



- The R-CAS capsule contains measured amounts of epoxy acrylate resin, quartz granules and a phial of hardener
- The capsule and phial are broken and mixed in the hole by the action of driving the stud in with a drilling machine
- High performance anchoring system for fixing threaded studs or sockets into solid structures
- No expansion force so suitable for close edge & spacing distances
- Can be used overhead with care

### Product Data

The Rawl R-CAS (Kemfix) is a high performance resin bonded anchor system that is used for safety critical, structural applications. It relies on the adhesion of the resin to the concrete and stud therefore providing an expansion free anchorage. It can be used with studs or sockets in a wide range of **solid** base materials including stone, masonry, and concrete. To ensure full penetration, rotary hammer machines are recommended. The adhesive strength of the resin is unaffected by installation in unpolluted water. When installed into wet holes setting time will be longer. Boxes of M8 to M16 studs contain a socket driver system suitable for standard drill chucks. An adaptor is available to enable these sizes to be installed with an SDS drilling machine. M20, M24 and M30 sizes require a separate driving system available as an accessory. R-CAS (Kemfix) can be used overhead with care.

### Available in:

Zinc Plated Steel  
Stainless Steel A2

### Typical Applications:

Safety Fencing  
Barriers  
Structural Steel  
Machinery

Masonry Support  
Cladding Restraint  
Curtain Walling  
Security Grilles

### Approvals:

SWEDEN - STAC



673785

FRANCE - SOCOPEC



DX1435



## R-CAS Kemfix Studs (also suitable for all cartridge resin systems)

STUD THREAD SIZE (mm) (d)	STUD OVERALL LENGTH (mm) (l)		CAPSULE LENGTH (mm)	WASHER DIAMETER (mm) (w)	MAXIMUM FIXTURE THICKNESS (mm) (T <sub>fix</sub> )		HOLE DIAMETER IN CONCRETE (mm) (d <sub>o</sub> )	HOLE DIAMETER IN FIXTURE (mm) (d <sub>p</sub> )	HOLE DEPTH IN CONCRETE (mm) (b <sub>o</sub> )	RECOMMENDED TORQUE (Nm) (T <sub>inst</sub> )		STUD PRODUCT CODES		CAPSULE CODE
	REP	ST. ST.			REP	ST. ST.				IN CONCRETE	IN BRICKWORK	ZINC PLATED	STAINLESS STEEL GRADE 303 A2	
M8		110	80	17	17		10	9	80	11	6	60-708	60-906	60-428
M10		130	80	21	28		12	11	90	22	13	60-710	60-911	60-430
M12		160	95	24	36		14	13	110	38	21	60-712	60-916	60-432
M16		190	95	30	42		18	17	125	95	30	60-716	60-921	60-436
M20	260	240	120	37	90	70	25	22	145	150	*	60-720	60-926	60-440
M20 Long	260	240	175	37	65	45	25	22	170	150	*	60-720	60-926	60-442
M24		295	170	44	85		28	26	180	200	*	60-724	60-931	60-444
M24 Long		295	210	44	55		28	26	210	200	*	60-724	60-931	60-446
M30		380	265	57	65		35	33	280	320	*	60-726	60-932	60-450

\* Studs over 16mm in diameter are not recommended in Brickwork.  
For range of internally threaded sockets & installation equipment see accessories page.

## R-CAS Kemfix Curing Times

TEMPERATURE (°C)	20+	11-20	6-10	1-5	-5-0
CURE TIME DRY	30 mins	1 hour	3 hours	6 hours	15 hours
CURE TIME WET	1 hour	2 hours	6 hours	12 hours	30 hours