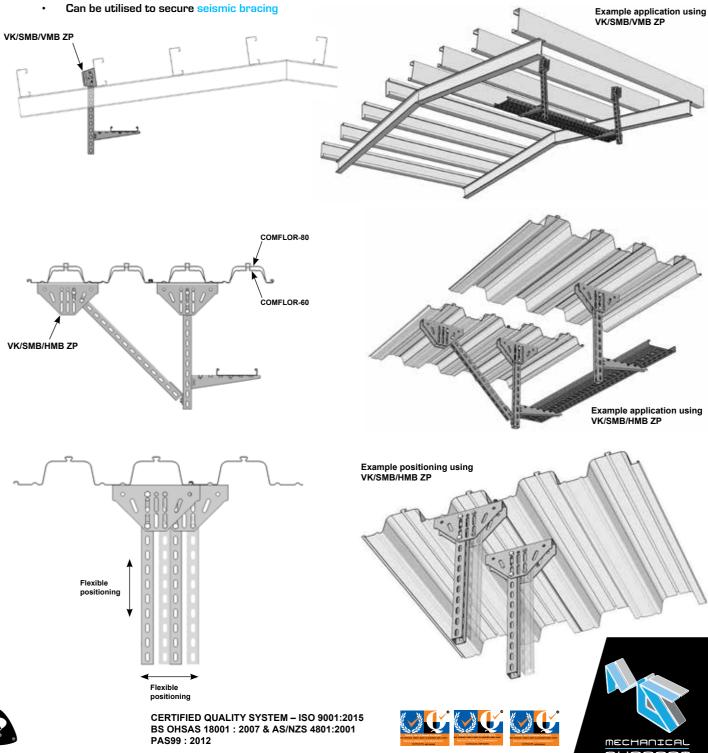


SOLID HANGER BRACKETS

Simple and Versatile Single Drop System

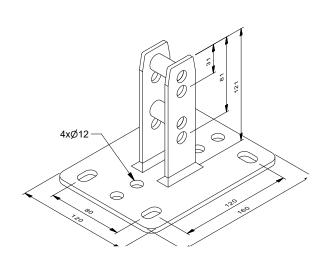
Solid Hanger Bracket System Advantages:

- Use with the CLB Clip In Bracket System (see next section for details)
- Single Central Dropper allows for easy installation and removal of cables
- · Hang from angled faces, such as purlins or sloping ceilings
- Span gaps in the ceiling face (such as Comflor® flooring/ceilings) with flexible hanging positions



SOLID HANGER BRACKETS

EM/CFB BRACKET for ComFlor®



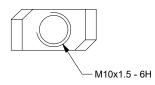


Standard Finish: Zinc Plated

Part Number:

EM/CFB Bracket ZP

EM/WNM10 Wedge Nut for ComFlor®









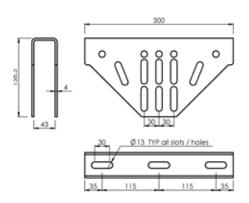
Standard Finish: Zinc Plated

Part Number:

EM/WNM 10 60 ZP

EM/WNM 10 80 ZP

VK/SMB/HMB Horizontal Mounting Bracket



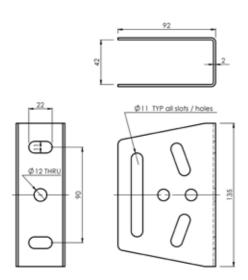
Standard Finish: Zinc Plated

Part Number:

VK/SMB/HMB ZP

See application examples on the previous page.

VK/SMB/VMB Vertical Mounting Bracket





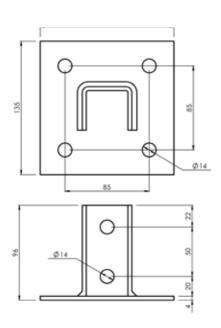
Standard Finish: Zinc Plated

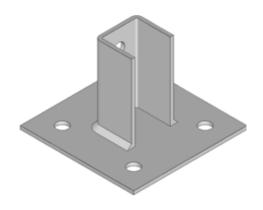
Part Number:

VK/SMB/VMB ZP

See application examples on the previous page.

EM2072B Traditional Mounting Bracket





Standard Finish: Hot Dip Galvanised

Part Number:

EM2072B



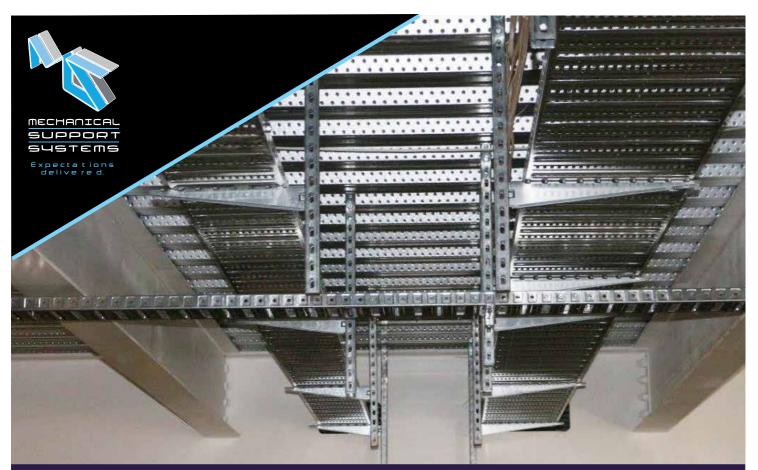












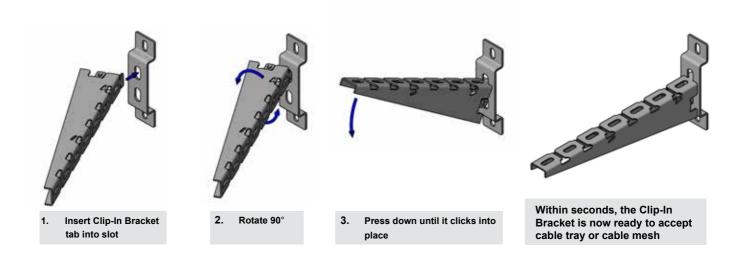
SOLID HANGER BRACKET AND CLB SYSTEM INSTALLATION BY MSS NEW ZEALAND INTERNATIONAL CONVENTION CENTRE 2017





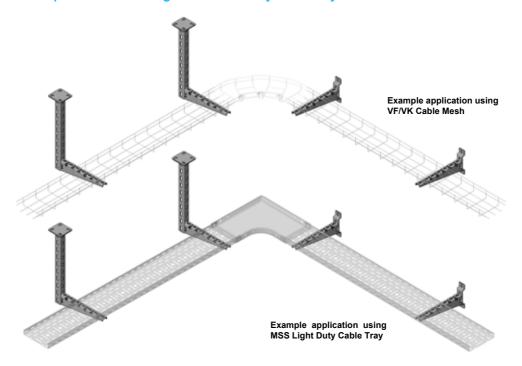
CLB CLIP IN BRACKET SYSTEM

Fast, Easy, Efficient



CLB System Advantages

- Labour Saving no nuts, bolts or cutting required, simply click to lock in place
- Side Loading in all applications for ease of cable installation & access
- Seismically Compliant in many applications (ask us about our seismic design & documentation options)
- Galvanised Finish suited for most internal and external applications
- No need for trapeze supports of multiple tiers
- Cable Mesh simply locks into place without the need for fasteners
- Compatible with MSS Light & Medium Duty Cable Tray and Cable Mesh





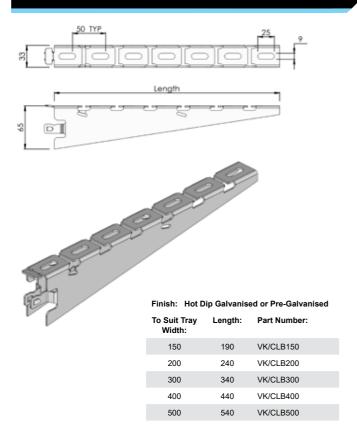




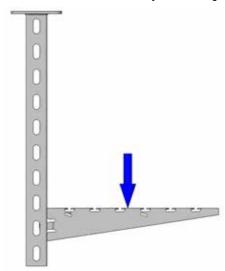




VK/CLB Clip-In Bracket



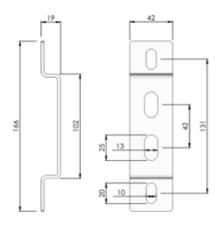
Load Capacity* of KBSI/CLB HDG Clip-In Bracket + KBSI/SMB3/1000 HDG Slotted 3-Way Channel Hanger



KBSI/CLB Size:	Load Capacity (kg):
190	190
240	120
340	85
440	60
540	40

*Load data is provided as a basic guide - for more specific load data please contact MSS

VK/CLB Bracket Rear Plate



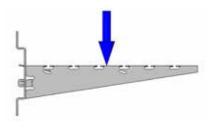


Finish: Hot Dip Galvanised or Pre-Galvanised

Part Number:

VK/CLB BRACKET REAR PLATE

Load Capacity* of KBSI/CLB HDG Clip-In Bracket + KBSI/CLB Bracket Rear Plate



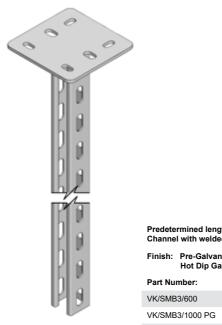
KBSI/CLB Size:	Load Capacity (kg):
190	190
240	160
340	125
440	90
540	70

*Load data is provided as a basic guide - for more specific load data please contact MSS

CERTIFIED QUALITY SYSTEM - ISO 9001:2015 BS OHSAS 18001 : 2007 & AS/NZS 4801:2001

PAS99: 2012

VK/SMB3 Slotted 3-Way Channel Hanger



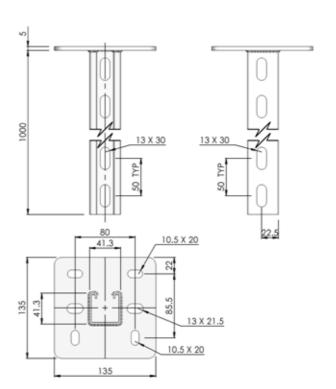
Predetermined length of EM1000T3 Channel with welded base plate

Finish: Pre-Galvanised 600,1000,1200

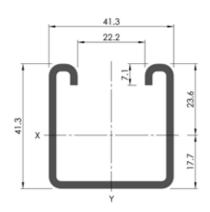
Hot Dip Galvanised 1200

VK/SMB3/1200 PG

VK/SMB3/1000 HDG



EM1000T3 3-Way slotted Channel



0000000

EM1000T

2.32kg/m Weight: Thickness: 2.5mm

Material: 250MPa (minimum yield stress) mild steel

Plain, Pre-Galvanised, Hot Dip Galvanised, Electro Powder Coated, 316 GR Stainless Steel (other finishes available on request) Finishes:











MSS TRAPEZE KIT COMPONENT BREAKDOWN

When quoting projects MSS can offer 'Trapeze Kits' for ease of pricing, each Trapeze Kit contains the required amount of EM2000 Channel plus the following accessories to construct one trapeze.

Note:Trapeze Kits are quoted using Internal Hold Down Washers (see Detail A) - External Hold Down Brackets can be supplied at an additional cost, please specify requirements when asking for a quote.

DETAIL A (x2)

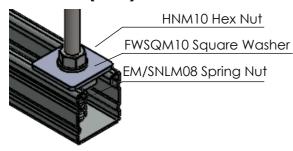
HHSSM08X20 Hex Head Screw

EMT/HDW Hold Down Washer

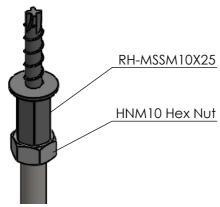
> EM/SNLM08 Spring Nut



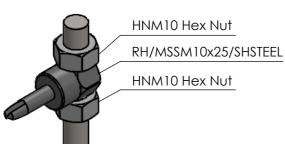
DETAIL B (x2)

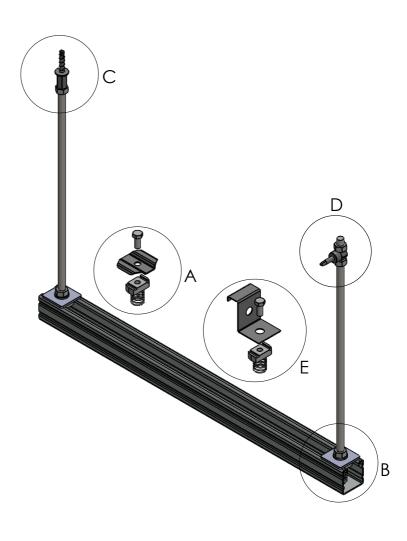


DETAIL C (x2) (Option 1)



DETAIL D (x 2) (Option 2)





DETAIL E (x 2) (available on request)



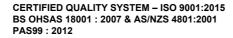
TRAPEZE SUPPORT SYSTEM

Traditional Hanging Materials

Trapeze System Advantages









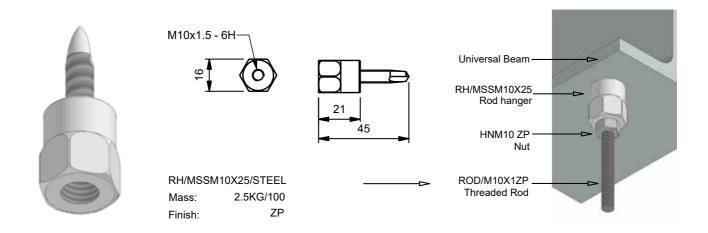




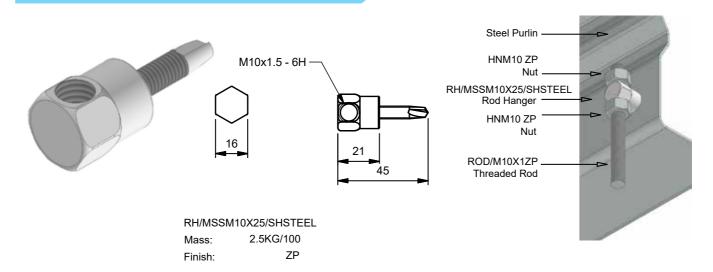


THREADED ROD HANGERS

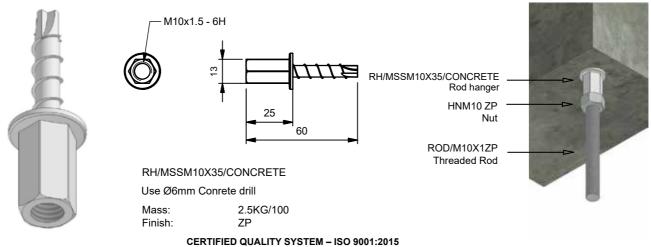
RH/MSSM10X25/STEEL Rod Hanger



RH/MSSM10X25/SHSTEEL Side Entry Rod Hanger



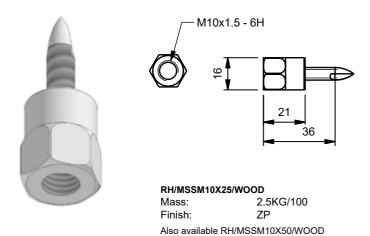
RH/MSSM10X35/CONCRETE Rod Hanger

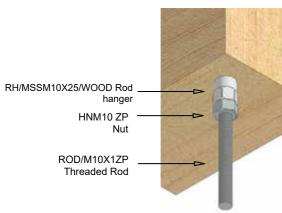


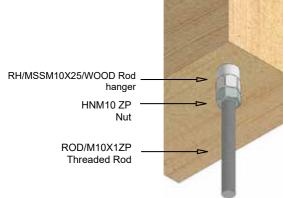
BS OHSAS 18001 : 2007 & AS/NZS 4801:2001

PAS99: 2012

RH/MSSM10X25/WOOD Rod Hanger













CERTIFIED QUALITY SYSTEM - ISO 9001:2015

Threaded Rod

Product Code:	Size:	Length:	Finish:
ROD/M06X1 ZP	M6	1 metre	Zinc Plated
ROD/M08X1 ZP	M8	1 metre	Zinc Plated
ROD/M10X1 ZP	M10	1 metre	Zinc Plated
ROD/M12X1 ZP	M12	1 metre	Zinc Plated
ROD/M16X1 ZP	M16	1 metre	Zinc Plated
ROD/M20X1 ZP	M20	1 metre	Zinc Plated
ROD/M10X1 HDG	M10	1 metre	Hot Dip Galv
ROD/M12X1 HDG	M12	1 metre	Hot Dip Galv
ROD/M16X1 HDG	M16	1 metre	Hot Dip Galv
ROD/M20X1 HDG	M20	1 metre	Hot Dip Galv
ROD/M06X2 ZP	M6	2 metre	Zinc Plated
ROD/M08X2 ZP	M8	2 metre	Zinc Plated
ROD/M10X2 ZP	M10	2 metre	Zinc Plated
ROD/M12X2 ZP	M12	2 metre	Zinc Plated
ROD/M16X2 ZP	M16	2 metre	Zinc Plated
ROD/M20X2 ZP	M20	2 metre	Zinc Plated
ROD/M08X2 HDG	M08	2 metre	Hot Dip Galv
ROD/M10X2 HDG	M10	2 metre	Hot Dip Galv
ROD/M12X2 HDG	M12	2 metre	Hot Dip Galv
ROD/M16X2 HDG	М	2 metre	Hot Dip Galv



Rod Accessories

Rod Connector



Diameter::	Product Code:	Finish:
M6	RODCONM06	ZP
M8	RODCONM08	ZP
M10	RODCONM10	ZP / HDG
M12	RODCONM12	ZP / HDG
M16	RODCONM16	ZP
M20	RODCONM20	ZP

Rod Cap



Diameter:	Product Code:
M10	Rod Cap Grey

Rod Stiffeners - Seismic



Diameter:	Product Code:	Finish:
M10	RODSTIFM	ZP

GENERAL FASTENERS

Bolts and Screws

Hex Head Set Screws



Diameter:	Product Code:	Lengths: (mm)	Finish:
M6	HHSSM06	20, 25, 30, 35, 40, 50	ZP
M8	HHSSM08	20, 25, 30, 35, 40, 60	ZP / HDG
M10	HHSSM10	20, 25, 30, 35, 40, 50, 60	ZP / HDG
M12	HHSSM12	20, 25, 30, 35, 40, 50	ZP / HDG
M16	HHSSM16	30, 35, 40, 50, 70, 80	ZP / HDG

Dyna Sets



Product Code:	Lengths: (mm)	Finish:
DIAM	6, 8, 10, 12, 16, 20	ZP

Gutter Bolts







Diameter:	Product Code:	Lengths: (mm)	Finish:
M6	GBM06	12, 16, 20, 25	ZP
M6	GBFM06	10	ZP

Coach Screws - Wood



Diameter:	Product Code:	Lengths: (mm)	Finish:
M8	CSM08	40, 50	HDG
M10	CSM10	40, 50, 100	HDG
M12	CSM12	40, 65, 100	HDG

Concrete Anchors

Seismic Stud Anchor for Concrete



Diameter:	Product Code:	Lengths (mm)	Finish:
M10	SEA M10	90, 100, 110	HDG
M12	SEA M12	115	ZP

Screw Anchor for Concrete



Diameter:	Product Code:	Lengths (mm)	Finish:
M10	SCA M10	75, 80	ZP
M8	SCA M08	55	S/S
M6	SCA M06	35	ZP

Sleeve Anchor



Diameter:	Product Code:	Lengths (mm)	Finish:
M6	SAM06	40, 55, 75	ZP / HDG
M8	SAM08	40, 65, 85	ZP / HDG
M10	SAM10	40, 50, 60, 75, 100	ZP / HDG
M12	SAM12	60, 75, 100	ZP / HDG
		CERTIFIED QUALITY SY	STEM - ISO 900

01:2015 BS OHSAS 18001 : 2007 & AS/NZS 4801:2001

PAS99: 2012



Nuts

Spring Nuts



Product Code: EM/SNL (size) (finish)

Diameter	Finish:
M6	ZP / HDG
M8	ZP / HDG / SS 316
M10	ZP / HDG / SS 316
M12	ZP / HDG / SS 316
M16	ZP

Kwik Nut



Product Code:	Diameter:	Finish:
EM/KWIKNUT	10	ZP

Hex Nuts



Product Code:	Sizes:	Finish:
HNM	6, 8, 10, 12, 16, 20, 24	ZP / HDG

Nylock Hex Nuts



Product Code:	Metric:	Finish:
HN/NYLOCKM	10	ZP

Flanged Hex Nuts



Product Code:	Metric:	Finish:
HNFM	6, 8, 10	ZP / HDG

Washers

Flat Washers



Product Code:	Sizes:	Finish:
FWSM	6, 8, 10, 12, 16	ZP / HDG

Spring Washers



Product Code:	Sizes:	Finish:
SWSM	6, 8, 10, 12, 16	ZP / HDG

Square Washer



Product Code:	Bolt Size:	Hole Size:	Thickness:	Finish:
FWSQM	10	12	3MM	HDG
FWSQM	12	14	3MM	HDG
EM1062	8	9	6MM	HDG
EM1063	10	12	6MM	HDG
EM1064	12	14	6MM	HDG
EM1964	16	18	6MM	HDG

Penny Washers



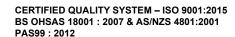
Product Code:	Sizes:	Finish:
PWSM	6, 8, 10	ZP

CANTILEVER BRACKETS AND MISCELLANEOUS SUPPORTS

Traditional Support Brackets







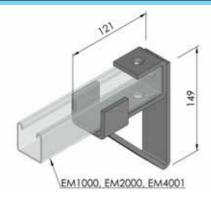






CANTILEVER BRACKETS - 41MM CHANNEL WIDTH SERIES

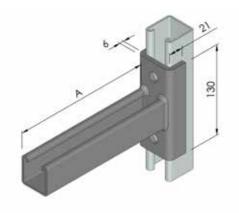
EMC1075-4



Design Load: 0.58kN* Mass: 103kg/100

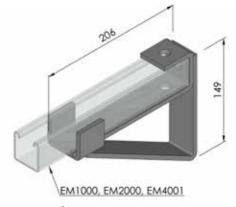
*Applies to fittings and not to strength of arm. Designe for use with nuts - do not use through bolts.

EMC2233 - 2234



EMC1075-8

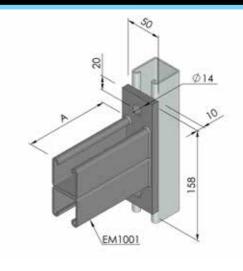
Design Lo



*Applies to fittings and not to strength of arm. Designe for use with nuts - do not use through bolts.

Part No:	Load kN:	Mass kg/100:	A:
EMC2233	3.14	189	457
EMC2234	1.97	232	610

EMC2542 - 2546



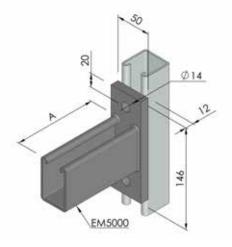
Part No:	Load kN:	Mass kg/100:	A:
EMC2542	7.57	228	305
EMC2543	5.22	314	460
EMC2544	3.98	400	610
EMC2545	3.21	487	760
EMC2546	2.67	574	915

General Data for Cantilever Brackets:

Standard finish HDG to AS/NZ4077 Galvanising requirements Safety factor on all brackets = 2.5 Manufactured to ISO 9001 Load values should be calculated using AS/NZS4600 Cold-Formed Steel Structures Code

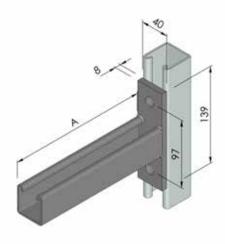
CANTILEVER BRACKETS - 41MM CHANNEL WIDTH SERIES

EMC5663-300 - 750



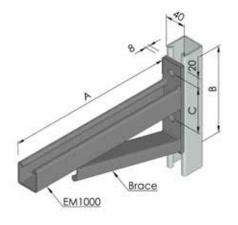
Part No:	Load kN:	A:	Mass kg/100:
EMC5663-300	6.93	300	173
EMC5663-450	4.78	450	224
EMC5663-600	3.62	600	276
EMC5663-750	2.91	750	327

EMC300 - 750



Part No:	Load kN:	A:	Mass kg/100:
EMC300	3.61	300	122
EMC450	2.11	450	161
EMC600	1.48	600	202
EMC750	1.14	750	245

EMCB300 - 750



Part No:	Load kN:	A:	B:	C:	Mass kg/100:
EMCB300	4.47	320	165	86	170
EMCB450	4.17	470	165	86	230
EMCB600	3.33	635	215	112	340
EMCB750	2.80	780	215	112	380

General Data for Cantilever Brackets:

Standard finish HDG to AS/NZ4077 Galvanising requirements Safety factor on all brackets = 2.5 Manufactured to ISO 9001 Load values should be calculated using AS/NZS4600 Cold-Formed Steel Structures Code





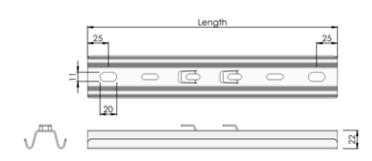




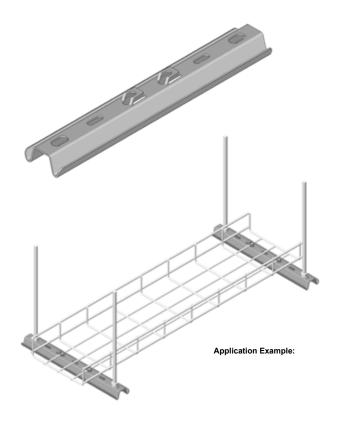


CABLE MESH HANGERS

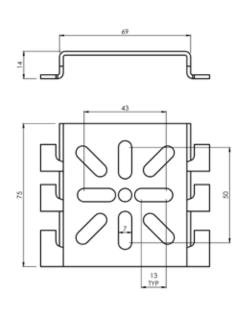
VK/SIS Snap-In Support Profile

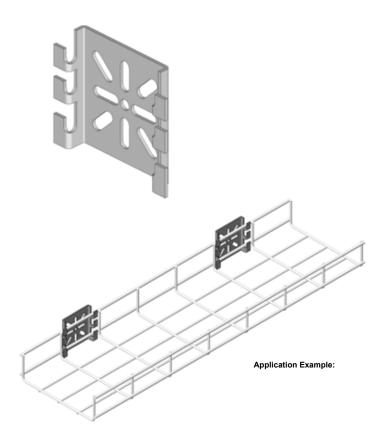


Length:	To suit Cable Mesh width when used as floor bracket:	To suit Cable Mesh width when hanging from threaded rod:	Max. Load (kg)	Part Number:
200	100	100	350	VK/SIS 200
300	150	150	250	VK/SIS 300
350	200	200	200	VK/SIS 350
450	300	300	150	VK/SIS 450
550	400	400	100	VK/SIS 550



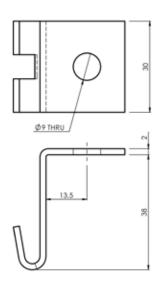
VK/VFMM Mounting Bracket

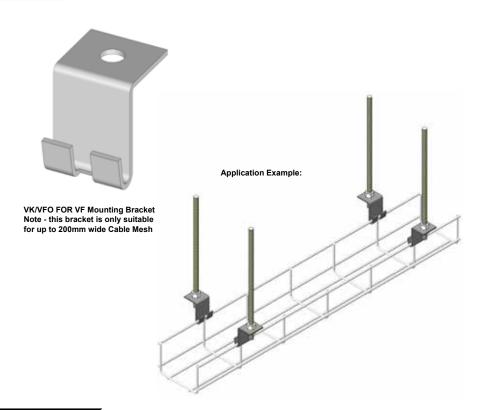




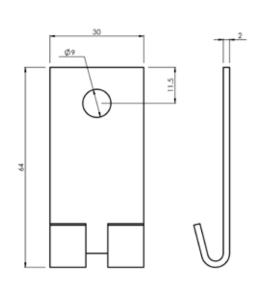
CABLE MESH HANGERS

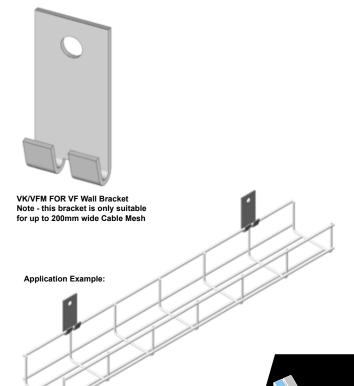
VK/VFO FOR VF Mounting Bracket





VK/VFM FOR VF Wall Bracket





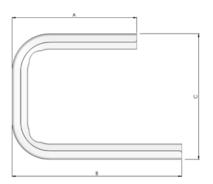


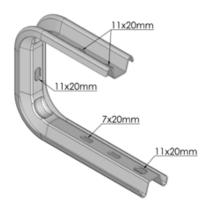


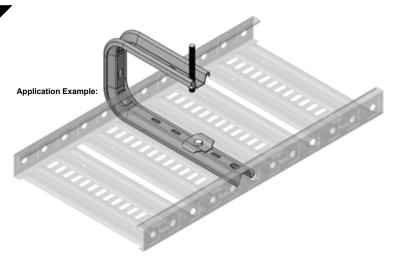




VK/THB PG Single Hanger Bracket







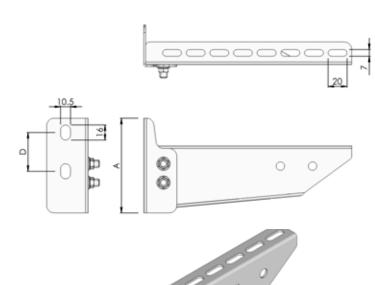
VK/THB Hanger Bracket shown clamped to Cable Tray using Hold Down Washer, suspended using Threaded Rod. The vertical section of the Hanger Bracket can be mounted to either side of the Cable Tray.

(Hold Down Washer and Threaded Rod not included)

Standard Finish: Pre-Galvanised

Width "A":	Width "B":	Height "C":	Part Number:	Suits Cable Tray Width:
147	182	170	VK/THB/150 PG	75, 100 & 150mm
172	232	170	VK/THB/200 PG	200mm
222	332	170	VK/THB/300 PG	300mm

VK/WHB PG Wall Mounted Hanger Bracket

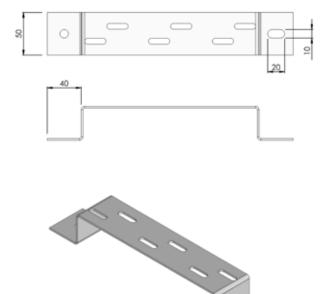


Finish:	Pre-Galvanised

Width:	Height A:	Distance D:	Maximum Load (kg):	Part Number:
75 or 100	99	40	110	VK/WHB100 PG
150	99	40	110	VK/WHB150 PG
200	99	40	120	VK/WHB200 PG
300	119	60	130	VK/WHB300 PG

GENERAL FASTENERS AND ACCESSORIES

VK/FS PG Wall and Floor Stand



Finish: Pre-Galvanised

Maximum Load: 200 kg

Width: Part Number:

75 or 100 VK/FS100 PG

150 VK/FS150 PG

200 VK/FS200 PG

300 VK/FS300 PG

Wire & Accessories

Product code:	Product Description:
BKW094	KWIK 2.3MM X 152M
EM1112	Seismic Wire Bracket
BKC100	Wire Clamps

















GENERAL FASTENERS AND ACCESSORIES

Fast Locking Clip



Product Code:	Locking clip use:	Finish:
KBSI/KBV	KBSI Tray & Accessories/Trunking	316 S/S

Flanged Bolt & Nut





Product Code:	Finish:
EMT/TB Bolt	ZP / HDG
EMT/TN Nut	ZP / HDG

Rod Cutting Tools



Part No:	Description:
EMTHRRODCUTTER	Threaded rod cutter
EMRODBLADEM06	Threaded rod cutter blade for M6 rod
EMRODBLADEM08	Threaded rod cutter blade for M8 rod
EMRODBLADEM10	Threaded rod cutter blade for M10 rod

VK/VF Wire Bolt Cutter



VK/VF WIRE BOLT CUTTER Powerbuilt 14" wire bolt cutters, recommended for cutting Cable Mesh

Cutting and Grinding Discs

Size:	Description:
115X1.0X22	CUT OFF WHEEL
115X6.0X22	80 GRIT FLAP DISC
125X1.0X22	CUT OFF WHEEL
125X6.0X22	80 GRIT FLAP DISC



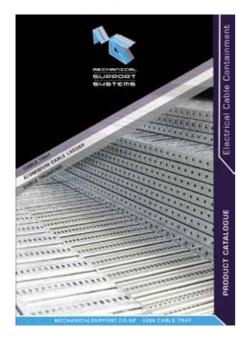
Coating Spray Can

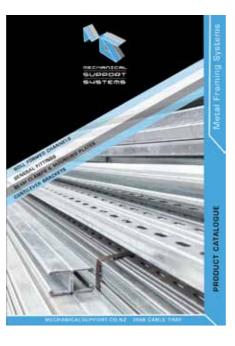
Description:

SPRAY - EPC COLOUR SPRAY - ZINC GALV

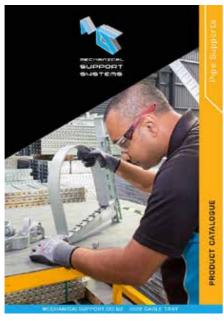


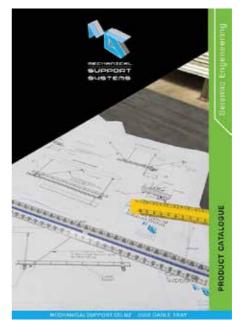
Product Catalogue Range











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