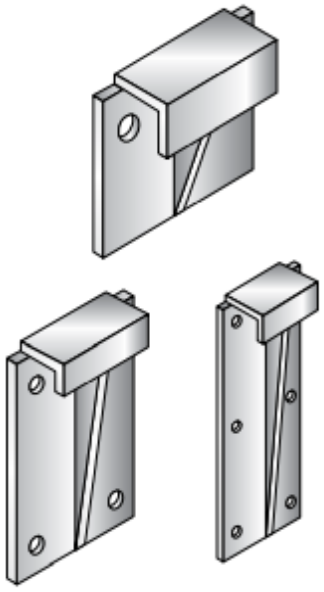
Falsework Support Bracket

AR Falsework Support Brackets are used with 32 mm (1¼") AR Screw Anchors and Bolts to support pier cap forms. The use of Falsework Support Bracket eliminates posting or scaffolding which can be expensive and time consuming to erect. Brackets can be manufactured with 2, 4 or 6 holes.

Falsework Support Bracket	Safe Working Load kN (lbs)	Required Screw Anchors
2 hole	89 kN (20,000 lbs)	two 32 mm (1¼") diameter
4 hole	178 kN (40,000 lbs)	four 32 mm (1¼") diameter
6 hole	267 kN (60,000 lbs)	six 32 mm (1¼") diameter

APPROXIMATE SAFE WORKING LOAD
3:1 Safety Factor



To order, please specify the following information

EXAMPLE
Name ..... Falsework Support Bracket
Number of Holes 4
Quantity 200

Determining total load

To determine the total load to be supported by each falsework bracket, compute the total mass (weight of concrete) plus the liveload (weight of form and other temporary loads) and divide by the number of brackets to be used.

Example:
The dimension of a concrete beam to be poured over two columns and supported by 4 brackets is as follows:

750 mm wide x 1200 mm high x 18500 mm long (30" wide x 48" high x 740" long)

Density of concrete assumed		= 2,400 kg/m3	(150 lb/ft^3)
Live load or mass per unit area assumed		= 365 kg/m2	(75 lb/ft^2)
Mass of beam .75 m x 1.2 m x 18.5 m x 2400		= 39,900 kg	(18,100 lbs)
Mass of live load .75 m x 18.5 m x 365		= 5,065 kg	(2,300 lbs)
		44,964 kg	(20,400 lbs)
Force exerted by mass	= 44,964 x .00981	= 441.10 kN	(99,100 lbs)
Force per bracket:	$\frac{441.10}{4}$	= 110.28 kN	(24,800 lbs)

Therefore use 4 hole bracket with four 32 mm (1¼") diameter Screw Anchors.

NOTE: 1 kilogram = .00981 kiloNewtons