

# EnableLLOY<sup>®</sup> PERFORMANCE

ENABLE TECH SERVICES
FLEXIBLE/NO MINIMUMS
MECHANICAL TESTING
PROGRAM MANAGEMENT
JUST-IN-TIME PROGRAMS
ENGINEERING SUPPORT
METALLURGICAL SUPPORT

STANDARD SIZES	
OUTSIDE DIAMETER	1.20" - 24.00"
WALL THICKNESS	.020" - .750"
LENGTH	240" MAX

ALLOYS FORMED	
NICKEL	718, 625, 725, 400, 600, 800, 825, 925, C276, C22, Alloy X, CuNi
STAINLESS	300 series, nitronics, 17-4 PH, 15-5 PH, 17-7 PH, P550, 15-15, Super Dup
TITANIUM	Grade 2, Grade 5, Grade 9
COBALT	MP35N, L605
ALUMINUM	6061, 7075
REFRACTORY	Zirconium, Niobium, Columbium, Tantalum
STEEL	4130, 4140, 4340, 8620

SPECIFICATIONS PRODUCED
AMS
ASTM
MILITARY
NACE
CUSTOMER SPECIFIC

STANDARD TOLERANCES	
INNER DIAMETER	+/- .005"
OUTSIDE DIAMETER	+/- .005"
STRAIGHTNESS	.005"/FT
SURFACE FINISH ID (μinch)	16
SURFACE FINISH OD (μinch)	32

\* POINT OF REFERENCE ONLY AS EXACT TOLERANCES ARE DEPENDENT ON THE MATERIAL, SIZE, AND WALL THICKNESS

ALLOY MECHANICALS			
ENABLELLOY GRADE	UNS	CONDITION	APPLICABLE SPECIFICATION
ENABLELLOY 50 (XM-19)	S20910	AS FLOWFORMED	
ENABLELLOY 15-15 (CARTECH 15-15HS MAX)		AS FLOWFORMED	
ENABLELLOY 718	N07718	AS FLOWFORMED	
ENABLELLOY 22 (C22)	N06022	AS FLOWFORMED	
ENABLELLOY 35 (MP35N)	R30035	AS FLOWFORMED	
ENABLELLOY 35 NACE (MP35N)	R30035	FLOWFORMED AND AGED 1300F/4HR	NACE MR0175
ENABLELLOY 35 NACE (MP35N)	R30035	FLOWFORMED AND AGED 1350F/4HR	NACE MR0175
ENABLELLOY 35 NACE (MP35N)	R30035	FLOWFORMED AND AGED 1425/6HR	NACE MR0175
ENABLELLOY 825	N08825	AS FLOWFORMED	

TYPICAL ROOM TEMP PROPERTIES			
.2% YS KSI	UTS KSI	% ELONGATION	HR
195	220	15	4
195	232	10	4
192	221	12	4
208	238	15	4
180	214	21	4
221	233	20	4
222	238	17	4
209	223	18	4
154	157	20	3