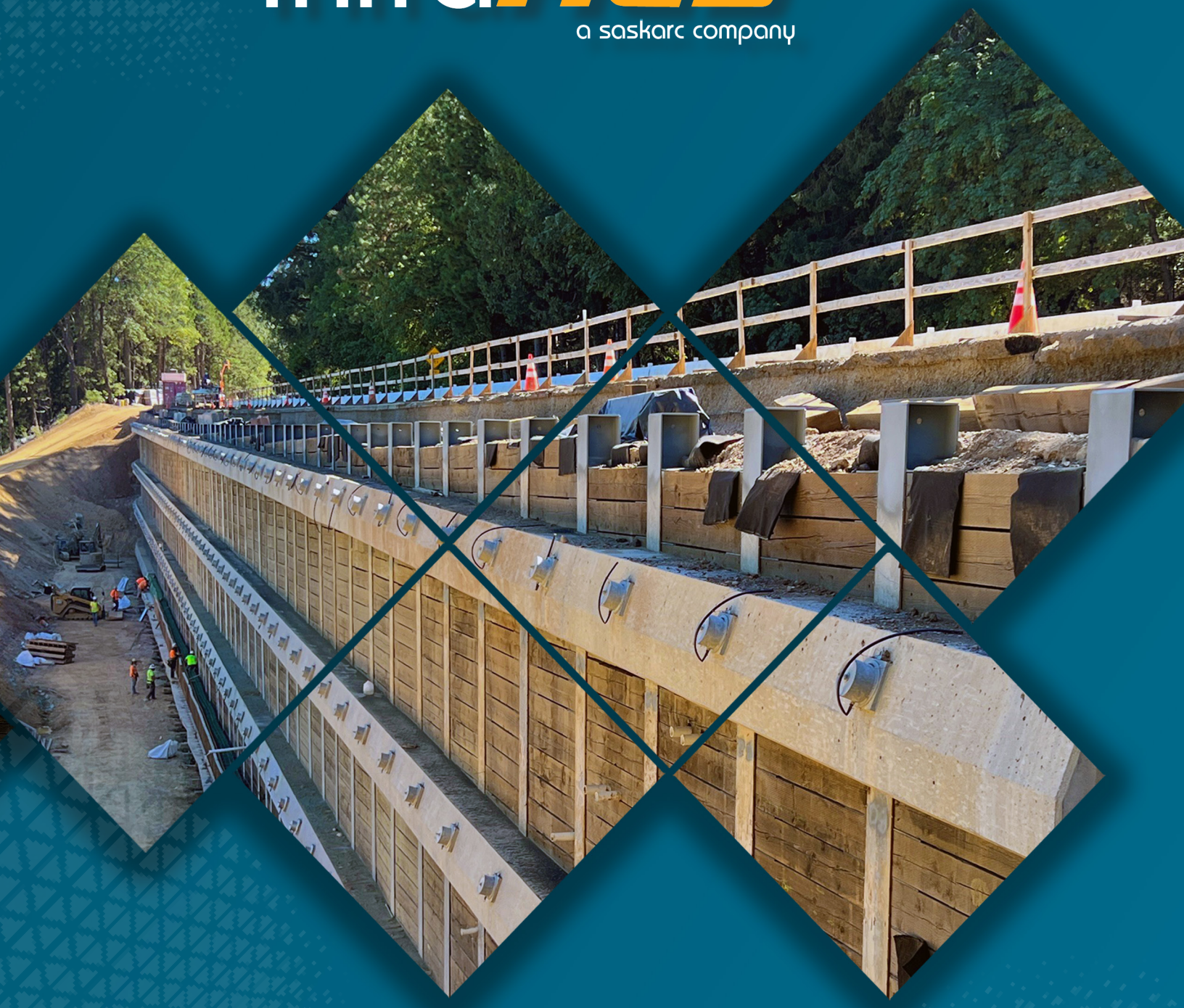
infraMOD™

a saskarc company



GROUND ANCHORS

Anchoring foundations and excavation securely

inframod.com

INFRAMOD GROUND ANCHORS

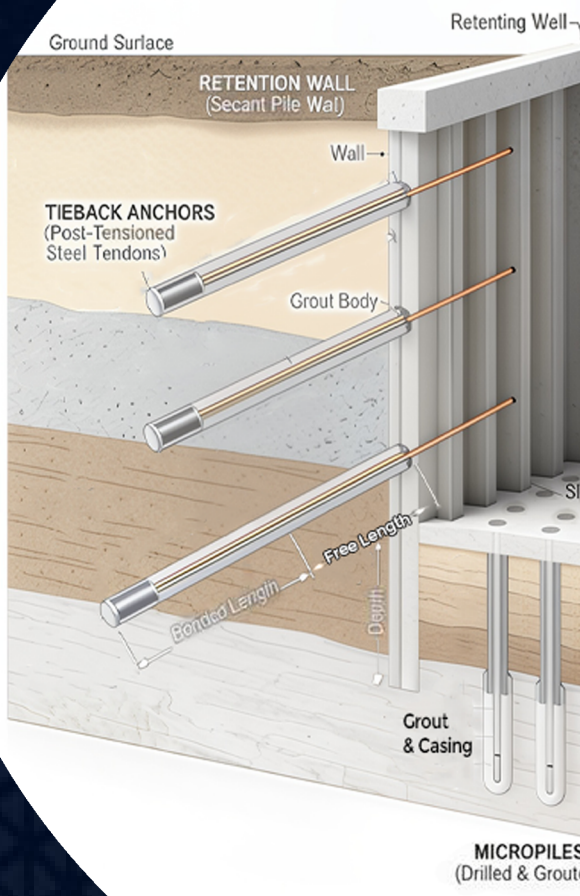
infraMOD's ground anchoring solutions are engineered to reduce risk, simplify installation, and support faster, more predictable excavation progress.

In combination with our engineered struts and walers, the ground anchors provide a customized site-specific solution for your project.

TIEBACKS AND TIEDOWNS

Temporary construction shoring requires robust and reliable support systems to ensure the safety and stability of the project. Tiebacks play a crucial role in these systems, offering enhanced lateral resistance and load-bearing capacity.

Tiedowns and other prestressed ground anchors work on the same philosophy as the tieback anchors with a load transfer to a structure.

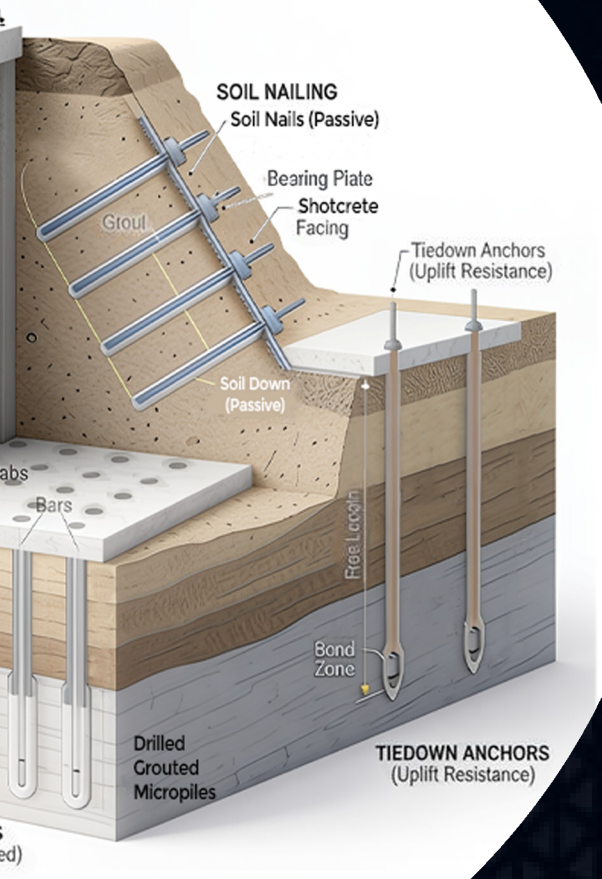


MICROPILES

Micropiles have rapidly gained popularity for foundations in urbanized areas or in locations with low headroom and restricted access. infraMOD's larger diameters of thread bar are popular choices for micropiles foundations.

SOIL NAILS

infraMOD soil nails are designed to provide robust stabilization solutions across a range of ground conditions, featuring both thread bar and hollow bar systems for adaptability and reliability across various ground conditions.



ROCK ANCHORS

Rock anchors serve as essential components in bedrock construction, providing the structural stability needed for demanding excavation and reinforcement works. infraMOD provides a complete family of rock bolts with a simple and efficient system of installation that satisfactorily anchors a broad range of variable rock formations.

CT BOLTS

infraMOD CT bolt is a specialized type of anchor designed for use in underground mining to ensure the stability of rocks and prevent the collapse of galleries, tunnels, and other subterranean structures. These bolts are essential for maintaining safety in areas with unstable rock conditions.

THREAD BAR PROPERTIES

Reinforcing Steel per ASTM A615 and Prestressing Steel per ASTM A722

GRADE 80 HOT ROLLED THREAD BAR

Nominal Dia.		Area	Min. Yield Strength	Min. Ultimate Strength	Weight	Max. Bar Dia.	Elongation	
In.	mm	Sq. In.	Kips	Kips	Lbs./ Ft.	In.	Ags (%)	A10 (%)
1"	25	0.76	60.9	79.4	2.59	1.14	6	10
1-1/8"	28	0.955	76.4	100.3	3.25	1.26		
1-1/4"	32	1.246	99.7	130.8	4.24	1.42		
1-3/8"	36	1.581	126.5	166	5.37	1.61		
1-3/4"	43	2.251	180.1	236.4	7.66	1.89		
2-1/4"	57.5	4.03	322	422.6	13.69	2.48	5	10
2-1/2"	63.5	4.909	392.7	515.5	16.71	2.76		2-1/2"

GRADE 150 HOT ROLLED THREAD BAR

Nominal Dia.		Area	Min. Yield Strength	Min. Ultimate Strength	Weight	Max. Bar Dia.	Elongation	
In.	mm	Sq. In.	Kips	Kips	Lbs./ Ft.	In.	Ags (%)	A10 (%)
1"	26.5	0.85	118	130	3.01	1.22	5	7
1-1/4"	32	1.25	171	190	4.39	1.46		
1-3/8"	36	1.58	216	241	5.56	1.65		
1-5/8"	40	1.95	268	297	6.86	1.81		
1-7/8"	47	2.69	371	409	9.47	2.09		
2-1/4"	57	4.00	484	600	14.08	2.49	4	7
2-1/2"	65	5.16	625	775	18.18	2.8		
3"	75	6.85	830	1028	24.12	3.21		

CT BOLTS

Description	Size	MOQ（PCS)	KGS/PCS
Sheathing	M33X6700	4000	
Dome plate	210x210x10, HDG coating 85um+epoxy 70um	4000	3
Grouting Bell	M33, HDG coating 85um+epoxy 70um	4000	2
HEX NUT	M33, HDG coating 85um+epoxy 70um	4000	0
Expansion shell	M33, ZINC PLATE	4000	1
Thread bar	M33X7000, HDG coating 85um+epoxy 70um	400	540

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