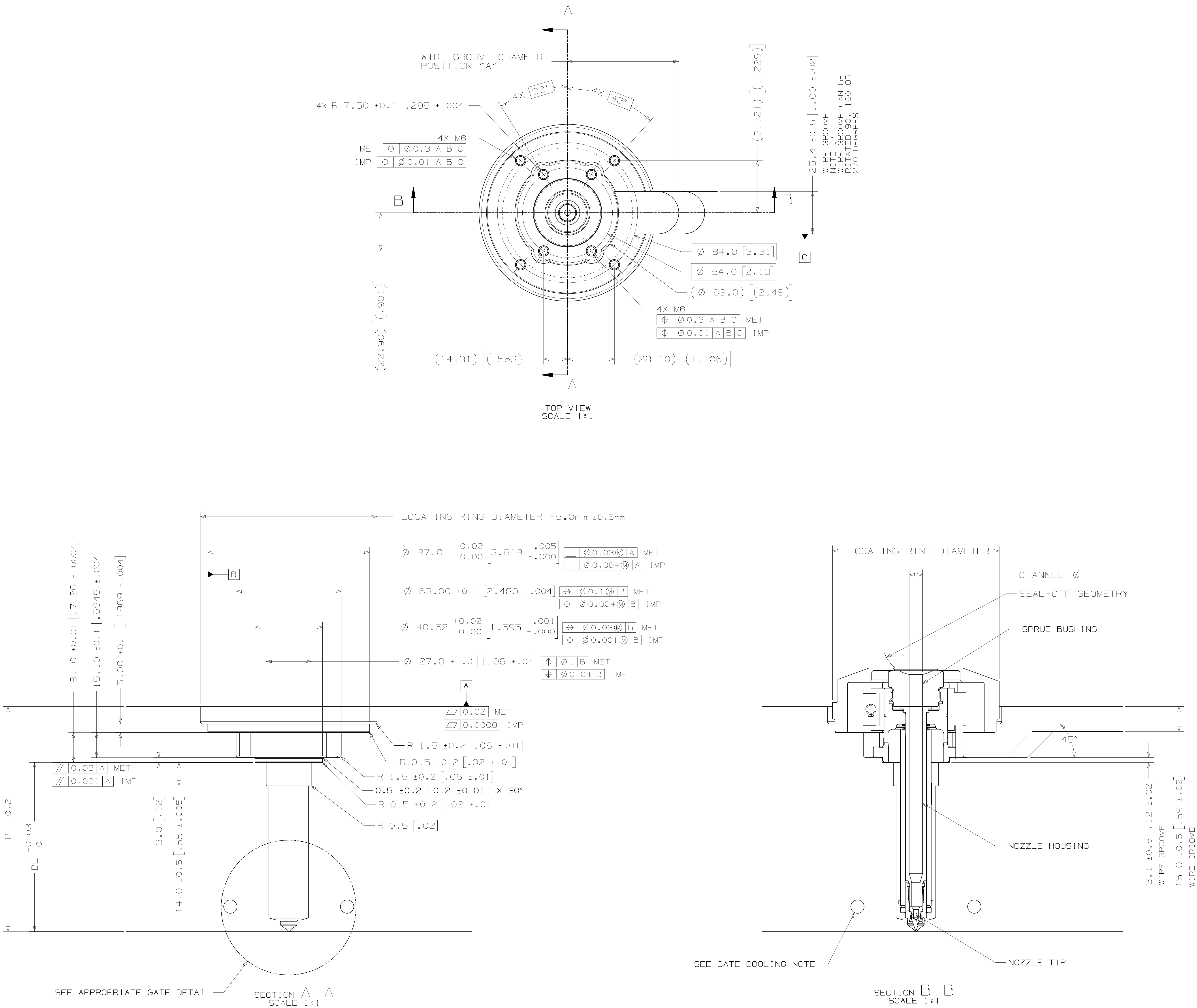


INSTALLATION DRAWING



NOZZLE SERIES	NOZZLE TIP	PL RANGE	Approx. BL *
U500	HT-D	54.25 (2.136) - 221.42 (8.717)	32 (1.26) - 181 (7.13)

*Approx. BL VALUES IN THE TABLE ARE REFERENCES WHICH CAN DEVIATE BY +/-1mm.
FINAL BL VALUE CAN BE FOUND ON GATE DETAIL DRAWING AND 3D AFTER FINISHED DESIGN.
BL AVAILABLE IN THE INCREMENT OF 10mm WITHIN RANGE.

U500	SPRUE BUSHING	
	SEAL-OFF GEOMETRY	CHANNEL Ø
	SPHERICAL RADIUS	IN - OUT
	FLAT	4 - 8
	FLAT	
	SEAL-OFF 12.7 (1/2)	6.35 - 8
	SEAL-OFF 15.5	8 - THRU
	SEAL-OFF 19.05 (3/4)	
	SEAL-OFF 20	
	SEAL-OFF 40	

U500	LOCATING RING OUTER DIAMETER	WIRE GROOVE CHAMFER POSITION "A"
	100	66.7
	101.3 (3.99)	66.7
	125	78.7

DIMENSIONS SHOWN AS: millimeters (inches)

RECOMMENDED GATE COOLING GUIDELINES
ADEQUATE COOLING IS ESSENTIAL FOR THE PROPER FUNCTION OF THIS SYSTEM. REFER TO THE HOT RUNNER PRODUCT GUIDE FOR MORE DETAILED GUIDELINES.

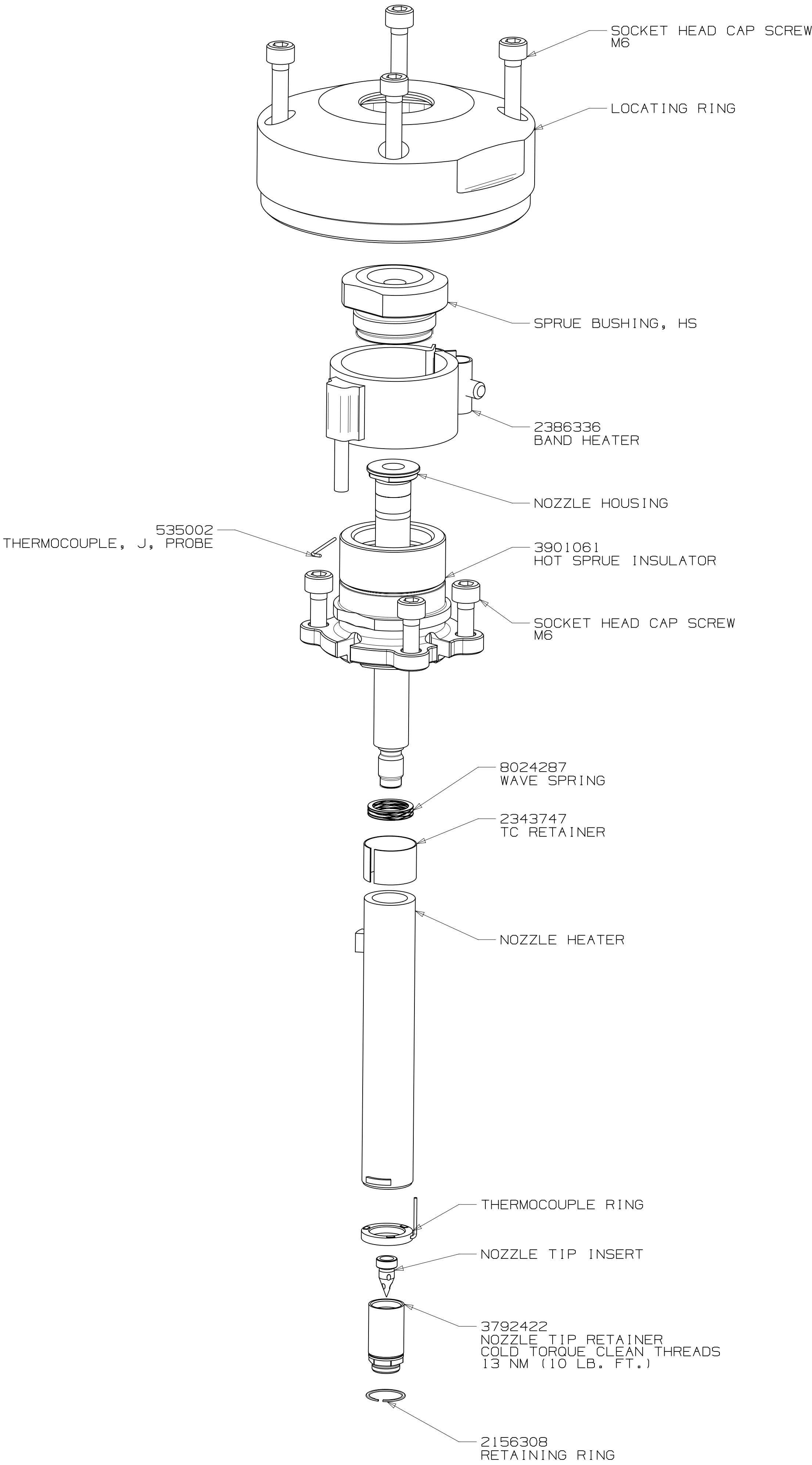
RECOMMENDED GATE MATERIAL
NOTE: THESE MATERIALS MAY NOT OFFER THE DESIRED RESISTANCE TO ABRASIVE AND/OR CORROSIVE RESINS, FILLERS AND/OR ADDITIVES
AISI H13 (48-51 Rc)
AISI 420 (48-51 Rc)

- RECOMMENDED GATE MANUFACTURING GUIDELINES
- HARDENED GATE INSERTS (48-51) ARE RECOMMENDED WHEN USING SOFTER CAVITY STEELS. SOFTER CAVITIES MAY BE ACCEPTABLE FOR CERTAIN APPLICATIONS. CONTACT YOUR HUSKY REPRESENTATIVE WITH QUESTIONS.
 - EDM'ING THE GATE AREA CAUSES MICRO CRACKS WHICH LEAD TO BRITTLE GATE FAILURES. ALSO - DO NOT EDM THE MOLDING SURFACE WITHIN 2mm OF THE GATE HOLE.
 - MACHINE THE GATE HOLE AFTER HARDENING TO AVOID EXCESSIVE QUENCH IN THE THIN SECTION DURING HEAT TREAT & RESULTING OVERHARDENING IN THE GATE AREA.
 - RECESSED GATES ON THE PRODUCT REDUCE THE GATE AREA STRENGTH LEADING TO GATE FAILURES.
 - WELDING THE GATE AREA INCREASES STRESSES AT THE GATE. SOFTENING THE AREA AROUND THE WELD AND CAN CAUSE GATE FAILURES.

HUSKY		TITLE	SIZE	SCALE	NO	REV
FOR TORQUE SPECIFICATIONS, REFER TO HS 252		HOT SPRUE	AOR	8093162	2	
WEIGHT - kg		DRAWING				

ASSEMBLY DRAWING

DRAWING
8093162
REV
2



EXPLODED VIEW
SCALE 1:1

UNLESS OTHERWISE SPECIFIED TORQUE TO HUSKY SPECIFICATION HS 252		
PRELOAD CLASS HGT-80		
SIZE	Nm	lb.-ft.
#8	5	4
#10	7	5
1/4	16	12
5/16	35	25
3/8	60	45
7/16	95	70
1/2	150	110
5/8	290	210
3/4	500	360
7/8	790	580
1	1180	865
M4	4.6	3.4
M5	9.5	7.1
M6	16	12
M8	39	29
M10	77	57
M12	135	100
M14	215	160
M16	330	245
M20	650	480
M24	1100	810

ELECTRICAL INFO (240 VAC)	
ZONE	ZONE DESCRIPTION
1	SPRUE BODY
2	NOZZLE TIP
T/C LEADS: WHITE = (+) RED = (-)	
RECOMMENDED GATE COOLING GUIDELINES ADEQUATE COOLING IS ESSENTIAL FOR THE PROPER FUNCTION OF THIS SYSTEM. REFER TO THE HOT RUNNER PRODUCT GUIDE www.husky.ca FOR MORE DETAILED GUIDELINES.	
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FOR TORQUE SPECIFICATIONS, REFER TO HS 252		METRIC		HUSKY	
WEIGHT		- kg		TITLE HOT SPRUE U500-HT-D	
				SCALE NONE	SIZE
				SHEET 2 OF 2	DRAWING
				AIR	8093162
					REV
					2