

	Torque Arm	Applied Force	Torque
Sear Normal Force	0.04	-13.2818	-0.53127
Sear Frictional Component	1.0368	-2.65636	-2.75411
Trigger Spring Force	0.43899	-4.8618	-2.13428
			-5.41967
Trigger Pull Torque	0.869		5.419668

Frictional Coefficient = 0.2

Maximum firing pin head engagement

	Torque Arm	Applied Force	Torque
Sear Normal Force	0.04	-11.758	-0.47032
Sear Frictional Component	1.0368	-2.3516	-2.43814
Trigger Spring Force	0.43899	-4.8622	-2.13446
			-5.04292
Trigger Pull Torque	0.869		5.042916

Frictional Coefficient = 0.2

Minimum firing pin head engagement

	Torque Arm	Applied Force	Torque
Sear Normal Force	0.04	-13.8171	-0.55268
Sear Frictional Component	1.0368	-2.76342	-2.86511
Trigger Spring Force	0.43899	-4.8617	-2.13424
			-5.55204
Trigger Pull Torque	0.869		5.552036

Frictional Coefficient = 0.2

Everything rotated 1 degree about the sear pivot.
The firing pin head remained in its original position.
Maximum sear-fphead engagement allowed.

	Torque Arm	Applied Force	Torque
Sear Normal Force	0.04	-14.8288	-0.59315
Sear Frictional Component	1.0368	-2.96576	-3.0749
Trigger Spring Force	0.43899	-4.8614	-2.13411
			-5.80216
Trigger Pull Torque	0.869		5.802158

Frictional Coefficient = 0.2

Everything rotated 5 degrees about the sear pivot.
The firing pin head remained in its original position.
Maximum sear-fphead engagement allowed.