

# ProRack 19inch transit racks



Thirty years' experience has gone into the design and construction of Pro-Racks. Since the earliest days of We cases, Proracks have been the preferred choice of professional touring bands as an insurance against damage to delicate electronics equipment, caused through constant handling and transportation in trucks and aircraft holds. The last 10 years has shown a dramatic growth in the number of Pro-Racks used in other industries notorious for their rough handling and tough locations:

Stage and live event production  
Outside Broadcast  
Demonstration Internet systems  
Data-collection systems  
Telecoms testing  
Portable Production Units

- ❑ Ergonomic design
- ❑ Non-compromise choice of raw materials and component parts
- ❑ Proven, superior glue & pin "cabinet-style" construction
- ❑ Interior anti-vibration frame construction copyright
- ❑ Exceeds ATA300 (cat.1). Conforms to BS5954, DIN41, IEC297

## Anti-Vibration 19" Pro-Racks

Sizes: 4U to 30U in 2U steps (special 34U size also available)

- ❑ Lightweight pre-stressed steel suspended subframe, with punched burst holes for rigidity and weight saving
- ❑ 2mm zinc-plated steel is formed into a double "Z" mounting rail for adequate support very heavy equipment
- ❑ Open "floating" 19" frame allows for all-round air circulation
- ❑ Side stiffening plates are used on 16U and above



Picture shows Pro-Rack with side brace supports

- ❑ Heavy-duty internal anchor plates secure 8 tuned elastomeric anti-vibration mounts to the case body
- ❑ Each mount is focused towards the centre of weight/mass of the equipment, offering similar support characteristics regardless of case orientation
- ❑ Max. 44mm of sway space (frame float movement) depending on AVM choice and loading

Three hardness options	Dims in mm Dia. / Length	Shore hardness	Max. static load Load in compression / mm	Max. static load Load in shear / mm	Optimum attenuation for equipment loads between:
A	20 D / 30 L	45	tba	tba	30kg-70kg
B	30 D / 30 L	45	18 kg / 3.0mm	8.5 kg / 6.9mm	60kg-110 kg
C	30 D / 30 L	55	38 kg / 2.9mm	15 kg / 6.6mm	110kg-210 kg



## STANDARD DESIGN & BUILD SPECIFICATION

- ❑ 500mm and 700mm frame depths as standard
- ❑ 9mm top-grade Finnish birch plywood is bonded with a phenol resin adhesive, which is weather and boil-proof.  
Conforms to: BS6566 Pr 8 / type WBP, EN314-2 / 3<sup>rd</sup> class, DI N68705 Pt 3 / type BFU100, and SFS2415 / type EXT  
Size and right angle tolerance meets the standard SFS4093 and EN315 requirements.
- ❑ The standard ProRack finish is in non-reflective, abrasive-resistant black vulcanised fibre laminate, epoxy/heat/pressure-bonded to the birch ply. The vulcanised fibre used in Pro-Racks conforms to BS2768 and BS216, and is biodegradable
- ❑ Cabinet construction: glued and pinned prior to riveting on edging angle to further enhance strength
- ❑ Non-burr protective black fibre edging for easy handling
- ❑ Low-profile, self-pierce nickel-plated bifurcated (clench) rivets are used to secure the edging angle - for life-long service
- ❑ Heavy-duty, zinc-plated knuckle ball corners are secured with stainless steel rivets



- ❑ Picture left – option of flat profile corners (not ball)
- ❑ Dust-proof aluminium-extrusion male/female lid edging - gives a perfect fit
- ❑ Fully recessed sprung handles. Part No: 514P. Loading capacity: 800kg
- ❑ 8 x “Cam operated” butterfly catches secure slim-line lids to body
- ❑ Skids are fitted to the base of all Pro-Racks for lifting, stacking and storage

## Options:

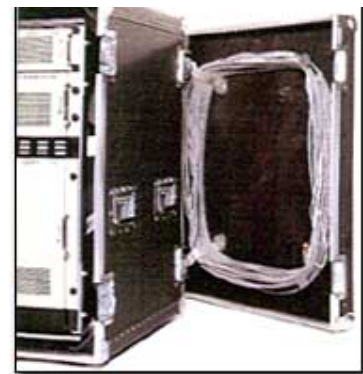
- Colour HPL (high pressure laminate) and HPVC finishes are available **as alternatives to our traditional black, non-reflective fibre laminate**. The price of a ProRack with a colour HPVC finish is the same as the black fibre finish. Please call our office for prices of special HPL finishes.

Optional HPL colours		Special HPVC semi-rigid PVC foil	
Others available on request	Part No.	Others available on request	Part No.
Black	6067	Light Blue	H6036
Royal Blue	6068	Royal Blue	H6044
Dark Green	6071	Signal Green	H6052
Mid Grey	6070	Red	H6041
Light Grey	6072	Burgundy	H6039
		Black	H6042



- Internal vertical cable trays
- Rear rack rails for patch bays and hard wiring
- Hook-in/hook-out rack side supports shelves (patented by CP Cases) are easily secured by 4 x 6mm steel screws
- Folding legs in lid (pull out to form table)
- Cable winding cleats on double lid racks only

- Fully recessed, sprung “eye” shackle for winch lifting  
Part No: 102. Max loading per shackle: 1000kg
- 100mm dia. detachable swivel castors can be positioned on the case body or rear lid.  
Part No: with brake - 130B / without brake -130  
Max loading per castor: 70kg
- Wheel Boards in 18mm ply, with 100mm castor wheels:  
2 x swivel castors / 2 x swivel braked castors
- Recessed castor dishes ‘locate’ wheels when stacking racks



- One pack of rack rail fixings is supplied for every 3-units rack height (as standard).  
Packs of extra rack rail fixings are available
 

Comprises:	12 x	M6 x 16mm pan head bolts
	12 x	M6 cage nuts
	12 x	M6 plastic cup finishing washers
- 19” storage drawers and other 19” housings available
- Silk screen-printing, engraved, etched or swing labels can be added for identification and/or to enhance your corporate identity.
- Also available: stencilling, bar coding, standard information/warning signs, customer supplied label if preferred.

□ Special designs – to your specification...



For **Sony UK** We have built an interlocking Pro-Rack edit suite, with a suspended 19" drawer to house a vision mixer.



One of the first studio quality Portable Production Units to be seen in the UK was designed and built by We Cases in 1993 for leading AV hire group, **Gearhouse**. The suit comprised interlocking mixing desks, 19" Pro-Racks and rackmounted monitors, and was used by their many broadcast and music clients, including **London Studios**.

**DERA** (Defence Engineering Research Agency) is currently using Pro-Racks, though their equipment content and application is confidential - as is the equipment housed in Pro-Racks used by the covert government department, **GCHQ** in Cheltenham, Gloucester.

Electronics engineers, **Feltech**, market their systems in 28U Pro-Racks, customised with foldout legs in one lid, which turn the lid into a table.

Music Equipment Hire Company, **Gearbox**, recently had their systems featured on **BBC Music Live**, housed in Pro-Racks. Both editing equipment and rack cases were given a high profile on stage in a televised marathon of 3 days continuous music, mixed live by **Trevor Nunn**.

We Cases have a long-term relationship with World-Wide-Web giants, **Cisco**. They use 33U Pro-Racks to house their demonstration equipment for presenting to their clients.

And, engineers **Prestigne** are currently working on a confidential automotive project – the systems are housed in Pro-Racks, also with folding out table legs.

Understanding our Part Numbering:

Product code	Suspended rack	Unit height	Frame depth cm	No. lids
PR	S	16	50	2

## ANTI-VIBRATION 19" PRO-RACKS

Units	Part No.	No. Lids	External (inc.lids) Depth	External (inc.lids) Depth	External Width	External Height	External Lid Depth	Lid Weight	Shipping Weight	Shipping Weight
4U	PRS04502	2	705		620	331	78	3.5 kg	28 kg	
4U	PRS04702	2		905	620	331	78			30kg
6U	PRS06502	2	705		620	420	78	4 kg	31.5 kg	
6U	PRS06702	2		905	620	420	78			34 kg
8U	PRS08502	2	705		620	509	78	4.5 kg	35 kg	
8U	PRS08702	2		905	620	509	78			38 kg
10U	PRS10502	2	705		620	598	78	5 kg	38.5 kg	
10U	PRS10702	2		905	620	598	78			42 kg
12U	PRS12502	2	705		620	687	78	5.5 kg	42 kg	
12U	PRS12702	2		905	620	687	78			46 kg
14U	PRS14502	2	705		620	775	78	6 kg	45.5 kg	
14U	PRS14702	2		905	620	775	78			50 kg
16U	PRS16502	2	705		620	864	78	6.5 kg	49 kg	
16U	PRS16702	2		905	620	864	78			54 kg
18U	PRS18502	2	705		620	953	78	7 kg	52.5 kg	
18U	PRS18702	2		905	620	953	78			58 kg
20U	PRS20502	2	705		620	1042	78	7.5 kg	56 kg	
20U	PRS20702	2		905	620	1042	78			62 kg
22U	PRS22502	2	705		620	1131	78	8 kg	59.5 kg	
22U	PRS22702	2		905	620	1131	78			66 kg
24U	PRS24502	2	705		620	1220	78	8.5 kg	63 kg	
24U	PRS24702	2		905	620	1220	78			70 kg
26U	PRS26502	2	705		620	1309	78	9 kg	66.5 kg	
26U	PRS26702	2		905	620	1309	78			74 kg
28U	PRS28502	2	705		620	1398	78	9.5 kg	70 kg	
28U	PRS28702	2		905	620	1398	78			78 kg
30U	PRS30502	2	705		620	1487	78	10 kg	73.5 kg	
30U	PRS30702	2		905	620	1487	78			82 kg
34U	PRS34502	2	705		620	1709	78		80.5 kg	
34U	PRS34702	2		905	620	1709	78			90 kg
PRSWB50	Wheel Board	To suite frame depths of 50 cm				154			9.5 kg	
PRSWB70	Wheel Board	To suite frame depths of 70 cm				154				10 kg
PS451505	Support shelf 500	Pair inc. fixings							0.7 kg	
PS451705	Support shelf 700	Pair inc. fixings								1.1 kg
423PRO	Spare Fixings	Pack of 12								

**Fixed 19" Racking Rail Pro-Racks also available**

sizes: 4U to 28U in 2U steps (special sizes available)

All specifications subject to change without prior notice

Delivery usually within 4-6 weeks from receipt of order

All specials subject to separate quotation

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