



GSE Stone Anchor system



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Italian products

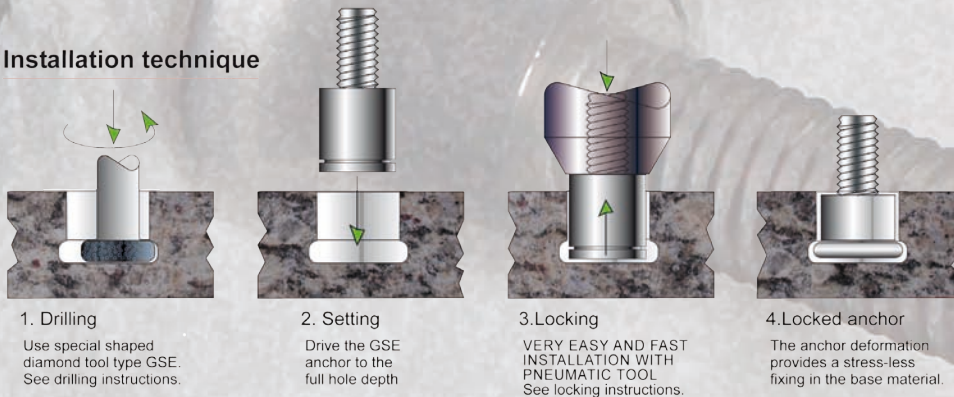
GSE is a new special anchoring system for stone cladding.

It allows an undercut hole fixing on the back of the stone slabs with very high safety factors against pull-out failure. The main features of the GSE fixings are:

- **NO INTERNAL STRESSES IN THE BASE MATERIAL (STRESS-LESS ANCHOR), THEREFORE IT ALLOWS HIGH SAFETY FACTORS OF THE FIXINGS.**
- **VERY EASY AND FAST INSTALLATION IN THE JOBSITE.**
- **RECOMMENDED FOR SAFE FIXING UNDER HEAVY LOADS, SPECIALLY FOR THIN MATERIAL THICKNESS.**
- **RECOMMENDED FOR SAFE FIXING OF LIMESTONE AND SANDSTONE**
- **FAST AND EFFECTIVE FOR ASSEMBLING WITHOUT USE OF ADHESIVES**



Installation technique



GSE anchor - Strength ⁽¹⁾

Type	GSE type	stone thickness mm	pull-out strength P (kN)	shear strength V (kN)
Cottostone® agglomerate	M6X6	13	2.0	N.A
Ceramic tile	M6X6	12	1.5	N.A
Impala Black granite	M6X6 M8X15	20 30	5.0 11.8	N.A 16.0
Wite Carrara barble	M8X15	30	4.2	N.A
Lasa Wite marble	M8X15	30	5.0	N.A
Tarn Grey granite	M8X15	30	4.5	N.A
Texas Pink granite	M8X15	30	5.3	N.A
Capao Bonito granite	M8X15	35	8.4	N.A
Tyndall limestone	M8X15	40	4.5	N.A
Este Cream travertine	M8X15	35	5.5	15.1
Moca Cream limestone	M8X15 M8X21	40 40	4.0 8.1	N.A N.A
Grey Quarzite	M8X15	30	11.5	N.A
Pietra di Vicenza limestone	M8X21	50	7.4	N.A
Botticino limestone	M8X21	100	14.0	N.A
Light Roman travertine	M8X21	40	9.7	17.4

(1) Average strength according to ASTM C1354. Values are only indicative.

GSE anchor - Dimensions

Type	MD bolt thread	d hole diameter (mm)	h groove diameter (mm)	drilling depth (mm)	t max. fixing thickness (mm)	L threaded length (mm)	s min. material thickness (mm)	Material	
								1 - Stainless Steel AISI 304 (A2)	2 - Stainless Steel AISI 316 (A4)
GSE M6x6	M6	12	16	9	10	21	12		
GSE M8x15	M8	14	18	19	12	22	25		
GSE M8x21	M8	14	18	25	12	22	30		

For hole dimensions and tolerances see Drilling Data Sheet

