



Gerda A722 Bars

Stretched & Stress Relieved



Mike O'Callaghan-Pat Tillman Memorial Bridge, utilizing Gerda A722 bars for ground anchoring

A722 Type I (Plain) Bars & Type II (Deformed) Bars

Applications:

- Construction & post-tensioning, commonly for repair & strengthening projects, or at joints between concrete & steel structures
- Wind tower anchoring bolts

Advantages:

- Fully compliant to ASTM A722 specification, a recognized international standard
 - Gerda is North America's **ONLY** producer of true A722.
- Superior quality assurance - each bar is proof-tested
- Lower stress relaxation than comparable Quench & Temper Products
- Longer lengths available compared to Quench & Temper Products
- Shorter lead times due to complete Gerda supply chain



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Gerda A722 bars utilized as anchor bolts in wind turbine foundations

Gerda Midlothian Steel Processing (GMSP) produces both A722 Type I and Type II, in multiple sizes and lengths. Gerda hot rolled bars are subjected to cold-stressing to 80% ultimate tensile strength, and stress relieved.

Gerda Midlothian Steel Processing – Size and Length Capabilities		
Type I Nominal Sizes, inches ^{1,2}	Type II Nominal Sizes, mm ^{1,2}	Available Lengths ^{2,3}
1.080	26	Available lengths are from 30 to 65 feet.
1.316	32	
1.473	36	
1.842 / 1.867	46	

1. Inquire on sizes not listed.
2. Dimensional and length tolerances are according to ASTM A29.
3. Short bar(s) due to testing are included in the bundle(s).

A722 – Mechanical Properties			
	Tensile Strength	Yield Strength	Elongation
Type I	Minimum of 150 ksi (1,035 MPa)	85% of the minimum tensile strength 127.5 ksi (880 MPa)	4.0% minimum in a gage length equal to 20 bar diameters, or 7.0% minimum in a gage length equal to 10 bar diameters
Type II		80% of the minimum tensile strength 120 ksi (828 MPa)	



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