



US00D973107S

(12) **United States Design Patent** (10) **Patent No.:** **US D973,107 S**
Song et al. (45) **Date of Patent:** **** Dec. 20, 2022**

(54) **PART FOR EXCAVATOR BUCKET** 7,162,818 B2 * 1/2007 Ruvang E02F 9/2841
37/456

(71) Applicant: **SUNGBO INDUSTRIAL CO., LTD.,** D614,476 S * 4/2010 Buhse D8/343
Incheon (KR) D634,605 S * 3/2011 Guimaraes D8/343
D644,249 S * 8/2011 Tapper D15/5
8,904,677 B2 * 12/2014 Cui E02F 9/2833
37/456

(72) Inventors: **Keun Chul Song**, Seoul (KR); **Dae** 8,997,384 B2 * 4/2015 Bartolome Rodriguez
Hyun Ryu, Incheon (KR); **Hyun Soo** E02F 9/2833
Lee, Incheon (KR); **Chang Woo Lim**, Incheon (KR) 37/456

(73) Assignee: **SUNGBO INDUSTRIAL CO., LTD.,** 9,085,876 B2 * 7/2015 Swinscoe E02F 9/2833
Incheon (KR) D736,267 S * 8/2015 Parks D15/28
RE45,710 E * 10/2015 Guimaraes D8/343
D743,446 S * 11/2015 Jones D15/21
D754,756 S * 4/2016 Jones D15/21
D770,540 S * 11/2016 Parks D15/28
D812,108 S * 3/2018 Jones D15/21
10,190,290 B2 * 1/2019 Gandy E02F 9/2841
2008/0209772 A1 * 9/2008 Cui E02F 9/2841
37/456

(**) Term: **15 Years**

(21) Appl. No.: **29/787,199**

(22) Filed: **Jun. 4, 2021**

(30) **Foreign Application Priority Data**

Dec. 4, 2020 (KR) 30-2020-0059854

(51) **LOC (13) Cl.** **15-03**

(52) **U.S. Cl.**
USPC **D15/28**

(58) **Field of Classification Search**
USPC D15/11, 28, 29; 37/456, 452, 450, 446,
37/454, 449, 453, 455, 903; 403/379.5,
403/DIG. 1; 111/152; 172/724, 730,
172/766, 770, 771, 721, 713, 699, 772
CPC Y10T 29/49826; Y10T 29/49947; Y10T
403/589; Y10T 403/7018; Y10T
403/7075; Y10T 403/587; E02F 9/28;
E02F 9/2825; E02F 9/2833; E02F 9/2866;
E02F 9/2858; E02F 9/2808; E02F 9/2841;
F16B 19/02; F16B 37/00; F16B 21/02;
Y10S 411/967

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D291,087 S * 7/1987 Salmi D15/138
5,992,063 A * 11/1999 Mack E02F 9/2833
37/456

(Continued)

Primary Examiner — Mark A Goodwin
(74) *Attorney, Agent, or Firm* — Novick, Kim & Lee
PLLC; Jae Youn Kim

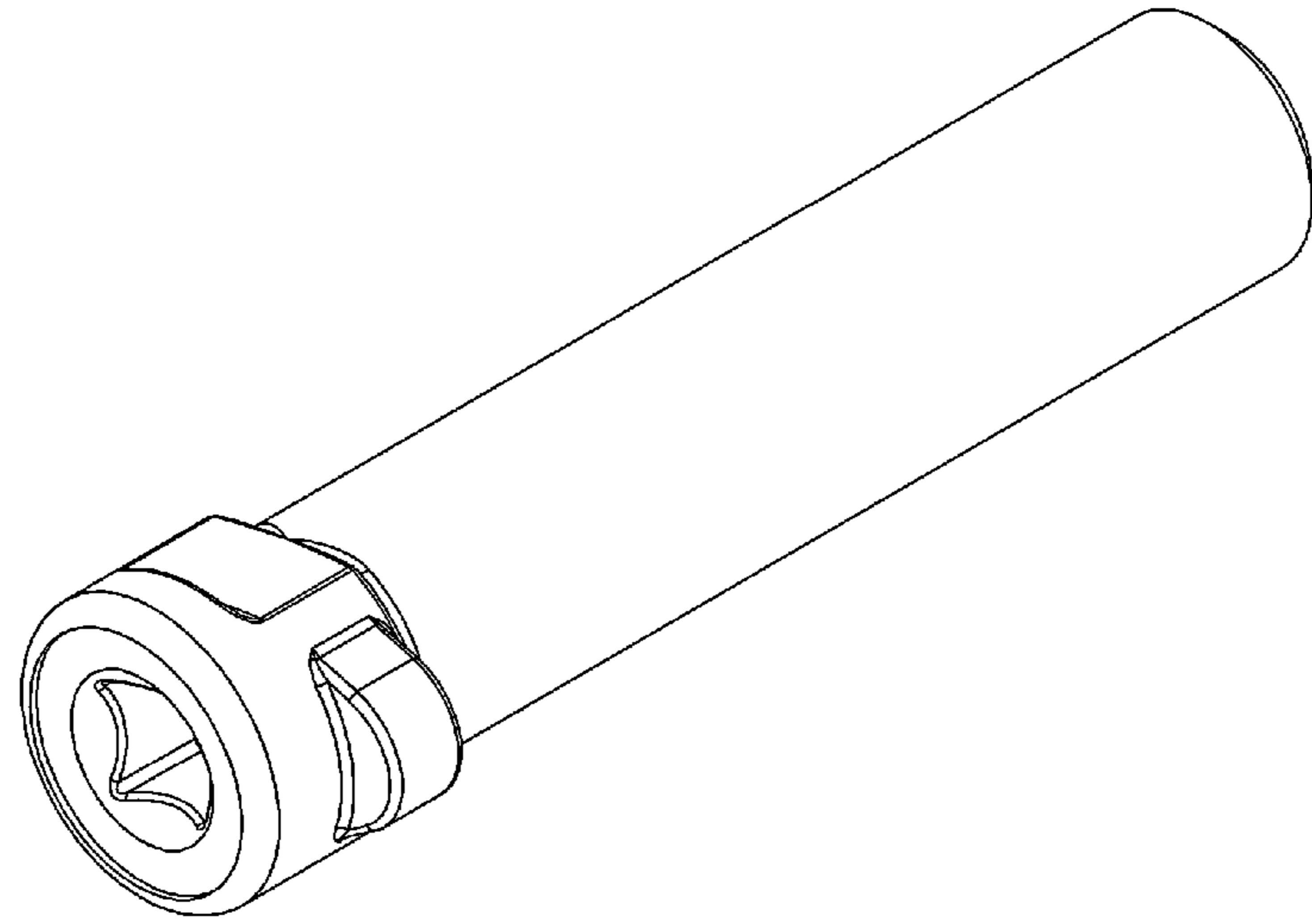
(57) **CLAIM**

We claim the ornamental design for a part for excavator bucket, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a part for excavator bucket, showing our new design.
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side elevational view thereof;
FIG. 5 is a right side elevational view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2009/0205228 A1* 8/2009 Ruvang E02F 9/2833
37/456
2010/0162595 A1* 7/2010 Leslie E02F 9/2841
37/456
2010/0170119 A1* 7/2010 Lopez Almendros
E02F 9/2825
37/456
2010/0229433 A1* 9/2010 Leslie E02F 9/2841
37/456
2017/0079219 A1* 3/2017 Stanley B02C 18/184

* cited by examiner

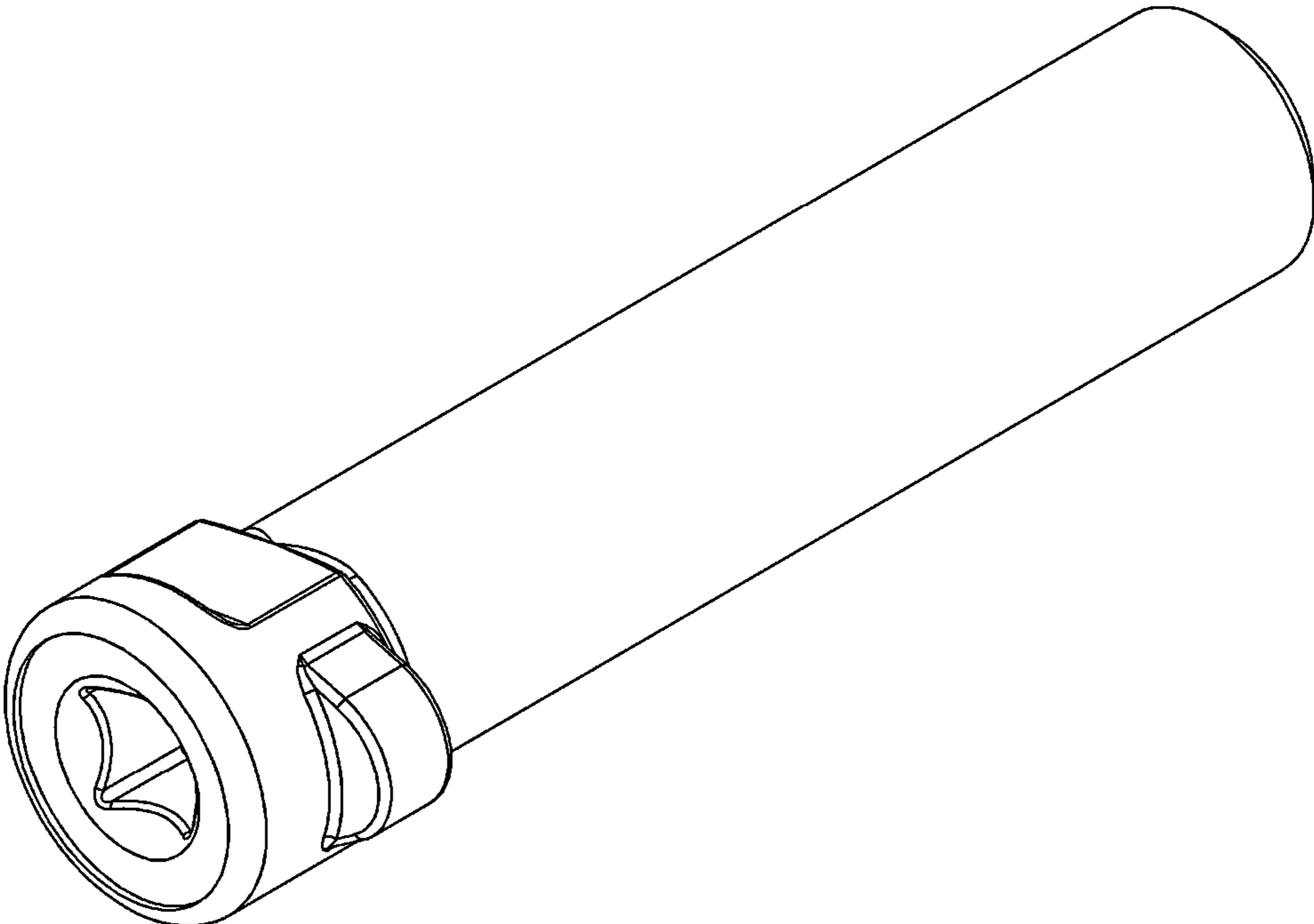


FIG. 1

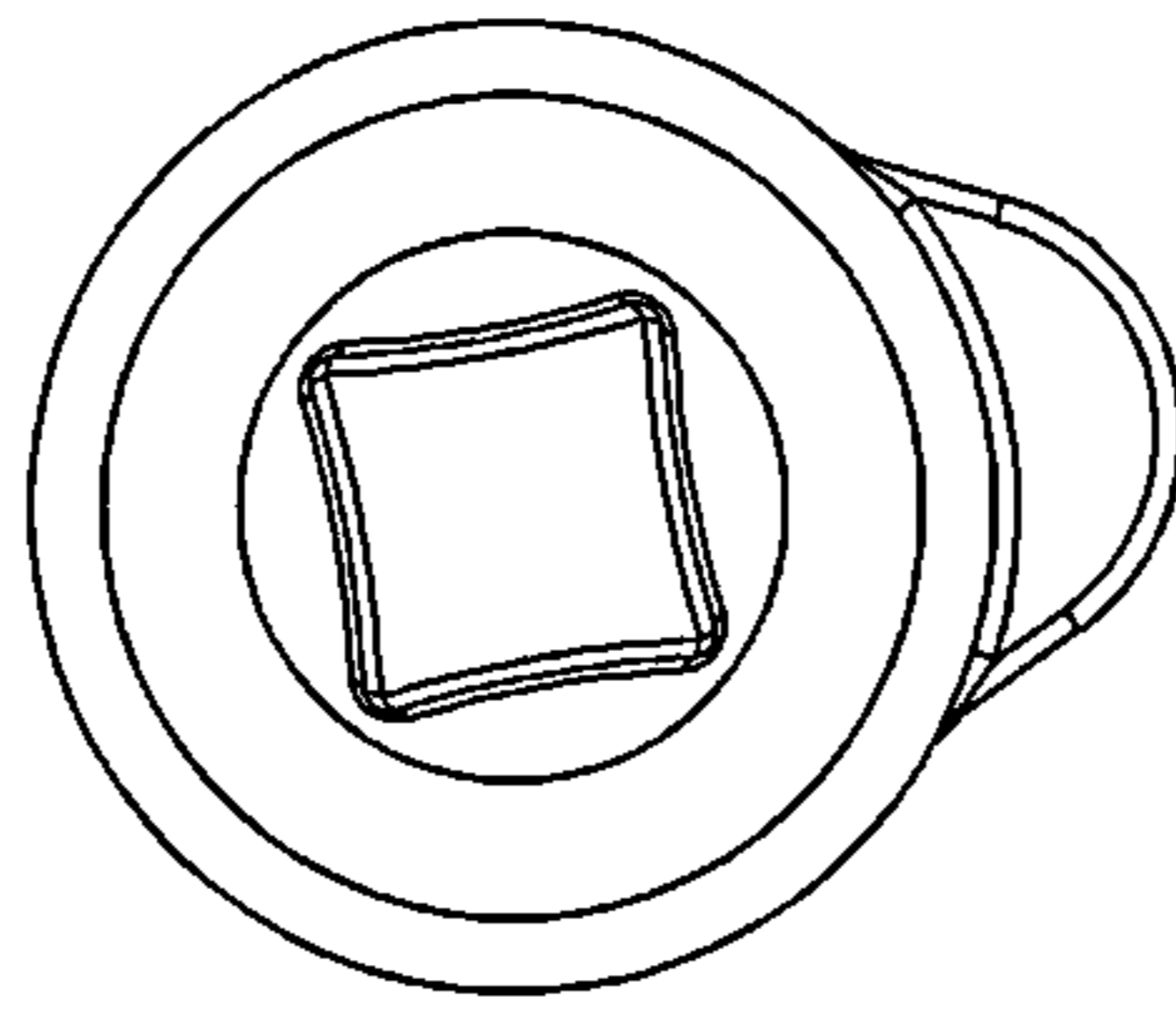


FIG. 2

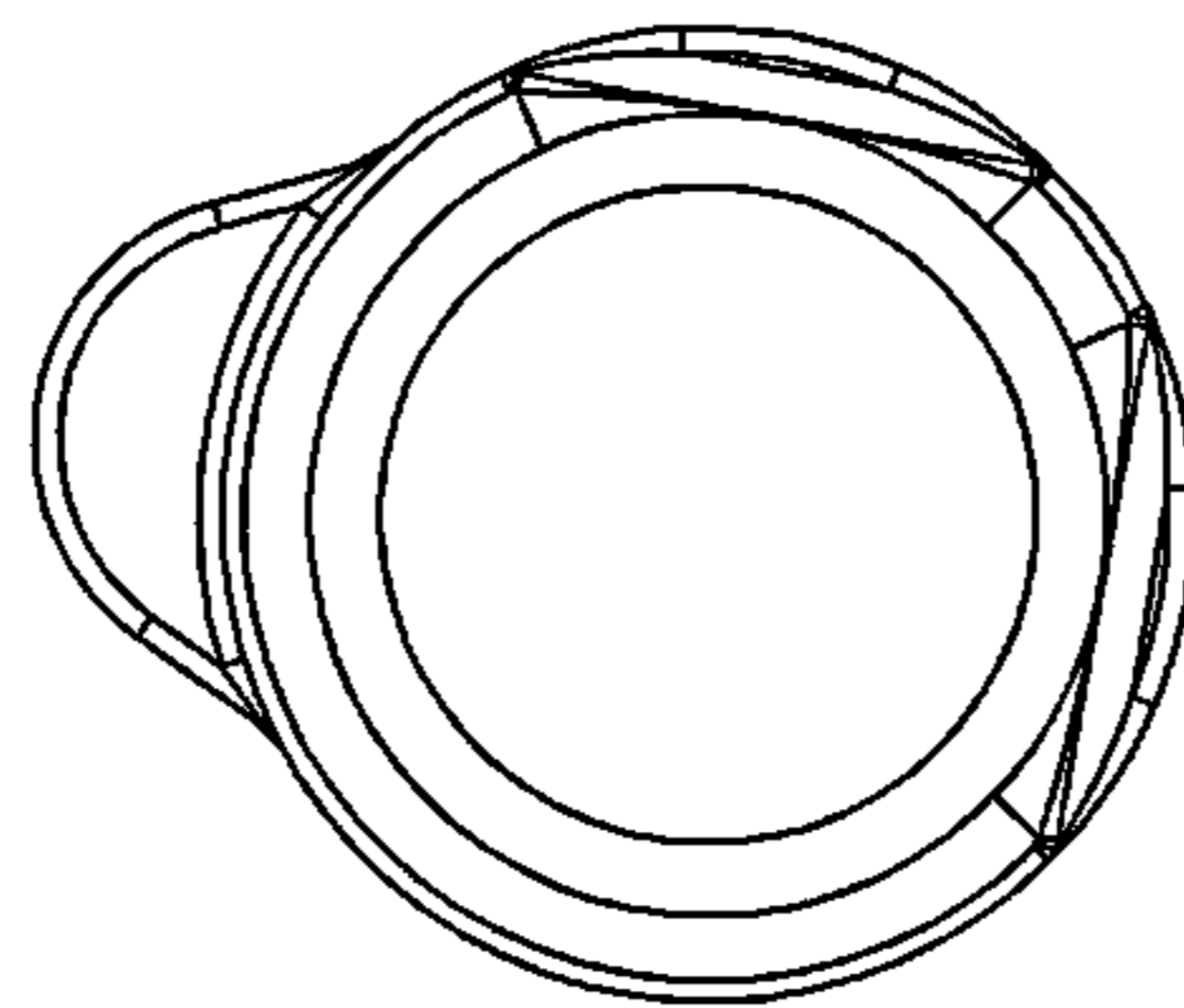


FIG. 3

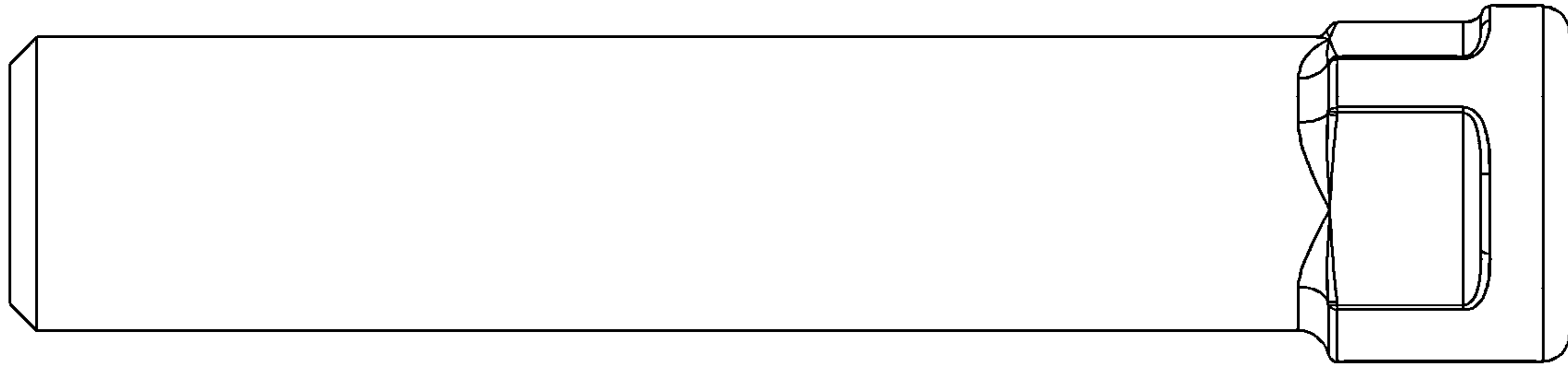


FIG. 4

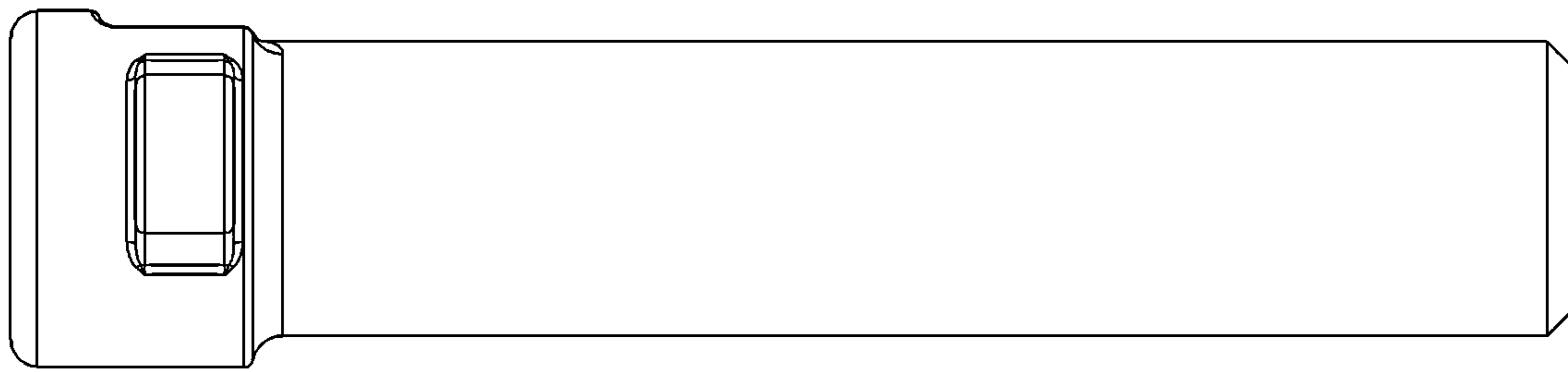


FIG. 5

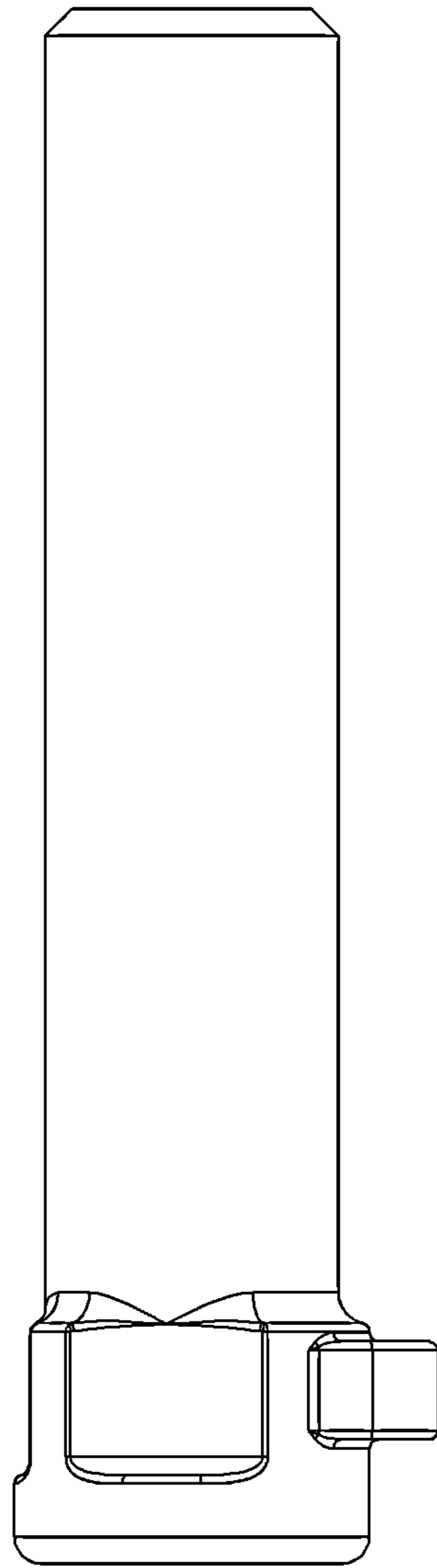


FIG. 6

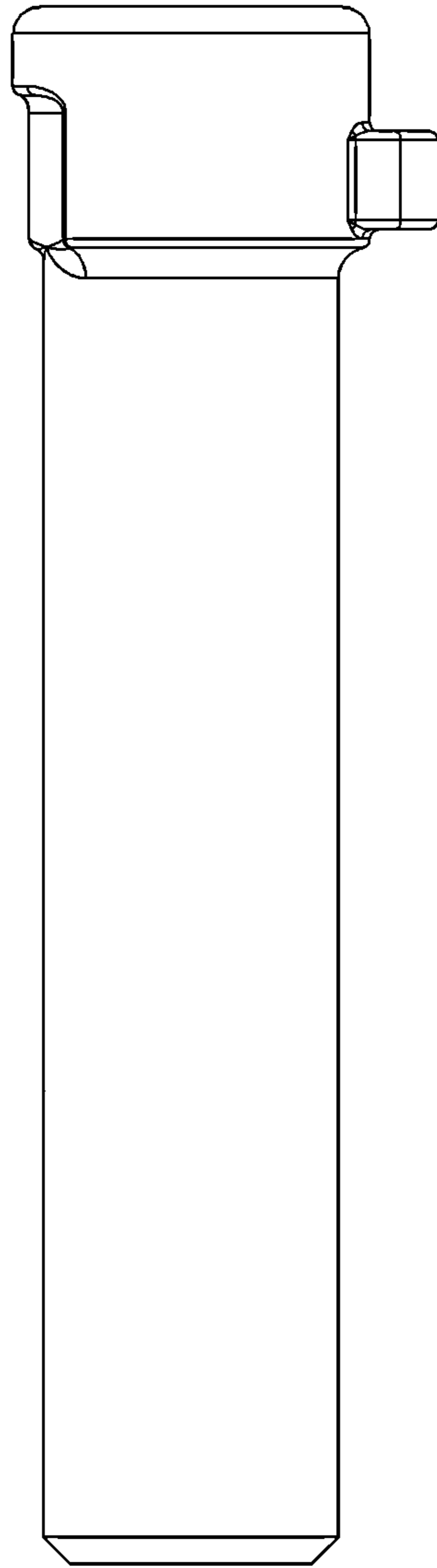


FIG. 7