



ESL 290

## ENCLOSURE SYSTEMS 290 SERIES RACK CABINETS

The 290 Series is a competitively priced range of floor-standing 19 inch welded steel open-framed racks, available in two widths and three depths. Rack frames, sides and doors are all sold separately, giving maximum economy when some items are not required for an installation.

The rack frames are of fully welded construction for strength and stability, and are supplied complete with a vented roof cover (with cable entry at the rear), front and rear mounting-angles (with 'U' height markings), earth-continuity kit and 'shipping' castors. Side panels and doors should be ordered separately as required. The rack may be used free-standing or with optional castors, levelling feet or plinth.

The 19-inch rack mounting-angles are attached to front-to-back supports using fasteners through elongated holes, thus the angles can be moved to virtually any position in this plane. Clearance within the rack is sufficient for the majority of the 19-inch rack-mounting equipment available, particularly as the rear mounting-angles may be moved to accommodate rack slides as used on servers. The 800mm wide cabinets offer similar flexibility, and considerable space for bulk cabling. There are cable-management apertures in the reducing mounting-angles which bridge the gap between the width of the cabinet and the 19-inch mounting point.

### Accessories

The racks will accept most standard 19-inch accessories and fittings, and a range of matching accessories are also available.

#### Side Panels

Lockable side panels, priced and sold singly.

#### Glass Front Doors

Lockable, steel framed toughened safety glass doors, with quick-release hinges.

#### Steel Rear Doors

Lockable plain steel doors with quick-release hinges.

#### Cable Trays

Available in two widths, 100mm and 150mm, available for all cabinet heights. Priced and sold singly.

#### Fan Trays

Fit in the top of the rack, taking up no rack-mounting space. Trays are fitted with two or four low noise fans, and are supplied wired to a UK 13A plug. On 1000mm deep cabinets, 800mm deep fan trays are used in conjunction with two 100mm spacers for central placement, or one 200mm space for rear placement.

#### Base Covers

Close off the base of the rack. With cable entry port, supplied with removable plate which may be machined by the installer to take cable-glands.

#### Plinths

These space the rack off the floor by 100mm, allowing easy cable access into the base of the cabinet. Order one set of plinth corners per rack, and order one plain or vented infill for each side of each rack that must be filled. Height: 100mm.

#### Baying Kits

A set of four brackets that are used on the front to back cage nuts channels, so that a number of cabinets can be fixed together side by side to form a bayed suite. Each kit makes a junction between two racks.

#### Levelling Feet

Nylon feet on 70mm threaded steel studs, to screw in the base of cabinets. Thread: 10mm. Maximum loading per set of four: 300kg.

#### Heavy Duty Castors

Nylon castors, 50mm diameter, twin wheeled, fix to the base of the cabinet with four studs, fixings included. Maximum loading per set of four: 300kg.

#### Fixed Ventilated Shelves

Fix inside the rack mount angles, available 400mm, 600mm, 700mm or 800mm deep.

#### Modem Shelves

Mount on front mounting-angles of a rack. Available 2U or 4U high, 250mm and 400mm deep.

#### Sliding Shelves

Mount on front and rear mounting-angles.

#### Chassis Guides

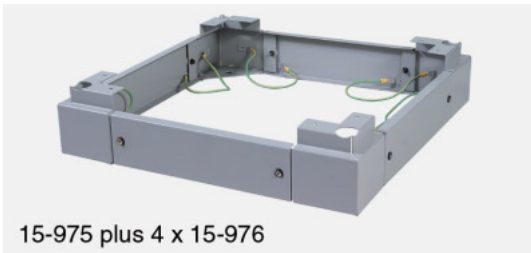
Fix inside the mounting-angles to support heavy equipment. Available in 400mm, 600mm, 700mm, 800mm and adjustable 590-830mm versions. Priced and sold in pairs.

### Dimensions:

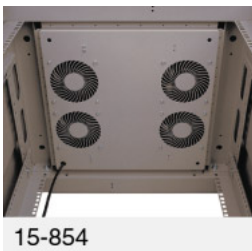
| Internal height (U) | Internal height (mm)   | External height (mm) with castors | External height (mm) without castors |
|---------------------|--|-----------------------------------|--------------------------------------|
| 27U                 | 1200   | 1411                              | 1366                                 |
| 37U                 | 1644   | 1855                              | 1810                                 |
| 42U                 | 1866   | 2077                              | 2032                                 |
| 45U                 | 2000   | 2211                              | 2165                                 |
| Fixing centres:     | 465mm, all models (standard 19 inch)   |                                   |                                      |
| Maximum depth:      | 560mm/760mm for 600mm/800mm cabinets   |                                   |                                      |
| Maximum loading:    | 270kg  |                                   |                                      |
| Finish:             | Light grey (RAL7035) powder coat.<br>Black (RAL9004) available to special order. |                                   |                                      |



15-971



15-975 plus 4 x 15-976



15-854



15-875



15-874



15-942

**Usage note:**

The shipping-castors must be removed before loading the rack with equipment, since they are not designed to take the weight of installed equipment.



15-943



15-948



15-895

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| 15-2101 | ESL 290 RACK CABINET 12U, 600 wide, 600 deep   |
| 15-2102 | ESL 290 RACK CABINET 18U, 600 wide, 600 deep   |
| 15-2103 | ESL 290 RACK CABINET 24U, 600 wide, 600 deep   |
| 15-2104 | ESL 290 RACK CABINET 27U, 600 wide, 600 deep   |
| 15-2105 | ESL 290 RACK CABINET 37U, 600 wide, 600 deep   |
| 15-2106 | ESL 290 RACK CABINET 42U, 600 wide, 600 deep   |
| 15-2107 | ESL 290 RACK CABINET 45U, 600 wide, 600 deep   |
| 15-2111 | ESL 290 RACK CABINET 12U, 600 wide, 800 deep   |
| 15-2112 | ESL 290 RACK CABINET 18U, 600 wide, 800 deep   |
| 15-2113 | ESL 290 RACK CABINET 24U, 600 wide, 800 deep   |
| 15-2114 | ESL 290 RACK CABINET 27U, 600 wide, 800 deep   |
| 15-2115 | ESL 290 RACK CABINET 37U, 600 wide, 800 deep   |
| 15-2116 | ESL 290 RACK CABINET 42U, 600 wide, 800 deep   |
| 15-2117 | ESL 290 RACK CABINET 45U, 600 wide, 800 deep   |
| 15-2126 | ESL 290 RACK CABINET 42U, 600 wide, 1000 deep  |
| 15-2127 | ESL 290 RACK CABINET 45U, 600 wide, 1000 deep  |
| 15-2134 | ESL 290 RACK CABINET 27U, 800 wide, 600 deep   |
| 15-2135 | ESL 290 RACK CABINET 37U, 800 wide, 600 deep   |
| 15-2136 | ESL 290 RACK CABINET 42U, 800 wide, 600 deep   |
| 15-2137 | ESL 290 RACK CABINET 45U, 800 wide, 600 deep   |
| 15-2144 | ESL 290 RACK CABINET 27U, 800 wide, 800 deep   |
| 15-2145 | ESL 290 RACK CABINET 37U, 800 wide, 800 deep   |
| 15-2146 | ESL 290 RACK CABINET 42U, 800 wide, 800 deep   |
| 15-2147 | ESL 290 RACK CABINET 45U, 800 wide, 800 deep   |
| 15-2156 | ESL 290 RACK CABINET 42U, 800 wide, 1000 deep  |
| 15-2157 | ESL 290 RACK CABINET 45U, 800 wide, 1000 deep  |
| 15-2161 | ESL 290 RACK CABINET SIDE PANEL 12U, 600 deep  |
| 15-2162 | ESL 290 RACK CABINET SIDE PANEL 18U, 600 deep  |
| 15-2163 | ESL 290 RACK CABINET SIDE PANEL 24U, 600 deep  |
| 15-2164 | ESL 290 RACK CABINET SIDE PANEL 27U, 600 deep  |
| 15-2165 | ESL 290 RACK CABINET SIDE PANEL 37U, 600 deep  |
| 15-2166 | ESL 290 RACK CABINET SIDE PANEL 42U, 600 deep  |
| 15-2167 | ESL 290 RACK CABINET SIDE PANEL 45U, 600 deep  |
| 15-2171 | ESL 290 RACK CABINET SIDE PANEL 12U, 800 deep  |
| 15-2172 | ESL 290 RACK CABINET SIDE PANEL 18U, 800 deep  |
| 15-2173 | ESL 290 RACK CABINET SIDE PANEL 24U, 800 deep  |
| 15-2174 | ESL 290 RACK CABINET SIDE PANEL 27U, 800 deep  |
| 15-2175 | ESL 290 RACK CABINET SIDE PANEL 37U, 800 deep  |
| 15-2176 | ESL 290 RACK CABINET SIDE PANEL 42U, 800 deep  |
| 15-2177 | ESL 290 RACK CABINET SIDE PANEL 45U, 800 deep  |
| 15-2186 | ESL 290 RACK CABINET SIDE PANEL 42U, 1000 deep |
| 15-2187 | ESL 290 RACK CABINET SIDE PANEL 45U, 1000 deep |
| 15-2201 | ESL 290 RACK CABINET GLASS DOOR 12U, 600 wide  |
| 15-2202 | ESL 290 RACK CABINET GLASS DOOR 18U, 600 wide  |
| 15-2203 | ESL 290 RACK CABINET GLASS DOOR 24U, 600 wide  |
| 15-2204 | ESL 290 RACK CABINET GLASS DOOR 27U, 600 wide  |
| 15-2205 | ESL 290 RACK CABINET GLASS DOOR 37U, 600 wide  |
| 15-2206 | ESL 290 RACK CABINET GLASS DOOR 42U, 600 wide  |
| 15-2207 | ESL 290 RACK CABINET GLASS DOOR 45U, 600 wide  |
| 15-2214 | ESL 290 RACK CABINET GLASS DOOR 27U, 800 wide  |
| 15-2215 | ESL 290 RACK CABINET GLASS DOOR 37U, 800 wide  |
| 15-2216 | ESL 290 RACK CABINET GLASS DOOR 42U, 800 wide  |
| 15-2217 | ESL 290 RACK CABINET GLASS DOOR 45U, 800 wide  |
| 15-2221 | ESL 290 RACK CABINET STEEL DOOR 12U, 600 wide  |
| 15-2222 | ESL 290 RACK CABINET STEEL DOOR 18U, 600 wide  |
| 15-2223 | ESL 290 RACK CABINET STEEL DOOR 24U, 600 wide  |
| 15-2224 | ESL 290 RACK CABINET STEEL DOOR 27U, 600 wide  |
| 15-2225 | ESL 290 RACK CABINET STEEL DOOR 37U, 600 wide  |
| 15-2226 | ESL 290 RACK CABINET STEEL DOOR 42U, 600 wide  |
| 15-2227 | ESL 290 RACK CABINET STEEL DOOR 45U, 600 wide  |



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| 15-2234 | ESL 290 RACK CABINET STEEL DOOR 27U, 800 wide        |
| 15-2235 | ESL 290 RACK CABINET STEEL DOOR 37U, 800 wide        |
| 15-2236 | ESL 290 RACK CABINET STEEL DOOR 42U, 800 wide        |
| 15-2237 | ESL 290 RACK CABINET STEEL DOOR 45U, 800 wide        |
| 15-921  | ESL CABLE TRAY 12U, 100mm                            |
| 15-922  | ESL CABLE TRAY 18U, 100mm                            |
| 15-923  | ESL CABLE TRAY 24U, 100mm                            |
| 15-924  | ESL CABLE TRAY 27U, 100mm                            |
| 15-925  | ESL CABLE TRAY 37U, 100mm                            |
| 15-926  | ESL CABLE TRAY 42U, 100mm                            |
| 15-927  | ESL CABLE TRAY 47U, 100mm                            |
| 15-931  | ESL CABLE TRAY 12U, 150mm                            |
| 15-932  | ESL CABLE TRAY 18U, 150mm                            |
| 15-933  | ESL CABLE TRAY 24U, 150mm                            |
| 15-934  | ESL CABLE TRAY 27U, 150mm                            |
| 15-935  | ESL CABLE TRAY 37U, 150mm                            |
| 15-936  | ESL CABLE TRAY 42U, 150mm                            |
| 15-937  | ESL CABLE TRAY 47U, 150mm                            |
| 15-853  | ESL 290/301 RACK FAN TRAY 600 wide, 600 deep, 2 fans |
| 15-854  | ESL 290/301 RACK FAN TRAY 600 wide, 600 deep, 4 fans |
| 15-855  | ESL 290/301 RACK FAN TRAY 800 wide, 600 deep, 2 fans |
| 15-856  | ESL 290/301 RACK FAN TRAY 800 wide, 600 deep, 4 fans |
| 15-857  | ESL 290/301 RACK FAN TRAY 600 wide, 800 deep, 2 fans |
| 15-858  | ESL 290/301 RACK FAN TRAY 600 wide, 800 deep, 4 fans |
| 15-859  | ESL 290/301 RACK FAN TRAY 800 wide, 800 deep, 2 fans |
| 15-860  | ESL 290/301 RACK FAN TRAY 800 wide, 800 deep, 4 fans |
| 15-888  | ESL FAN TRAY SPACER 600 wide, 100mm                  |
| 15-889  | ESL FAN TRAY SPACER 600 wide, 200mm                  |
| 15-896  | ESL FAN TRAY SPACER 800 wide, 100mm                  |
| 15-897  | ESL FAN TRAY SPACER 800 wide, 200mm                  |
| 15-971  | ESL BASE COVER 600 wide, 600 deep, grey              |
| 15-972  | ESL BASE COVER 600 wide, 800 deep, grey              |
| 15-973  | ESL BASE COVER 800 wide, 600 deep, grey              |
| 15-974  | ESL BASE COVER 800 wide, 800 deep, grey              |
| 15-975  | ESL PLINTH CORNERS Grey (set of 4)                   |
| 15-976  | ESL PLINTH INFILL 600mm, plain, grey                 |
| 15-977  | ESL PLINTH INFILL 600mm, vented, grey                |
| 15-980  | ESL PLINTH INFILL 800mm, plain, grey                 |
| 15-981  | ESL PLINTH INFILL 800mm, vented, grey                |
| 15-979  | ESL PLINTH INFILL 1000mm, plain, grey                |
| 15-876  | ESL 290/301 RACK BAYING KIT                          |
| 15-875  | ESL 290/301 RACK HEAVY DUTY CASTORS (pack of 4)      |
| 15-874  | ESL 290/301 RACK LEVELLING FEET (pack of 4)          |
| 15-941  | ESL 290/301 RACK VENTILATED SHELF 400 deep, grey     |
| 15-942  | ESL 290/301 RACK VENTILATED SHELF 600 deep, grey     |
| 15-944  | ESL 290/301 RACK VENTILATED SHELF 700 deep, grey     |
| 15-945  | ESL 290/301 RACK VENTILATED SHELF 800 deep, grey     |
| 15-943  | ESL MODEM SHELF 2U, 250 deep, grey                   |
| 15-946  | ESL MODEM SHELF 4U, 400 deep, grey                   |
| 15-947  | ESL 280/290/301 RACK SLIDING SHELF 400 deep, grey    |
| 15-948  | ESL 280/290/301 RACK SLIDING SHELF 600 deep, grey    |
| 15-883  | ESL CHASSIS GUIDES 400 deep (pair)                   |
| 15-884  | ESL CHASSIS GUIDES 600 deep (pair)                   |
| 15-893  | ESL CHASSIS GUIDES 700 deep (pair)                   |
| 15-894  | ESL CHASSIS GUIDES 800 deep (pair)                   |
| 15-895  | ESL CHASSIS GUIDES 590-830 deep (pair)               |