

Mounting subplates type BA

single, for ISO valves size 06 to 32

BA-* are single subplates with ISO mounting surface for installation of Atos valves and they are provided with threaded ports for connections to pressure, tank and users lines. They are characterized by low pressure drops and they are specific for directional, flow and pressure control valves ISO size 06, 10, 16, 20, 25 and 32;

Special subplates or manifolds for customized applications are available upon request.

The set of screws for the valve installation on the BA subplate must be ordered separately, see the code SET SC-* specified in the following sections.

1 TECHNICAL CHARACTERISTICS

Installation position	Any position
Operating pressure	Ports P, T, A, B = 350 bar See technical table of the valves to be assembled
Ambient temperature range	-30°C ÷ +70°C
Fluid	Hydraulic oil as per DIN 51524...535, for other fluids contact our technical office
Recommended viscosity	15÷100 mm ² /s - max allowed range: see the technical table of the valves to be assembled
Max fluid contamination level	See technical table of the valves to be assembled and filter section at www.atos.com or KTF catalog
Fluid temperature	See technical table of the valves to be assembled
Surface protection	zinc coating with black passivation
Corrosion resistance	Salt spray test (EN ISO 9227) > 200 h
Compliance	RoHS Directive 2011/65/EU as last update by 2015/863/EU REACH Regulation (EC) n°1907/2006

2 SINGLE STATION SUBPLATES FOR VALVES SIZE 06

ISO 4401:2005
Mounting surface: 4401-03-03-0-05

Matching valves

Set of screw
(to be ordered separately)

DH-00, DH-01	SET SC-DHZ
DH-02, DH-04	SET SC-DHZ
DH-05, DH-08	SET SC-DHZ
DH-09	SET SC-DHZ
DHA, DHW	SET SC-DHZ
DHE, DHL	SET SC-DH
DHQ	SET SC-DHZ
DLEH, DLEHM	SET SC-DH
DLAH, DLAHM	SET SC-DHZ
DLWH	SET SC-DHZ
QV-06	SET SC-QV
RZMO, RZMA	SET SC-DHZ
RZME	SET SC-DH
RZGO, RZGA	SET SC-DHZ
RZGE	SET SC-DH
DHZO, DHZA	SET SC-DHZ
DHZE, DHRZE	SET SC-DH
DLHZO, DLHZA	SET SC-DHZ
QVHZO-*06	SET SC-DHZ
QVHZA	SET SC-DHZ

BA-302/Y

VERSIONS

BA-202: basic version without ports X and Y; ports P, A, B, T (3/8") on the base.

BA-204: basic version without ports X and Y; ports P and T (3/8") on the base; ports A and B (3/8") on the side.

BA-302: basic version without ports X and Y; ports P, A, B, T (1/2") on the base.

BA-302/Y: version dimensionally identical to the corresponding basic version with the addition of X and Y ports (1/8") on the base (see figure on the left).

The /Y version is always used for DHZO and DLHZO valves when drain from port Y is required.

X and Y ports are only present in the /Y versions.

Code	Ports (GAS) A,B,P,T (X-Y)	Ø Counterbore S [mm]	R [mm]	Mass [Kg]
BA-202	3/8"	—	—	1,2
BA-204	3/8"	—	25,5	1,8
BA-302 (Y)	1/2" (1/8")	30	16,5	1,8

ISO 4401:2005

Mounting surface: 4401-05-05-0-05

Matching
valves

Set of screw
(to be ordered
separately)

DK-11	SET SC-DK/DP-1
DK-12	SET SC-DK/DP-1
DKE, DKEP	SET SC-DK/DP-1
DKZOR	SET SC-DK/DP-1
DKZA	SET SC-DK/DP-1
DLKZOR	SET SC-DK/DP-1
DLKZA	SET SC-DK/DP-1
DKA/MA	SET SC-DK/DP-1
DP-11	SET SC-DK/DP-1
DP-14	SET SC-DK/DP-1
DP-15	SET SC-DK/DP-1
DPH-18	SET SC-DK/DP-1
DPH-19	SET SC-DK/DP-1
DPHL-1	SET SC-DK/DP-1
DPHE-1	SET SC-DK/DP-1
DPHA-1	SET SC-DK/DP-1
DPHW-1	SET SC-DK/DP-1
DPZO-*-1	SET SC-DK/DP-1
DPZE-*-1	SET SC-DK/DP-1
DPZA-*-1	SET SC-DK/DP-1

BA-308/Y

BA-428/Y

BA-434/Y

VERSIONS

BA-308: basic version without ports X and Y; ports P, A, B, T (1/2") on the base.

BA-428: basic version without ports X and Y; ports P, A, B, T (3/4") on the base.

BA-434: basic version without ports X and Y; ports P and T (3/4") on the base; ports A and B (3/4") on the side.

BA-*Y:** versions dimensionally analogous to the corresponding basic versions with the addition of X and Y ports (1/4") on the base (see figure on the left).

The /Y versions are always used for valves type DKZOR, DLKZO, when drainage from port Y is required.

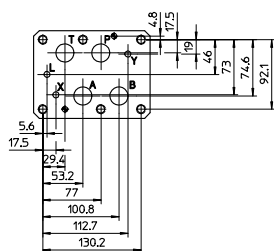
X and Y ports are only present in the /Y versions.

Code	Ports (GAS) A,B,P,T _i (X-Y)	Ø Counterbore S [mm]	R [mm]	Mass [Kg]
BA-308 (Y)	1/2" (1/4")	30	21,5	2,5
BA-428 (Y)	3/4" (1/4")	36,5	21,5	5,5
BA-434 (Y)	3/4" (1/4")	36,5	21,5	8,5

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5 SINGLE STATION SUBPLATES FOR VALVES SIZE 25

ISO 4401:2005
Mounting surface: 4401-08-08-0-05

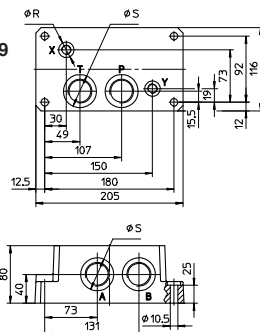


Matching
valves

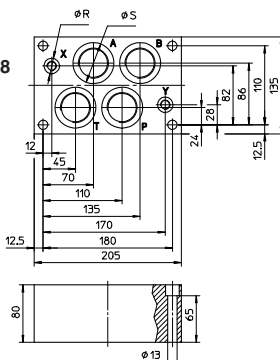
Set of screw
(to be ordered
separately)

DP-41	SET SC-DP4
DP-44	SET SC-DP4
DP-45	SET SC-DP4
DPH-48	SET SC-DP4
DPH-49	SET SC-DP4
DPHL-4	SET SC-DP4
DPHE-4	SET SC-DP4
DPHA-4	SET SC-DP4
DPHW-4	SET SC-DP4
DPZO-*-4	SET SC-DP4
DPZE-*-4	SET SC-DP4
DPZA-*-4	SET SC-DP4

BA-509



BA-618



VERSIONS

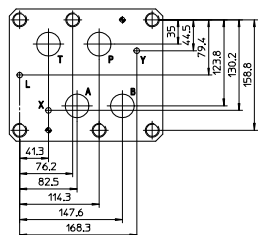
BA-509: basic version with ports P, T (1") and X, Y (1/4") on the base, ports A, B (1") on the side.

BA-618: basic version with ports P, A, B, T (1 1/4") and X, Y (1/4") on the base.

Code	Ports (GAS) A,B,P,T	X-Y	Ø Counterbore S [mm]	R [mm]	Mass [Kg]
BA-509	1"	1/4"	46	21,5	12,5
BA-618	1 1/4"	1/4"	57	21,5	13,5

6 SINGLE STATION SUBPLATES FOR VALVES SIZE 32

ISO 4401:2005
Mounting surface: 4401-10-09-0-05

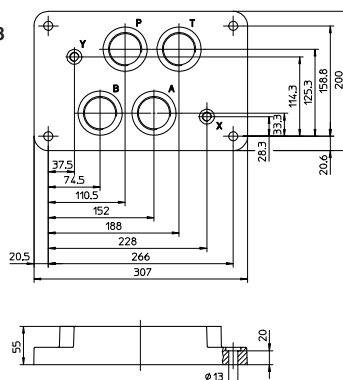


Matching
valves

Set of screw
(to be ordered
separately)

DP-64	SET SC-DP6
DP-65	SET SC-DP6
DPH-68	SET SC-DP6
DPH-69	SET SC-DP6
DPHL-6	SET SC-DP6
DPHE-6	SET SC-DP6
DPHA-6	SET SC-DP6
DPZO-*-6	SET SC-DP6
DPZE-*-6	SET SC-DP6
DPZA-*-6	SET SC-DP6

BA-708



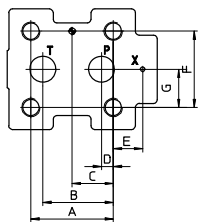
VERSIONS

BA-708: basic version with ports P, A, B, T (1 1/2") and X, Y (1/4") on the base.

Code	Ports (GAS) A,B,P,T	X-Y	Ø Counterbore S [mm]	R [mm]	Mass [Kg]
BA-708	1 1/2"	1/4"	63,5	21,5	17

7 SINGLE STATION SUBPLATES FOR PRESSURE CONTROL VALVE SIZE 10, 20 AND 32

**Mounting surface
ISO 6264: 1998**



Matching valves Set of screw
to be ordered separately

AGAM-10	SET SC-AGA-10
AGMZO-10	SET SC-AGA-10
AGMZE-10	SET SC-AGA-10
AGMZA-10	SET SC-AGA-10
AGAM-20	SET SC-AGA-20
AGMZO-20	SET SC-AGA-20
AGMZE-20	SET SC-AGA-20
AGMZA-20	SET SC-AGA-20
AGAM-32	SET SC-AGA-32
AGMZO-32	SET SC-AGA-32
AGMZE-32	SET SC-AGA-32
AGMZA-32	SET SC-AGA-32

size	A	B	C	D	E	F	G
10	53,8	47,5	22,1	22,1	-	53,8	26,9
20	66,7	55,6	33,4	11,1	23,8	70	35
32	88,9	76,2	44,5	12,7	31,8	82,6	41,3

**BA-306
Mounting surface
ISO 6264-06-09-0-97**

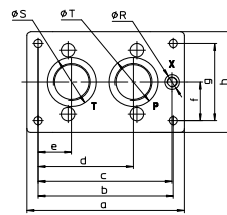
matching valves:
AGAM-10
AGMZO--10
AGMZA--10

**BA-506
Mounting surface
ISO 6264-08-13-0-97**

matching valves:
AGAM-20
AGMZO--20
AGMZA--20

**BA-706
Mounting surface
ISO 6264-10-17-0-97**

matching valves:
AGAM-32
AGMZO--32
AGMZA--32



**BA-306
BA-506
BA-706**

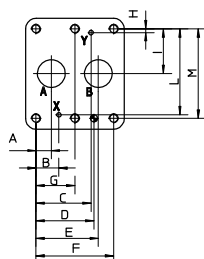
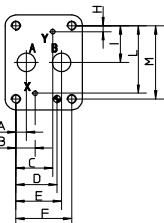
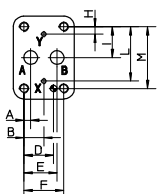
Code	a	b	c	d	e	f	g	h	i	l	m	Ø Blade S R T
BA - 306	130	104	97	64,5	19,5	27	54	80	40	8,4	15	36,5 21,5 30
BA - 506	180	150	133,25	92,25	37,25	37,5	75	105	50	10,5	13	46 21,5 46
BA - 706	204	175	173,5	123,5	43,5	50	100	130,5	60	10,5	13	63,5 21,5 63,5

VERSIONS

BA-306, BA-506, BA-706: basic version, see figure on left and dimensional tables.

Code	size	Ports (GAS)			Mass [Kg]
		P	T	X	
BA - 306	10	1/2"	3/4"	1/4"	1,5
BA - 506	20	1"	1"	1/4"	3,5
BA - 706	32	1 1/2"	1 1/2"	1/4"	6

**Mounting surface
ISO 5781: 2000**



Matching valves Set of screw
to be ordered separately

AGI*-10(20)	SET SC-AGI
AGRL(E)-10(20)	SET SC-AGI
AGRCZO-10(20)	SET SC-AGI
AGRCZE-10(20)	SET SC-AGI
AGRCZA-10(20)	SET SC-AGI
AGI*-32	SET SC-AGI-32
AGRL(E)-32	SET SC-AGRL-32

**Mounting surface
ISO 5781-06-07-0-00**

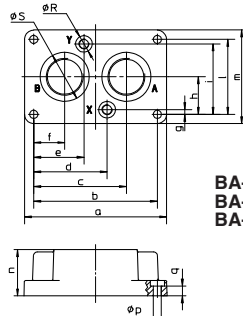
matching valves:
AGI*-10
AGRL-10
AGRL-10
AGRZO--10

**Mounting surface
ISO 5781-08-10-0-00**

matching valves:
AGI*-20
AGRL-20
AGRL-20
AGRZO--20

**Mounting surface
ISO 5781-10-13-0-00**

matching valves:
AGI*-32
AGRL-32
AGRL-32



**BA-305
BA-505
BA-705**

Code	a	b	c	d	e	f	g	h	i	l	m	n	p	q	Ø Blade S R
BA - 305	113	90	67	45	45	23	8	33,3	58,7	66,7	90	30	10,5	10	30 21,5
BA - 505	133	110	82,5	64,5	45,5	27,5	6,4	39,7	73	79,4	102,5	42	10,5	10	46 21,5
BA - 705	184	160	120	95	65	40	6	48,5	91	97	121	60	10,5	13	63,5 21,5

VERSIONS

BA-305, BA-506 and BA-705: see figure on left and dimensional tables.

Code	size	Ports (GAS)			Mass [Kg]
		A	B	X-Y	
BA - 305	10	1/2"	1/2"	1/4"	1
BA - 505	20	1"	1"	1/4"	2
BA - 705	32	1 1/2"	1 1/2"	1/4"	7,5