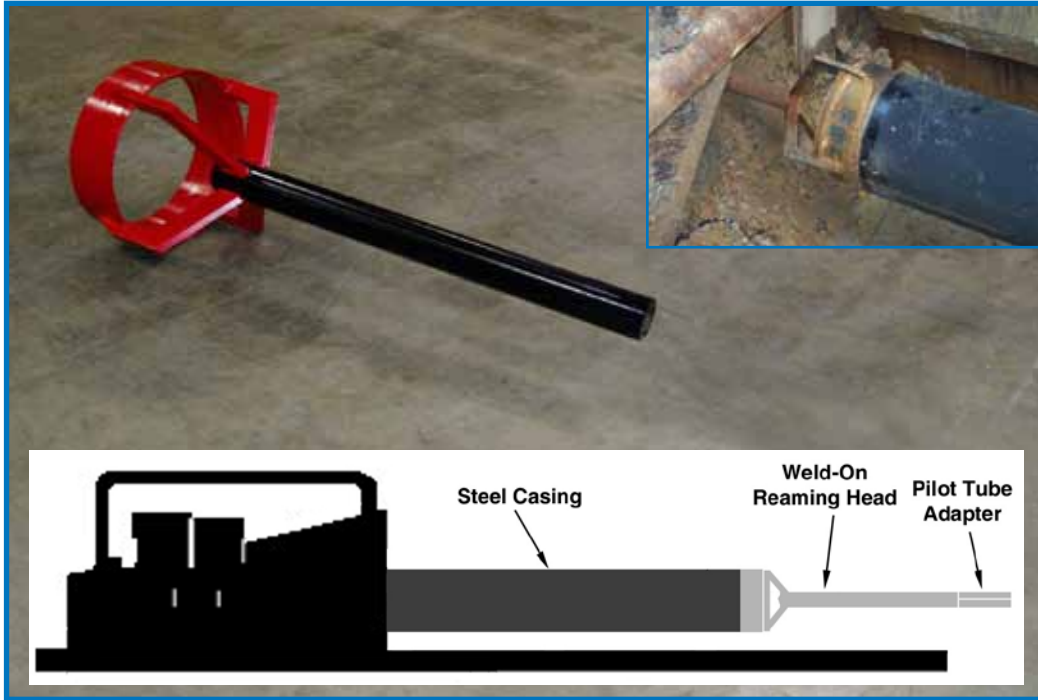


Upsize Tooling - Weld-On Reaming Head



Single Stage Sizes: 12", 14", 16", 18", 20", 22", 24", 28", 30" and 36"

- **Upsizing Tool Designed For Auger Boring Machine** •
- **Reaming Head Sized To Match Steel Casing Diameter** •



FEATURES

- The weld-on reaming head is the upsizing tool between the pilot tube adapter/10' pilot tube section and the steel casings (customer supplied), allowing the spoils to be removed from the pipeline via auger boring machine.
- Structure designed to withstand jacking forces applied by auger boring machine.
- Reaming head contains a 1.5" overcut of the casing OD.
- The reaming arms are designed to be flush with the ID of the steel casing so the auger/cutter bit can be positioned for ease of spoil removal.

SPECIFICATIONS

Assembly Length

- 22" & Below Up to 75 in. (1,905 mm)
- 24" & Above Up to 116 in. (2,946 mm)

Reaming Head Weight (approximate)

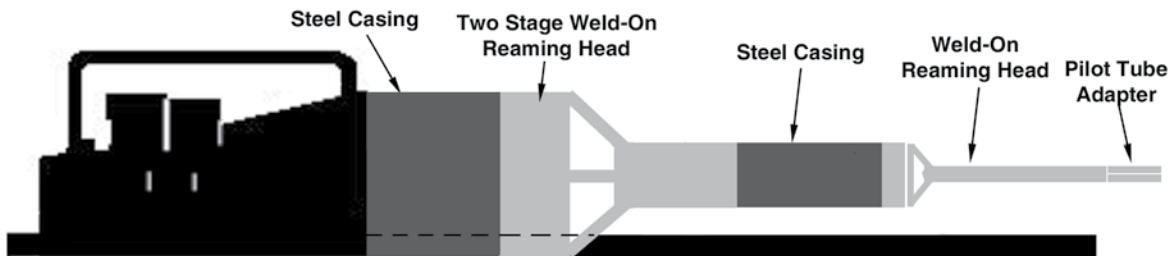
12"	405 lbs. (184 kg)	22"	476 lbs. (216 kg)
14"	420 lbs. (191 kg)	24"	490 lbs. (222 kg)
16"	440 lbs. (200 kg)	28"	530 lbs. (240 kg)
18"	452 lbs. (205 kg)	30"	550 lbs. (249 kg)
20"	465 lbs. (211 kg)	36"	1600 lbs. (726 kg)

Upsize Tooling - Weld-On Reaming Head



**Two Stage Sizes: 24 to 42", 24 to 48", 24 to 54", 24 to 60", 30 to 54",
30 to 60", 30 to 66", 30 to 72", & 36" to 72"**

- **Upsizing Tool Designed For Auger Boring Machine •**
- **Reaming Head Sized To Match Steel Casing Diameter •**



FEATURES

- The two stage weld-on reaming head is the upsizing tool between the single stage weld-on reaming head and steel casings (customer supplied), allowing the spoils to be removed from the pipeline via auger boring machine.
- Structure designed to withstand jacking forces applied by auger boring machine.
- Reaming head contains a 1.5" overcut of the casing OD.
- The reaming arms are designed to be flush with the ID of the steel casing so the auger/cutter bit can be positioned for ease of spoil removal.

SPECIFICATIONS

Assembly Length Varies per head

Reaming Head Weight (approximate)

24 to 42".....	1,488 lbs. (675 kg)	30 to 54".....	2,034 lbs. (923 kg)
24 to 48".....	1,763 lbs. (800 kg)	30 to 60".....	2,126 lbs. (964 kg)
24 to 54".....	1,858 lbs. (843 kg)	30 to 66".....	2,270 lbs. (1,030 kg)
24 to 60".....	2,100 lbs. (953 kg)	30 to 72".....	2,414 lbs. (1,095 kg)
		36 to 72".....	2,700 lbs. (1,225 kg)