

6 5 4 3 2 1

INTERNAL SPLINE DATA		
NUMBER OF TEETH	14	
NORMAL MODULE	0.3	
THEORETICAL PITCH DIAMETER	4.2	
NORMAL PRESSURE ANGLE (deg)	20	
TOOTH TOLERANCE CLASS( ANSI B92.2M:1989 )	7	
SPLINE TYPE	FLAT ROOT MAJOR DIAMETER FIT	
FIT ACCURACY	7H	
TIP DIAMETER MAX / MIN	3.912	3.900
TIP CHAMFER	0.030	
TIP CHAMFER ANGLE	45	
ROOT DIAMETER MAX / MIN	4.959	4.947
PIN DIAMETER	0.53	
ACTUAL MEASURE OVER PINS - MAX/MIN	3.8450	3.7272
EFFECTIVE MEASURE OVER PINS - MAX/MIN	3.7665	3.6337
REFERENCE PROFILE - CUSTOM		
DEDENDUM	1.245	
TOOTH ROOT RADIUS	0.067	
ADDENDUM	0.5	

REVISIONS

ZONE	REV.	DESCRIPTION	BY	APP. BY	DATE
B4	X02	CHANGED SURFACE TREATMENT TO "ALL SURFACES"	WE	JPLB	2024-07-15

3<sup>+0.024</sup><sub>+0.014</sub>

Φ 0.1 (M) A (M) B

C

4±0.2

50°

(Φ 26)

8.2

120°

Φ 22

ALL SURFACES X02  
NITRIDING CASE DEPTH 0.1MM MIN  
HARDNESS 52-58 HRC

3X Φ 2.4±0.1 THRU ALL  
Φ 3.7<sup>+0.2</sup><sub>0</sub> ▽ 1.4±0.1 MAX

Φ 0.1 (M) A (M) B C (M)

(0.3 X 45°)

Φ 5<sup>H7 +0.012</sup><sub>0</sub>

Φ 0.05 A B

(0.3 X 45° TYP)

(13.75)

SECTION A-A

Φ 8 e6<sup>-0.025</sup><sub>-0.034</sub>

(0.5 X 45°)

A

4

0.1 A

0.05 A

B

NOTES (UNLESS OTHERWISE SPECIFIED) :

- CONTOUR AS SHOWN IS NOMINAL AND TO BE CONSIDERED BASIC.
- ALL UNTOLERANCED DIMENSIONS ARE BASIC.
- GENERAL FORM TOLERANCE IS 0.3 A B C
- THIS IS A LIMITED CONTENT DRAWING. ALL GRAPHIC MEASURED DATA ARE BASIC AND ARE TO BE TAKEN FROM THE 3D MODEL #4460-870 OF SAME REVISION AS THE CURRENT DRAWING.
- ALL GENERAL DIMENSIONS AND TOLERANCES SHALL INCLUDE SURFACE TREATMENT (WHEN APPLICABLE).
- THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5-2018 FOR ALL GEOMETRIC TOLERANCES AND RELATED DATUMS.
- THIS PART MUST BE CLEAN AND FREE OF ANY PARTICLE, DUST, METAL CHIP AND CUTTING FLUID.
- DEBURR SHARP EDGES.

Exonetik

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Quebec, Canada  
J1L 1V8

3RD ANGLE  
PROJECTION

DIMENSIONS ARE  
IN MILLIMETERS

NUMBER : 4460-870

TITLE : BYPASS PLATE

FORMAT : B

SCALE : 2:1

REV : X02

PROJECT : PRJ24-001

MATERIAL : 16MnCr5 (28-32 HRC)

MASS : 13.28 G

DRAWN BY : WILLIAM EAST

APP. BY : JPLB

DATE : 2024-07-15

SHEET : 1 OF 1

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