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1 1
2 6
3 7
4 9
5 10
6 10
7 1

1.

1.1

“ ” “ ” “ ”

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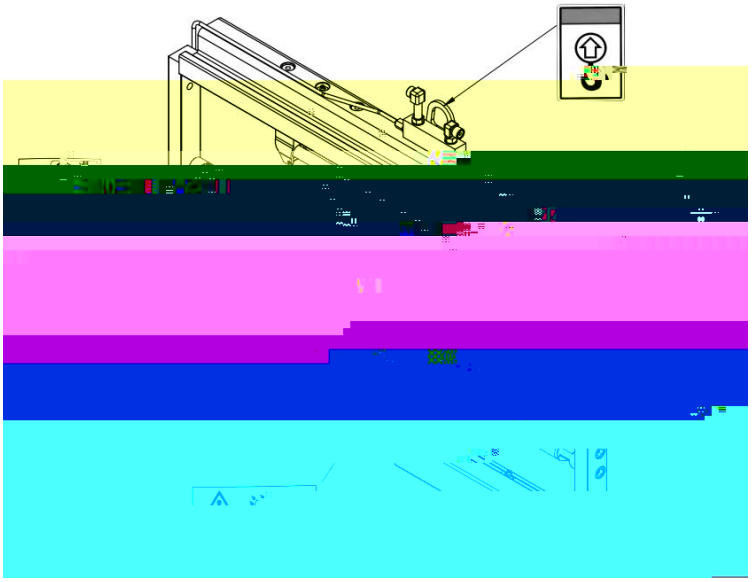

1.2

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1.3.4

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pW F/ E 5XE- g g
pW/ E ©µ€

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ISO4762 ISO4014 ISO4032

	8.8	10.9	12.9
M10	45Nm	66Nm	77Nm
M12	77Nm	115Nm	135Nm
M16	190Nm	280Nm	330Nm
M20	385Nm	550Nm	640Nm

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2.

2.1 14MPa

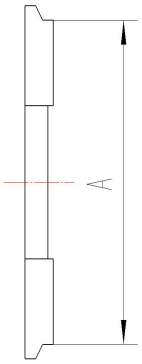
16 Mpa

2.2

①

②

2.4 ISO 2328 ITA



	A		B		C	
	380	381	15	16	15.2	16.8
	474.5	476	20.5	21.5	18.2	19.8
	595.5	597	24.5	25.5	18.2	19.8

1

2.5

3.

3.1

(1) 4

(2) 140N.m

(3) M10

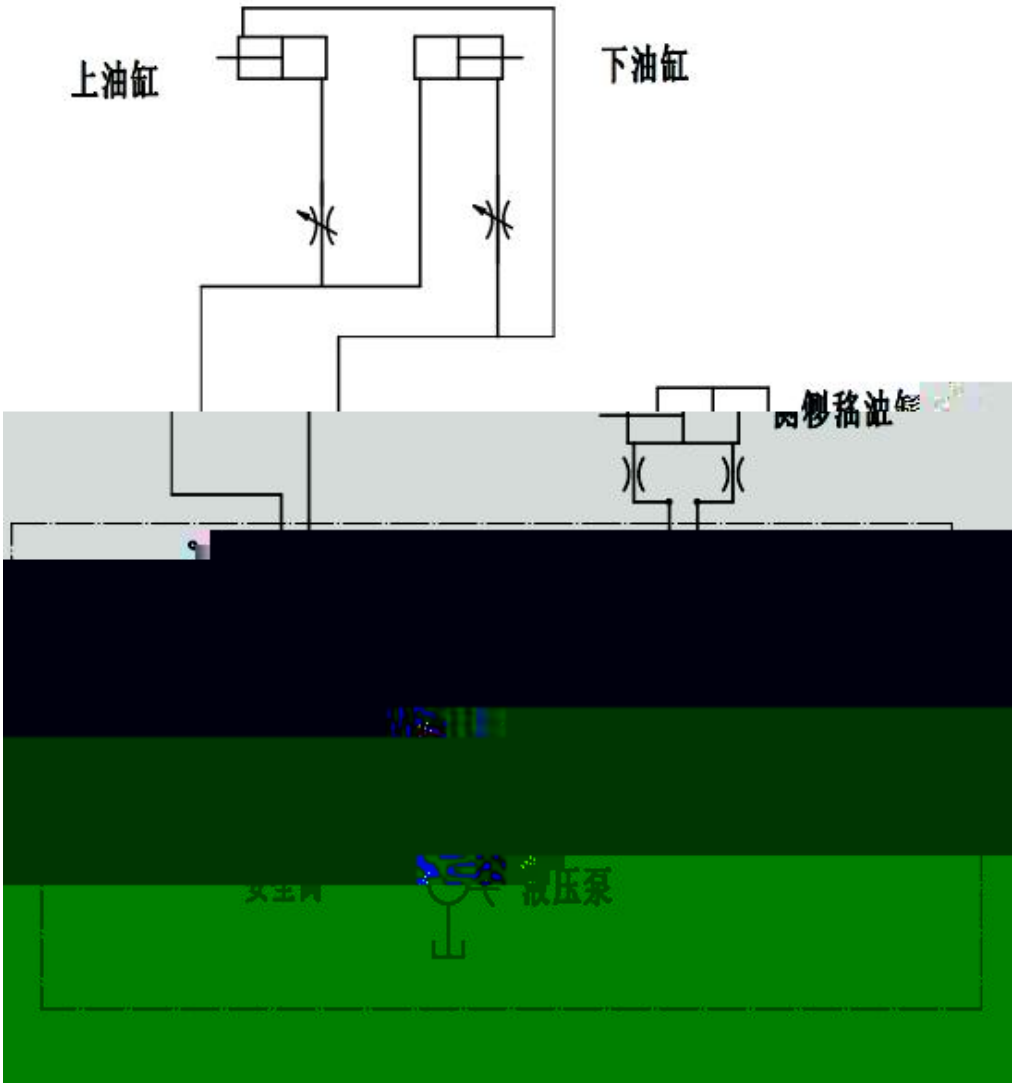
(4)

(5)

3.2

M16x1.5

24



4.

4.1

4.1.1

4.1.2

4.1.3

4.1.4

4.1.5

4.1.6

4.2

5.

5.1

5.2 100

5.3 500

5.4 1000

1.5 mm(1-2.5T) 3 mm(3-4.5T) 5 mm

6.

6.1

6.1.1

6.1.2

6.1.3

6.2

[redacted]

[redacted]

[redacted]

(5)

7.3

(1)

(2)

(3)