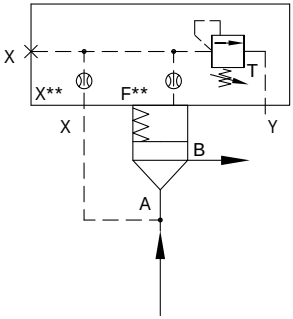
5.2

—

插装阀 L-LC.. 型
控制盖板 L-LFA... 型

16 100
6X 7X
420 bar
7000 L/min

目录


X
X**
F**
T
X
Y
B
A

.

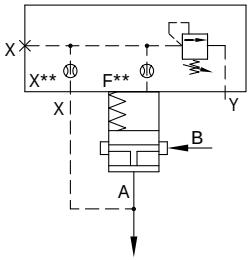
a) :

L-LFA..DB...
L-LC..DR...

1:1 B

L-LFA..DB...
A

B
A -
A



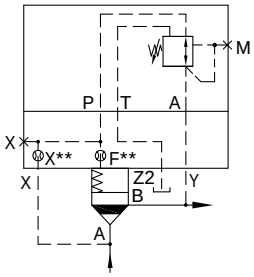
L-LFA..DB...
L-LC..DR40...

b)

L-LFA..DR...
L-LC..DB..D...

L-LC..BD..
D... L-LFA..DR...
A
B A B
B -
“ ”
B

L-LFA..DRW...



L-LFA..DR...
L-LC..DB40D...

.

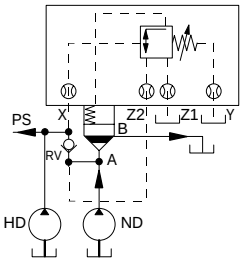
LFA..DZ...
LC..DB...

X A X Z2
Y Z1
A B
LFA...DZW...

1

Ps X

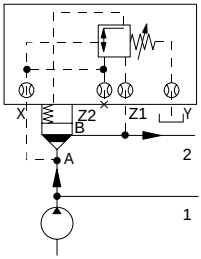
RV



LFA..DZ...XY
LC..DB20D...

2

1
2
A

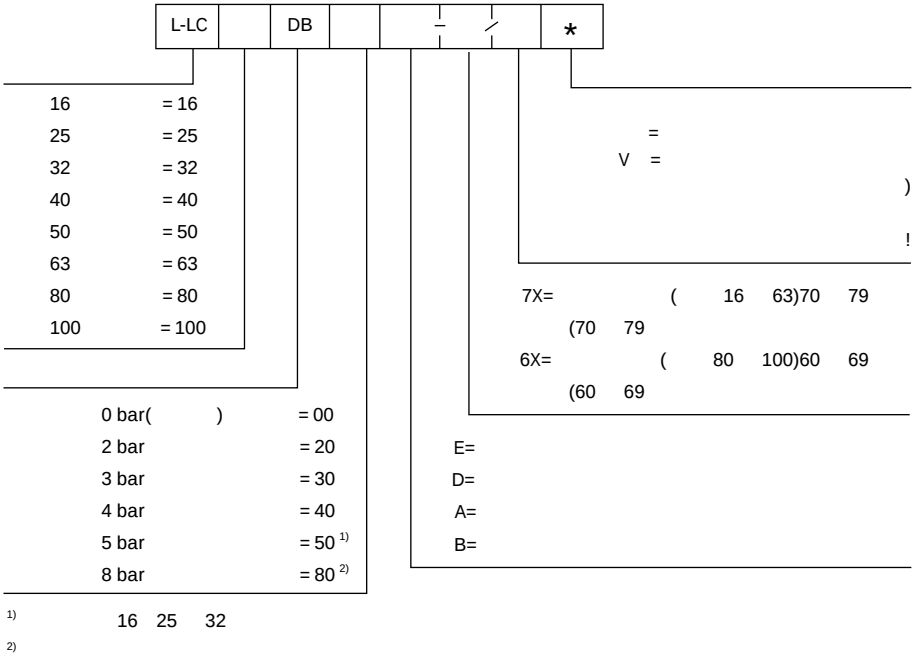


LFA..DZ...Y
LC..DB20D...

5.2-1(1)

—

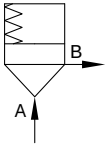
插装阀 L-LC.DB... 型



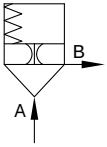
1) 16 25 32

2)

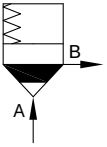
(



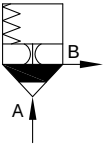
“ E ”



“ A ”



“ D ”



“ B ”

		-							
		-							
		-30 +80							
		-20 +80							
	mm²/s	2.8 380							
		NAS1638 9							
		ISO4406 20/18/15 [1)]							
- A B	bar	420							
( )		16	25	32	40	50	63	80	100
	“ E ” “ A ” L/min	300	450	600	1000	1600	2500	4500	7000
	“ D ” “ B ” L/min	175	300	450	700	1400	1750	3200	4900

1

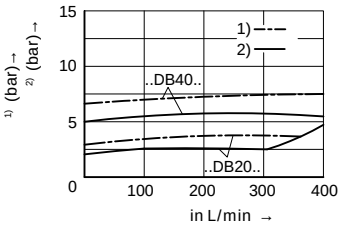
HLP46 ϑ =40 ±5

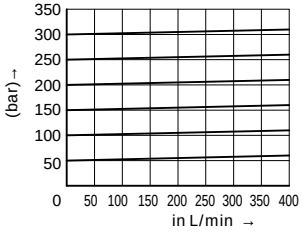
25

B

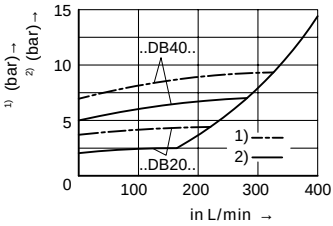
· **L-LFA25DB... L-LFA25DBW...**

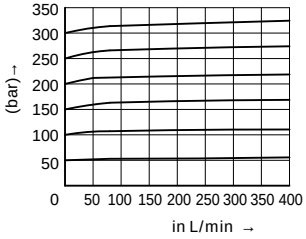
L-LC 25 DB..E ( )





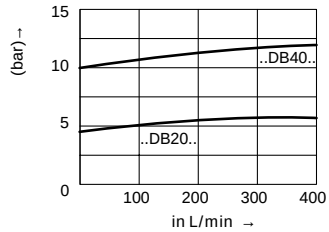
L-LC 25 DB..D ( )

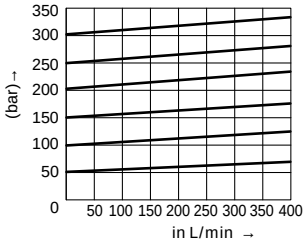




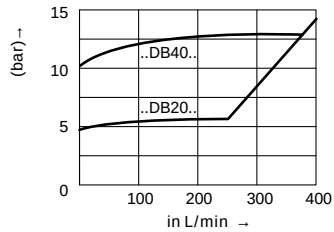
· **, L- LFA 25 DBE...**

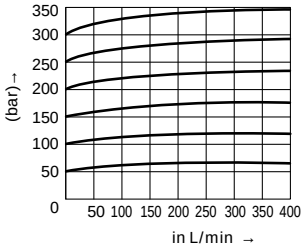
L-LC 25 DB..E ( )





L-LC 25 DB..D ( )





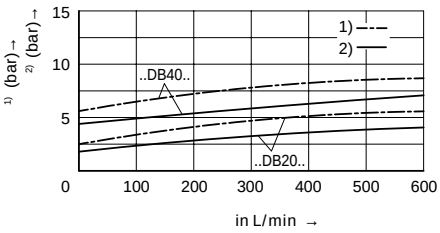
HLP46 ϑ =40 ±5

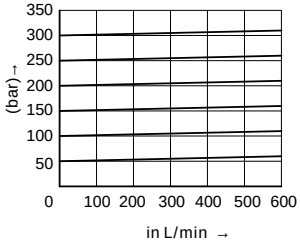
32

B

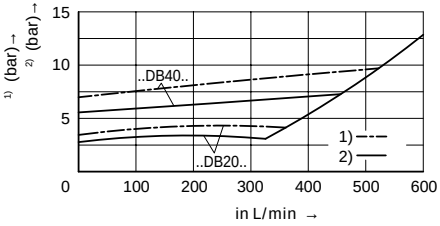
· **L-LFA32DB... L-LFA32DBW...**

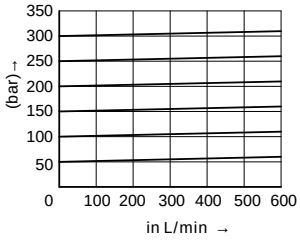
L-LC 32 DB..E ( )





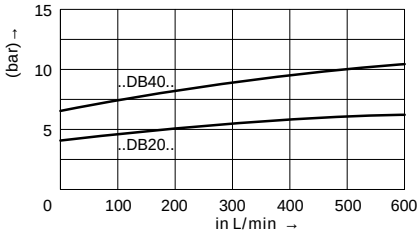
L-LC 32 DB..D ( )

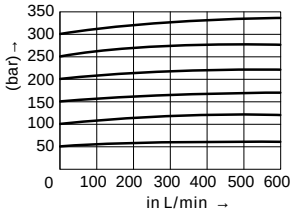




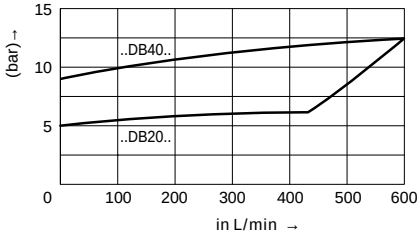
· **, L- LFA 32 DBE...**

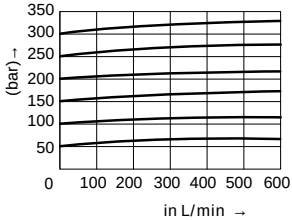
L-LC 32 DB..E ( )



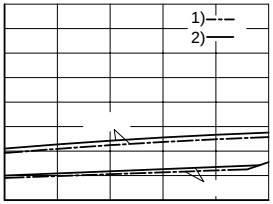


L-LC 32 DB..D ( )

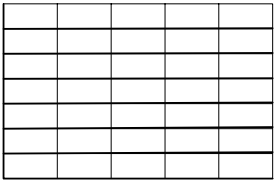




L-LC 40 DB..E ( )

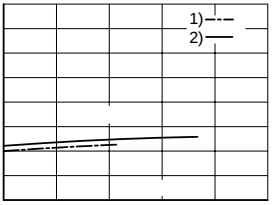


in L/min →

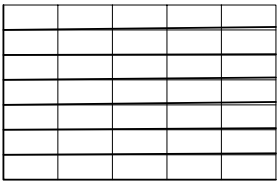


in L/min →

L-LC 40 DB..D ( )



in L/min →



in L/min →

L-LC 40 DB..E ( )

in L/min →

in L/min →

L-LC 40 DB..D ( )

in L/min →

in L/min →

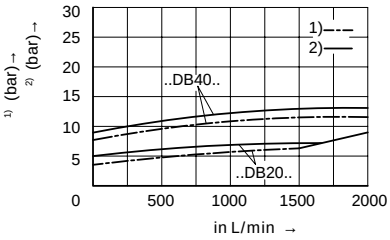
HLP46 ϑ =40 ±5

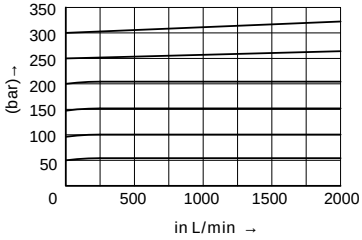
50

B

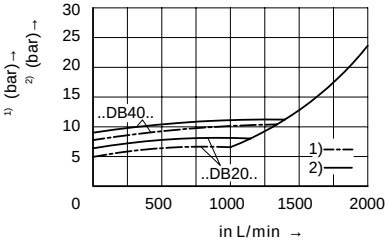
· **L-LFA50DB... L-LFA50DBW...**

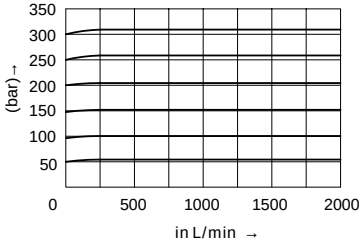
L-LC 50 DB..E ( )





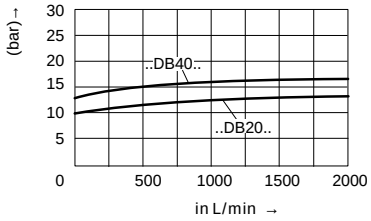
L-LC 50 DB..D ( )

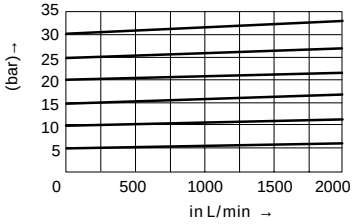




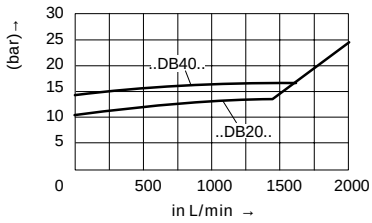
· **, L- LFA 50 DBE...**

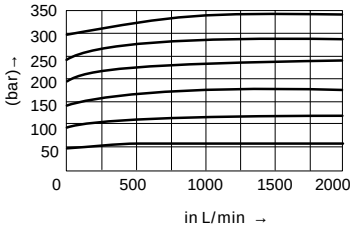
L-LC 50 DB..E ( )



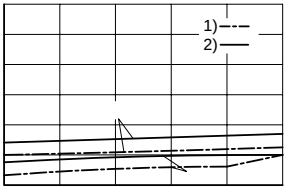


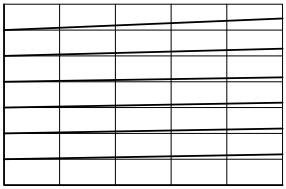
L-LC 50 DB..D ( )





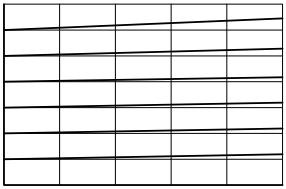
L-LC 63 DB..E ( )





L-LC 63 DB..D ( )

1)
2)



L-LC 63 DB..D (

5.2-1(2)

—

控制盖板 L-LFA.DB... 型

			Y,T bar			
			X			
DBD.2K-L20/...[1]	16 32	DB,DBW,DBWD, DBU2.,DBBU3D, DBEM,DBS	420	0 (2 bar)	315	
DBD.6K10/...[2]	40 63		400		315	
.WE6...			350		21(=); 16(~)	

[1] : 25, 50, 100, 200, 315, 400 [2] : 25, 50, 100, 200, 315, 420

(L-LFA.DB... , !)

bar	420 :
	-
	-
	-30 +80 ( )
	-20 +80 ( )
mm^2/s	2.8 380
	NAS 1638 9 ISO4406 20/18/15 [3]

[3]

O X Y

16	8 × 1.8
25	9.25 × 1.78
32	10.82 × 1.78

40	12 × 2.5
50	
63	18.72 × 2.62

GB/T70.1 10.9			
			(Nm)
16	4	M8 × 45	32
25		M12 × 50	110
32		M16 × 60	270
40		M20 × 70	520

GB/T70.1 10.9			
			(Nm)
50	4	M20 × 80	520
63		M30 × 100	1800
80		M24 × 120	900
100		M30 × 120	1800

(mm)

..DB... (16 100)

L-LFA | | DB | – 7X ⁄ |

16 = 16
25 = 25
32 = 32
40 = 40
50 = 50
63 = 63
80 = 80
100 = 100

=1
=2
=3
(H- =4

60 69 80 100 =6X
(60 69
70 79 16 63 =7X
(70 79

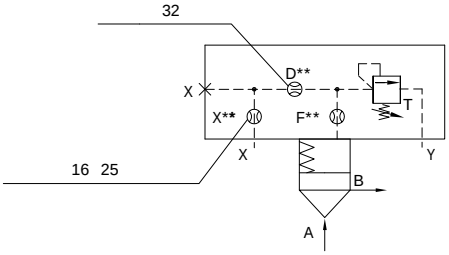
=
V =
( )
:
!

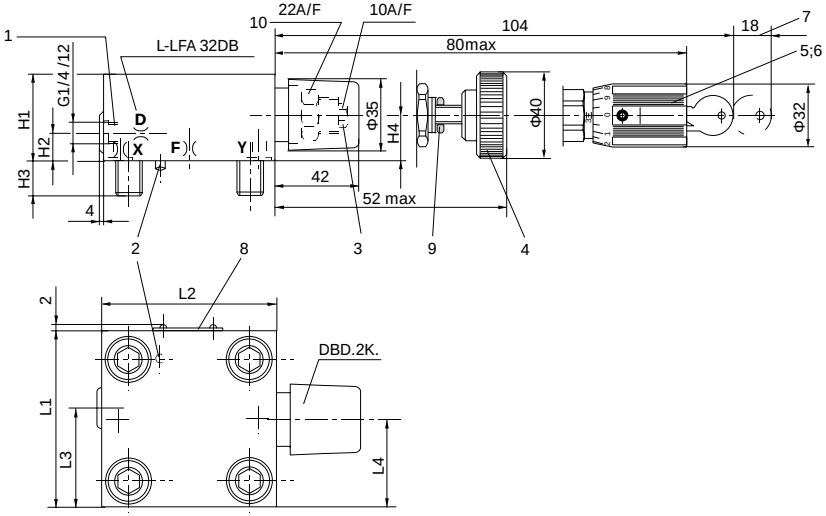
16 25 32	40 50 63 80 100
025 = 25 bar	025 = 25 bar
050 = 50 bar	050 = 50 bar
100 = 100 bar	100 = 100 bar
200 = 200 bar	200 = 200 bar
315 = 315 bar	315 = 315 bar
420 = 420 bar	400 = 400 bar

(mm)

..DB... (16 25 32)

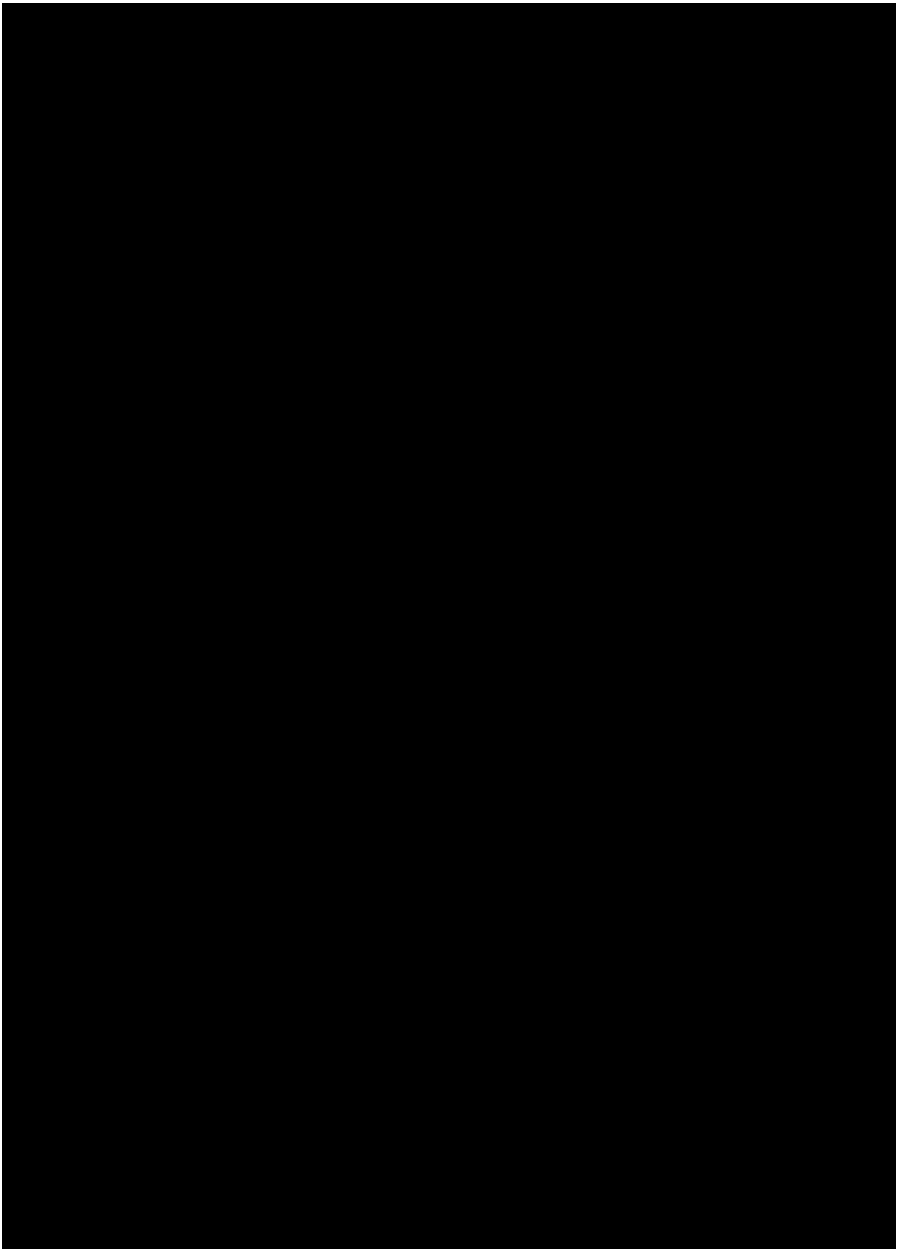
L-LFA..DB..- 7X/..
16 25 32





	16	25	32
H1	40	40	50
H2	17	19	26
H3	15	24	28
H4	19	19	26
L1	65	85	100
L2	80	85	100
L3	36.5	49	56.5
L4	32.5	45.5	53
Kg	1.7	2.1	3.8

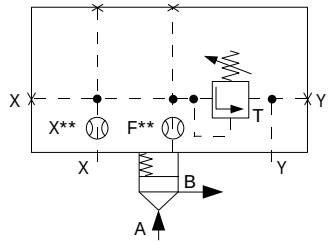
1	X
2	
3	“ 2 ”
4	“ 1 ”
5	“ 3 ”
6	“ 4 ”
7	
8	
9	

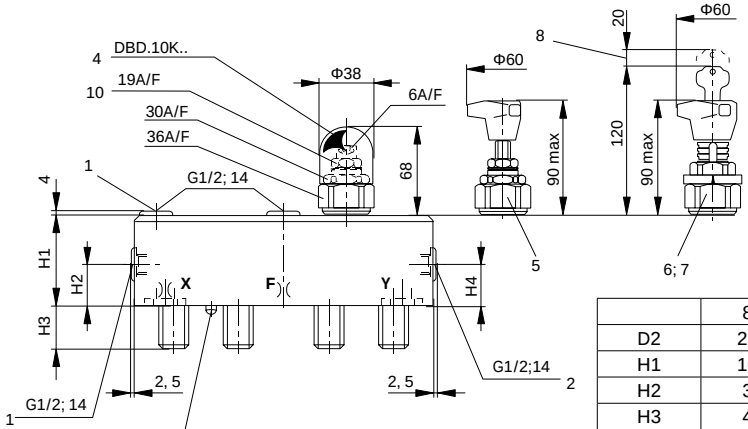


(mm)

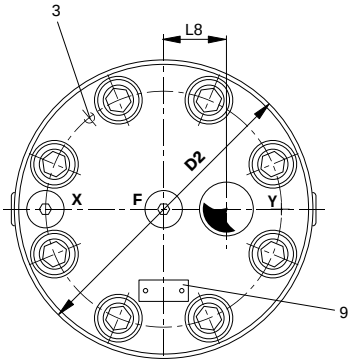
..DB... (80 100)

LFA...DB.-6X/...
80 100

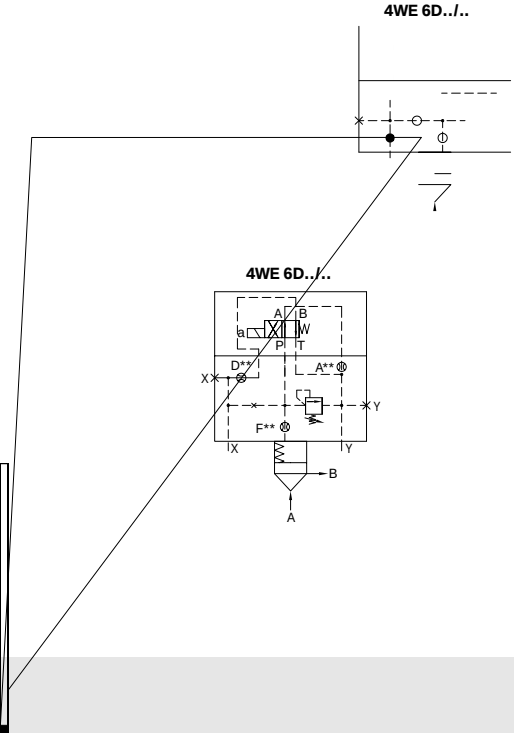




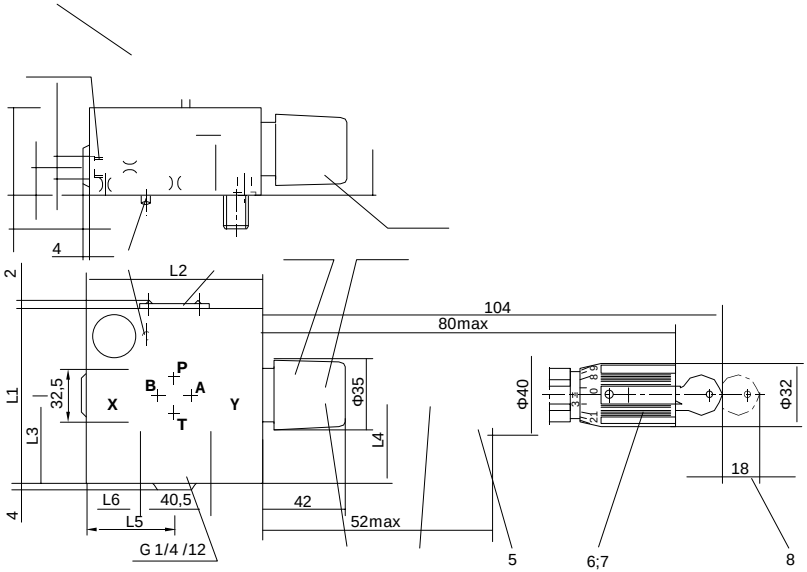
	80	100
D2	250	300
H1	100	100
H2	38	38
H3	45	51
H4	58	58
L8	50	50



1 X
2 Y
3
4 “ 2 ”
5 “ 1 ”
6 “ 3 ”
7 “ 4 ”
8
9
10


4WE 6D../..
4WE 6D../..
A
B
a
P
T
W
D**
A**
X
Y
F**
X
Y
B
A

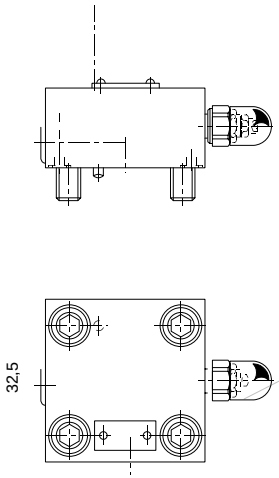
..DBW... (16 25 32)



	H1	H2	H3	H4	H5	L1	L2	L3	L4	L5	L6	L7	kg
16	40	17	15	19	28	65	80	36.5	32.5	35	7	17	1.7
25	40	19	24	19	28	85	85	49	45.5	36	8	27	2.1
32	50	26	28	26	37	100	100	56.5	53	57	31	34.5	3.8

1 X
2 Y
3
4 “ 2 ”
5 “ 1 ”
6 “ 3 ”

..DBW...; ..DBS... (40 50)



	D1	T1	H1	H2	H3	H4	H5	L1	L3	L4	L5	L6	L7	kg
40	G1/4	12	60	46	32	27	40	125	62.5	76	68	43.5	47	6.8
50	G1/2	14	68	51	34	35	50	140	67.5	84	74.5	51	54.5	9.6

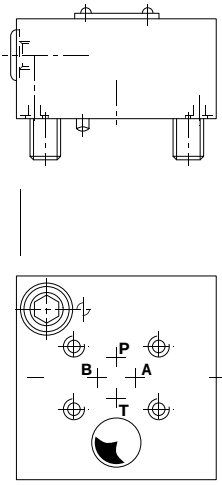
1 X
2 Y
3
4 “ 2 ”
5 “ 1 ”
6 “ 3 ”
7 “ 4 ”
8
9
10
11 WE6 M5×50-10.9 GB/T70.1

Φ60

WE6 ...

Φ60

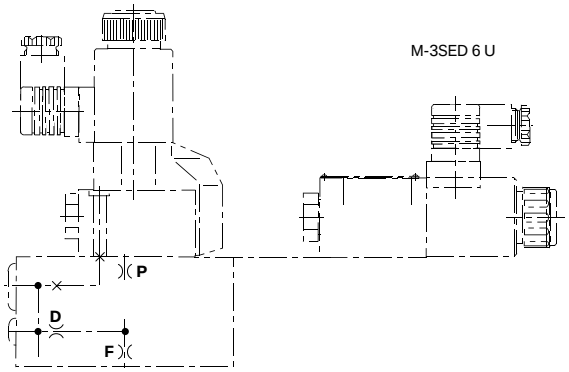
Φ35

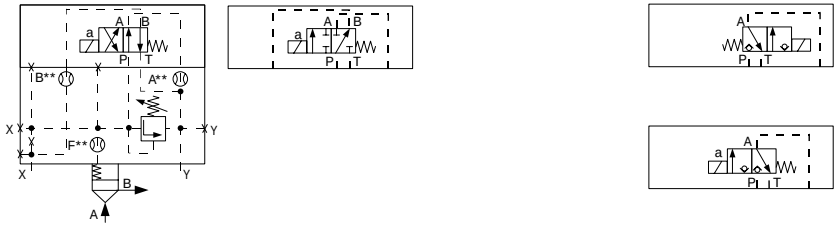


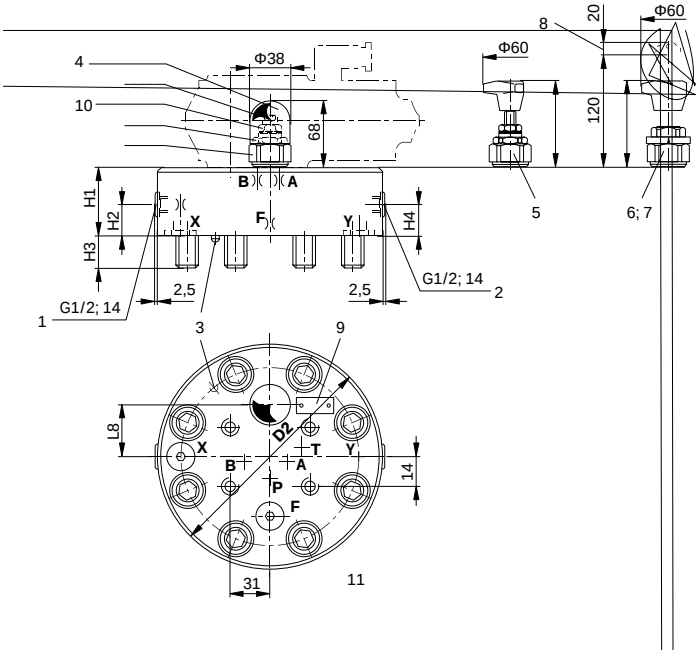
LFA..DBS.-.../...

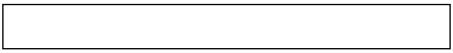
M-3SED 6 U

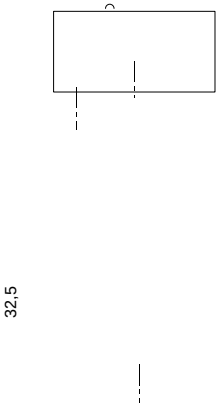
M-3SEW6 $^{U}_{C}$../

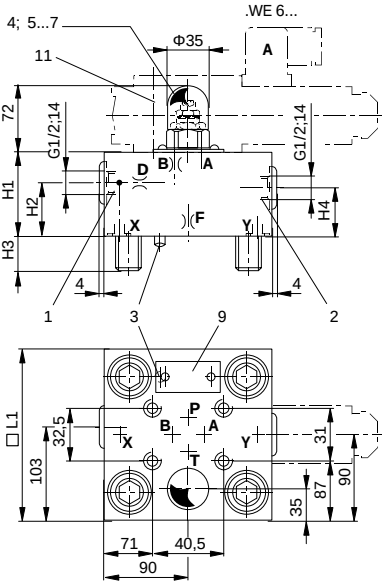


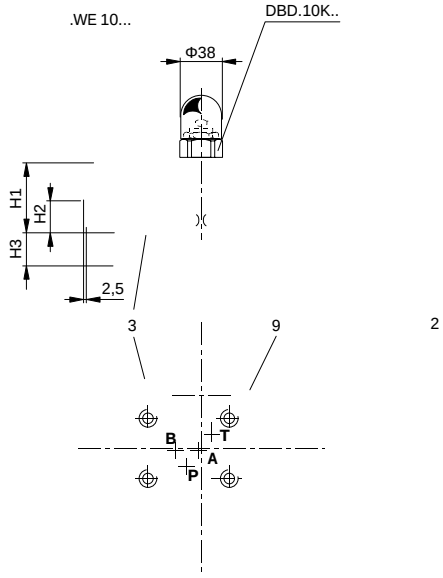

A
B
a
P
T
B**
A**
F**
X
Y
B
A


Φ38
Φ60
Φ60
4
10
8
20
68
120
H1
H2
H3
H4
B
A
X
F
Y
5
6; 7
2,5
2,5
G1/2; 14
G1/2; 14
1
2
3
9
L8
D2
T
14
P
31
11




32,5


.WE 6...
4; 5...7
11
Φ35
A
72
G1/2;14
G1/2;14
H1
H2
H3
H4
D
B
A
X
F
Y
4
4
1
3
9
2
□L1
32,5
103
P
B
A
X
Y
T
31
90
87
35
71
40,5
90


.WE 10...
DBD.10K..
Φ38
H1
H2
H3
2,5
3
9
2
B
T
A
P

2

..DBU2A...; ..DBU2B... (16 100)

L-LFA | | | – 7X / | A... | |

16 = 16
25 = 25
32 = 32
40 = 40
50 = 50
63 = 63
80 = 80
100 = 100

-DB1 4 WE..D
- 4 WE..H
-DBmax 4 WE..D =DBU2B
(

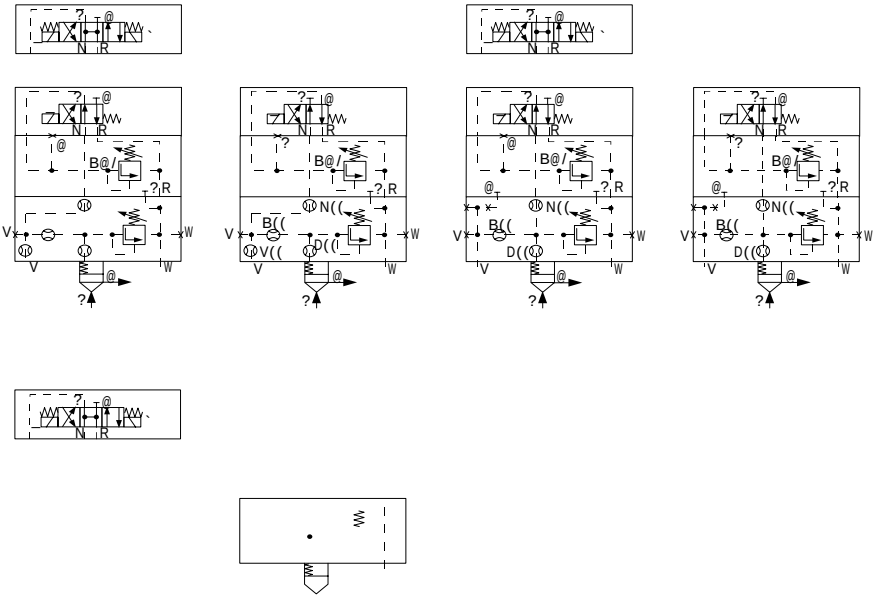
=1
=2
=3
(H-
=4

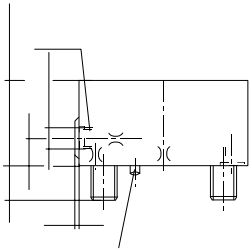
DBmax DB1

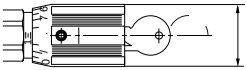
=
V =
( )
!

16 25 32	40 50 63
025 = 25 bar	025 = 25 bar
050 = 50 bar	050 = 50 bar
100 = 100 bar	100 = 100 bar
200 = 200 bar	200 = 200 bar
315 = 315 bar	315 = 315 bar
420 = 420 bar	400 = 400 bar

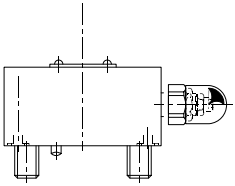
6X= 80 100 60 69
(60 69)
7X= 16 63 70 79
(70 79)



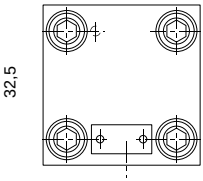




4 WE 6...



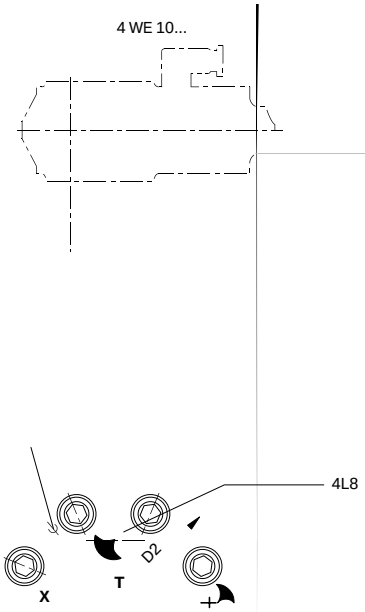
32,5



32A/F
30A/F
19A/F
6A/F

4 WE 6...

32A/F
30A/F
19A/F
6A/F



6A/F

19A/F

30A/F

36A/F

3

..DBU3D... (16 100)

L-LFA | | DBU3D | – 7X / | A... | B... | |

16 = 16
25 = 25
32 = 32
40 = 40
50 = 50
63 = 63
80 = 80
100 = 100

(DB1 DB2) *)

=1
=2
=3
(H-
=4

60 69 80 100 =6X
(60 69
70 79 16 63 =7X
(70 79

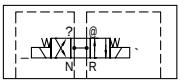
DBmax DB2
DB1

=
V =
( )
!

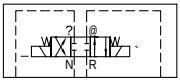
16 25 32	40 50 63
025 = 25bar	025 = 25bar
050 = 50bar	050 = 50bar
100 =100bar	100 = 100bar
200 = 200bar	200 = 200bar
315 = 315bar	315 = 315bar
420 = 420bar	400 = 400bar

* DB1 DB2

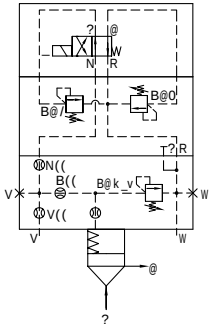
2UC4 F,,-,,,

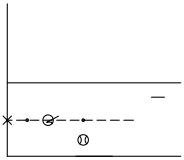


2UC4 C,,-,,,



2UC4 B,,-,,,





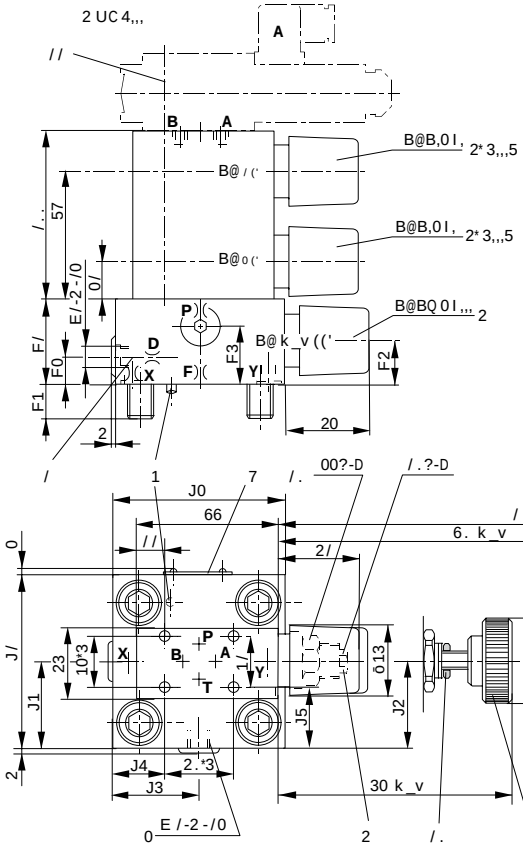
L-LFA...DBU3D.-7X/...
16 25 32

L-LFA...DBU3D.-7X/...
40 50 63

L-LFA...DBU3D.-7X/...
80 100

3

..DBU3D... (16 25 32)



1	X
2	Y
3	
4	“ 2 ”
5	“ 1 ”
6	“ 3 ”
7	“ 4 ”
8	
9	
10	
11	WE6
	M5 × 150-10.9 GB/T70.1

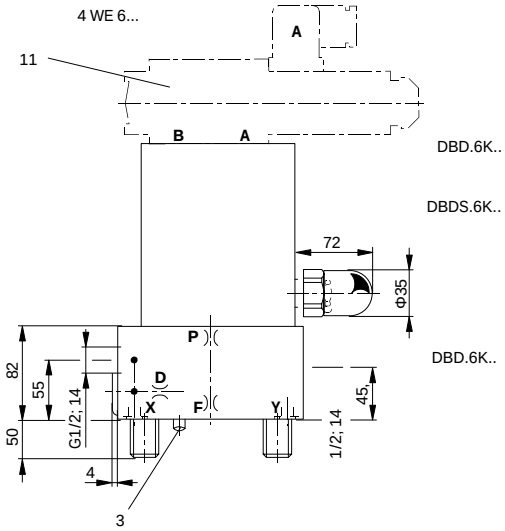
*) DB1 DB2

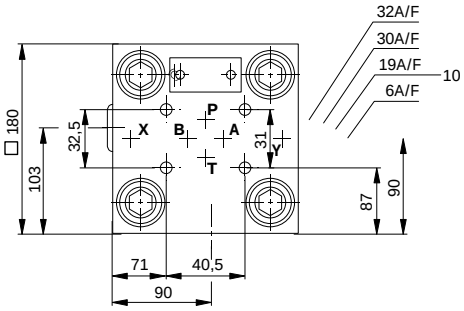
**) DB “ 2 ”

	H1	H2	H3	H4	H5	L1	L2	L3	L4	L5	L6	L7	kg
16	40	17	15	19	28	65	80	36.5	32.5	35	7	17	4.7
25	40	19	24	19	28	85	85	49	45.5	36	8	27	5.1
32	50	26	28	26	37	100	100	56.5	53	57	31	34.5	6.8

3

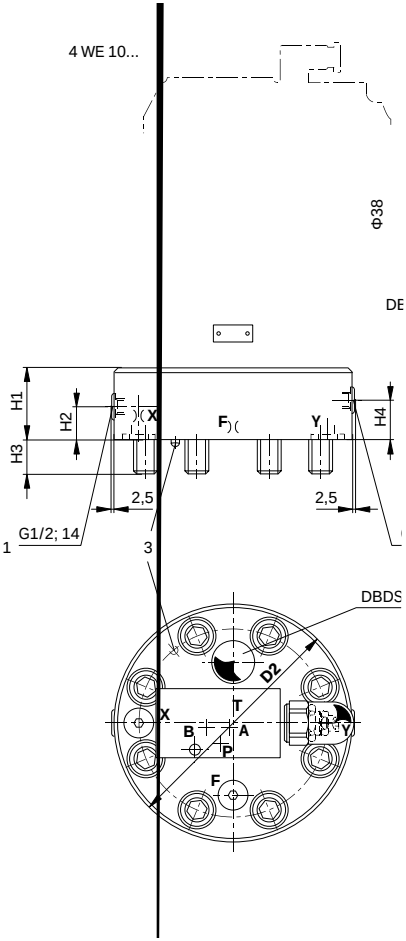
..DBU3D... (63)





Φ60 Φ60

1 X
2 Y
3
4 “ 2 ”
5 “ 1 ”
6 “ 3 ”
7 “ 4 ”


4 WE 10...
Φ38
DE
H1
H2
H3
H4
X
F
Y
2,5
2,5
G1/2; 14
1
3
DBDS
D2
T
X
B
A
Y
P
F

, :mm

..DBE... (16 63)

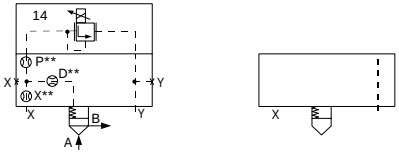
L-LFA | | DBE — 7X /

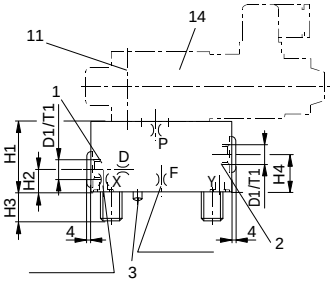
=
V =
( )
:
!

16 =16 40= 40
25 =25 50= 50
32 =32 63= 63

= DBE

7X= 70 79
(60 69)





1 X
2 Y
3
9

,

:mm

..DBEM... (16 100)

L-LFA | | DBEM – ⁄ | |

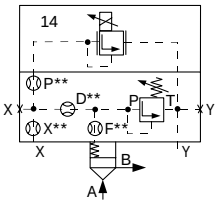
16 = 16
25 = 25
32 = 32
40 = 40
50 = 50
63 = 63
80 = 80
100 = 100

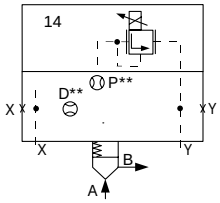
=DBEM

60 69 80 100 =6X
(60 69
70 79 16 63 =7X
(70 79

=
V =
( )
!

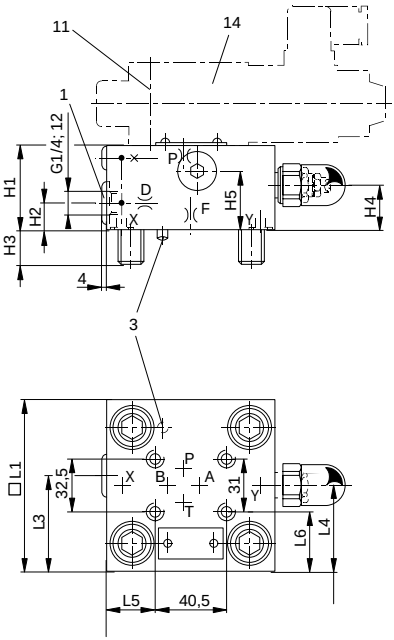
16, 25 32	40, 50, 63, 80, 100
025 = 25bar	025 = 25bar
050 = 50bar	050 = 50bar
100 =100bar	100 = 100bar
200 = 200bar	200 = 200bar
315 = 315bar	315 = 315bar
420 = 420bar	400 = 400bar



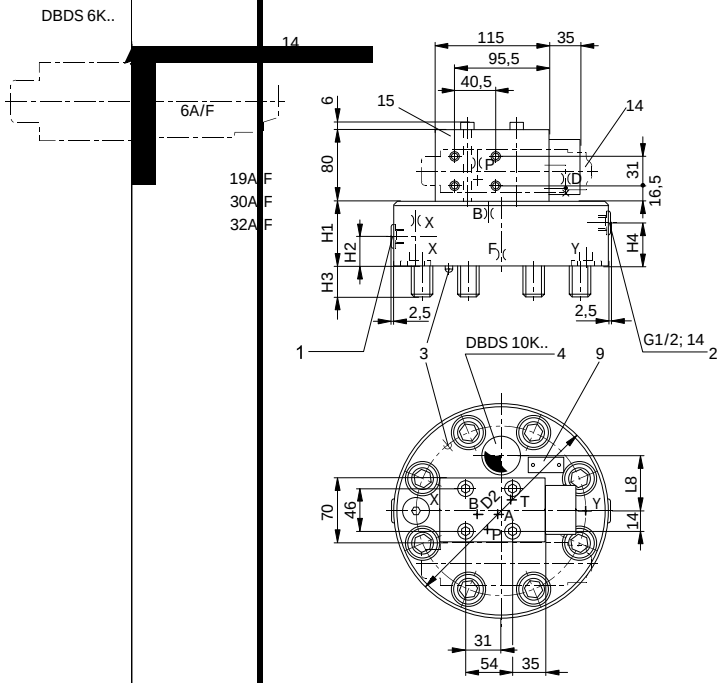


Zero
pressure

Zero
pressure


11
14
1
G1/4; 12
H1
H2
H3
P
D
F
X
Y
H5
H4
4
3
□L1
32,5
L3
X
B
P
A
T
31
Y
L6
L4
L5
40,5

..DBEM... (63 80 100)



1 X
2 Y
3
4 “ 2 ”
9
10

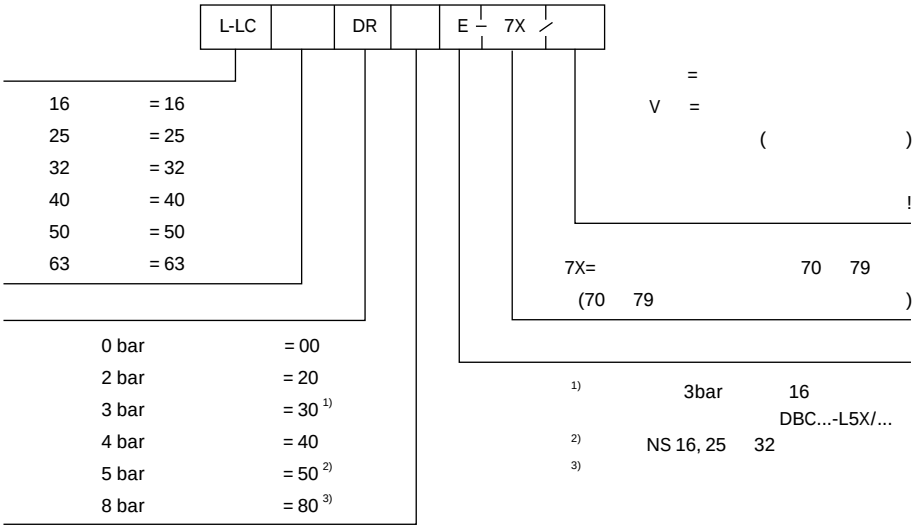
	H1	H2	H3	H4	D2	□ L1	L8
63	82	55	50	45		180	
80	100	30	45	52	250		75
100	100	30	51	52	600		85

5.2-2(1)

—

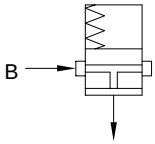
插装阀 L-LC.DR... 型

L-LFA..DB..



:

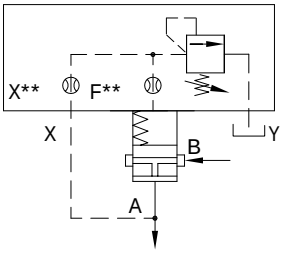
L-LC..DR..



	A B bar	315					
		16	25	32	40	50	63
( )	L-LC..DR20.../.. L/min	100	200	300	750	1000	1600
	L-LC..DR40.../..	150	300	450	1000	1300	2000
kg		0.25	0.5	1.1	1.9	3.9	7.2
		-					
		-					
		-30 +80 ( )					
		-20 +80 ( )					
mm^2/s		2.8 380					
		NAS1638 9 ISO4406 20/18 /15 [1)]					

[1] , ,

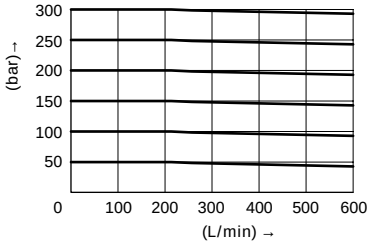
LC..DR... **LFA..DB...**

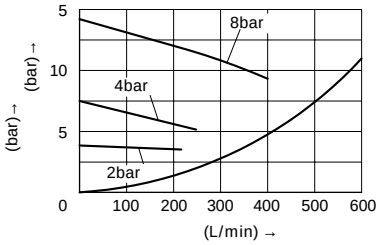


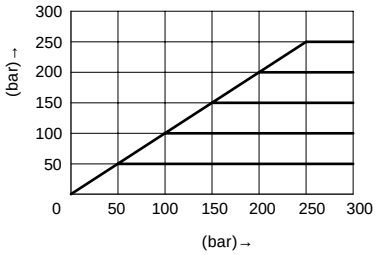
: L-LFA..DB... / L-LC..DR40...

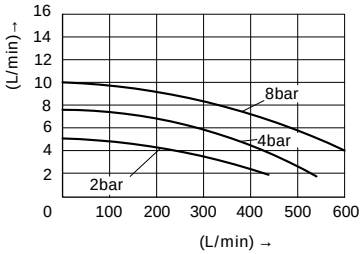
HLP46 ϑ =40 ±5

L-LC 32 DR...



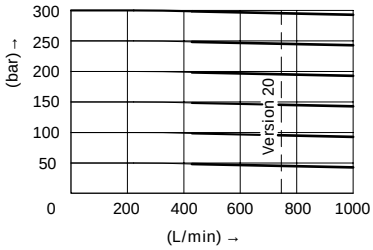


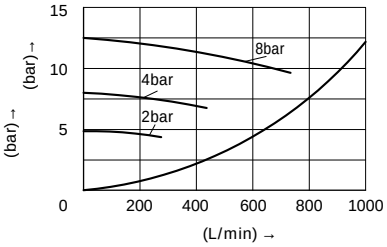


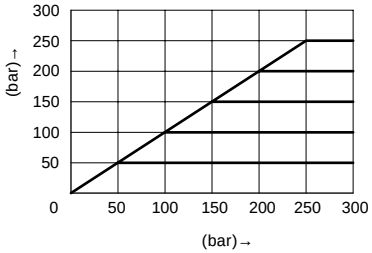


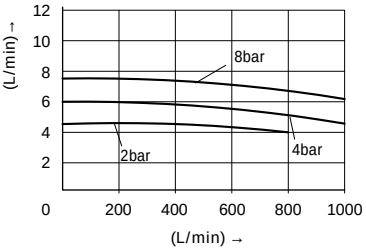
pa=50bar

L-LC 40 DR...

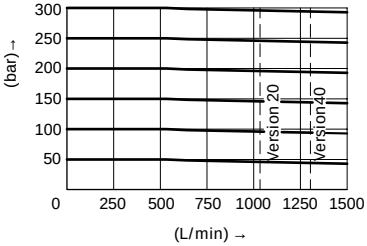


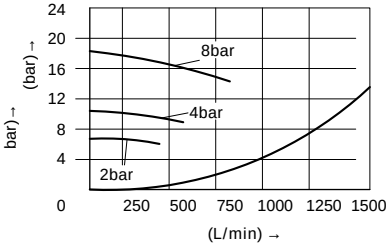


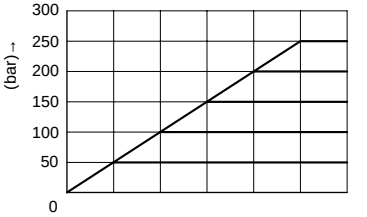


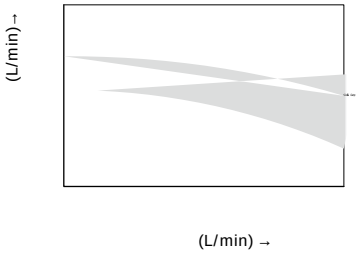


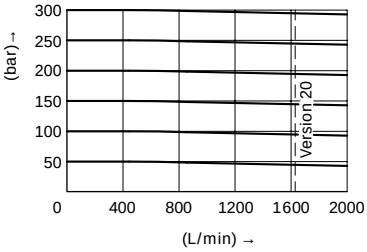
pa=50bar

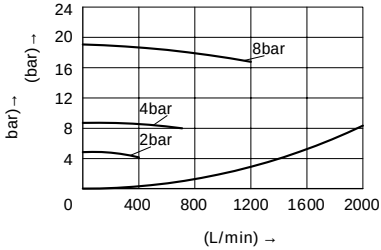

(bar) →
300
250
200
150
100
50
0
250
500
750
1000
1250
1500
(L/min) →
Version 20
Version 40

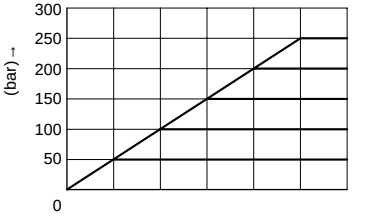

bar) →
(bar) →
24
20
16
12
8
4
0
250
500
750
1000
1250
1500
(L/min) →
8bar
4bar
2bar

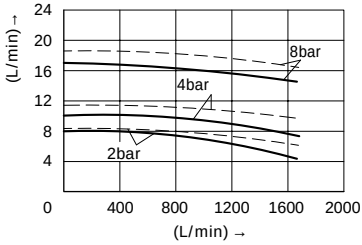

(bar) →
300
250
200
150
100
50
0


(L/min) →
(L/min) →


(bar) →
300
250
200
150
100
50
0
400
800
1200
1600
2000
(L/min) →
Version 20

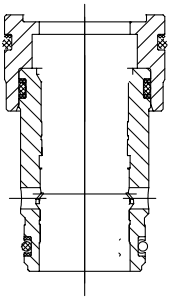

bar) →
(bar) →
24
20
16
12
8
4
0
400
800
1200
1600
2000
(L/min) →
8bar
4bar
2bar


(bar) →
300
250
200
150
100
50
0


(L/min) →
24
20
16
12
8
4
0
400
800
1200
1600
2000
(L/min) →
8bar
4bar
2bar

pa=50bar

O L-LC..



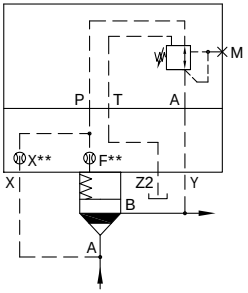
L-LC..DR... **L-LC..DR...**

	16	25	32
1	21.2 × 1.8	28 × 2.65	40 × 2.65
2	22.4 × 2.65	32.5 × 2.65	43.7 × 3.55
3	26.5 × 2.65	38.7 × 3.55	54.5 × 3.55
4	20 × 2.65	30 × 2.65	37.5 × 3.55

	40	50	63
5	48.7 × 3.55	61.5 × 3.55	80 × 5.3
6	69 × 3.55	80 × 5.3	109 × 5.3
7	67 × 3.55	77.5 × 5.3	106 × 5.3

	-					
	-30 +80 ( )					
	-20 +80 ( )					
mm^2/s	2.8 380					
	NAS1638 9 ISO4406 20/18/15 [1]					
	16	25	32	40	50	63
kg	3.1	3.6	5.2	8	11.4	20.85.2

...		L-LFA..DR.-../... L-LFA..DRW.-../...
...X ( )		315bar
...Y (=)		315bar
...Z2		0 (2bar)
		60bar



L-LFA..DR...
L-LC..DB...

L-LFA..DR...
L-LC..DB 40 D...

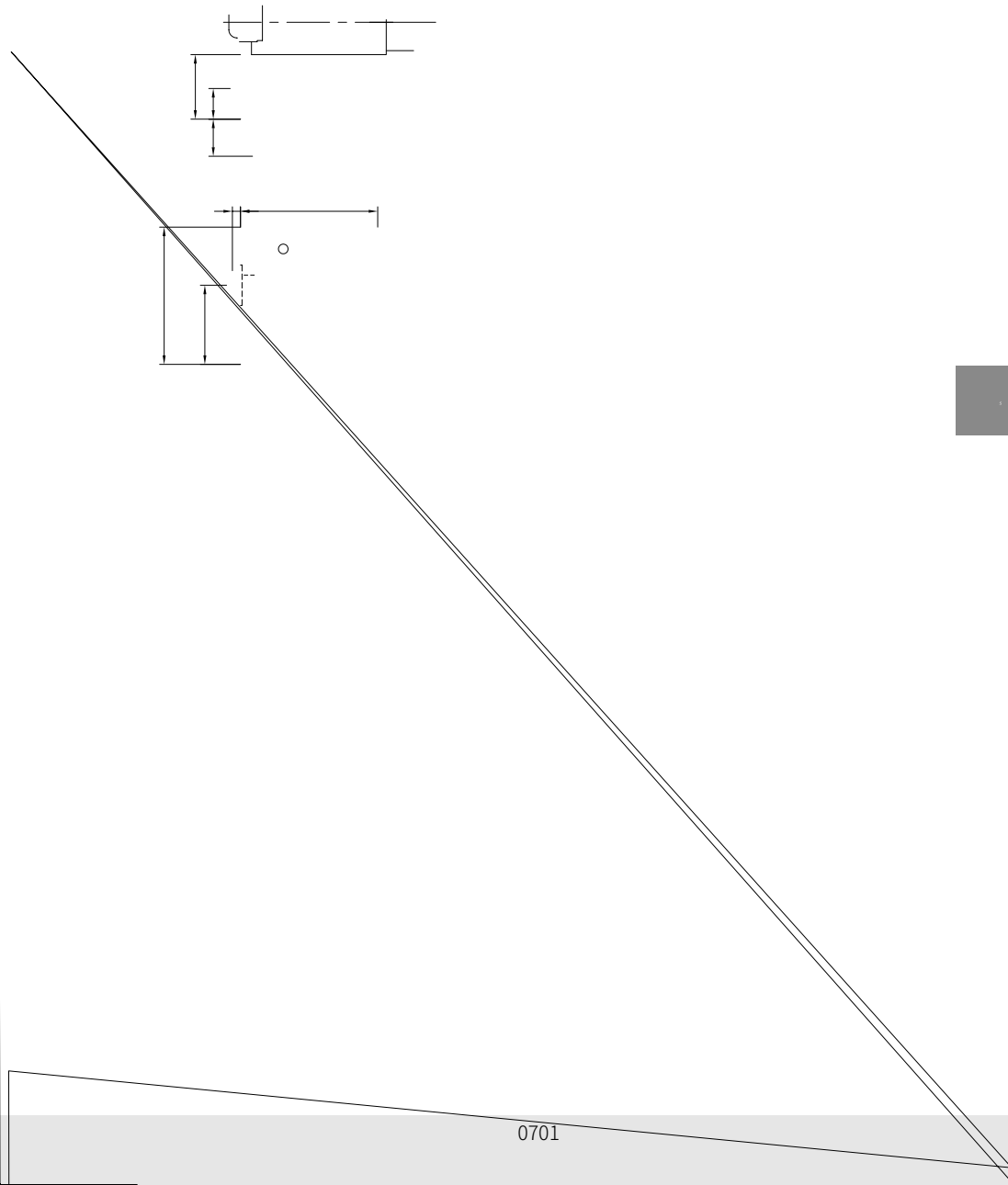
X Y Z1 Z2 O

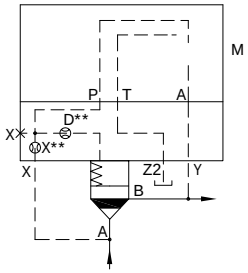
	mm
16	8 × 1.8
25	9.25 × 1.78
32	10.82 × 1.78

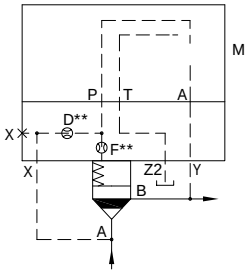
	mm
40	12 × 2.5
50	
63	18.72 × 2.62

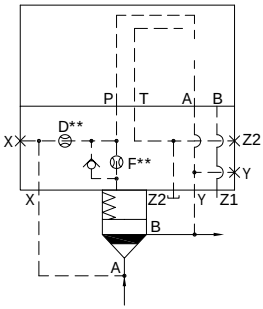
GB/T70.1 10.9			
			(Nm)
16	4	M8 × 45	32
25		M12 × 50	110
32		M16 × 60	270

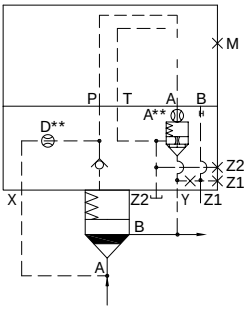
GB/T70.1 10.9			
			(Nm)
40	4	M20 × 70	520
50		M20 × 80	520
63		M30 × 100	1800

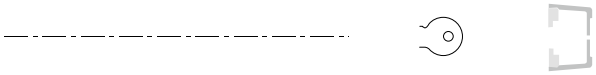



M
P
T
A
D**
X
X**
X
Z2
Y
B
A

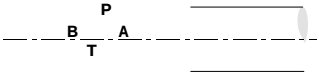

M
P
T
A
D**
X
F**
X
Z2
Y
B
A


P
T
A
B
D**
X
F**
Z2
Y
X
Z2
Y
Z1
B
A

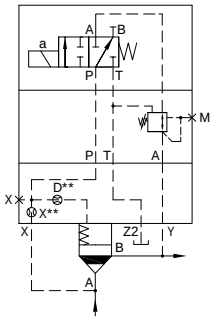

M
P
T
A
B
A**
D**
Z2
Z1
X
Z2
Y
Z1
B
A

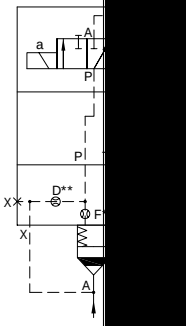


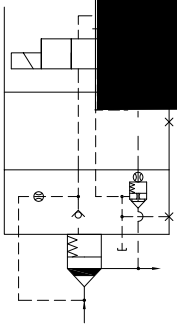
X Y



Z2

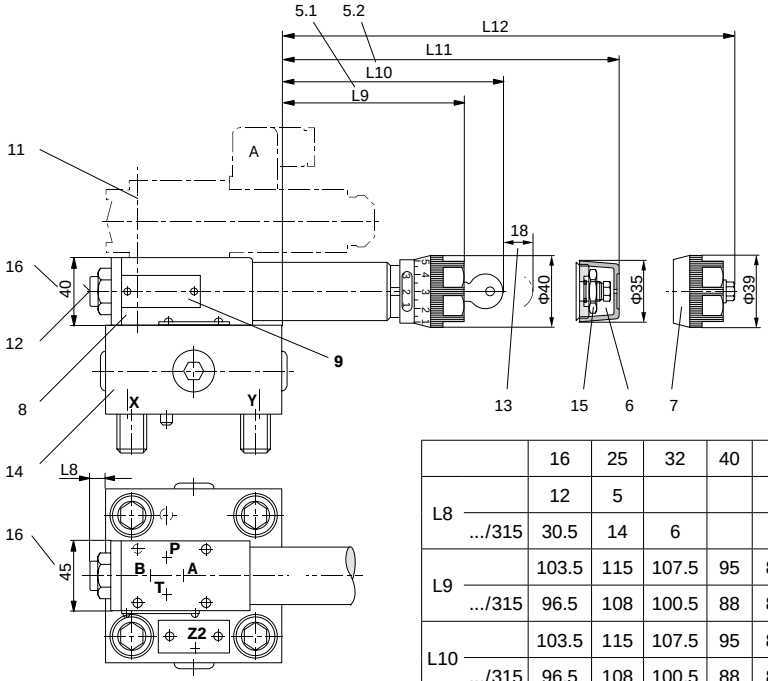

a
A
B
P
T
M
D**
X**
X
Z2
Y


a
A
P
D**
X



mm

..DRW... (16 63)



	16	25	32	40	50	63
L8	12	5				
.../315	30.5	14	6			
L9	103.5	115	107.5	95	87.5	71.5
.../315	96.5	108	100.5	88	80.5	64.5
L10	103.5	115	107.5	95	87.5	71.5
.../315	96.5	108	100.5	88	80.5	64.5
	“ 49/64 ”					

5.1 "4"

5.2 "3"

6 "2"

7 "1"

8

9

11

GB/T70.1-M5 × 90-10.9 M_A=8.9Nm

( )

3WE6B9...

12 G1/4 12

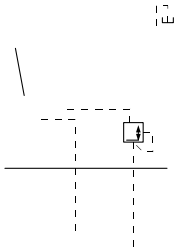
A/F6

13

14

15 A/24F

16 .../315 → 50 mm



5.2-3

—

控制盖板 L-LFA.DZ... 型

	-
	-30 +80 ( )
	-20 +80 ( )
mm^2/s	2.8 380
	NAS1638 9 ISO4406 20/18/15 [1]

[1]

	LFA..DZ.-../...	LFA..DZW.-../...	
		/....	/...Y
		/...X	/...XY
...X; ...Z2	315bar		
Y	0 (2bar)		
	315 bar	210bar (=); 160bar (~)	
Z1	0 (2bar)		
	315 bar	210bar (=); 160bar (~)	315bar
	210bar, 315bar, 350bar		

X, Y, Z1, Z2 O ( )

16	8 × 1.8
25	9.25 × 1.78

32	10.82 × 1.78
40, 50	12 × 2.5

( )

GB/T70.1 10.9			
			(Nm)
16	4	M8 × 115	32
25		M12 × 120	110
32		M16 × 120	270

GB/T70.1 10.9			
			(Nm)
40	4	M20 × 70	520
50		M20 × 80	520

..DZ... (16 50)

L-LFA | | DZ | – 7X ⁄ | | |

16 = 16
25 = 25
32 = 32
40 = 40
50 = 50

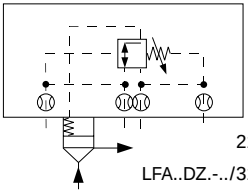
=
V =
( )
!

=1
=2
=3
(H-
=4

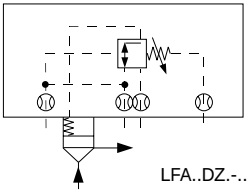
70 79 =7X
(70 79

=		
X =		
Y =		
XY =		

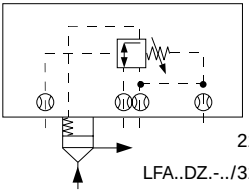
( )
210= 210 bar
315= 315 bar
350= 350 bar



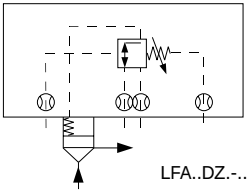
210
LFA..DZ.-../315
350



210
LFA..DZ.-../315Y
350

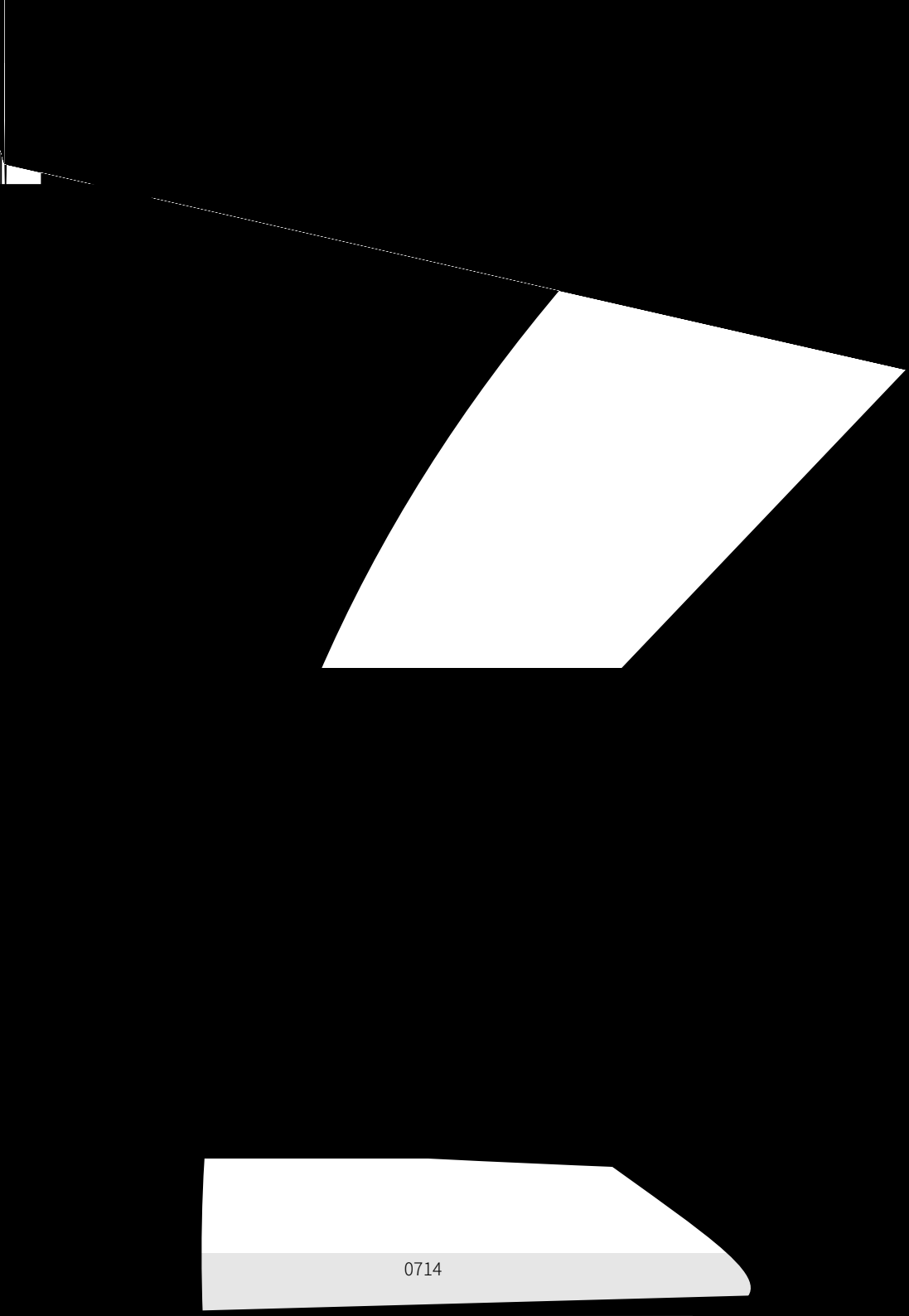


210
LFA..DZ.-../315X
350



210
LFA..DZ.-../315XY
350

mm



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