



## Firearms components

### Superior manufacturing with near-net-shaped machining blanks

The impact process offers many advantages over other metal-forming processes, but the two most impactful are lower costs and accelerated production. Many components that are typically fully machined can be produced more cost-effectively by first creating a near-net shape through our impact extrusion process. In addition, impacting naturally work-hardens non-heat-treatable alloys.



#### Features

- Reduces material requirements
- Reduces machining time 50%
- Minimizes tooling time, cost
- Highly uniform grain alignment
- Stronger, denser components



Learn more at:  
[thunderbird-metals.com](https://thunderbird-metals.com)

[performance under pressure]

# Firearms components

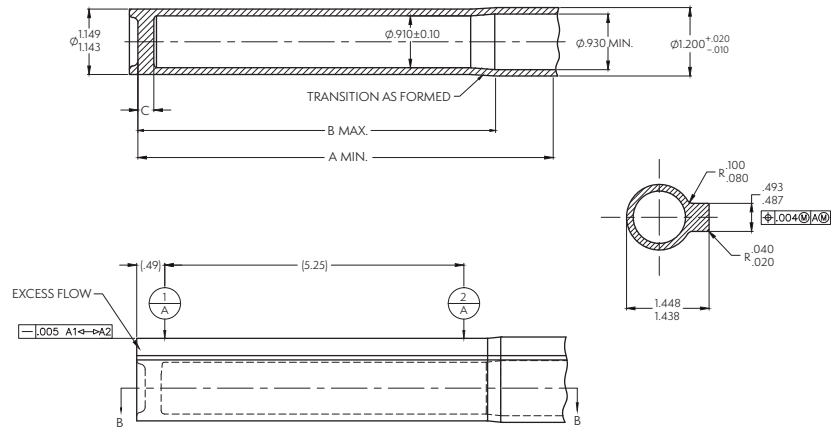
## Receiver extensions (buffer tubes)

- Ribbed geometries for AR- and M4-style rifles
- Round geometries for A2 rifles, pistol rifles, and other firearm styles
- Standard configurations up to 9" in length
- 6000 and 7000 series aluminum alloys (T6 condition)



## Specifications

PART NO.	A min	B max	C	Alloy
P1693	7.29	6.28	0.28	6061
P1696	7.29	6.28	0.28	6262
P1708	8.10	7.03	0.28	7075
P1725	6.29	5.28	0.28	7075
P1730	8.85	6.75	0.28	7075
P1736	7.73	6.28	0.28	7075
P1793	7.29	6.28	0.28	7075
P1856	8.32	6.28	0.28	7075
P1859	8.10	7.03	0.28	6061
P1864	8.85	7.03	0.28	6061
P1942	5.97	5.31	0.39	7075



## Shotgun receivers

- Near-net-shape receiver cavity
- Porosity-free material with high tensile and yield strength
- No fire cracks or parting lines
- 2000 and 7000 series aluminum alloys (T6 condition)

## Scopes for tactical weapons, shotguns, and sporting rifles

- Near-net shapes for objective tube, ball and tube, and main-tube designs
- Tight tolerance thin-walled tubes
- Diameters from 1" to 3"
- 6000 series aluminum alloy in (T6 condition)