



- High performance anchoring system for fixing rebar and studding
- Rawl branded capsule contains epoxy acrylate resin, quartz granules and hardener
- No expansion forces so suitable for close edge and spacing distances
- Hardener mixed with resin when stud is hammered in

Product Data

The Rawl R-HAC capsule range is a simple and rapid method of fixing either threaded studs or rebar into **solid** concrete or stone. The stud is simply hammered through the capsule using a hammer or mechanical drill. In applications where deeper embedment is required two capsules can be used eg. when a higher loading is necessary or where the surface concrete is of poor quality. For performance data on double embedment capsules contact the technical advisory service. The hardener is situated at the head of the capsule and is mixed with the resin as the stud or rebar is hammered in. Studs and rebar

should be square cut (not chisel pointed) to ensure thorough mixing of resin and hardener during installation. R-HAC is not suitable for overhead applications. Consider R-CAS capsules, R-KF2 or R-KEM pump in resin.

Typical Applications:

Rebar
Starter Bars
Structural Steelwork

Stud Applications

CAPSULE/STUD DIAMETER (mm)	HOLE DIAMETER IN CONCRETE (mm)	HOLE DIAMETER IN FIXTURE (mm)	HOLE DEPTH (mm)	RECOMMENDED TORQUE (Nm)	CAPSULE PRODUCT CODE
	(d_p)	(d_f)	(h_p)	(T_{Inst})	
R-HAC 8/M8	10	9	80	6	60-600
R-HAC 10/M10	12	11	100	12	60-601
R-HAC 12/M12	14	13	120	20	60-602
R-HAC 16/M16	18	17	160	45	60-603
R-HAC 20/M20	25	22	200	100	60-604
R-HAC 24/M24	28	26	240	150	60-605
R-HAC 30/M30	35	32	300	300	60-606

Threaded studs are made to order. For range of installation equipment see Accessories page.

Rebar Applications

CAPSULE TYPE	REBAR NOMINAL DIAMETER (mm)	ACTUAL DIAMETER (mm)	HOLE DIAMETER IN CONCRETE (mm)	HOLE DEPTH (mm)	NUMBER OF CAPSULES	HOLE DEPTH (mm)	NUMBER OF CAPSULES	CAPSULE PRODUCT CODE
	(d)	(d_{act})	(d_p)	(h_p)		(h_p)		
R-HAC 10	10	11.5	13	100	1	200	2	60-601
R-HAC 12	12	13.9	15	120	1	240	2	60-602
R-HAC 16	16	18.7	20	160	1	320	2	60-603
R-HAC 20	20	23.4	25	200	1	400	2	60-604
R-HAC 24	25	29.2	30	250	1	500	2	60-605
R-HAC 30	32	37.4	38	320	1	640	2	60-606

R-HAC Curing Times

TEMPERATURE (°C)	20+	11-20	1-10	-5-0
CURE TIME DRY	1 hour	2 hours	5 hours	10 hours
CURE TIME WET	2 hours	4 hours	10 hours	20 hours