

The heavy-duty clamp

The heavy-duty solution for extreme
operating conditions!

Heavy-duty clamp

HD 100 AS

Features:

- Heavy-duty model
- Dual-arm clamp with a clamp force of more than 25,000N
- Toggle-locked end position
- 2 functions in one clamp:
 - Internally adjustable end stop for precise positioning operations
 - External prestressing for heavy clamping processes
- Fully encapsulated steel design for extreme operating conditions
- Integrated end position sensing



Figure 2-1: Heavy-duty clamp HD 100 AS

Its Function

Central drive cylinder
measuring 100mm in
diameter

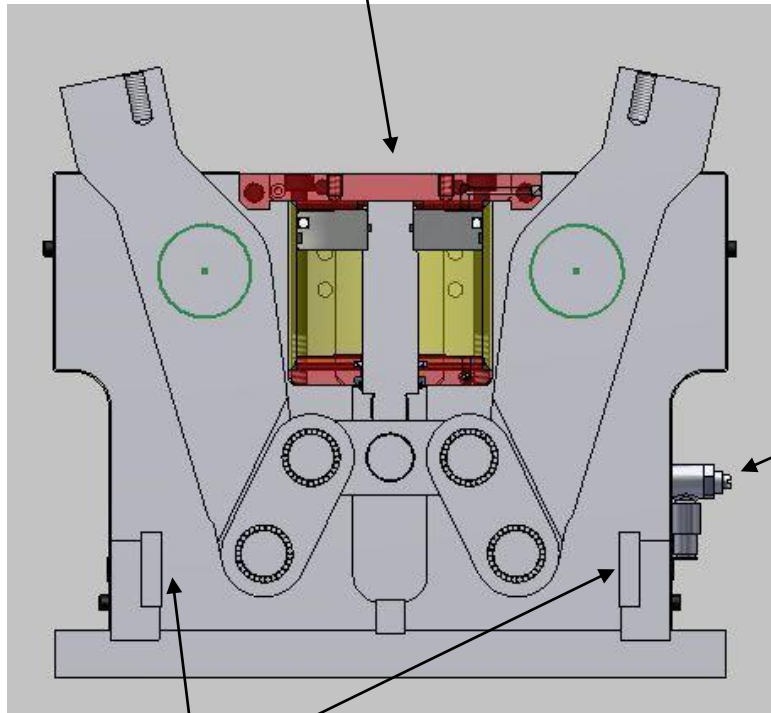


Figure 3-1: opened position

Internal adjustable end
stop meeting precise
positioning requirements

Air connection

Maintenance-free
needle bearing

Heavy clamp arm design for
high rigidity and high clamping
forces with hole pattern for
contour block installation

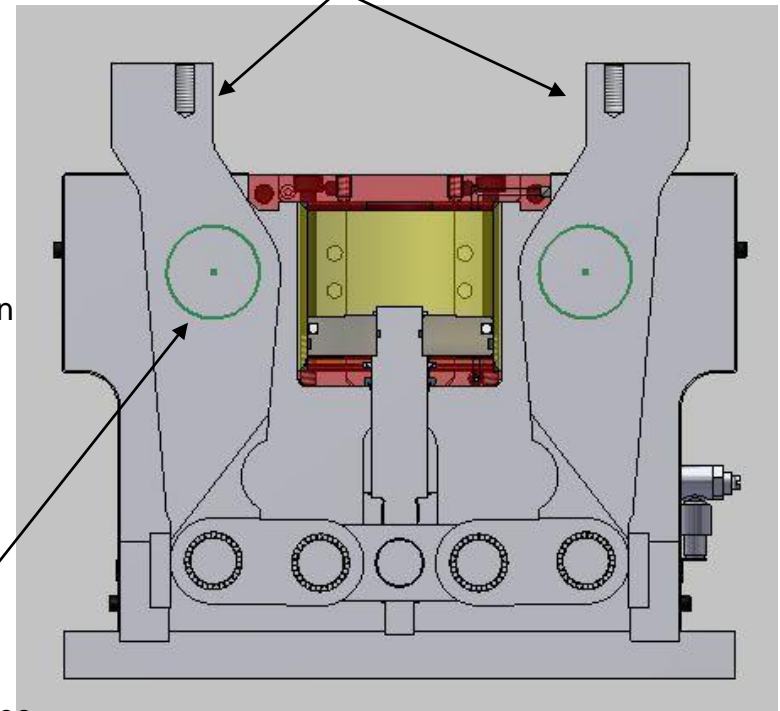


Figure 3-2: closed position

Its Application



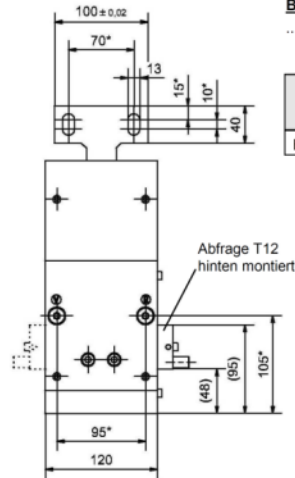
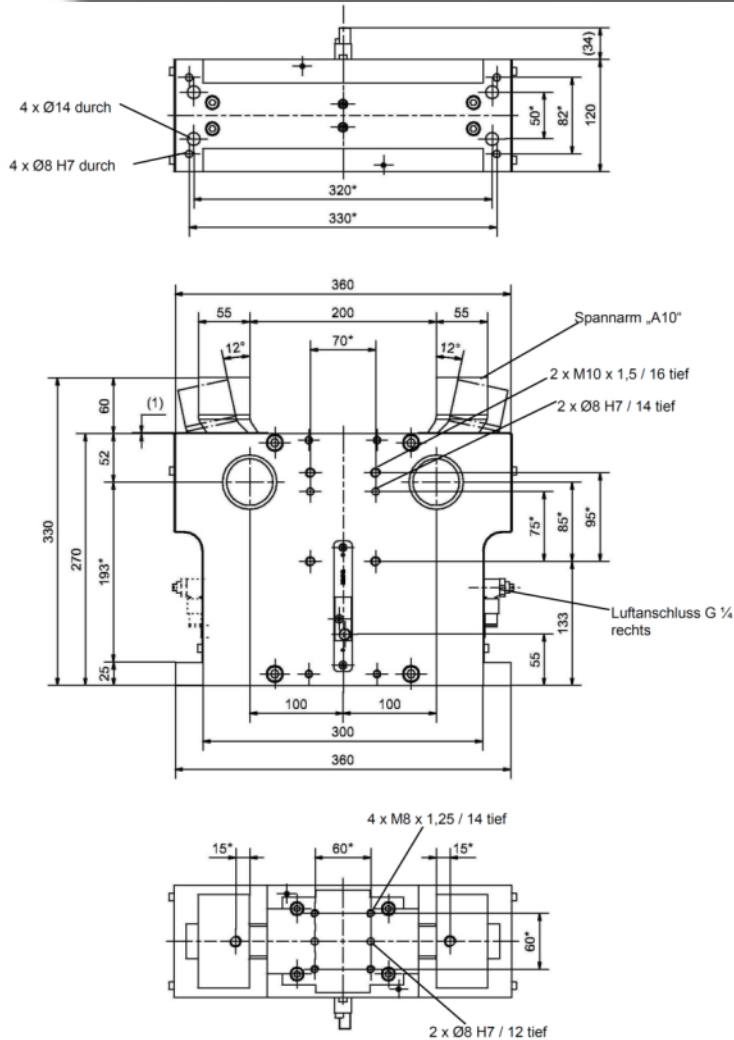
Figure 4-1: Application case 1

- Fixing of heavy frame components for following welding processes
- High positioning reliability despite distortion stress



Figure 4-2: Application case 2

Data sheet HD 100 AS



Bestellbeispiel:

HD 100 AS A10 T12V LR SB

HD: Typ
100: Kolben Ø
AS: Doppelarm
A10: Spannarmvariante
T12V: Abfragesystem vorne
(T12H = hinten)
LR: Luftanschluss rechts
(LL = links)
SB: **Optional:** Schutzblech

Öffnungswinkel (2 x):

12°

Bestellschlüssel Tünkers Abfragesysteme:

...T12 Induktivabfrage 24 V, 1 Abgang
mit integrierten LED's

*Toleranz für Stiftbohrungen ± 0,02, für
Gewindebohrungen ± 0,1.

Typ	Spannkraft (N) bei 5 bar	Betriebsdruck (bar) bei ölfreier Luft	Maximaldruck (bar) bei ölfreier Luft	Anschluss (G)	Öffnungs- und Schließzeit (s)	Gewicht ~ (kg)
HD 100 AS	20000	5	6	1/4	1	55,0

Current data sheet and CAD model available on
<http://www.tuenkers-modular-automation.de>



Vielen Dank für Ihre Aufmerksamkeit!

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