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Kim et al.

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(54) **ACTUATOR FOR ROBOTS**

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

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(52) **U.S. Cl.**
 USPC **D15/199**
 CPC **B25J 9/047** (2013.01)

(58) **Field of Classification Search**
 USPC D15/199; D24/176; 74/490.01-490.05;
 219/124.34, 639; 700/99, 150
 CPC B25J 9/047; B25J 15/0475; B25J 19/0012;
 B25J 18/025; B25J 9/00
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,851,769 A * 12/1974 Noguchi B25J 9/00
 414/730

4,283,764 A * 8/1981 Crum B05B 13/0431
 318/568.14

4,300,198 A * 11/1981 Davini B05B 13/0431
 318/568.14

D268,033 S * 2/1983 Stackhouse D15/122

4,430,037 A * 2/1984 Bisiach B25J 18/025
 254/200

4,465,424 A * 8/1984 Inaba B25J 19/0012
 414/4

4,601,637 A * 7/1986 Aviles B25J 15/0475
 269/281

D292,000 S * 9/1987 Shibayama D15/122

4,693,663 A * 9/1987 Brenholt B25J 9/047
 414/735

D293,116 S * 12/1987 Stackhouse D15/122

D293,324 S * 12/1987 Gotou D15/122

D307,282 S * 4/1990 Suica D15/199

D308,213 S * 5/1990 Jones D15/199

5,451,135 A * 9/1995 Schempf B08B 9/0933
 165/11.2

D609,258 S * 2/2010 Mortimer D15/199

D609,259 S * 2/2010 Mortimer D15/199

D613,781 S * 4/2010 Liu D15/199

D615,574 S * 5/2010 Liu D15/199

D616,477 S * 5/2010 Long D15/199

D616,909 S * 6/2010 Long D15/199

D622,299 S * 8/2010 Liu D15/199

D625,347 S * 10/2010 Feng D15/199

D645,488 S * 9/2011 Miyake D15/199

* cited by examiner

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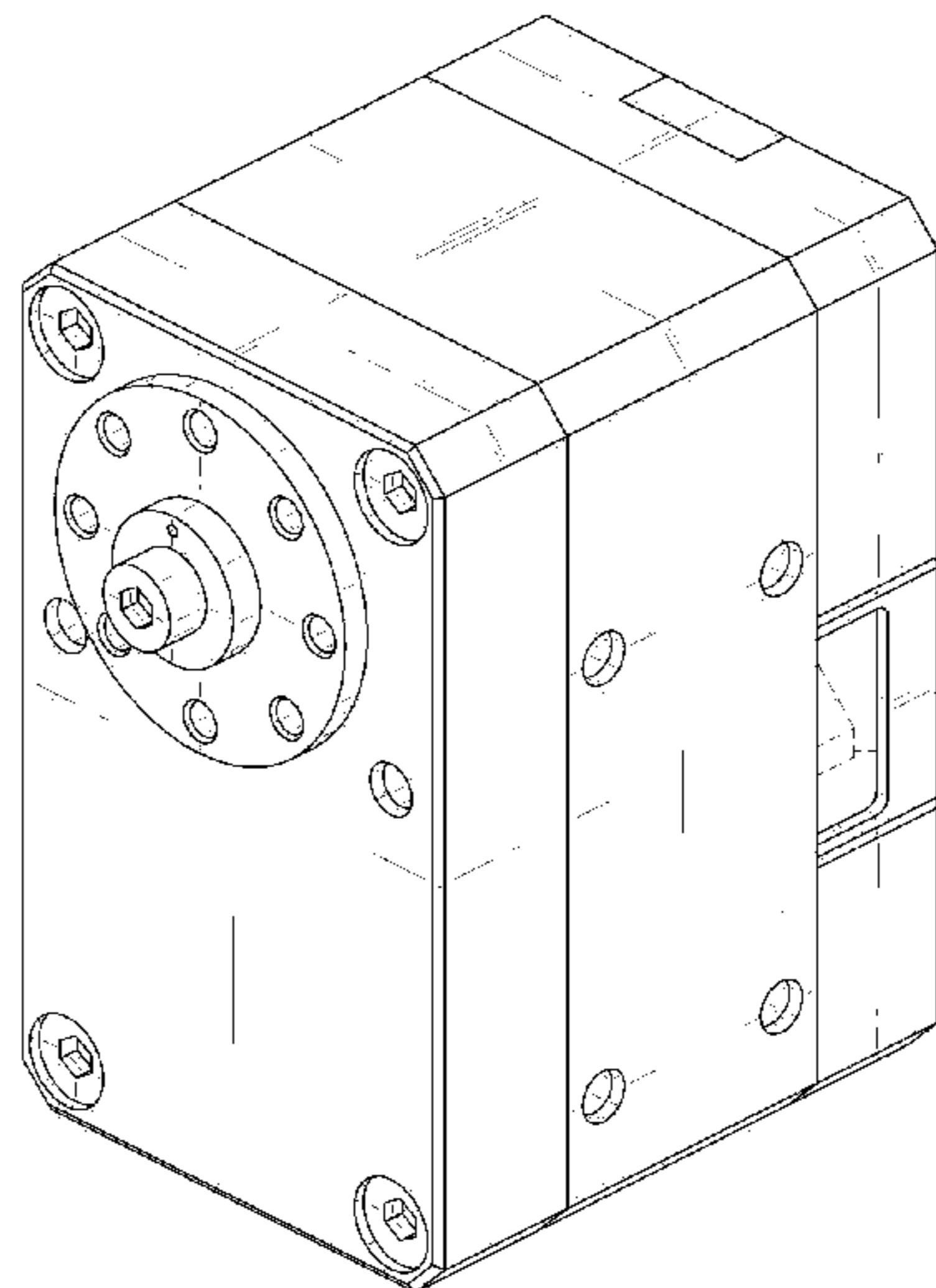
(57) **CLAIM**

The ornamental design for an actuator for robots, as shown and described.

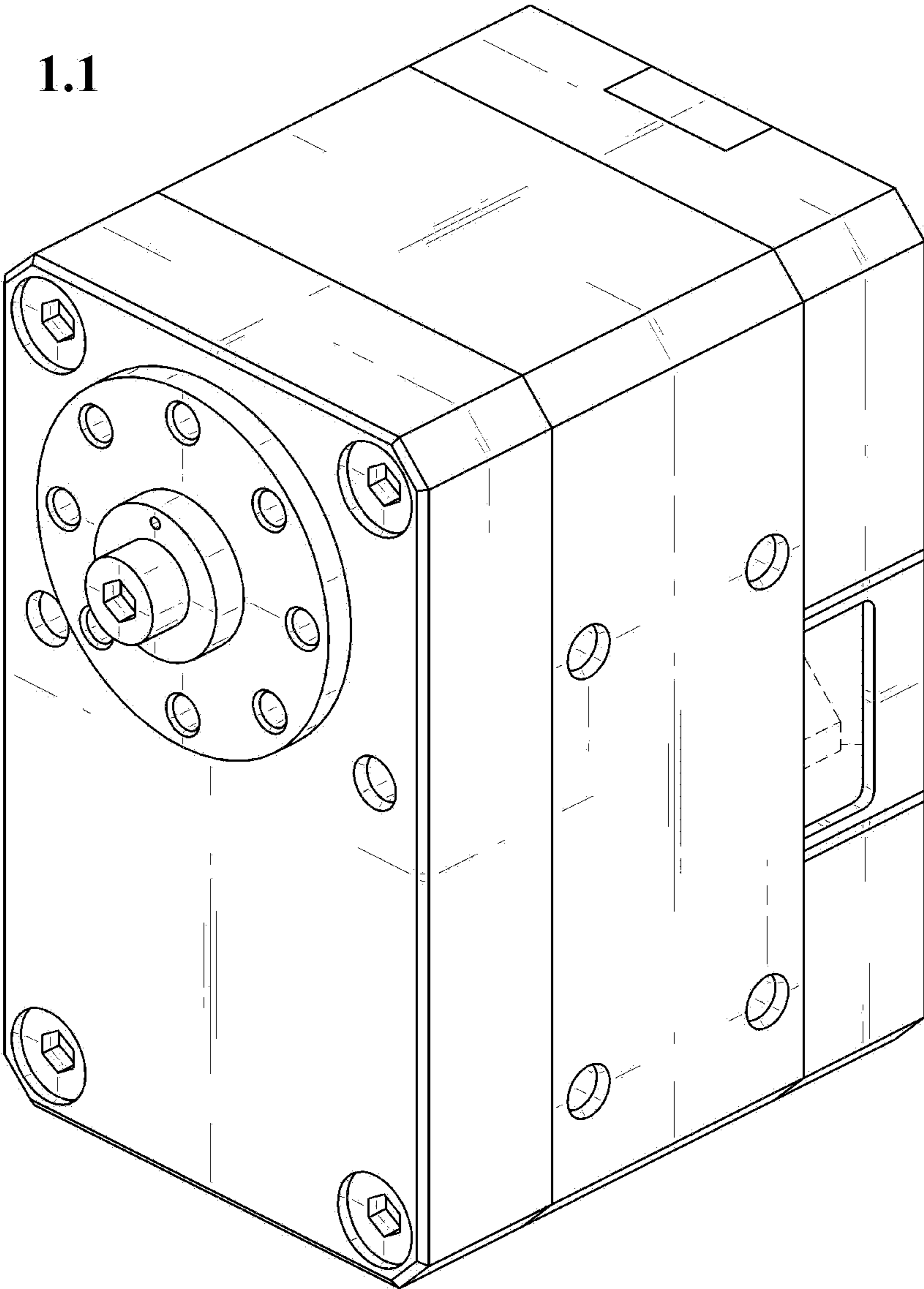
DESCRIPTION

1. Actuator for robots
 1.1 : Perspective
 1.2 : Front
 1.3 : Back
 1.4 : Top
 1.5 : Bottom
 1.6 : Left
 1.7 : Right
 Matter for which protection is not sought is indicated by broken lines.

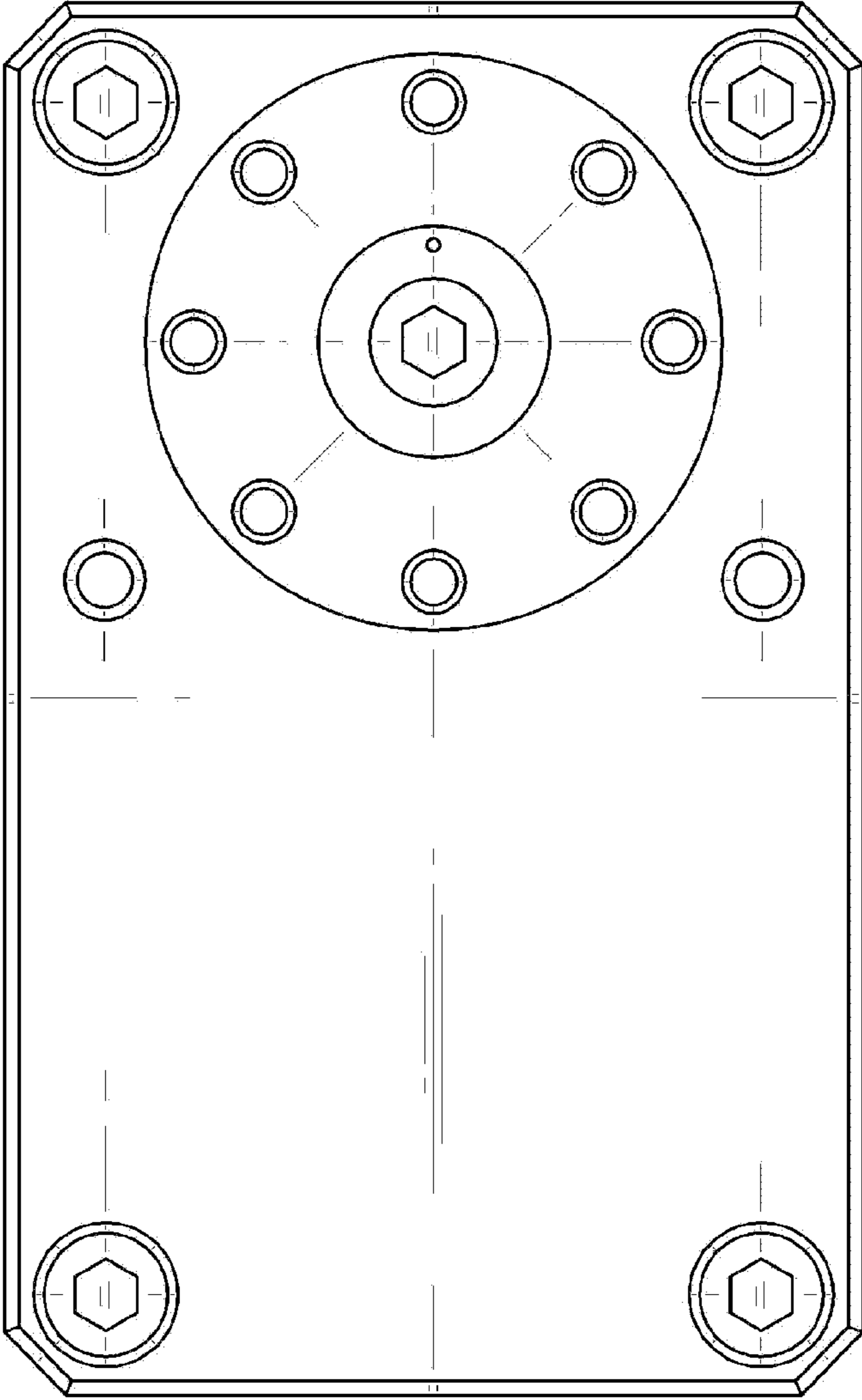
1 Claim, 7 Drawing Sheets



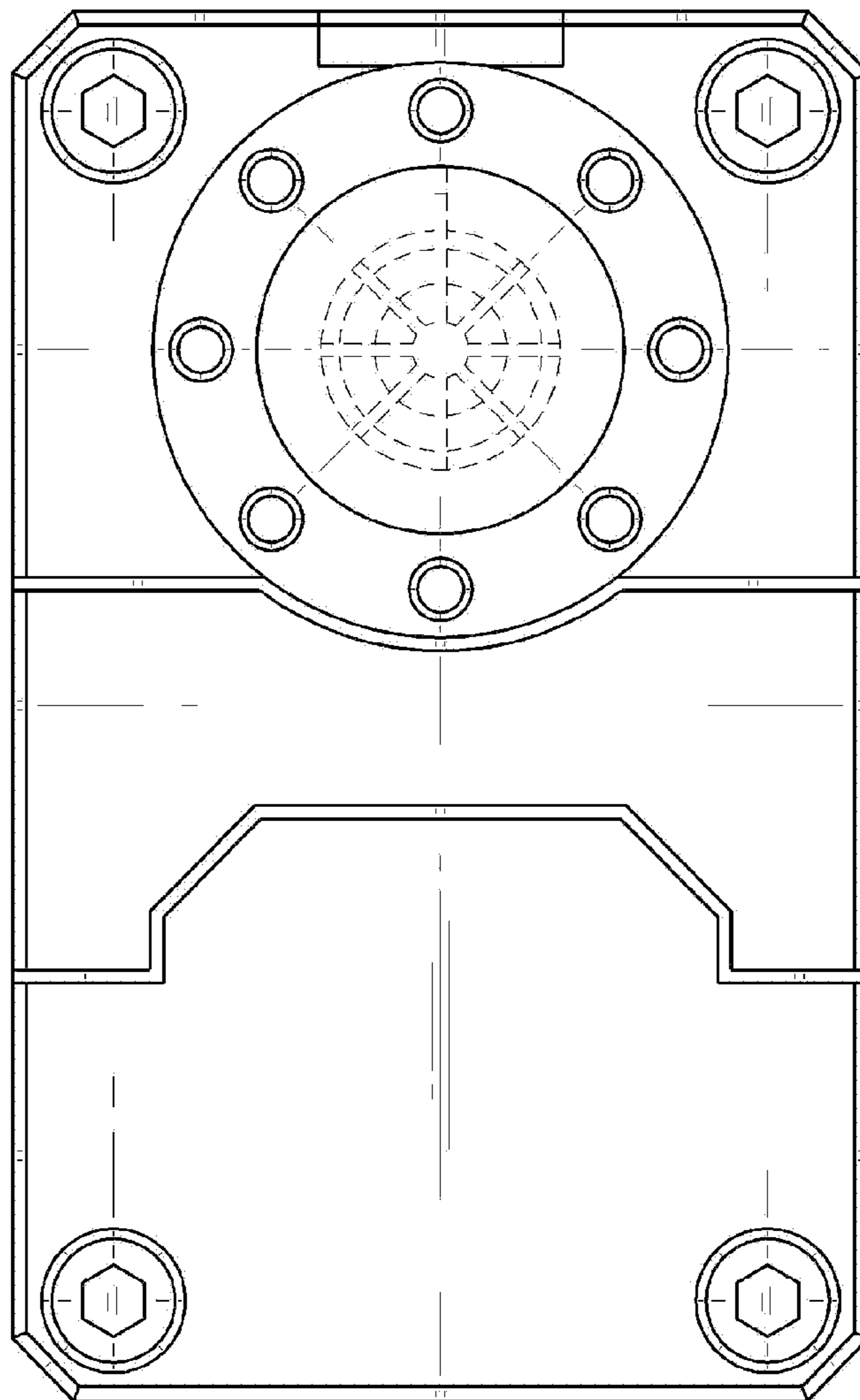
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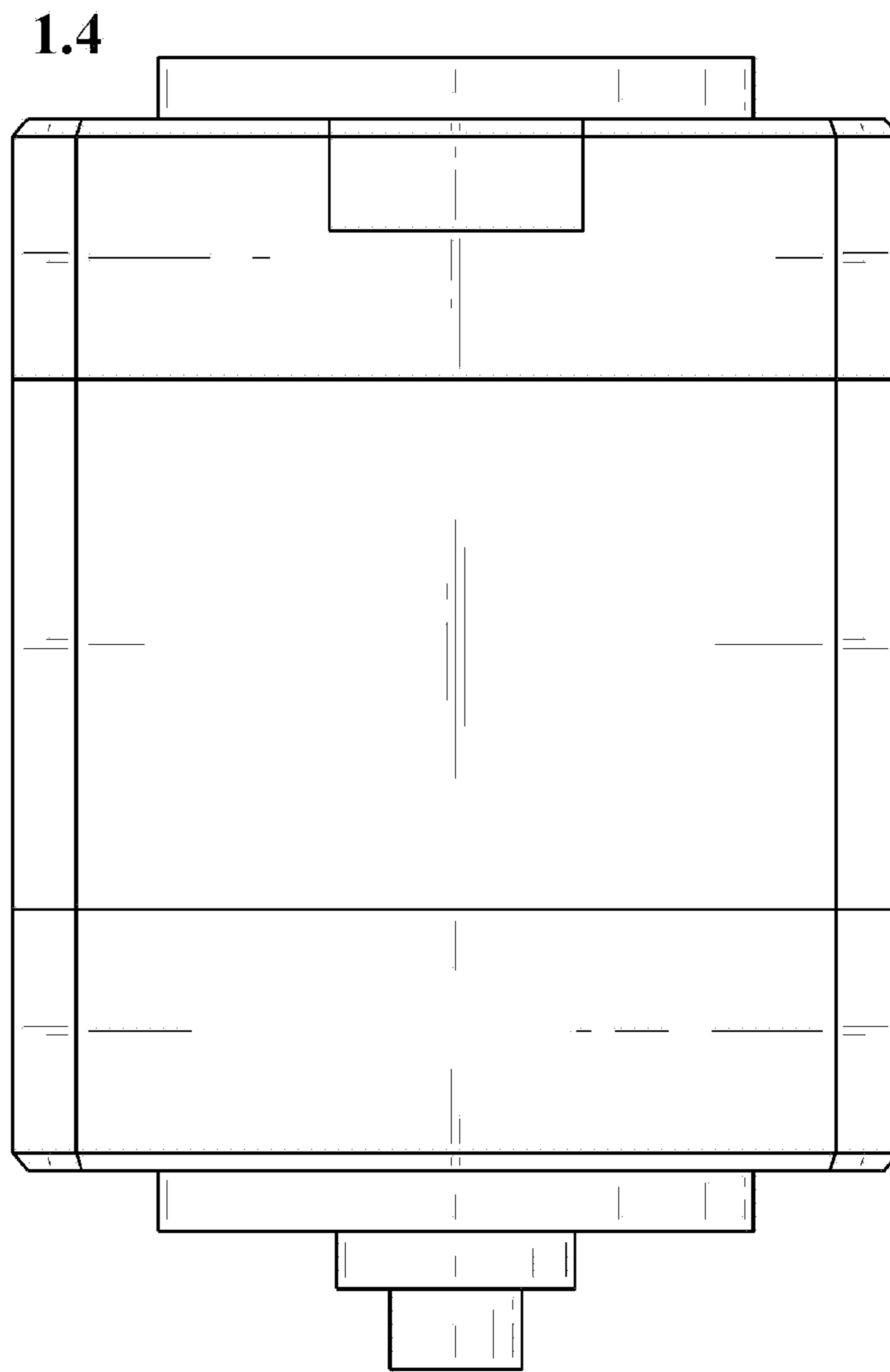


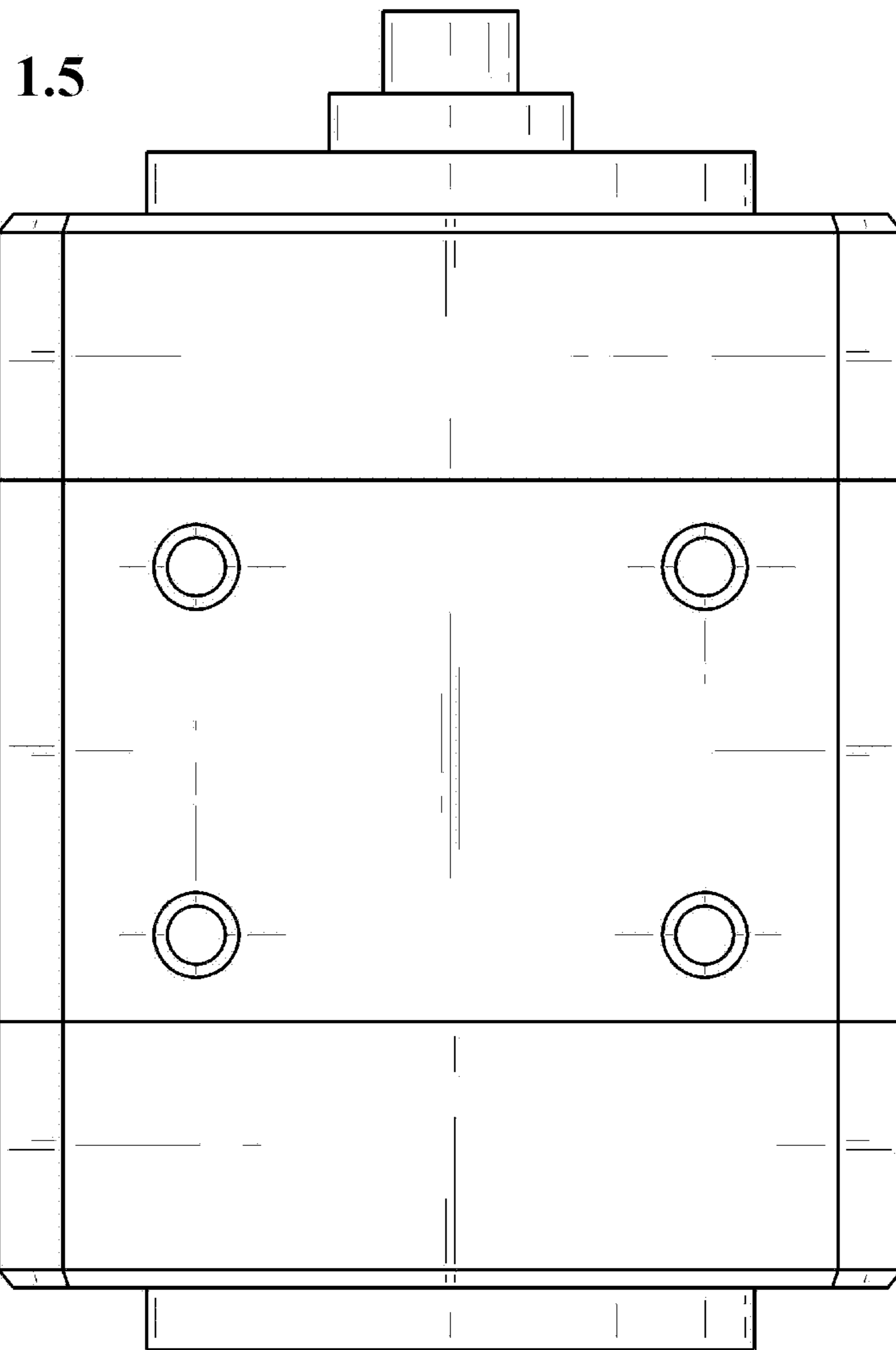
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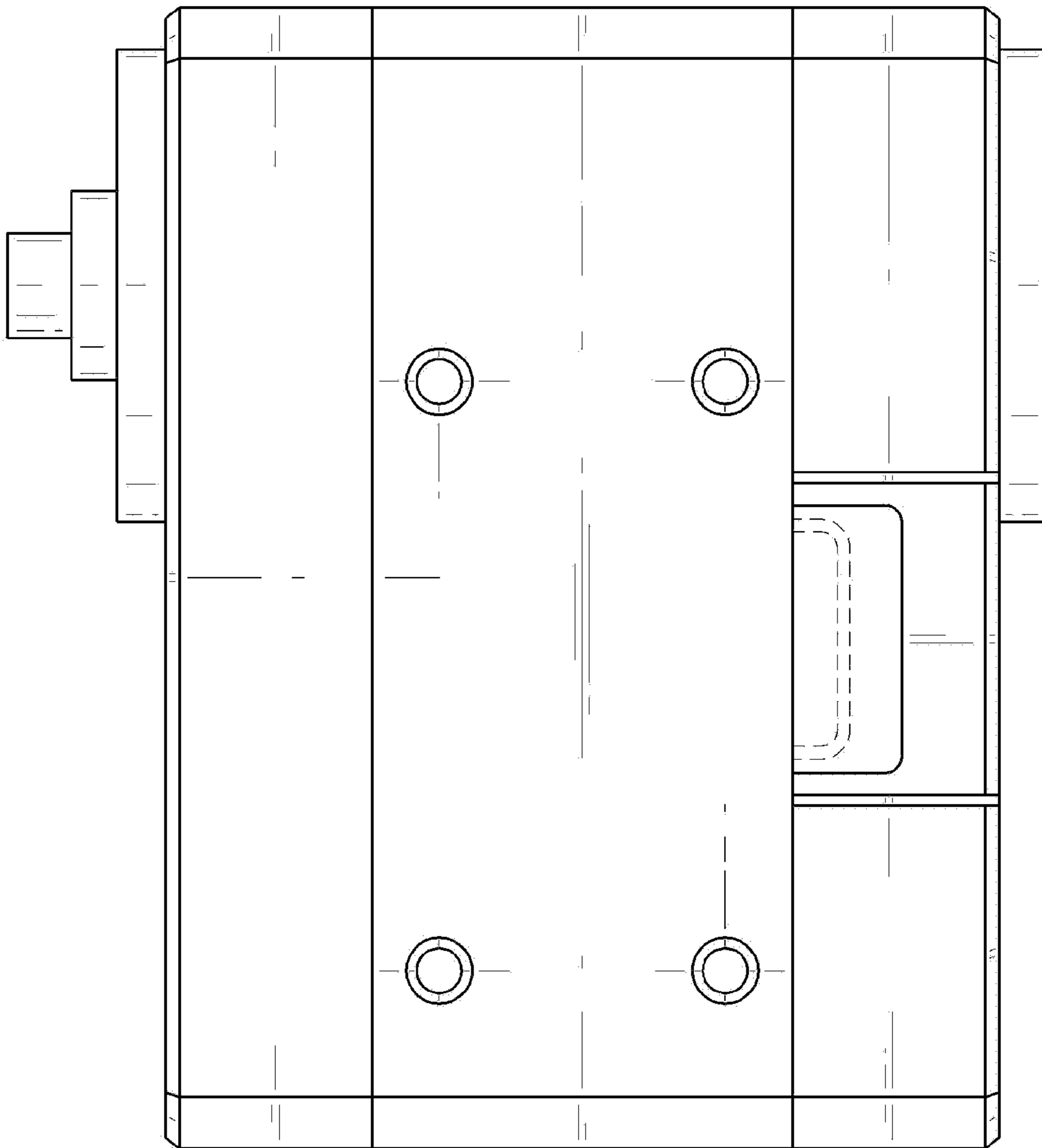
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1.6



1.7

