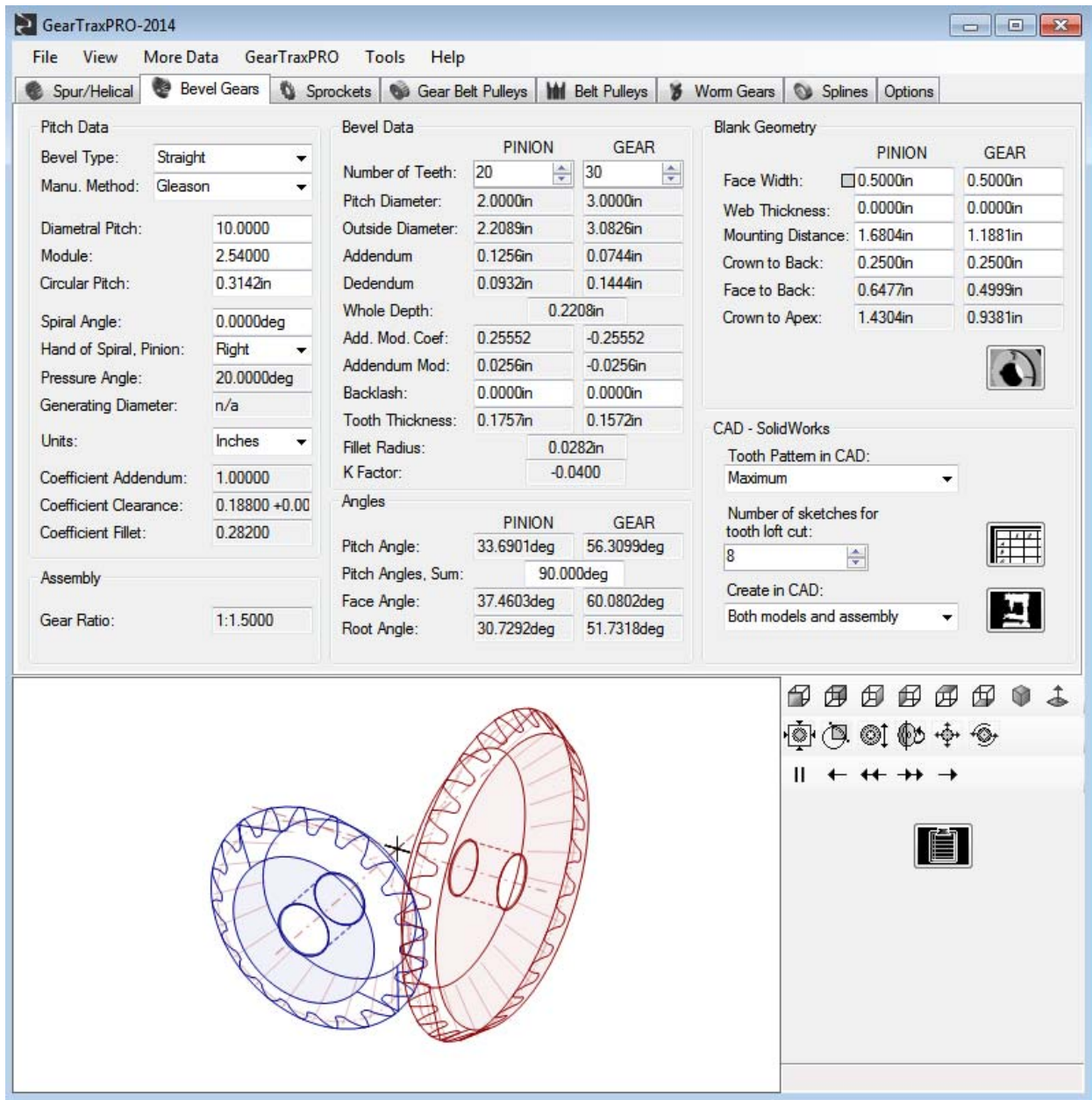
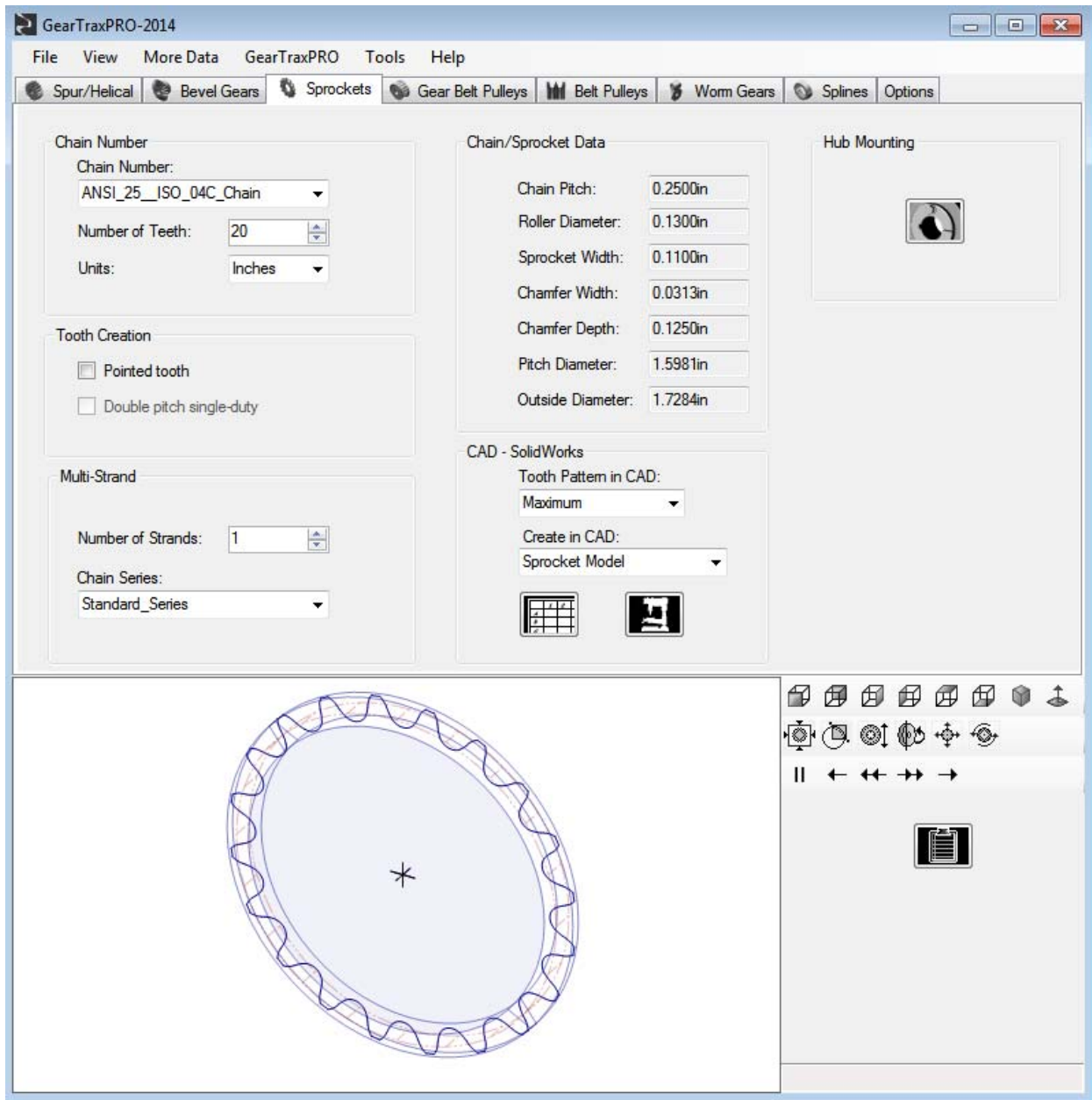


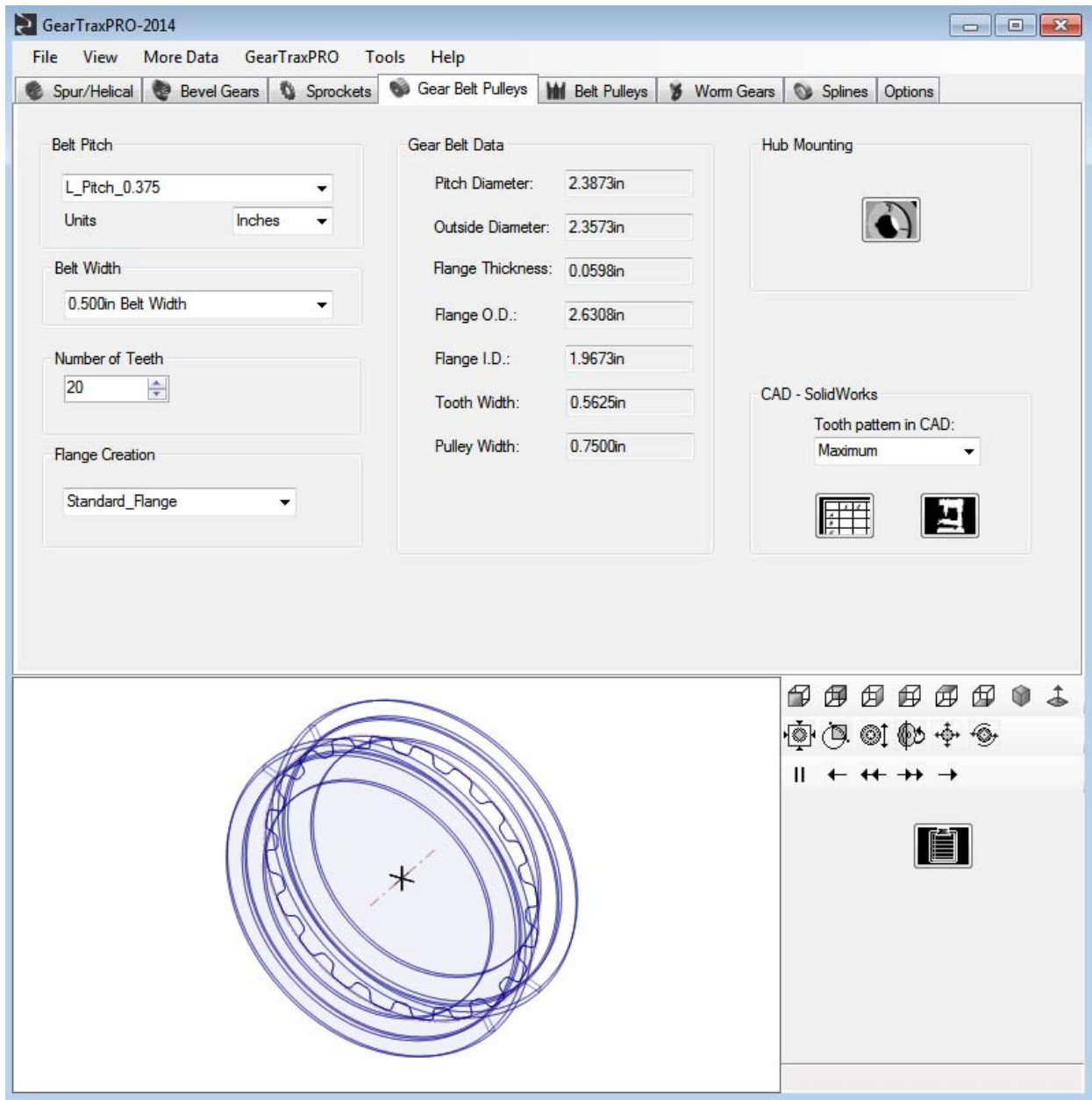
Spur/Helical Gears



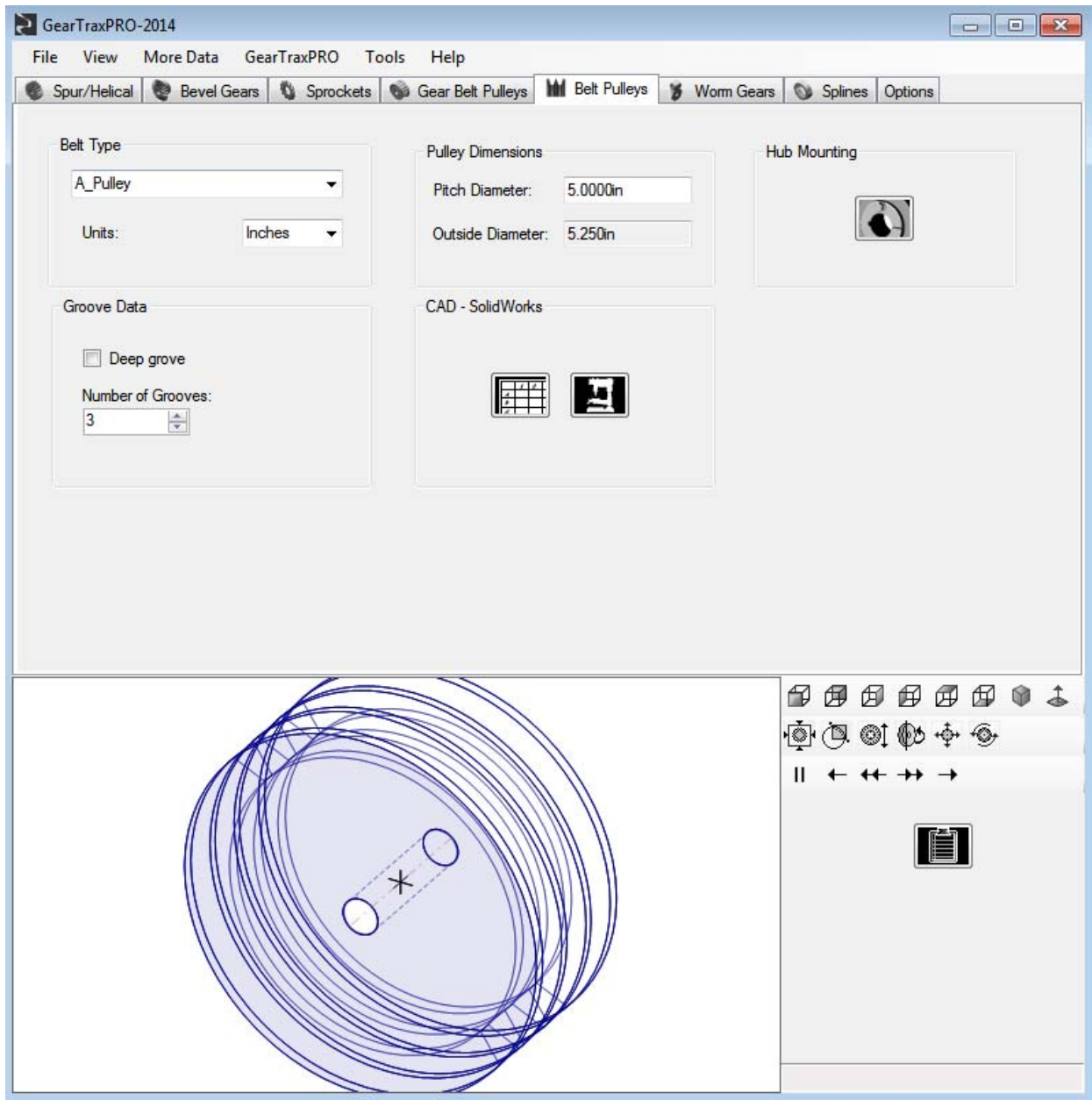
Bevel Gears



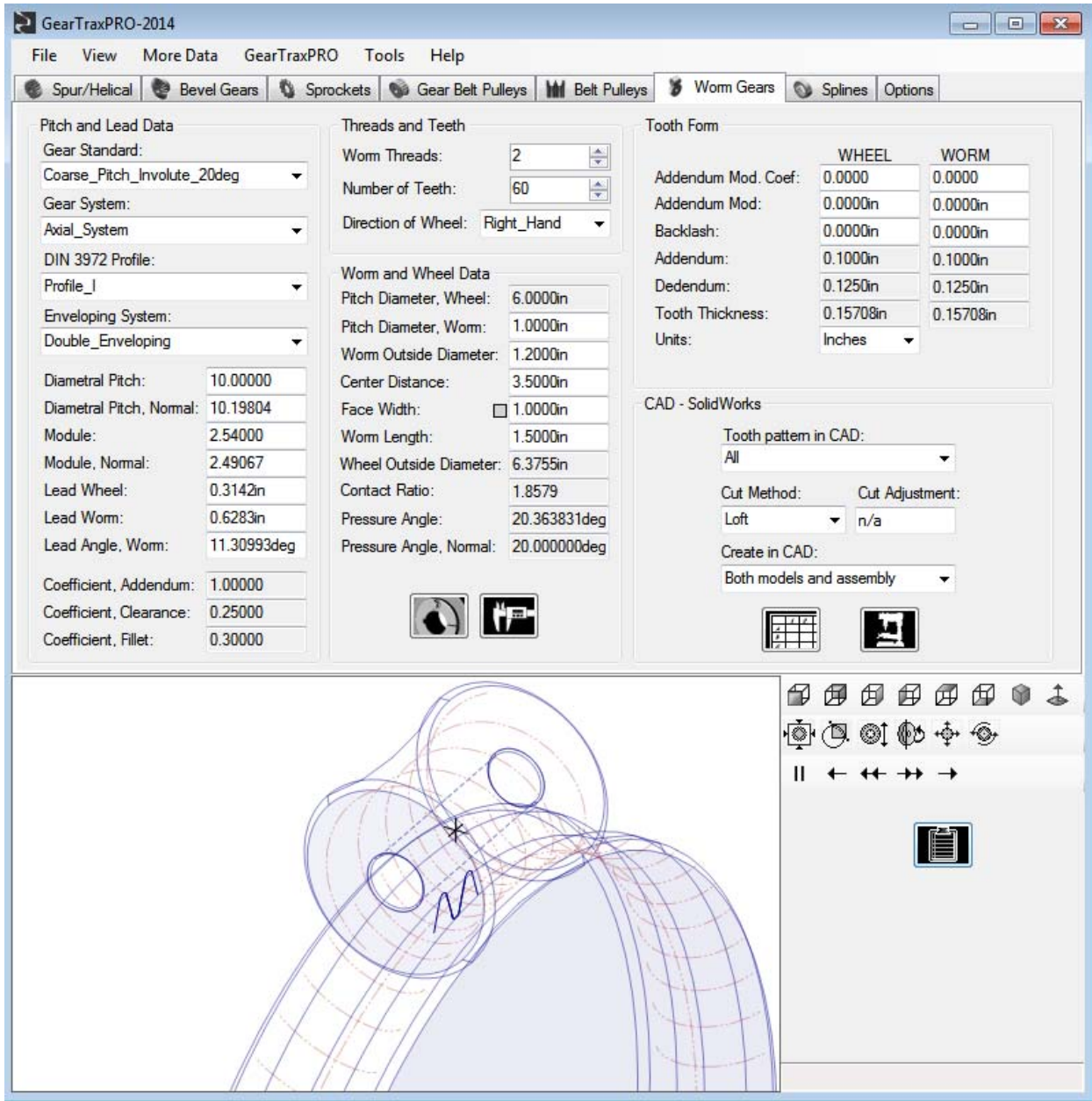
Chain Sprockets



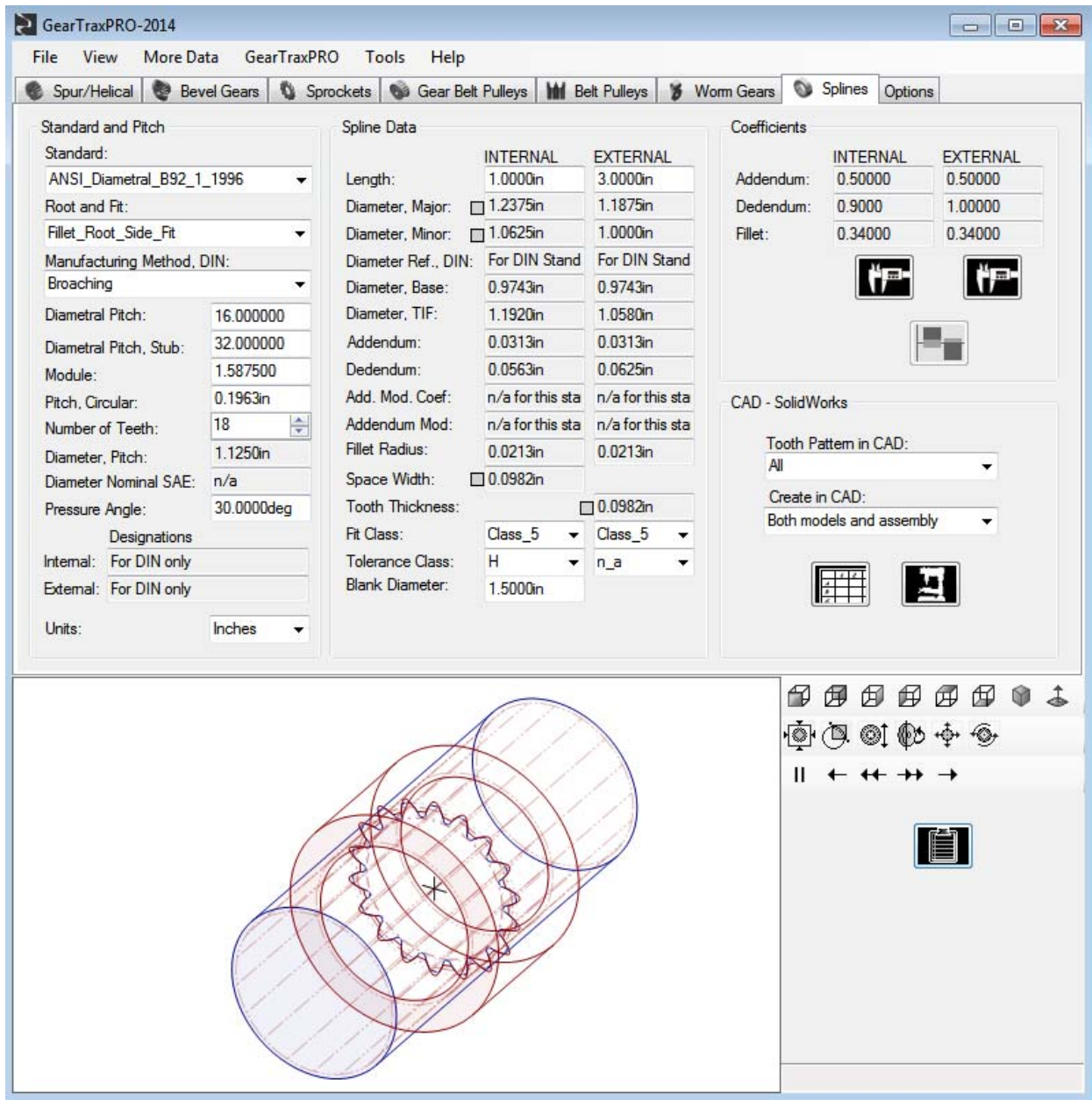
Gear Belt Pulleys



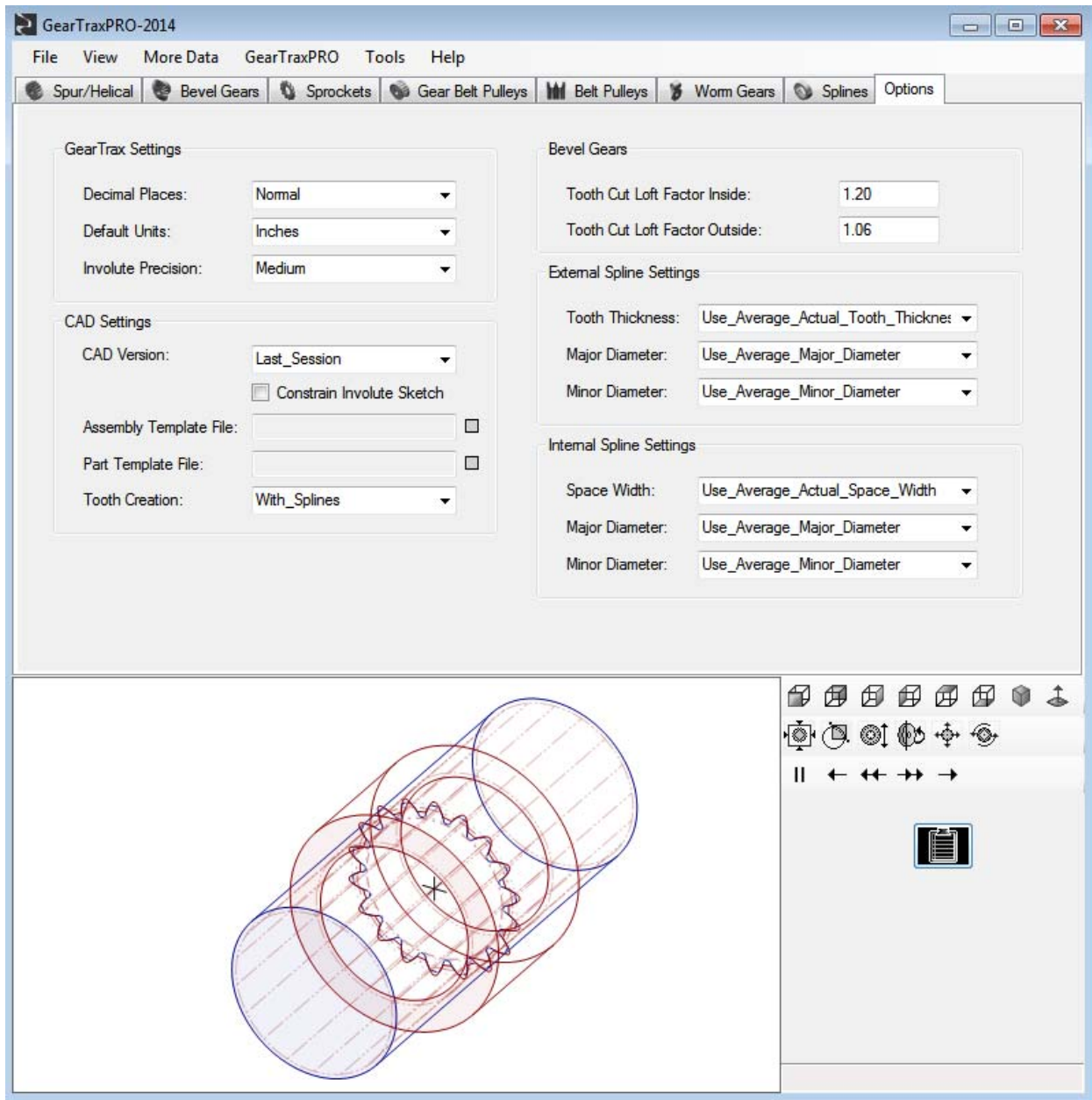
Vee Belt Pulleys



Worm Gears



Involute Splines



General Options

Tolerances ANSI/AGMA

Tolerances ANSI/AGMA

AGMA_Q7



Pinion
 Gear

ANSI/AGMA 2015-1-A01

Cumu. Pitch Deviation Tol.:	n/a
Diameter Tolerance:	n/a
Helix Form Tolerance:	n/a
Helix Slope Tolerance:	n/a
Helix Tolerance Total:	n/a
Profile Form Tolerance:	n/a
Profile Slope Tolerance:	n/a
Profile Tolerance Total:	n/a
Single Flank Comp. Tol. T2T:	n/a
Single Flank Comp. Tol. Total:	n/a
Single Flank Deviation Tol.:	n/a

ANSI/AGMA 2000-A88

Code Tooth Thickness:	A
Radial Runout:	0.00310in
Pitch Variation:	0.00099in
Profile:	0.00120in
Tooth Alignment:	0.00000in
Total Composite:	0.00540in
Tooth to Tooth Composite:	0.00220in
Tolerance Tooth Thickness:	0.15708in

Spur Gear ANSI/AGMA Tolerances

Tolerances DIN 867

Tolerances DIN 867

Pinion
 Gear



Gear Tooth Quality: none ▼

Series Allowance: none ▼

Series Tolerance: none ▼

Tooth Thickness Tolerance: 0µm

Upper Tooth Thk Allowance: 0µm

Spur Gear DIN 867 Tolerances

Operating Diameters

Operating Diameters


	PINION	GEAR
	1.8000in	2.8000in

Start of Active Profile

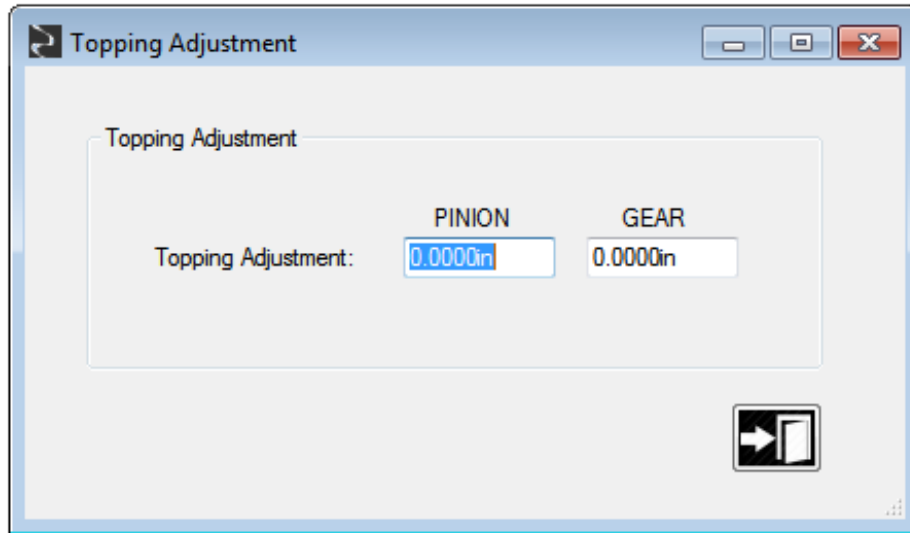
	PINION	GEAR
	1.6966in	2.6794in

Single Tooth Contact

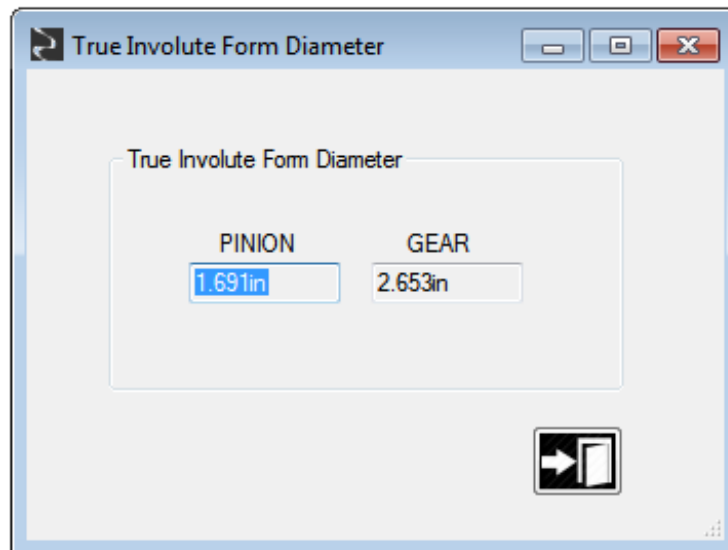
	PINION	GEAR
HPSTC:	1.8393in	2.8505in
LPSTC:	1.7574in	2.7653in



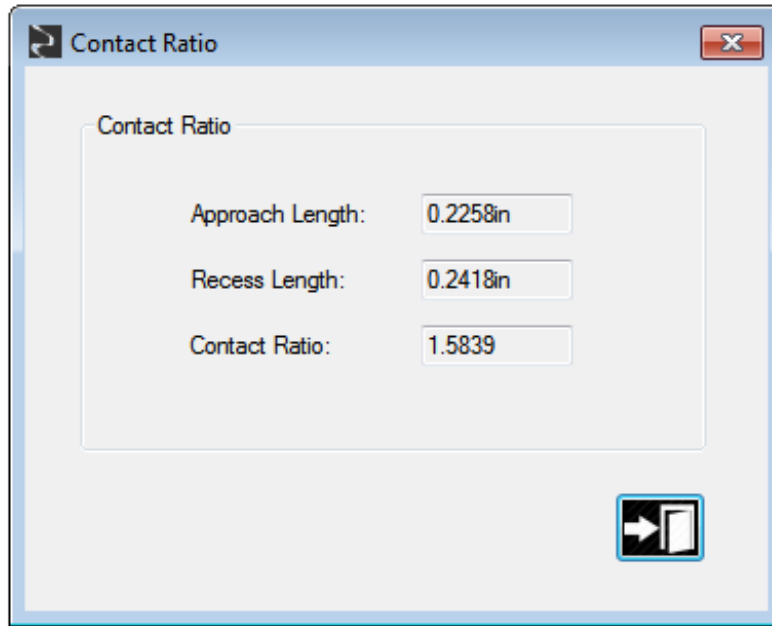
Spur Gear Operating Diameters



Spur Gear Topping Adjustment



Spur Gear True Involute Form Diameters



Spur Gear Contact Ratio


Profile Modification

Modification Above Pitch Line

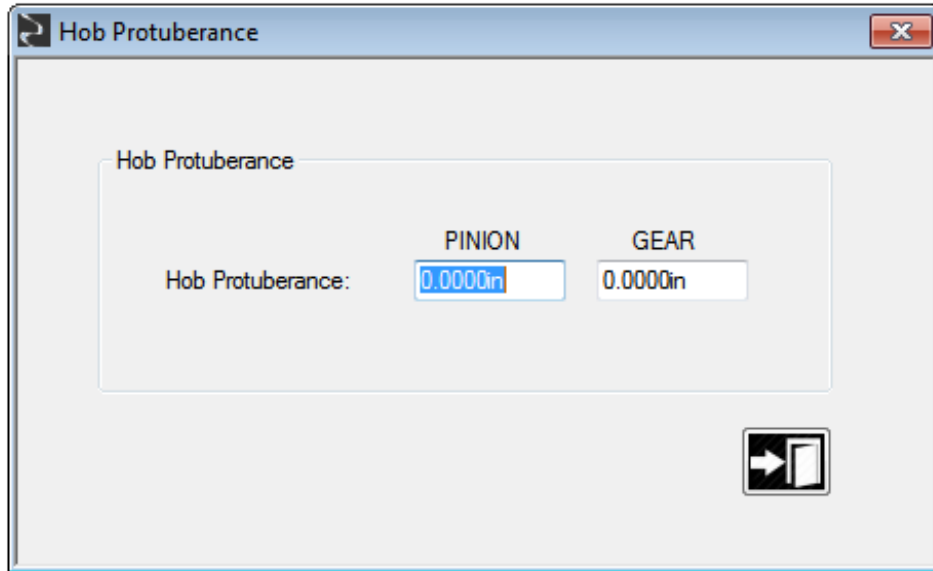
	PINION	GEAR
Type of Modification:	Linear	Parabolic
Amount of Modification:	0.0100in	0.0120in
Length of Modification:	0.1000in	0.0800in
Diameter of Modification:	1.8000in	2.8400in

Modification Below Pitch Line

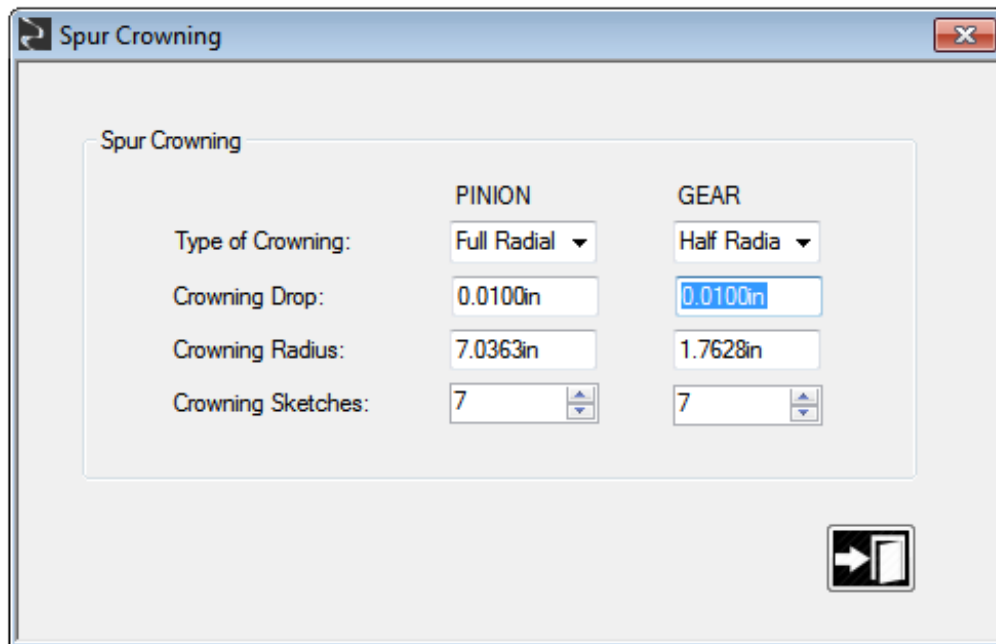
	PINION	GEAR
Type of Modification:	Linear	Parabolic
Amount of Modification:	0.0000in	0.0000in
Length of Modification:	0.0000in	0.0000in
Diameter of Modification:	1.5500in	2.5500in



Spur Gear Profile Modification



Spur Gear Hob Protuberance



Spur Gear Crowning

Hub Mounting

Bore

	PINION	GEAR
Bore Diameter:	0.5000in	0.5000in
Bore Chamfer:	0.0100in	0.0100in

1st Side Hub Data


	PINION	GEAR
1st Hub Diameter:	0.0000in	0.0000in
1st Hub Projection:	0.0000in	0.0000in
1st Hub Chamfer:	0.0000in	0.0000in

2nd Side Hub Data

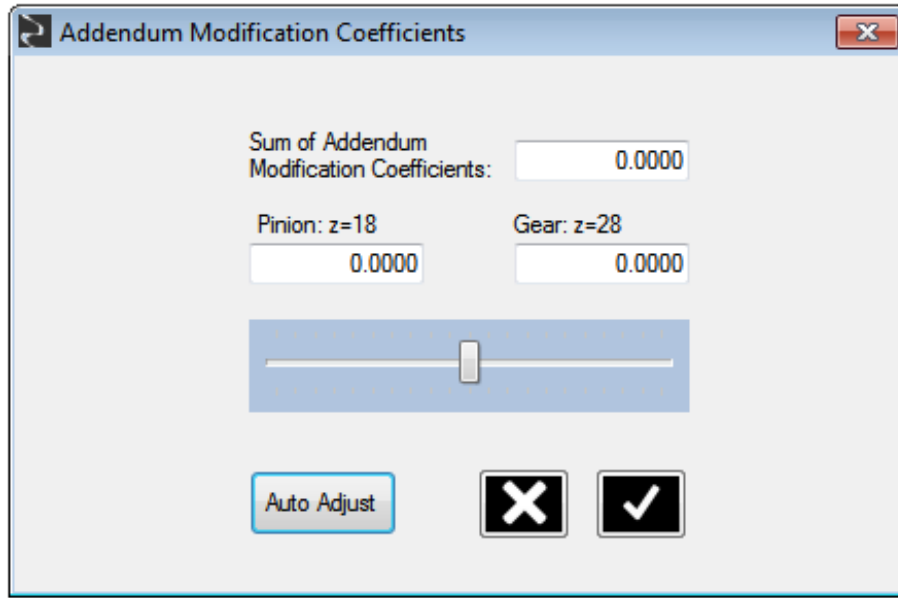
	PINION	GEAR
2nd Hub Diameter:	0.0000in	0.0000in
2nd Hub Projection:	0.0000in	0.0000in
2nd Hub Chamfer:	0.0000in	0.0000in

Keyway and Bushing Mounting

	PINION	GEAR
Keyway:	Bore_only	Bore_only
Keyway Position:	On_Space_Center	On_Space_Center
Bushing Side:	Bushing_on_1st_Sid	Bushing_on_1st_Sid
Split Taper Bushing:	None	None
	<input type="checkbox"/> Standard Set Screw	<input type="checkbox"/> Standard Set Screw




Hub Mounting




Spur Gear Addendum Modification

Spur Inspection

Measurement Over or Between Pins

	PINION	GEAR	
Pin Diameter:	0.17280in	0.17280in	
Over Pins:	2.03840in	3.04071in	
Over Pins Minimum:	2.02893in	3.03070in	

Span Measurements



	PINION	GEAR	
Teeth to Gage Over:	2	4	
Measurement:	0.4680in	1.0725in	
Measurement Minimum:	0.4641in	1.0685in	

Chordal Measurements

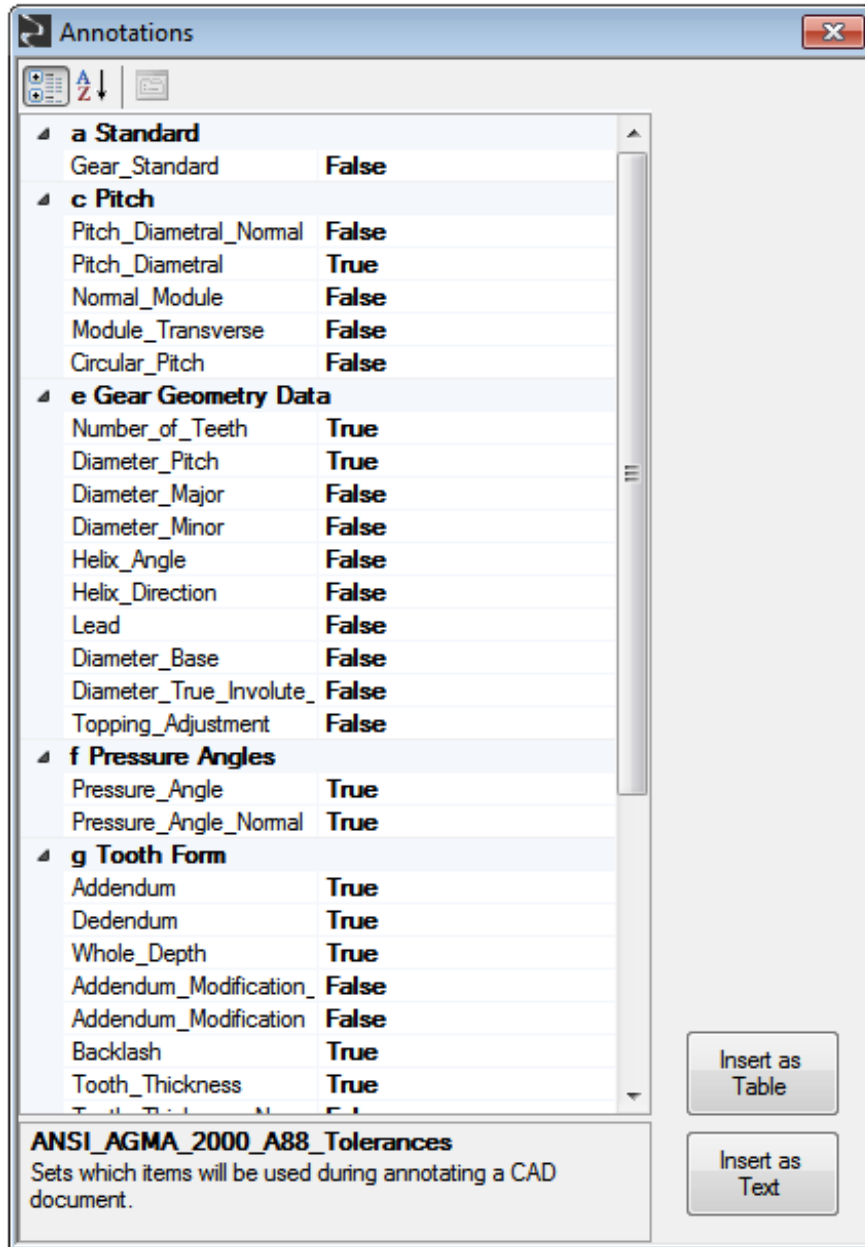
	PINION	GEAR
Reference Circle:	1.6914in	2.6533in
Tooth Height:	0.1579in	0.1757in
Thickness:	0.17252in	0.18632in
Thickness Minimum:	0.16859in	0.18235in

Master Gear Test

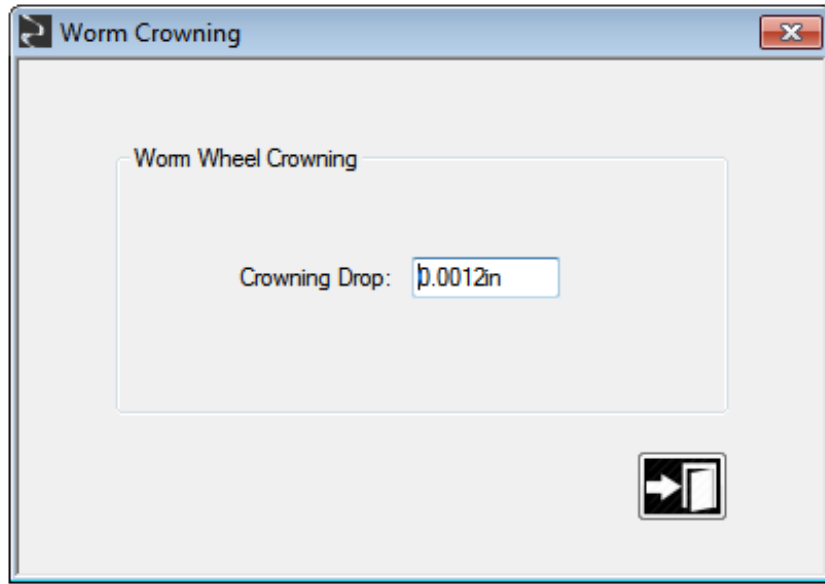
	PINION	GEAR
Master Pitch Diameter:	0.00000in	0.00000in
Test Radius:	0.00000in	0.00000in

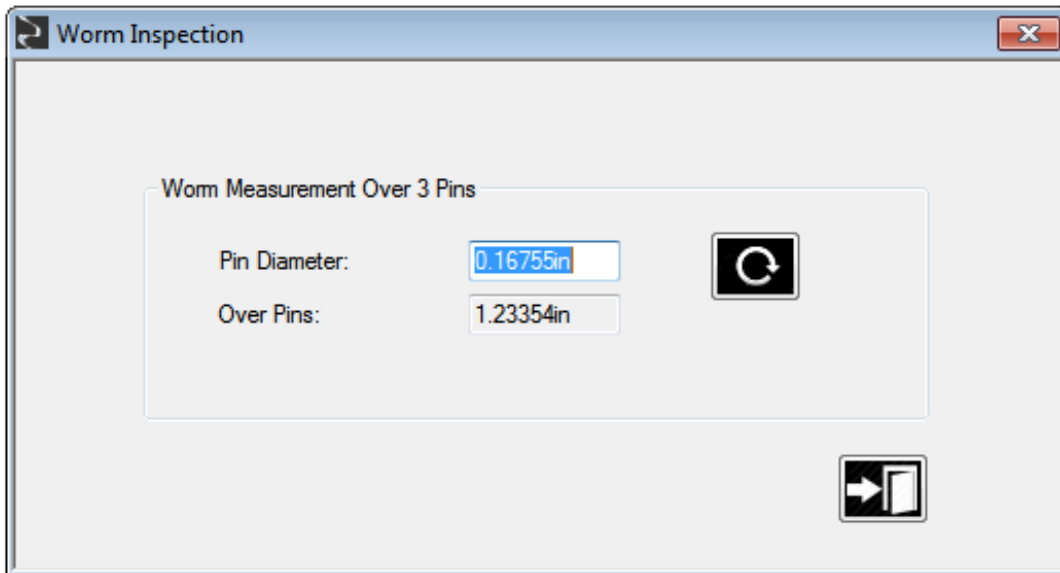
Spur Gear Inspection



Spur Gear Annotation



Worm Gear Crowning



Worm Inspection



Internal Spline Inspection

Measurement Between Pins

Pin Diameter:	3.15000mm
Actual Maximum:	26.793mm
Actual Minimum:	26.711mm
Effective Maximum:	26.657mm

Chordal Measurements

Spaces to Gage Over	4
Chordal Measurement:	18.075mm/18.109mm

Spline Inspection



External Spline Inspection

Measurement Over Pins

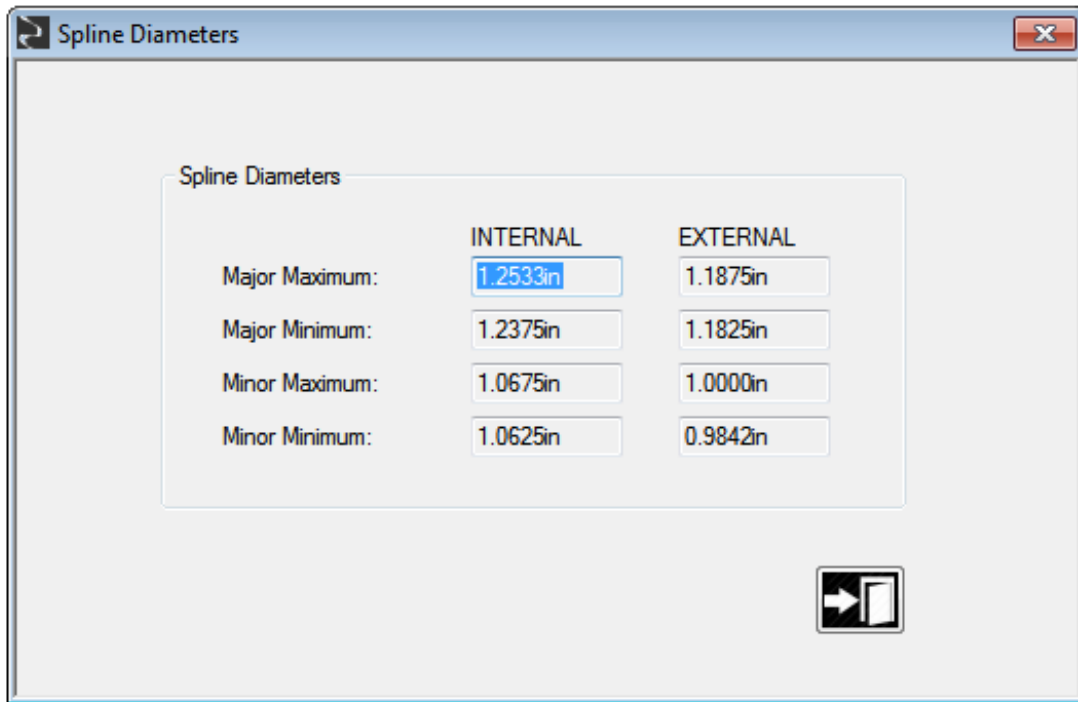
Pin Diameter:	3.75000mm
Actual Maximum:	37.696mm
Actual Minimum:	37.641mm
Effective Maximum:	37.733mm

Chordal Measurements

Teeth to Gage Over	4
Chordal Measurement:	18.109mm/18.075mm

Spline Inspection



Spline Diameters


Space Width and Tooth Thickness

Internal Space Width

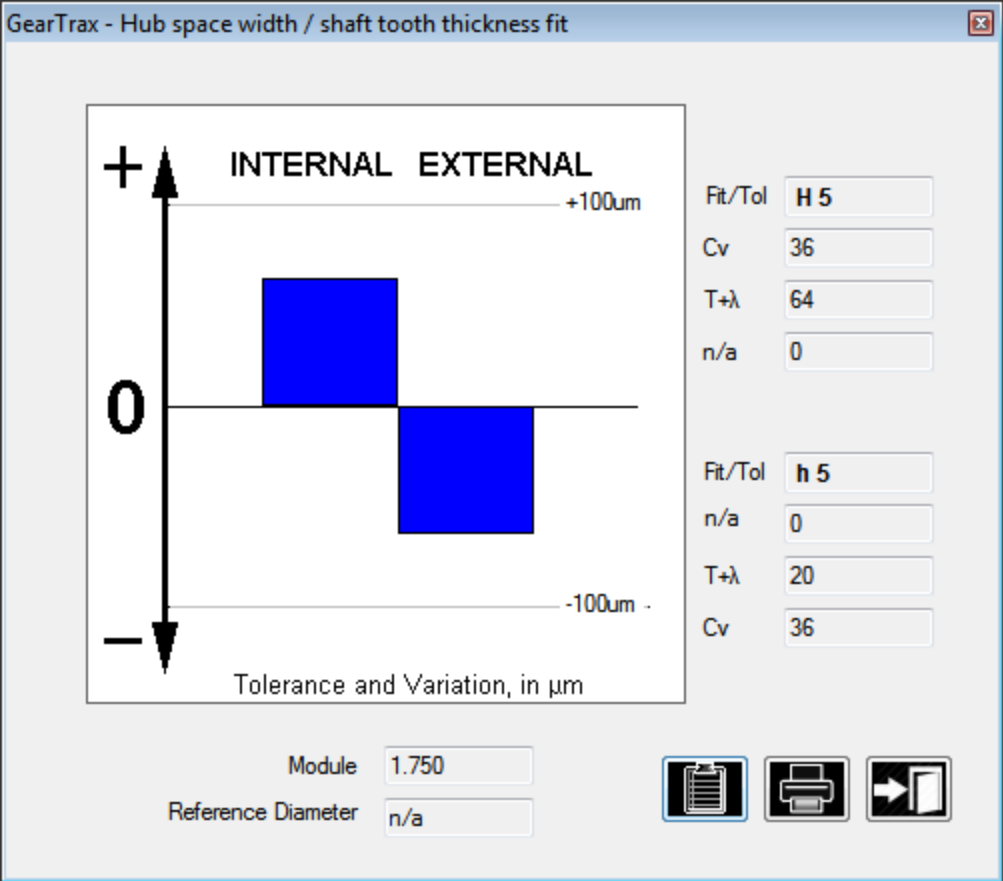
Basic:	0.0982in
Actual Maximum:	0.1009in
Actual Minimum:	0.0997in
Effective Maximum:	0.0994in
Effective Minimum:	0.0982in

External Tooth Thickness

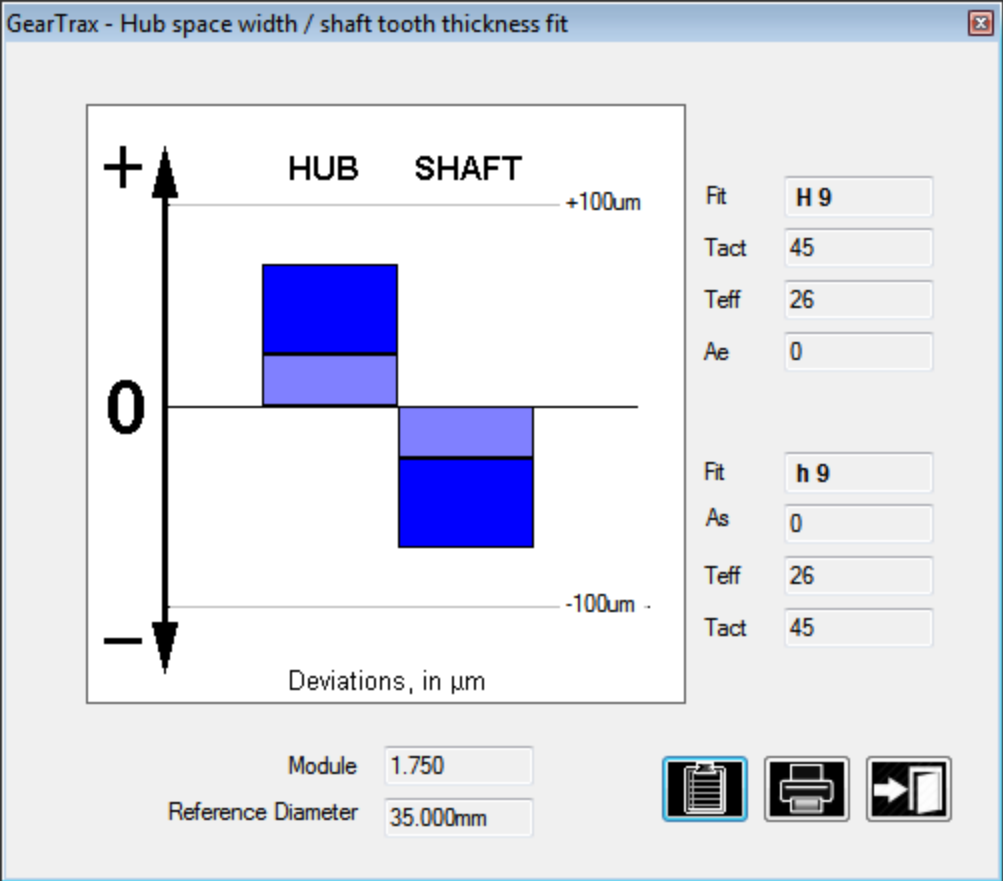
Basic:	0.0982in
Actual Maximum:	0.0967in
Actual Minimum:	0.0954in
Effective Maximum:	0.0982in
Effective Minimum:	0.0969in



Spline Space Width and Tooth Thickness



Spline Deviations (ANSI Module)



Spline Deviations (DIN)