



Rock Bolts – Hollow Bar

Product Code Prefix

Hollow Bar

HB

With Unique Coding

Product Code Guide	Diameter	Grade	Bar Type	Length
	32	S	I B O	3

Physical Properties

Bar Designation	R25N		R32N		R32S		R38N		R38S	
Nominal Outer Diameter [in] / [mm]	1.00	25	1.26	32	1.26	32	1.50	38	1.5	38
Average Inner Diameter [in] / [mm]	0.51	13	0.79	20	0.71	18	0.94	24	0.79	20
Average Cross Section Area [in ²] / [mm ²]	0.39	250	0.54	350	0.67	430	0.91	590	1.03	660
Ultimate Load [kps] / [kN]	45	200	63	280	81	360	112	500	124	550
Yield Load [kps] / [kN]	34	150	52	230	63	280	90	400	101	450
Average Ultimate Tensile Stress [ksi]/[MPa]	116	800	116	800	121	837	123	847	120	833
Average Yield Stress [ksi] / [MPa]	87	600	95	657	94	651	98	677	98	682
Nominal Weight [lbs/ft] / [kg/m]	1.34	2.00	1.81	2.70	2.28	3.40	3.16	4.70	3.4	5.1
Maximum Drilling Depths [ft] / [m]	39	12	52	16	66	20	79	24	79	24

Bar Designation	T40N		R51L		R51N		T76N		T76S	
Nominal Outer Diameter [in] / [mm]	1.57	40	2.00	51	2.00	51	3.00	76	3.00	76
Average Inner Diameter [in] / [mm]	0.79	20	1.38	35	1.30	33	1.93	49	1.73	44
Average Cross Section Area [in ²] / [mm ²]	1.19	770	1.15	740	1.46	940	3.22	2,080	3.81	2,460
Ultimate Load [kps] / [kN]	148	660	124	550	180	800	360	1,600	427	1,900
Yield Load [kps] / [kN]	118	525	101	450	142	630	270	1,200	337	1,500
Average Ultimate Tensile Stress [ksi]/[MPa]	124	857	108	743	123	851	112	769	112	772
Average Yield Stress [ksi] / [MPa]	99	681	88	608	97	670	84	576	88	609
Nominal Weight [lbs/ft] / [kg/m]	4.03	6.00	3.97	5.90	4.97	7.40	10.95	16.30	12.97	19.30
Maximum Drilling Depths [ft] / [m]	92	28	85	26	98	30	118	36	118	36

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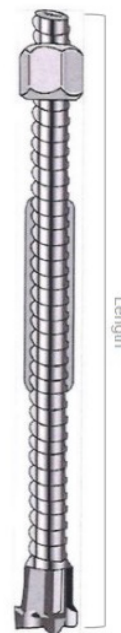
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All dimensions, weights, quantities and specifications are those applicable at the time of this publication and may be amended from time to time. Please contact your local DSI Underground representative for final confirmation of any key specifications.

Key Features

- Fast drilling and placing due to drilling, anchor installation and grouting in a single operation
- Neither separate anchor installation nor removal of casing and drill rods
- Similar installation methods for all ground conditions
- Choice of drill bits for different ground conditions
- The hollow core not only serves for flushing with air or water during drilling, but also for grouting the anchor tendon
- Flexibility in length by using couplers
- Ability to work with small drill rigs without casing in restricted headroom conditions
- Accommodation of needs for enhanced protection against corrosion upon request
- The accepted high standard of quality control from production stage to installation of the Hollow Bar Anchors ensures consistent quality
- The Hollow Bar Anchor has an advantage in all applications where normally cased drilling is required
- The Hollow Bar Anchor System allows for anchoring in both cohesive and non-cohesive ground, even under limited space conditions.



Product Accessories Examples

- DSI Underground manufactures a comprehensive range of products specifically designed for these bolts.

Typically, accessories used are;

	Products			
Product Group	Dome Plate	Starplates	Butterflies	W-Strap
Product Imagery				
Product Code Prefix	D	STP	BUTT	MW

Standard Length & Packaging

- Standard length available include 2.0m, 3.0m, 4.0m, 6.0m
- Standard bundles of 50, custom packaging available on request

Notes

- Only DSI Underground rock bolt components should be used to enable the optimum performance of the bolt system to be obtained
- DSI Underground is Quality Assured to ISO 9001:2015, ISO 14001:2015 and AS-NZS 4801:2001



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Phone APP

- Want to know more; our full product range, knowledge centre, and other details are available via the App; available on iOS and Android devices by searching “DSI Underground”.



iOS



Android

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