

# MuscleStart Socket Bar

Full bar strength joints for precast concrete panels and floors

## System Benefits

- Full bar strength
- Slip-free connection
- Standard metric threads

Swaged socket accepts metric bolts, standard studding and BT-threaded continuation bars

MuscleStart Socket Bars are manufactured by a patented swaging process which locks the seamless threaded ferrule onto the bar. The system was originally developed by our sister company, HALFEN, for the European construction market where the product holds independent certification. It has a proven track record in a wide range of applications.

MuscleStart bars meet the requirements of AS4671 N500. The socket steel has a minimum ductility of 20% and exceeds the bar strength.

Socket Bars are the perfect partner for standard metric bolt fixings or Ancon BT parallel-threaded continuation bars.

Product Reference Standard Socket Bars	Bar	Socket Thread	Overall Length* mm	Yield Strength AS4671** kN	Minimum Ultimate AS4671 $R_m/R_e=1.08^*$ kN	Yield Strength Ratio $R_e\text{-socket}/R_e\text{-bar}$	Ultimate Strength Ratio $R_m\text{-socket}/R_m\text{-bar}$
FECB16/12400	N12	M16	400	56.5	61.02	1.3	1.64
FECB20/16500	N16	M20	500	100.5	108.54	1.15	1.4

\* Exceeds AS3600:2009 Cl. 13.1.2.2  $L_{sy.tb} \geq 29d_b$

\*\* Refer: AS4671 class N

A full range of Ancon MuscleStart Socket Bars are available on request for sizes N12 (M16), N16 (M20), N20 (M24), N25 (M30), N32 (M42).

## MuscleStart Socket Bars provide a strong, reliable connection over the life of a structure

Available from Unicon Systems, a division of Ancon Building Products which offers a comprehensive product portfolio for the precast concrete Industry

Ancon is the exclusive distributor of Halfen products in Australia and New Zealand.

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MuscleStart. Strong Performance.