

Bullet Index: 454-290	Nose Profile: RF	Designer: RDO	Load Notes For: 45 Colt	Bullet Notes: Marlin 1894S chambered in 45 Colt. Can be sized to .452" for other applications. Uses .458 rifle gas check.
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Pressure Data Generated for Min OAL	Cartridge Data							Bullet Data										
	Brass Length		Cartridge OAL		Primer	Pressure Limits		Top Band	Wgt (grns)		Length w/draft		Nose		Ballistics		Gas Check #	
	Min	Max	Min	Max	Large	NMP	Pmax		GC	PB	GC	PB	length	Draft	BC	SD	Gator	Hornady
	1.280	1.285	1.594	1.636	Pistol	12.5	14.0	.454	293	284	.726	.709	.305	.009	.194	.194	454426	7140

This data is based on a 5" barrel. Pressure does not change, only velocity!						
Barrel Length (inches)	2.5	5	7.5	10	16	20
Velocity Adjustment (%) Estimate	47%	66%	75%	81%	90%	97%

Load Notes: Seat .458 gas check on shank by passing base of bullet through Lee type sizer.
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Date:	04/06/15

Notes for NOE's and RDO's use only! ~ Any other use is at your own risk! ~ Start loads at least 10% below Max!

[Read Pressure Notes for alloy treatment and pressure selections!](#)

Minimum Barrel Length is based on the referenced powder's ability to burn at least 80% of the charge before the bullet leaves the muzzle.

Powder	Min Barrel Length	12.5k NMP/14.0k Pmax				
		Length	Grains	Case %	Burn %	FPS
Alliant 2400	20	12.9	59	82	1152	12.5
Alliant BLUE DOT	10	10.9	58	89	1123	12.5
Hodgdon Lil'Gun	20	17.3	72	83	1254	12.5
IMR TrailBoss	2.5	6.3	81	100	875	12.5
Ramshot Enforcer	16	14.5	61	84	1190	12.5
Vihtavuori 3N38	7.5	10.4	55	94	1108	12.5
Vihtavuori N105	5	11.2	62	98	1184	12.5
Vihtavuori N110	20	15.2	78	83	1204	12.5