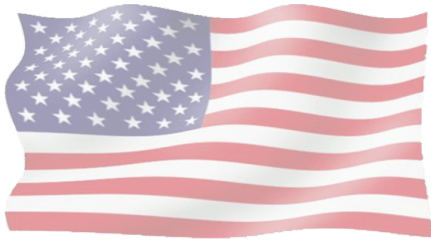


Buy America Compliant

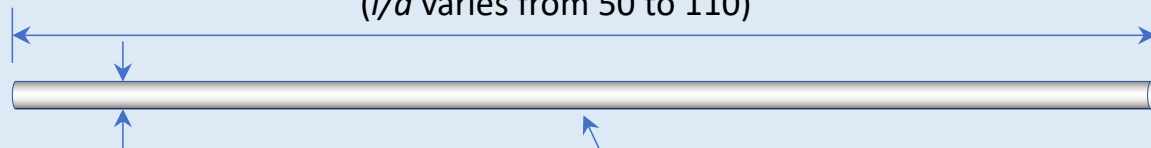


HIPER FIBER

ADVANCED STEEL FIBERS FOR
ULTRA HIGH PERFORMANCE CONCRETE

DATA SHEET (TYPE A and TYPE X)

Length can be customized from 10 mm to 22 mm
(l/d varies from 50 to 110)



Diameter 0.2 mm

Surface (brass coated) is modified to optimize interaction with UHPC matrix
(patent pending)

General Information

HiPer Fiber products are made from cold drawn high-carbon steel manufactured from steel wire rod sourced from a US Steel Mill. The Heat Number(s) used are listed on this Mill Certificate. All manufacturing steps are conducted in the United States of America in compliance with the **Buy America Act**.

Our patent-pending surface modification technology dramatically boosts fiber performance.

1. Reduce dosage without compromising UHPC performance
2. Keep standard dosage but achieve substantially improved material properties
3. Keep the fibers short to eliminate mixing problems that occur at higher dosages

Conforms to
ASTM A820
Type 1

Test	Units	Tests	Test Results			
			Average	Ste Dev	Min	Max
Diameter	mm	12	0.200	0.001	0.198	0.202
Tensile Strength	N/mm ²	12	2928	56.714	2824	3039
Break Load	N	12	92.2	2.281	89.5	97.4
Elongation at Break	(%)	12	2.3	0.368	1.8	2.8
Copper Content	(%)	12	66.8	1.543	64.7	68.7
Brass Weight	(g/kg)	12	4.83	0.092	4.71	4.96
Torsions	(Turns/100d)	12	67	17.367	53	99