





EXTERNAL SPLINE DRAWING DATA (BASED ON ANSI B92.1a-1976)

TYPE	FLAT ROOT SIDE FIT	
NUMBER OF TEETH	30	
DIAMETER PITCH	8.0000	
STUB-PITCH	16.0000	
PRESSURE ANGLE	DEG.	30.00
PITCH DIAMETER	INCH	3.7500
BASE DIAMETER	INCH	3.2476
MAJOR DIAMETER	INCH	3.8750
MINOR DIAMETER	INCH	3.5646
FORM DIAMETER (MAX.)	INCH	3.6175
TOLERANCE CLASS	5	
ACTUAL TOOTH THICKNESS (MIN/MAX)	INCH	0.1927 0.1948
WIRE-PIN DIAMETER	INCH	0.2400
MEASUREMENT OVER PINS (MIN/MAX)	INCH	4.1175 4.1208

WELDING PROCEDURE AS PER		SPECIFICATION - ENG 704, UNLESS NOTED OTHERWISE		INIT.	YY/MM/DD	THIRD ANGLE PROJECTION	
THIS PRINT AND DESIGN AND DETAIL SHOWN THEREON ARE THE PROPERTY AND INVENTION OF THIS PRINT IS FURNISHED WITH THE UNDERSTANDING THAT IT IS NOT TO BE REPRODUCED WITHOUT PERMISSION AND RETURNED UPON DEMAND. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED BY .	REMOVE SHARP CORNERS AND BURRS CASTING $\pm 1/16$	TOLERANCE - UNLESS OTHERWISE SPECIFIED FABRICATING IMPERIAL FABRICATING METRIC					
	(○) CONCENTRICITY .005 TIR	0 TO 24° $\pm 1/16$	0 TO 610 mm ± 1 mm	MODELED	A XK	13/10/02	
	(—) STRAIGHTNESS $\pm .005$ IN 5 INCHES	24° to 60° $\pm 1/8"$	610 TO 1525 ± 3 mm	DRAWN	RLC	13/10/07	
	(+/-) SQUARENESS $\pm .010$ IN 5 INCHES	60° to 120° $\pm 3/16"$	1525 TO 3048 ± 5 mm	CHECKED	GRY	14/01/23	
	(//) PARALLELISM $\pm .010$ IN 5 INCHES	120° to 280° $\pm 1/4"$	3048 TO 1112 ± 4 mm	APPRV'D	LTY	14/01/23	
	(◊) FLATNESS $\pm .010$ or as Shown	280° & OVER $\pm 1/2"$	1112 & OVER ± 13 mm	MATERIAL	AISI 4320 PER SPEC CMS 401		
	(○) TRUE POSITION .005	MACHINED SURFACES $\frac{125}{xx}$	MACHINING IMPERIAL MACHINING METRIC		DO NOT SCALE DRAWING		
		MACHINED SURFACES $\frac{125}{xx}$	DECIMAL x $\pm .030"$ DECIMAL x $\pm .8$ mm		SHAFT, INPUT, GEARCASE, 8.65:1, 750T		
			.xx $\pm .015"$.xx $\pm .40$ mm		EST. WEIGHT 91.3 lbs SCALE 1:1		
			.xxx $\pm .005"$.xxx $\pm .13$ mm		SHEET SIZE D	SHEET 2 OF 2	DT33296 REV A
			ANGULAR MACHINING $\pm 1^{\circ}$ FABRICATION $\pm 2^{\circ}$				