revised: 2019/04/18

TOP SEAR COMPATIBILITY CHART

DISTANCE FROM BOTTOM OF DOWEL PIN TO BOTTOM OF COCKING PIECE (IN)	0.150	0.154	0.157	0.161	0.165	0.169	0.173	0.177	0.181	0.185	0.189	0.193	0.197	.201	0.205	0.209
LOW (3.6MM SEAR)	0.049	**0.051**	**0.047**	**0.043**	**0.039**	**0.035**	**0.035**	**0.028**	**0.024**	0.020	0.016	0.012	0.008	0.004	0.000	0.000
MEDIUM (3.8MM SEAR)	0.063	0.059	0.055	**0.051**	**0.047**	**0.043**	**0.039**	**0.035**	**0.031**	**0.028**	**0.028**	0.020	0.016	0.012	0.008	0.004
HIGH (4.0MM SEAR)	0.071	0.067	0.063	0.059	0.055	**0.051**	**0.047**	**0.043**	**0.039**	**0.035**	**0.035**	**0.028**	**0.024**	0.020	0.016	0.012

The above measurements are for all Remington 700 style Bix'n Andy trigger models. These values represent the area of engagement between your trigger sear and cocking piece in inches.

- The yellow zone will likely compromise accuracy due to too much sear engagement
- The red zone will likely result in misfire due to too little sear engagement
- The white zone is your optimal area of sear engagment

HOW TO USE THE CHART ABOVE

We need to take a measurement of the distance between the bottom of the trigger's dowel pin and the first point of contact on the cocking piece. Begin with just your action making sure that you do not have the trigger installed or the action bedded in the rifle stock.

1. Without installing the trigger, just insert the trigger's dowel pin into the action.

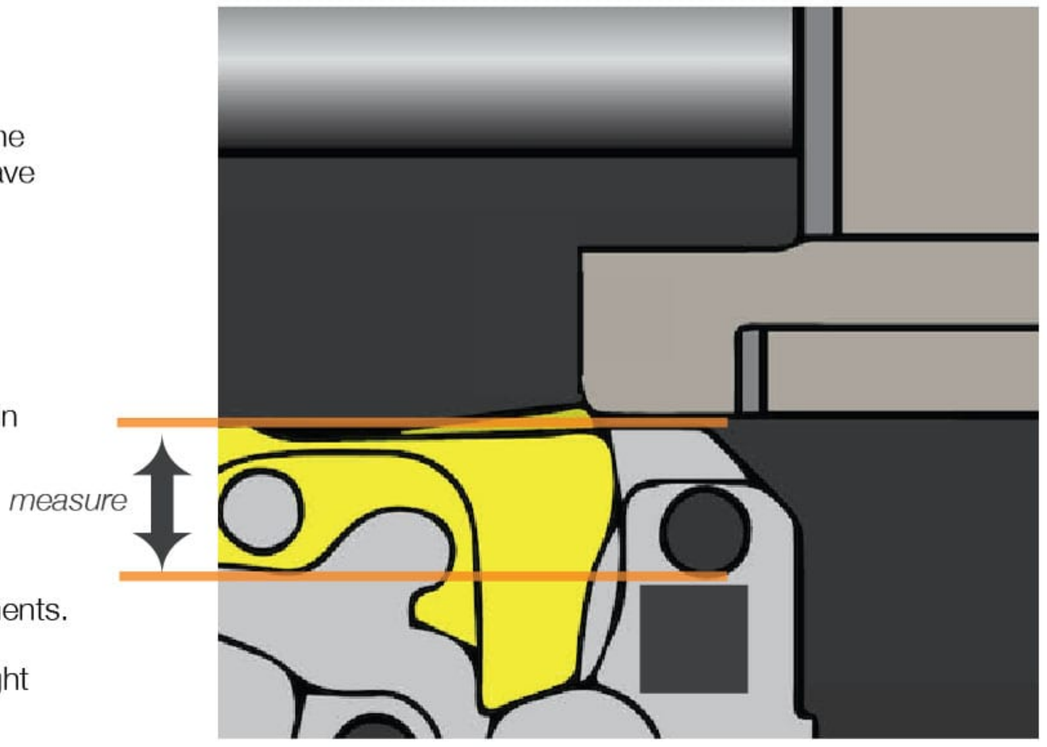
2. Insert your bolt into the action and close it.

3. Using the depth micrometer end of a high precision caliper, rest the caliper up against the dowel pin and measure the distance the depth micrometer travels before it makes contact with the lowest part of the cocking piece.

   ***Make sure that the caliper is held as close to 90 degrees as possible while measuring.**

4. Repeat Step 3 a few times to determine a consistent value and find the average of your measurements.

5. Use your obtained average to reference the top row of the chart. You can then choose a sear height (low, medium, or high) that gives you an area of sear engagement that falls within the white area of the table above.



For example, if you get a measurement of 0.185" a medium or high sear would be the most effective sear for your trigger. Using a low sear would be unsuitable as this may potentially result in misfire.