

TECHNICAL INFORMATION FOR THE DA250 SERIES

The DA 250 series is a cylinder constructed for working pressures up to 25,0 MPa.

The cylinder is built with modules and therefore it can be offered in a large numbers of options within the dimensions 25-250 mm bore diameter.

All cylinders can be supplied with the following optional features: built-in valves, front and rear cushioning, positioning transducer.

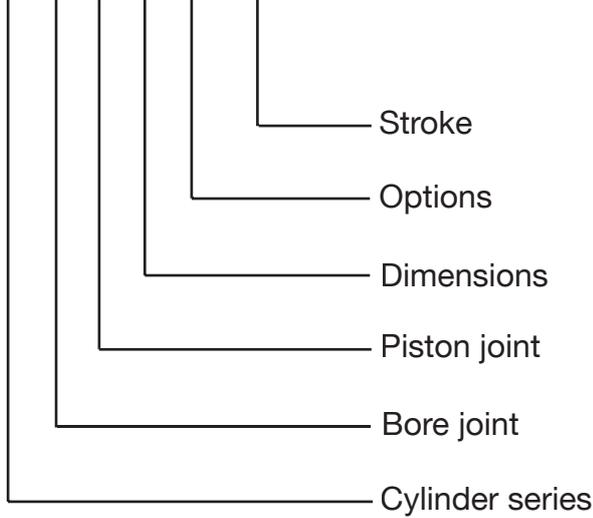
Please observe that the length of the cylinder became longer with cushioning.

- Maximum working pressure 25,0 MPa (250 bar)
- Fluid temperature -30° to $+80^{\circ}$ C
- Fluid: Mineral oil according to DIN 51 524 (HL, HLP).
Hydraulic fluids based on vegetabilic oils, for instance rapeseed oil (HETG)
- Level of cleanliness: class 17/13 according to ISO 4406
- Area of viscosity: 2,8-380 mm²/s
- Maximum rod speed: 0,5 m/s
- Bore diameter: 25-250 mm
- Piston rod diameter: 12-160 mm
- The piston rod is chrome plated with a layer of $25\pm 0,5$ μ m. Options are Stainless steel, Nickel chromium and Induction hardened.
- Maximum stroke with consideration to buckle at different joints and working pressures is indicated in a table. At longer strokes an inner distance can be needed to decrease the load on the piston rod.
- The tolerances for the built in measures follows ISO 8135.
- The DA 250 sealkit system is built up with ISO measures, which results that it can be fulfilled with different demands on environment, pressure and performance.
- The cylinders are painted and delivered with RAL 9011, if nothing else is stated by the customer.

With any other performance then standard, please contact Stacke Hydraulik AB.

If products from Stacke Hydraulik are used in any other way then has been recommended by Stacke Hydraulik no guaranties is valid. Damages on persons and/or property caused be wrongfully using is beyond Stacke Hydraulik's responsibility.

DA 00 00 00 00-0000



Example of an article number: DA01010702-0600
Spherical bearing at the piston as well as on the bore, bore 50 mm Ø, piston rod 25 mm Ø and 600 mm stroke. The piston is stainless.

All measures are in mm, if nothing else is stated.



Cylinder series

Hydraulic cylinder, DA

Cylinder Bore Joints

- 01 = Spherical Bearing
- 03 = Body Trunnion
- 04 = Clevis
- 05 = Front Flange
- 06 = Rear Flange
- 07 = Narrow Bushing
- 08 = Wide Bushing

Piston Rod Joints

- 01 = Spherical Bearing
- 02 = External Screw Threads
- 03 = Internal Screw Threads
- 04 = Clevis
- 07 = Narrow Bushing
- 08 = Wide Bushing

Dimensions

Cylinder Ø A	Piston Rod Ø B	Dimension
25	12	01
	16	02
32	16	03
	20	04
40	20	05
	25	06
50	25	07
	32	08
63	32	09
	40	10
80	40	15
	50	16
100	50	19
	63	20
125	63	21
	80	22
140	70	23
	90	24
160	80	25
	100	26
180	90	27
	125	28
200	100	29
	140	30
250	125	31
	160	32

Examples of options

- 01 = NI-CR piston
- 02 = Stainless piston
- 05 = One lower dimension on the spherical bearings.
- 13 = Induction surface hardening piston (Cromax 482)
- 20 = Connections turned 90°