

玻璃纖維 螺絲及絲帽 Fiberglass Bolt and Nut System

DURABOLT™
Fiberglass Bolts and Nuts

DURA

Innovative Composites Solution

Tension Bolt and Nut System

DURABOLT™ fiberglass studs and nuts are ideal for applications requiring mechanical fasteners that must be non-corrosive, low in conductivity and/or transparent to electromagnetic waves. **DURABOLT™** studs are machined from pultruded fiberglass vinyl ester rods. The hex shaped nut is thermoplastic. They are easily assembled with a standard six point socket wrench.

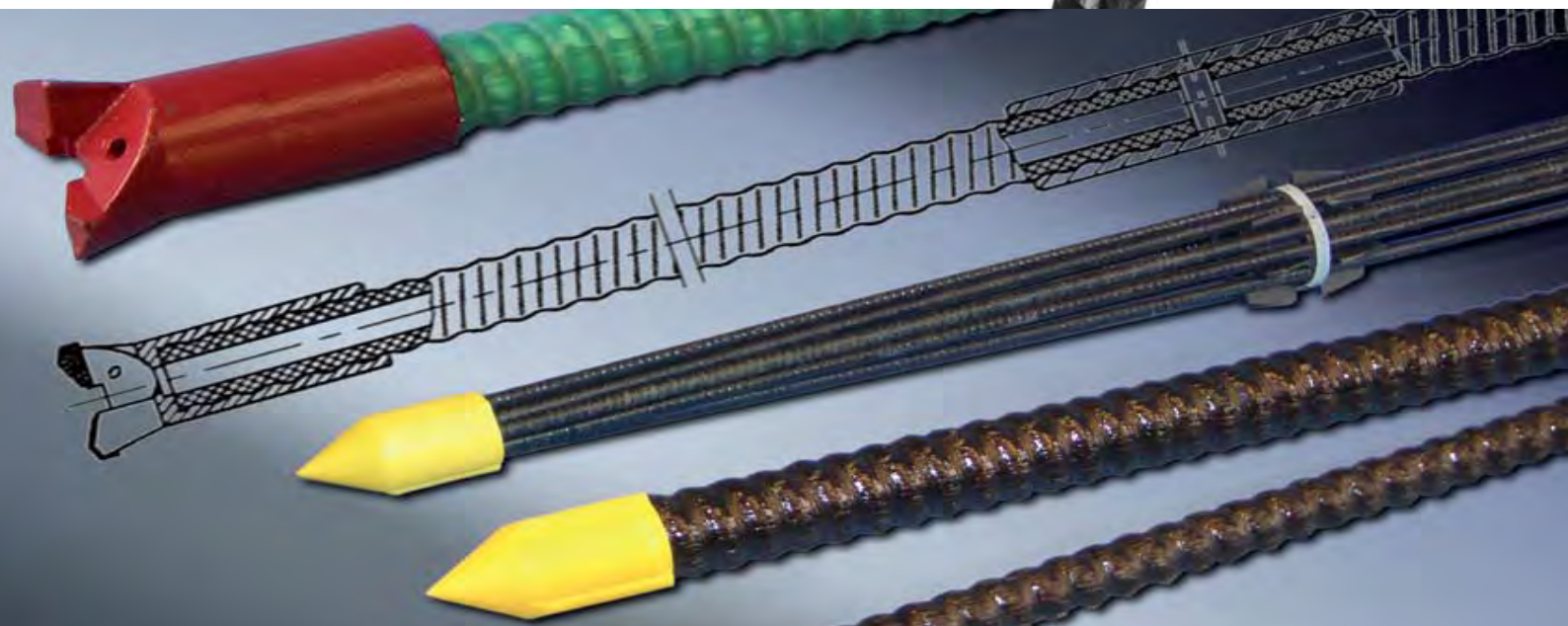
DURABOLT™ studs and hex nuts are available in diameters of **3/8", 1/2", 5/8", 3/4" and 1"** for immediate delivery. Standard lengths available are **100,120,150,180,200,220,250 and 300mm** or partial length threading available on request. **Jade Green** is the standard color. The studs and nuts have UV inhibitors to provide resistance to ultraviolet degradation and corrosion.

Typical applications include:

- Chemical process equipment
- Air and water pollution equipment
- Marine applications
- Cellular antenna mounts and screens

Properties:

1. Anti-Corrosive
2. Non-Magnetic
3. Light Weight
4. High Strength
5. High Impact Strength
6. Design Flexibility
7. Non-Conductive
8. Dimension Stability
9. Radar Transparent
10. Low Thermal Conductivity
11. Durable



玻璃纖維 螺絲及絲帽 Fiberglass Bolt and Nut System



DURABOLT™ THREAD ROD SIZE AND DIMENSIONS 玻璃纖維 螺絲竿

Description 項目	Thread Diameter 螺絲竿直徑 (mm)	Thread Diameter 螺絲竿長度 (毫米)
Threaded Rod 螺絲竿	M12 ^{DURABOLT} Thread Rod 直徑12毫米螺絲竿	100, 120, 150, 180, 200, 220, 250, 300 mm (毫米)
	M14 ^{DURABOLT} Thread Rod 直徑14毫米螺絲竿	100, 120, 150, 180, 200, 220, 250, 300 mm (毫米)
	M16 ^{DURABOLT} Thread Rod 直徑16毫米螺絲竿	100, 120, 150, 180, 200, 220, 250, 300 mm (毫米)
	M18 ^{DURABOLT} Thread Rod 直徑18毫米螺絲竿	100, 120, 150, 180, 200, 220, 250, 300 mm (毫米)
	M20 ^{DURABOLT} Thread Rod 直徑20毫米螺絲竿	100, 120, 150, 180, 200, 220, 250, 300 mm (毫米)
	M22 ^{DURABOLT} Thread Rod 直徑22毫米螺絲竿	100, 120, 150, 180, 200, 220, 250, 300 mm (毫米)
	M24 ^{DURABOLT} Thread Rod 直徑24毫米螺絲竿	100, 120, 150, 180, 200, 220, 250, 300 mm (毫米)
	M26 ^{DURABOLT} Thread Rod 直徑26毫米螺絲竿	100, 120, 150, 180, 200, 220, 250, 300 mm (毫米)
	M28 ^{DURABOLT} Thread Rod 直徑28毫米螺絲竿	100, 120, 150, 180, 200, 220, 250, 300 mm (毫米)

DURABOLT™ NUT DIMENSION 玻璃纖維 絲帽

Description 項目	Nut Int. Diameter 絲帽內直徑 (mm)
Nut 絲帽	M12 ^{DURABOLT} Nut 直徑12毫米絲帽
	M14 ^{DURABOLT} Nut 直徑14毫米絲帽
	M16 ^{DURABOLT} Nut 直徑16毫米絲帽
	M18 ^{DURABOLT} Nut 直徑18毫米絲帽
	M20 ^{DURABOLT} Nut 直徑20毫米絲帽
	M22 ^{DURABOLT} Nut 直徑22毫米絲帽
	M24 ^{DURABOLT} Nut 直徑24毫米絲帽
	M26 ^{DURABOLT} Nut 直徑26毫米絲帽
	M28 ^{DURABOLT} Nut 直徑28毫米絲帽

DURABOLT™ BOLTS 玻璃纖維 螺絲

Description 項目	Bolt Diameter 螺絲直徑 (inch)
Bolts 螺絲	3/8" Bolt Head 直徑 3/8 寸螺絲頭
	1/2" Bolt Head 直徑 1/2 寸螺絲頭
	5/8" Bolt Head 直徑 5/8 寸螺絲頭
	3/4" Bolt Head 直徑 3/4 寸螺絲頭
	1" Bolt Head 直徑 1 寸螺絲頭

Specification of DURABOLT (in inch)

Properties	ASTM	UNITS	Bolt Size Diameter(Inch)-Threads Per Inch				
			3/8"	1/2"	5/8"	3/4"	1"
Ultimate Transverse Shear	B-565 (Double Shear)	lb	4200	6800	10000	13400	24000
Longitudinal Compressive Strength	D-695	psi	50000	50000	50000	50000	50000
Flexural Strength	D-790	psi	30000	30000	30000	30000	30000
Flexural Modulus	D-790	Psi×10 ⁶	2.5	2.5	2.5	2.5	2.5
Flammability	D-635	----	Self-extinguishing for all				
Fire Retardant	E-84	----	Class 1				
Water Absorption (24hr. immersion)	D-570	% max	0.8	0.8	0.8	0.8	0.8
Longitudinal Coefficient of Thermal Expansion	D-696D	10 ⁻⁶ /in/in°F	6	6	6	6	6
Ultimate Thread Shear using fiberglass nut	----	lb	1200	2400	3600	4000	8200
Color	----	----	Jade-Green				

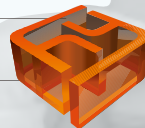
Specification of DURABOLT (in SI Unit)

Properties	ASTM	UNITS	Bolt Size Diameter(Inch)-Threads Per Inch				
			3/8"	1/2"	5/8"	3/4"	1"
Ultimate Transverse Shear	B-565 (Double Shear)	kg	190.90	309.10	454.50	609.09	10909.10
Longitudinal Compressive Strength	D-695	MPa	344.74	344.74	344.74	344.74	344.74
Flexural Strength	D-790	MPa	206.84	206.84	206.84	206.84	206.84
Flexural Modulus	D-790	GPa	172.37	172.37	172.37	172.37	172.37
Flammability	D-635	----	Self-extinguishing for all				
Fire Retardant	E-84	----	Class 1				
Water Absorption (24hr. immersion)	D-570	% max	0.8	0.8	0.8	0.8	0.8
Longitudinal Coefficient of Thermal Expansion	D-696D	10 ⁻⁶ /in/in°F	6	6	6	6	6
Ultimate Thread Shear using fiberglass nut	----	lb	1200	2400	3600	4000	8200
Color	----	----	Jade-Green				



YEUNG'S fiberglass

楊氏玻璃纖維 est. 1983



楊氏玻璃纖維公司

香港政府認可公共工程物料專門承造商

香港灣仔軒尼詩道338號

北海中心 23 樓 F 室

電話: (852) 2893 8865

傳真: (852) 2893 6321

電郵: yeungs@fiberglass.com.hk

國際網絡: <http://www.fiberglass.com>

玻璃纖維 螺絲及絲帽 系列