



APPLICATION:

- Bore a hole by drilling to correct depth and diameter as recommended
- Clean the hole thoroughly with compressed air and/or water
- Insert appropriate number of capsules one by one to the end of the hole
- Attach bolt to rotary machine by means of a spinning adapter and commence rotating/torque progressively, through capsules until the end of the hole is reached. Detach drill from spinning adapter (Recommended speed of the rotation 150-250 r.p.m.)
- Leave bolt undisturbed until resin has cured
- Remove adapter.
- After 24 hours, tighten the rock bolts finally & grout the hole.

GUIDELINES :

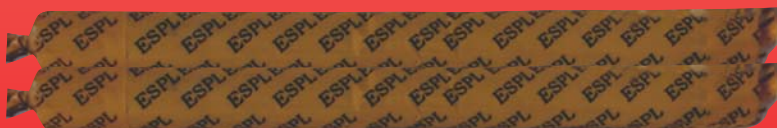
Table A

Ultra high strength Granite Rocks compressive strength 100 kg/cm ²		High strength Lime stone (calcaerious) compressive strength 500 kg/cm ²		Medium strength sand stone (Quartzite) compressive strength 150 kg/cm ²		Moderately weak strength Mudstone/ unconfined compressive strength 75 kg/cm ²	
Anchorage Length (mm)	Average Load (MT)	Anchorage Length (mm)	Average Load (MT)	Anchorage Length (mm)	Average Load (MT)	Anchorage Length (mm)	Average Length (MT)
230	9	290	8	400	4.5	640	4.5
270	11.5	360	12	500	9.0	700	6.5
300	17.3	450	18	635	12.0	760	8.5
350	20.0	500	23	765	18.0	890	10.5
				890	23.0	1000	13.5

Table B given below demonstrates 'Setbolt R' Resin capsule usage chart (site trial data basis)

Table B

Hole diameter (in mm)	25	32	35	38	41	38	41	45
Capsule diameter (in mm)	23	29	32	32	32	35	35	40
Bolt diameter (in mm)	Anchorage Length using Single Capsule (in mm) of Set Fix							
19	380	330						
22		400	350			315		
25		565	440		315	390	290	300
29					400	490	350	340
30						390	465	425
35								570



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