



Amega West Stabilizers

Premium Drilling Tools

In today's economy, controlling drilling costs are extremely important. The Amega West line of stabilizers are designed and engineered to ensure reliability, longevity and versatility for all types of BHA configurations. All are designed to allow for increased penetration while at the same time controlling deviation. Whenever possible we utilize and recommend high strength non-magnetic material for all non-mag applications below 10" OD.

Amega West's complete line of stabilizers are manufactured to API Spec. 7-1 license number 7-1-0841.

Integral Stabilizers

The integral blade stabilizers are a one piece construction manufactured from either AISI 4145H modified heat treated steel or non-magnetic material. They are available in spiral or straight blade configuration, used in medium to hard formations, and hole sizes ranging from 4 1/8 to 28 inches. Various surface wrap configurations are available up to 360 degrees.

Welded Stabilizers

The welded spiral or straight blade stabilizers are available in three to five blade configuration, used in soft to medium formations, and manufactured from AISI 4145H steel or non-magnetic material. Hole sizes range from 4 1/8 to 28 inches.

Steerable Stabilizers

The steerable stabilizers are available in integral welded (straight or spiral) configuration. They are available in both 4145H steel as well as non-magnetic material. The shorter blade contact length reduces wall friction as well as the tendency for the stabilizer to hang on ledges.



Size Chart

Hole Size	Body OD	Finishing Neck Length	Nominal Overall Length		Blade Length	Blade Width Contact (Integral)	Blade Width Contact (Welded)
			Nearbit	String			
4 1/8" - 6 7/8"	3 1/8" - 4 3/4"	30"	66"	76"	16"	2"	1 1/2"
7" - 9 7/8"	6" - 7 3/4"	30"	66"	76"	18"	2 1/2"	2"
10" - 12 1/4"	8" - 9 1/2"	28" - 30"	72"	86"	18"	3"	2"
13" - 17 1/2"	8" - 9 1/2"	32"	76"	100"	20"	3 1/2"	2"
20" - 26"	9 1/2" - 11"	32"	90"	100"	24"	4"	2"

ABOUT AMEGA WEST

Amega West Services, a Carpenter Company, is a recognized leader in the manufacture, rental, and repair of downhole drilling tools for land and offshore.

With locations worldwide, and a large inventory of drill collars, stabilizers, sub-assemblies, and other downhole tools, Amega West is committed to providing customers with easy solutions for complicated situations.

Based in Houston, TX, Amega West is committed to providing superior-quality tools, exceptional service, and competitive pricing. You will find the drill-site tools, service and cost efficiencies to give you the advantage in the field.

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www.amega-west.com

Amega West offers a complete range of hardfacings for those tough drilling conditions to ensure reliability and improved rate of penetration.

Premium Rod (Similar to HF 1000/ HF 2000) – Crushed Tungsten Carbide chips are fused in a Nickel base matrix via Oxy-Fuel welding. Hardfaced surfaces may be tailored to specific job applications by using various sizes and shapes of carbide chips.



Plasma Transfer Arc – Our hard-facing process has the option of using our proprietary weld powder developed by Carpenter Technology Corporation. These powders have exhibited superior wear resistance in a variety of applications. With the low heat input, PTA proves to be an excellent solution for hardfacing needs for both non-mag and steel applications.



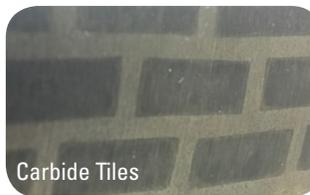
Laser Cladding – With robotic accuracy and minimal heat input, Amega West's laser cladding offers the ability to hardface tools with complex geometries. Consistent particle distribution and extremely low base metal dilution are also advantages that make laser cladding ideal for non-mag products.



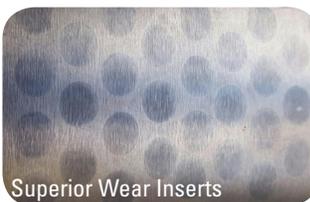
TSP Tiles (Similar to HF 6000) – The addition of Thermally Stable Polycrystalline (TSP) tiles can be made in various concentrations for the most aggressive formations using standard metal spray techniques. TSP tiles can also be filled using PTA with the addition of carbide in the matrix. This ability allows Amega West to increase wear resistance in strategic locations while keeping cost to a minimum.



Carbide Tiles (Similar to HF 3000) – Amega West holds current “Quick-Tip” certifications in multiple locations. Another variation of Carbide Tiles offered is to use PTA to fill the matrix between the tiles. Advantages include less heat input for non-mag base metal, faster production time, and the addition of carbide particle in the matrix material to reduce wash-out.



Superior Wear Inserts – This proprietary process uses superior wear inserts that are brazed into a matrix of high carbide PTA hardfacing. The PTA hardfacing provides outstanding wash resistance that ensures the inserts stay in place. Inserts may be placed flush or slightly raised above the PTA matrix and come in limitless geometries.



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