



## AYS

### Lifting claws, piston plates, base adaptors and extension tubes, load-spreading plates

#### Lifting claws

In connection with the corresponding hydraulic cylinder a lifting claw represents a compact, lightweight and versatile lifting unit. The lifting claws are screwed onto the collar thread of cylinder series YS. Claws can be placed under loads with minimum clearance.

**When operating lifting claws, the following aspects have to be considered:**

The hydraulic cylinders need to be able to support themselves against the load. The max. force of the cylinder is reduced by 50%.

#### Piston plates

Piston plates can be screwed into the piston thread of cylinder series YS. They reduce the surface pressure and prevent the pistons from sinking into the ground. Also when using a piston plate in connection with a lifting claw the cylinder must be supported against the load.

#### Base adaptors and extension tubes

Extension tubes are mounted onto the bottom of cylinders series YS by means of the base adaptor and two hexagon socket screws (screws are included with the base adaptor). The use of extension tubes adds to the versatility of the standard cylinders.

#### Load-spreading plates

These load-spreading plates are recommended when slim cylinders are used for lifting operations. They prevent the cylinders from falling over and sinking into the ground. Robust steel design with carrying handle.



AYS-101  
151  
231



Straightening of a container box by use of a hydraulic cylinder YS-10/100, extension tube AYS-106, base adaptor AYS-103 and electric power pump PY-04/2/5/2 M.



Lifting of a container by use of an hydraulic cylinder YS-23/160, lifting claw AYS-23 and piston plate AYS-232 powered by a two-stage hand pump HPS-2/2 with base frame.

## Technical data AYS

Model	Art.-No.	Description	Suitable for cylinder	Weight kg
AYS-10	N14500303	Lifting claw, permissible capacity 5 t	YS-10/...	0.9
AYS-15	N14500304	Lifting claw, permissible capacity 8 t	YS-15/...	1.3
AYS-23	N14500311	Lifting claw, permissible capacity 12 t	YS-23/...	3.8
AYS-53	N14500672	Base adaptor, 5 t	YS-5/...	0.5
AYS-54	N14500673	Extension tube 125 mm, 5 t	YS-5/...	0.9
AYS-55	N14500674	Extension tube 250 mm, 5 t	YS-5/...	1.5
AYS-56	N14500675	Extension tube 500 mm, 5 t	YS-5/...	2.8
AYS-101	N14500678	Load-spreading plate 10 t	YS-10/...	10.5
AYS-102	N14500324	Piston plate, round	YS-10/...	1.5
AYS-103	N14500336	Base adaptor, 10 t	YS-10/...	0.7
AYS-104	N14500337	Extension tube 125 mm, 10 t	YS-10/...	1.2
AYS-105	N14500338	Extension tube 250 mm, 10 t	YS-10/...	2.2
AYS-106	N14500339	Extension tube 500 mm, 10 t	YS-10/...	3.9
AYS-107	N14500340	Extension tube 750 mm, 10 t	YS-10/...	5.9
AYS-151	N14500681	Load-spreading plate 15 t	YS-15/...	10.5
AYS-152	N14500325	Piston plate, round	YS-15/...	1.8
AYS-153	N14500506	Base adaptor, 15 t	YS-15/...	0.9
AYS-154	N14500507	Extension tube 125 mm, 15 t	YS-15/...	1.6
AYS-155	N14500508	Extension tube 250 mm, 15 t	YS-15/...	2.9
AYS-156	N14500509	Extension tube 500 mm, 15 t	YS-15/...	4.9
AYS-157	N14500510	Extension tube 750 mm, 15 t	YS-15/...	7.9
AYS-231	N14500684	Load-spreading plate 23 t	YS-23/...	10.5
AYS-232	N14500326	Piston plate, round	YS-23/...	2.2

## Dimensions AYS

Model	AYS-10	AYS-15	AYS-23	AYS-53	AYS-54	AYS-55	AYS-56	AYS-101	AYS-102	AYS-103	AYS-104	AYS-105
A, mm	90	110	125	53	125	250	500	230	140	58	125	250
B, mm	90	110	125	50	-	-	-	120	12	60	-	-
C, mm	30	30	30	-	-	-	-	58	-	-	-	-
D, mm	29	34	40	-	-	-	-	-	-	-	-	-
E, mm	22	25	35	-	-	-	-	-	-	-	-	-
F, mm	M57 x 1.5	M67 x 1.5	M85 x 2	M42 x 1.5	M42 x 1.5	M42 x 1.5	M42 x 1.5	-	M27 x 2	M50 x 2	M50 x 2	M50 x 2

Model	AYS-106	AYS-107	AYS-151	AYS-152	AYS-153	AYS-154	AYS-155	AYS-156	AYS-157	AYS-231	AYS-232
A, mm	500	750	230	140	70	125	250	500	750	230	160
B, mm	-	-	120	12	73	-	-	-	-	120	15
C, mm	-	-	68	-	-	-	-	-	-	86	-
D, mm	-	-	-	-	-	-	-	-	-	-	-
E, mm	-	-	-	-	-	-	-	-	-	-	-
F, mm	M50 x 2	M50 x 2	-	M33 x 2	M60 x 2	M60 x 2	M60 x 2	M60 x 2	M60 x 2	-	M40 x 2

