



AISI W-1 TOOL STEEL
For Water Hardening

PRECISION GROUND & POLISHED

A Necessity For Any Machine Shop!

What's a machine shop without drill rod? Keep plenty on hand. Use for small tools and dies, keys, taps, arbors, special threaded rods, roller bearings, mandrels, punches, pinions, knock-out pins, dowel pins.

Standard Manufacturing Tolerances

INCH SIZES	
SIZE RANGE	PLUS OR MINUS
Up to 0.124"	.0003"
0.125" to 0.499"	.0005"
0.500" to 2.000"	.001"

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Furnished in annealed condition, ready for machining and heat treating.

Typical Analysis:

Carbon (C) 1.05% Manganese (Mn) 0.20% Silicon (Si) 0.20%

Also Available - Oil Hardening Grade on Special Order

Standard Manufacturing Tolerances

METRIC SIZES			
SIZE RANGE	PLUS	MINUS	IN INCHES
1.00 - 1.50 mm	0	.012 mm	-.0005
2.00 - 3.00 mm	0	.014 mm	-.0006
3.50 - 6.00 mm	0	.018 mm	-.0007
6.50 - 10.00 mm	0	.022 mm	-.0009
10.50 - 18.00 mm	0	.027 mm	-.0010
19.00 - 30.00 mm	0	.033 mm	-.0013

INCH SIZES 36" Lengths (91.44 cm)		
SPAENAUR No.	Diameter (inches)	Rods Per Unit Package
864-200	1/16"	10
864-201	5/64"	10
864-202	3/32"	10
864-203	7/64"	10
864-204	1/8"	10
864-205	9/64"	10
864-206	5/32"	10
864-207	3/16"	1
864-208	7/32"	1
864-209	1/4"	1
864-210	9/32"	1
864-211	5/16"	1
864-212	11/32"	1
864-213	3/8"	1
864-214	13/32"	1
864-215	7/16"	1
864-216	15/32"	1
—	1/2"	1
864-218	9/16"	1
864-219	5/8"	1
864-220	11/16"	1
864-221	23/32"	1
864-222	3/4"	1
864-223	13/16"	1
864-224	7/8"	1
864-225	15/16"	1
864-226	1"	1
—	1-1/8"	1
864-229	1-1/4"	1
864-228	1-3/8"	1

METRIC SIZES DIN 175 (Tolerance: h9) 1 Metre Lengths (39.37")		
SPAENAUR No.	Diameter (mm)	Rods Per Unit Package
—	2	10
—	2.2	10
865-203	2.5	10
—	2.6	10
—	2.8	10
865-204	3	10
865-208	5	10
865-210	6	10
865-212	7	1
—	8	1
865-214	9	1
865-216	11	1
865-217	12	1
—	13	1
—	16	1
865-223	18	1
—	19	1
865-224	20	1
—	21	1
865-225	22	1
—	23	1
865-226	24	1
865-227	25	1
—	26	1
—	27	1
—	28	1
—	29	1
865-228	30	1
—	32	1
—	33	1
865-198	35	1
—	36	1
—	40	1

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