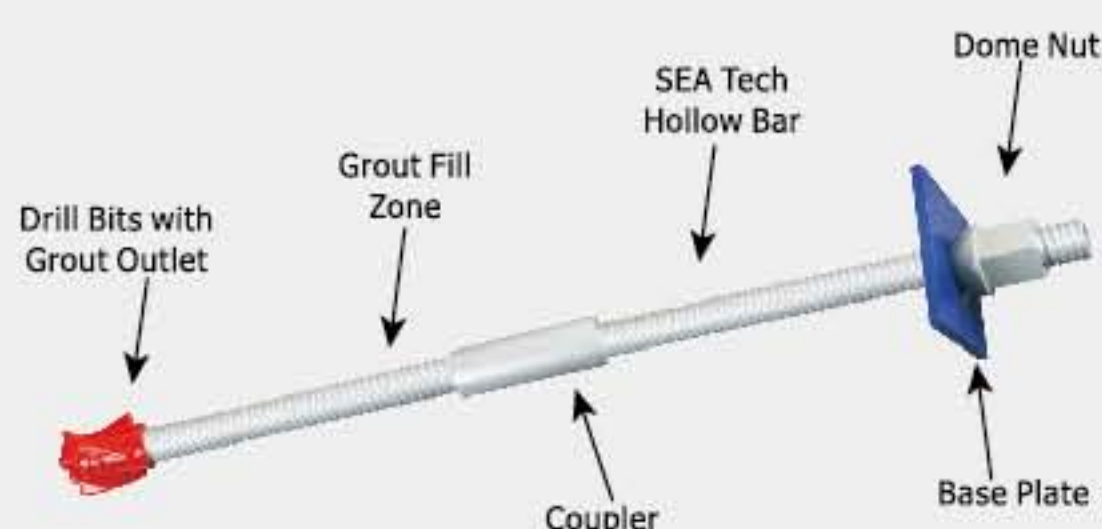


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SEA Rock Anchors / Soil Nails

SEA hollow threaded bar Rock Anchors / Soil Nails provide the ultimate solution for securing unstable embankments and rocky slopes. The SEA system ensures a fast and efficient method of application with a superior strength and rigidity that we believe is the best available.



To provide additional flexibility for designers and specifiers, the SEA Rock Anchor / Soil Nail is available in three strengths. SEA 480, 680 and Heavy Duty Series offers construction based designers and contractors a comprehensive range of soil nails produced to the high standards of Lloyds UKAS ISO9001 and further endorsed by C.E. Mark approvals.

SEA 480 - is a mid-range product, manufactured from a high yield material. Suitable for most soil nailing applications, the material is also suitable for welding (Welding recommendations advised by SEA) or the joining of sub-assemblies.

SEA 680 - offers a superior yield soil nail product that is suitable for high strength applications in difficult or hard, rocky soil conditions.

SEA Heavy Duty - Offering the highest yield in the range for applications requiring the greatest strength available in extreme conditions.

Product Description	Units	480 Series				680 Series				Heavy Duty			
		SN25	SN32	SN38	SN51	SN25	SN32	SN38	SN51	SN25	SN32	SN38	SN51
Nominal outside diam.	mm	25	32	38	51	25	32	38	51	25	32	38	51
Nominal inside diam.	mm	17	24	27	38	17	24	27	38	15	22	25	35
Cross section average area	mm	267	358	582	901	267	358	582	901	304	467	640	1036
Ultimate load	kN	168	225	370	565	215	285	500	730	245	375	560	840
Yield	KN	128	170	280	430	180	245	395	585	205	315	435	675
Ultimate tensile	N/mm	630	630	640	630	810	800	875	810	810	800	875	810
Yield stress 0.2	N/mm	480	480	480	480	680	680	680	650	680	680	680	650
Weight	kg/m	2.08	2.79	4.54	7.03	2.08	2.79	4.54	7.03	2.37	3.64	4.99	8.08
Thread	-	Left (Right on request)				Left (Right on request)				Left (Right on request)			
Lengths	m	3/6 ⁿ	3/6 ⁿ	3/6 ⁿ	3/6 ⁿ	3/6 ^a	3/6 ^a	3/6 ^a	3/6 ^a	3/6 ⁿ	3/6 ⁿ	3/6 ⁿ	3/6 ⁿ

Design and usage of the products should be in accordance with the appropriate safe practices and applicable codes and regulations.



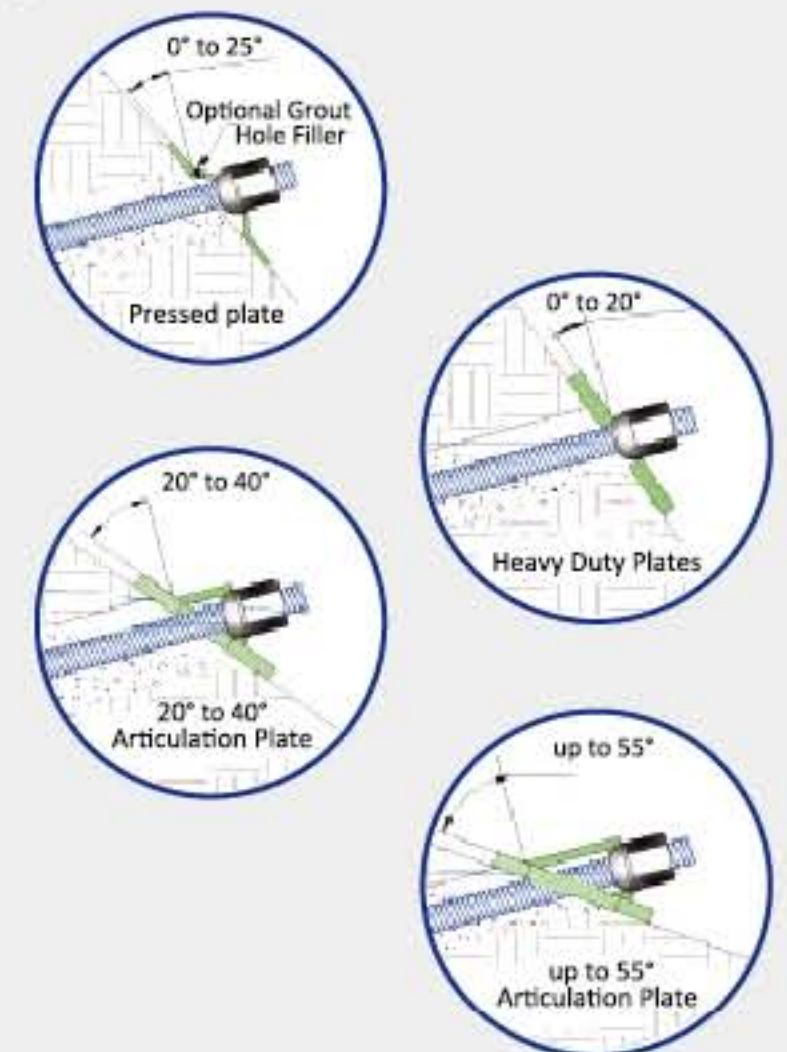
SEA Soil Nail Drill Bits and Accessories

SEA offer a comprehensive range of Drill Bits and accessories for all ground conditions

	SEA- Mole : This displacement bit can help prevent the expensive removal of waste material from projects such as highway developments, tunnels and toxic sites. The square design reduces skin friction to enable faster installation, saving time and money. Designed for use in soft ground conditions.	Bit Size mm	Bar Size mm	Adapter Bit / Bar
		65	25	NA
		90	32	90/25
		110	38	110/32/25
	SEA Tri-Spiral : This new multi-purpose drill bit has hardened spiral blades specifically designed to give better waste removal and superior grout mixing function. This high performance drill bit provides excellent results when used in land fill, marl, mudstone and shale clays.	Bit Size mm	Size mm	Adapter Bit / Bar
		65	25	NA
		90	32	90/25
		110	38	110/32/25
	SEA - Star Cut : For drilling in soft ground conditions, the SEA "Star-Cut" drill bit gives high performance and durability. This cross-cut type bit has hardened blades with the flushing hole situated behind the cutting edge for optimum grout delivery. Ideal for applications in the following conditions : Sand, Clay and Loose Ground.	Bit Size mm	Bar Size mm	Adapter Bit / Bar
		65	25	NA
		90	32	90/25
		110	38	110/32/25
	SEA Rock Breaker : Designed for use in medium drilling conditions such as sandstone, chalk and rubble. This drill bit features high grade tungsten cutting blades that are very effective in cutting through flint seams that are commonly found in chalky ground.	Bit Size mm	Bar Size mm	Adapter Bit / Bar
		55	25	NA
		75	32	90/25
		100	38	110/32/25
	SEA Tungsten Thor : This robust drilling bit incorporates high grade tungsten buttons and is specifically designed for drilling in ground conditions containing hard rock, rubble and boulders. The positioning of the buttons optimise performance, breaking up and dispersing rock with minimum effort.	Bit Size mm	Bar Size mm	Adapter Bit / Bar
		55	25	NA
		75	32	90/25
		100	38	110/32/25
		130	51	130/38/32/25

SEA-Soil Nail Anchor Plates and Nuts

Available in either galvanised or self colour, anchor plates come in a variety of dimensions, depending upon the application. Plates can be pressed or heavy duty for greater loads and have an articulation range of 0 degrees to 55 degrees, ensuring you maintain optimum results from whatever the angle.



SEA Dome nuts are available to suit your bar and are either self colour or galvanised.

