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United States Design Patent

O'Brien et al.

(10)

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(45)

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(54)	HYDRAULIC TORQUE WRENCH	7,926,389	B1 *	4/2011	Davis	B25B 21/005
(71)	Applicant: Atlas Copco Industrial Technique AB, Nacka (SE)	D724,403	S *	3/2015	Spirer	81/57.44 D8/61
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(73)	Assignee: Atlas Copco Industrial Technique AB, Nacka (SE)	D732,916	S *	6/2015	Spirer	D8/61
(**)	Term: 15 Years	2011/0314972	A1 *	12/2011	Rickley, III	B25B 21/005 81/57.44
(21)	Appl. No.: 35/518,604	2014/0238203	A1 *	8/2014	Spirer	B25B 23/0007 285/272
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(80)	Hague Agreement Data	2023/0347482	A1 *	11/2023	Shaw	G05B 19/042
		2023/0347492	A1 *	11/2023	Shaw	B25B 21/005

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	USPC D8/61
(58)	Field of Classification Search
	USPC D8/29.1, 51, 52, 53, 55, 56, 57, 58, 61, D8/63, 70, 93, 98, 99, 105; D24/148, D24/149; 81/9.43, 9.44, 302, 349, 383.5, 81/423, 427.5, 900; 30/90.1, 90.6, 228, 30/366; D15/124, 133, 138, 139, 140; 254/93 H, 93 R; 403/378
	CPC G05B 19/042; G05B 19/0426; B25F 5/00; B25F 5/005; B25B 23/1456; B25B 21/005
	See application file for complete search history.

(56)	References Cited
	U.S. PATENT DOCUMENTS
	RE33,951 E * 6/1992 Junkers B25B 21/005 81/57.39
	D491,435 S * 6/2004 Junkers D8/61

OTHER PUBLICATIONS

Atlas Copco “RTX Series Hydraulic Torque Wrench” datasheet dated Jun. 2015.

* cited by examiner

Primary Examiner — Austin Murphy

(74) Attorney, Agent, or Firm — Young Basile Hanlon & MacFarlane, P.C.

(57) CLAIM

The ornamental design for a hydraulic torque wrench, as shown and described.

DESCRIPTION

1. Hydraulic torque wrench

1.1 : Front

1.2 : Top

1.3 : Back

1.4 : Left front perspective

1.5 : Left

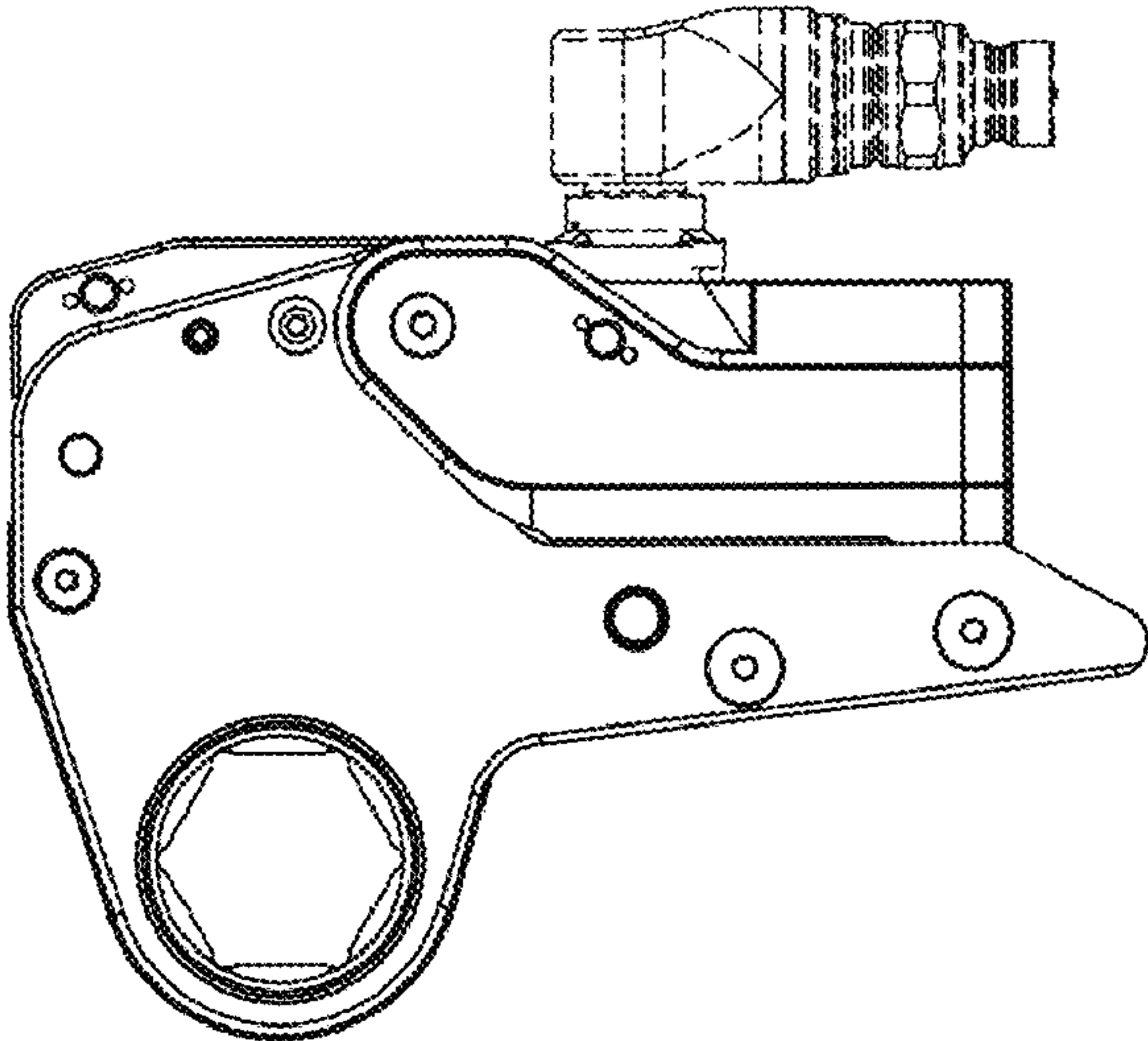
1.6 : Bottom

1.7 : Left rear perspective

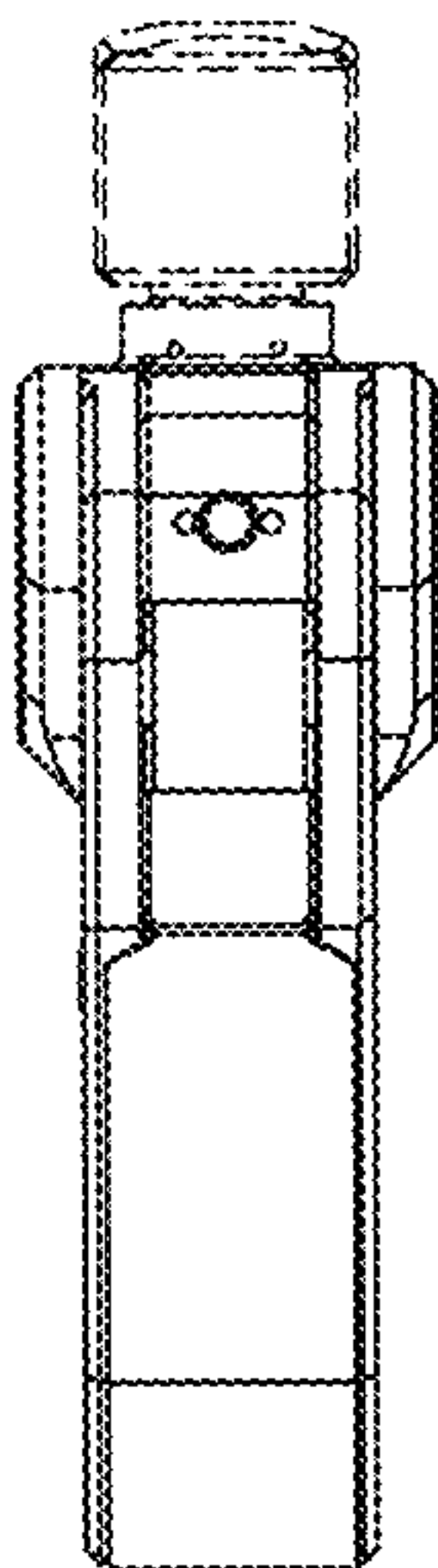
1.8 : Right

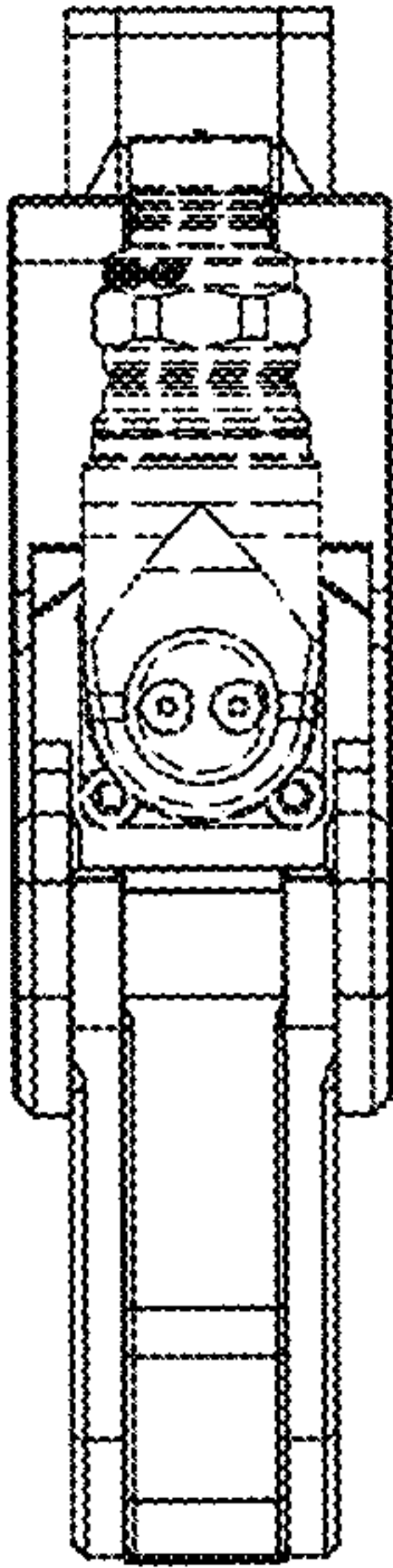
No protection is sought for the matter shown in dotted lines.

1 Claim, 8 Drawing Sheets



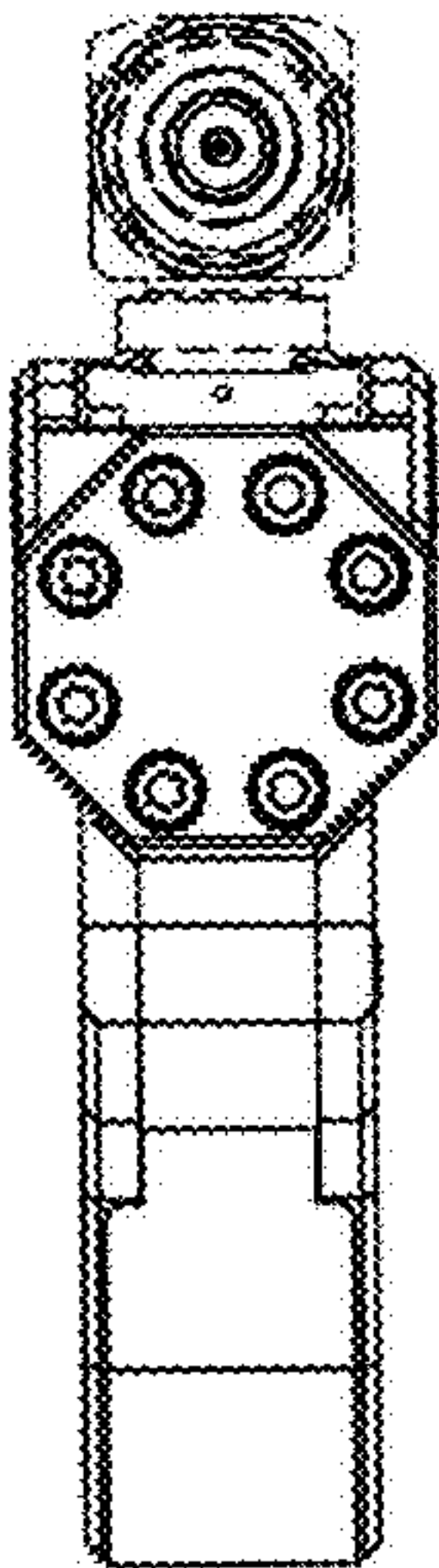
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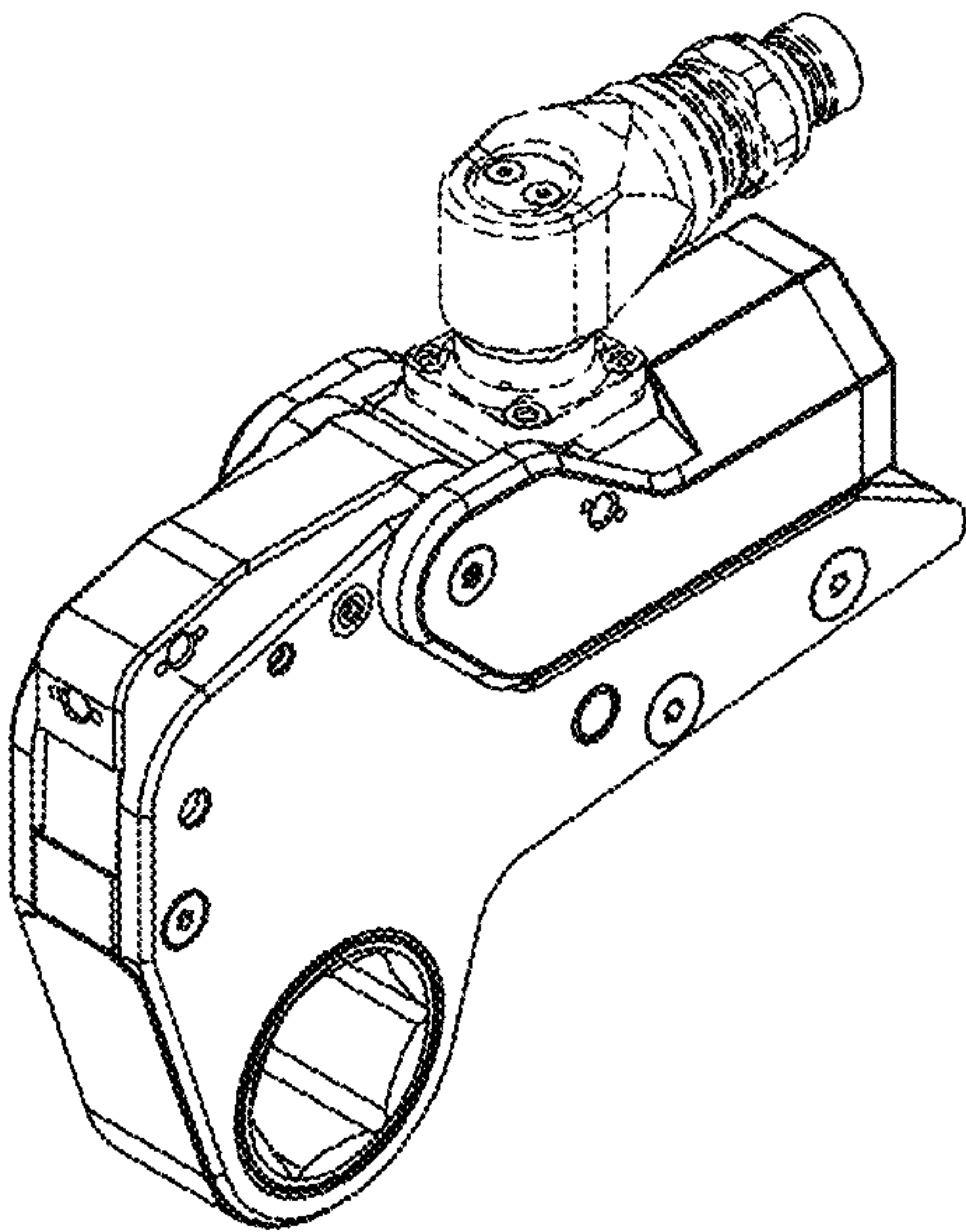


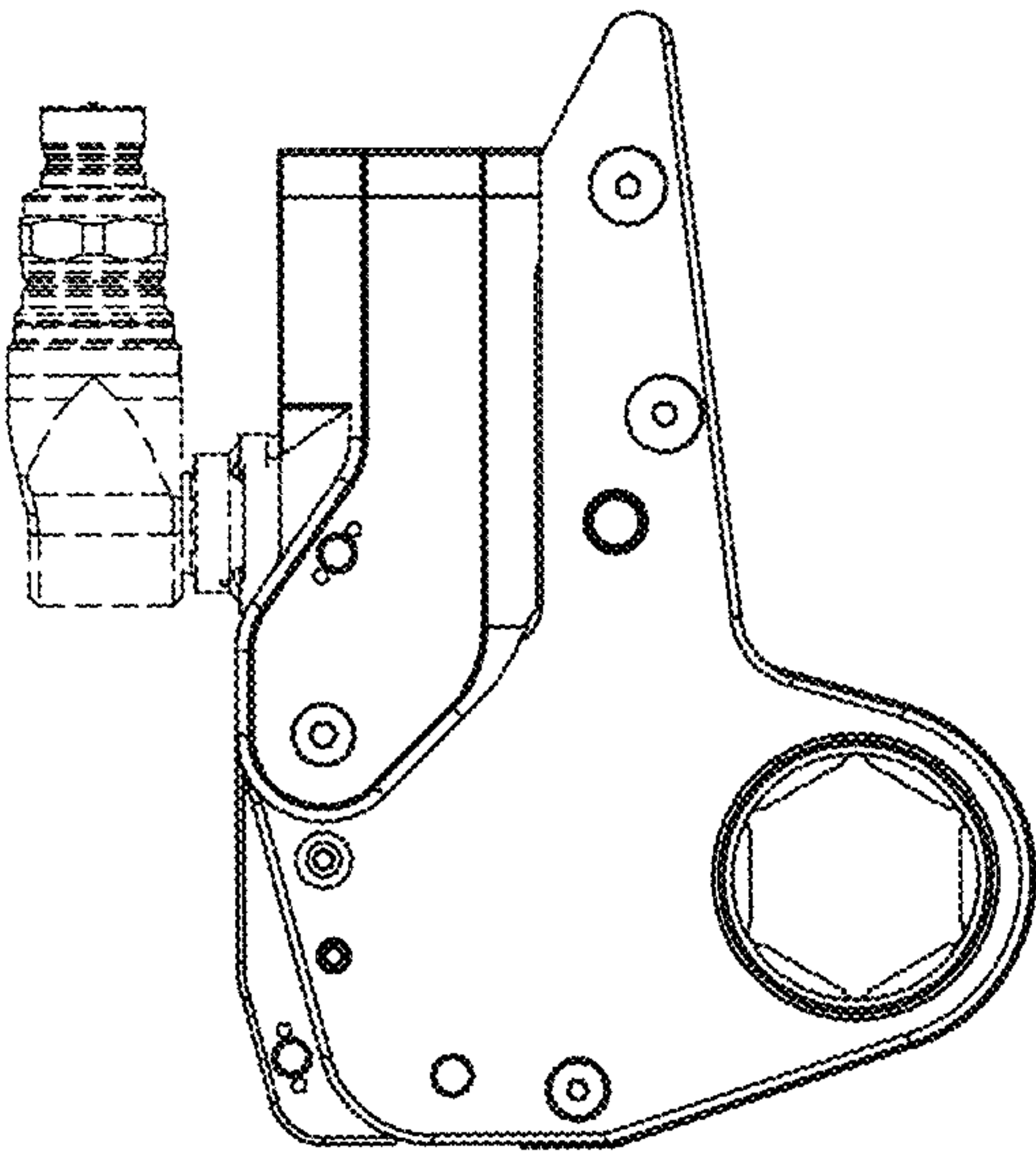
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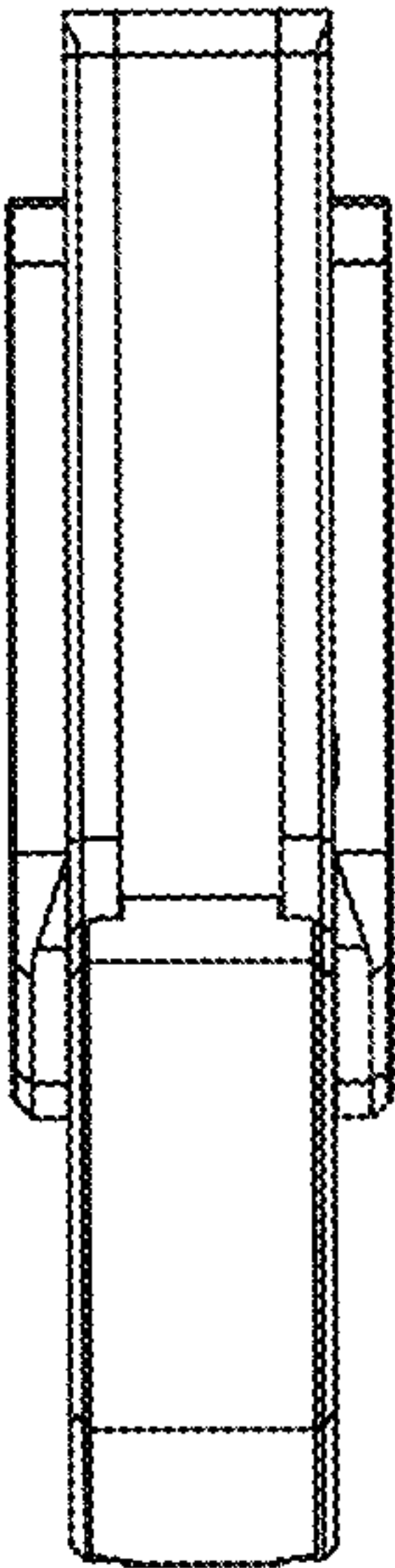


1.4



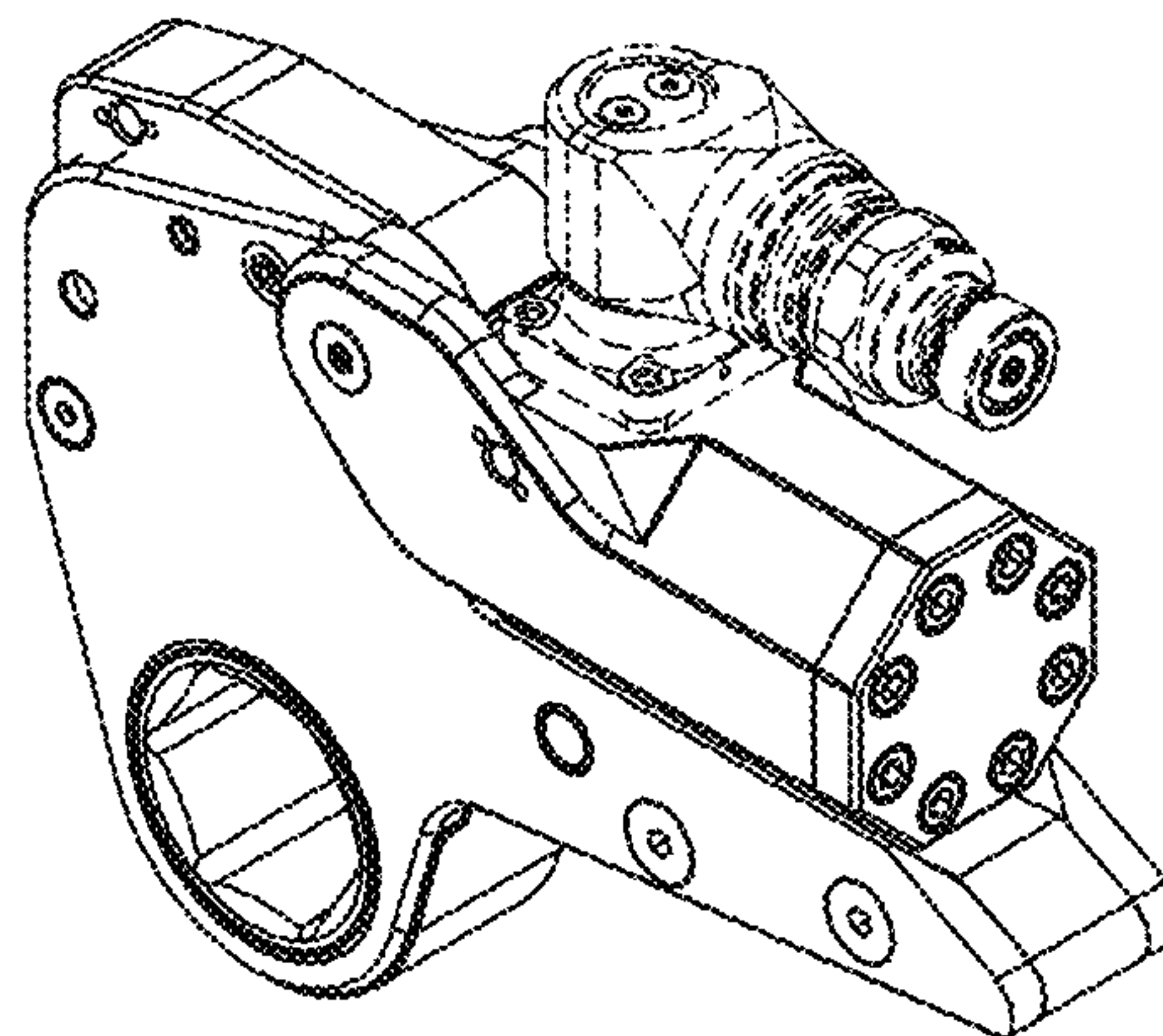


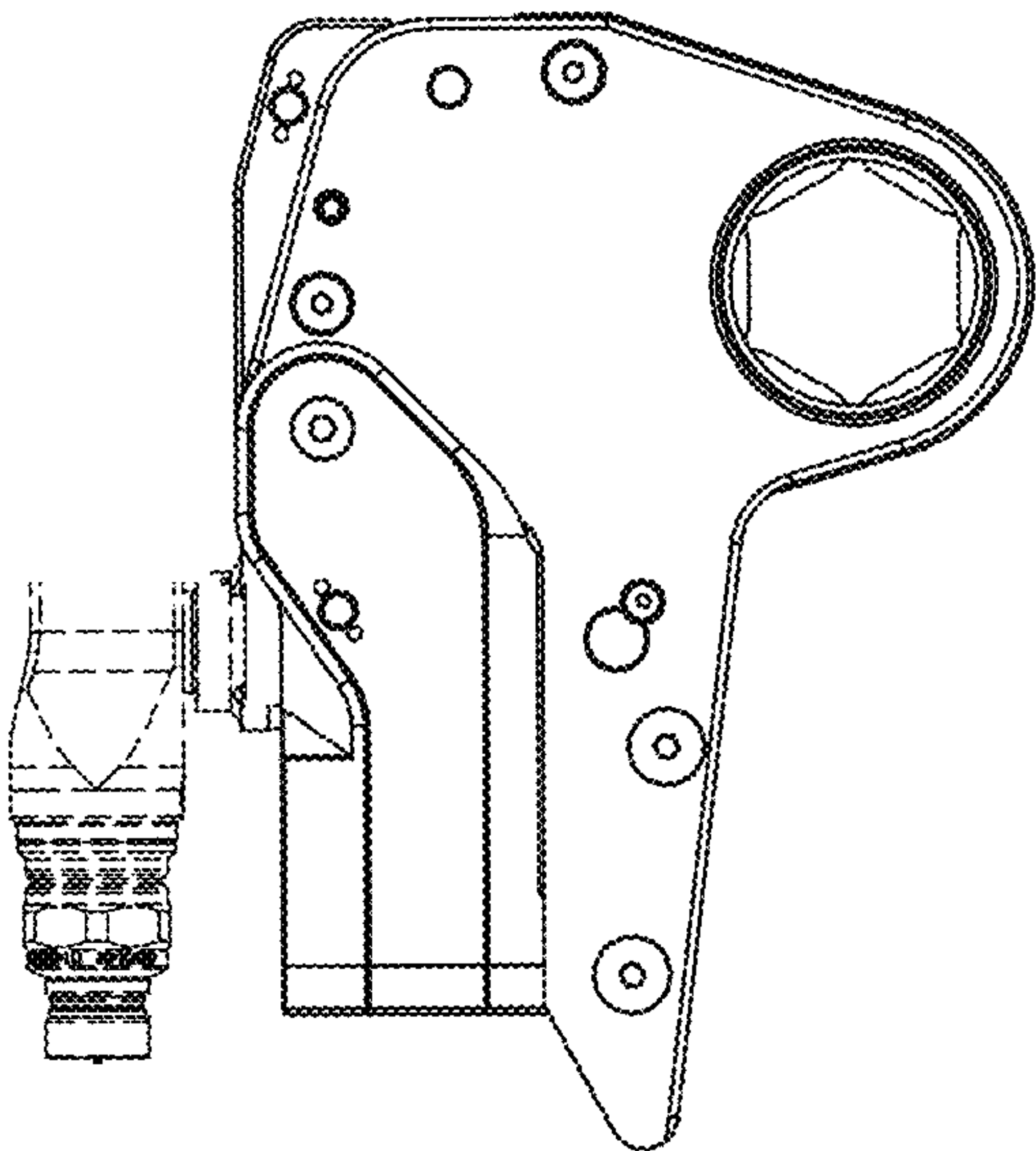
1.5



1.6

1.7





1.8