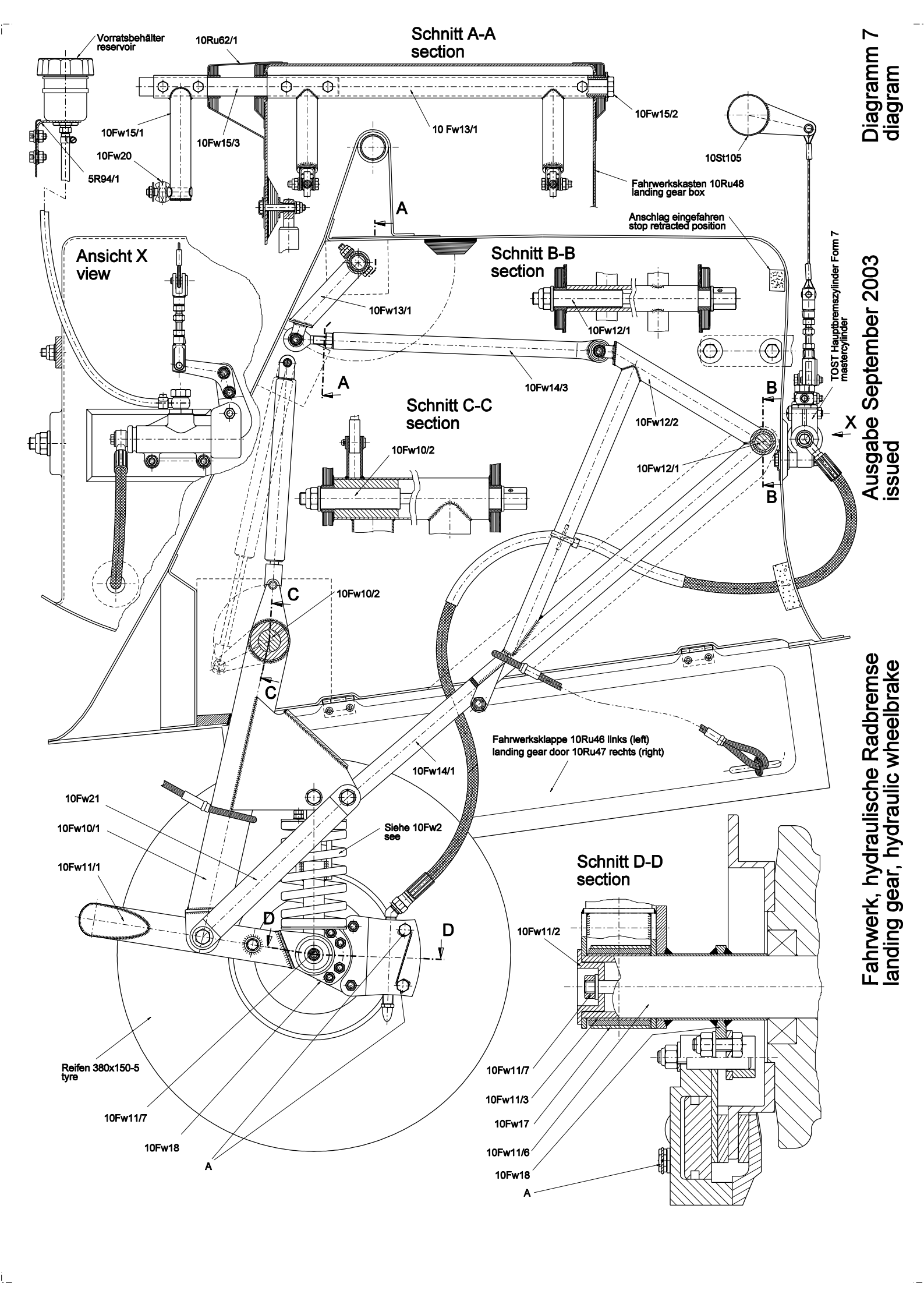
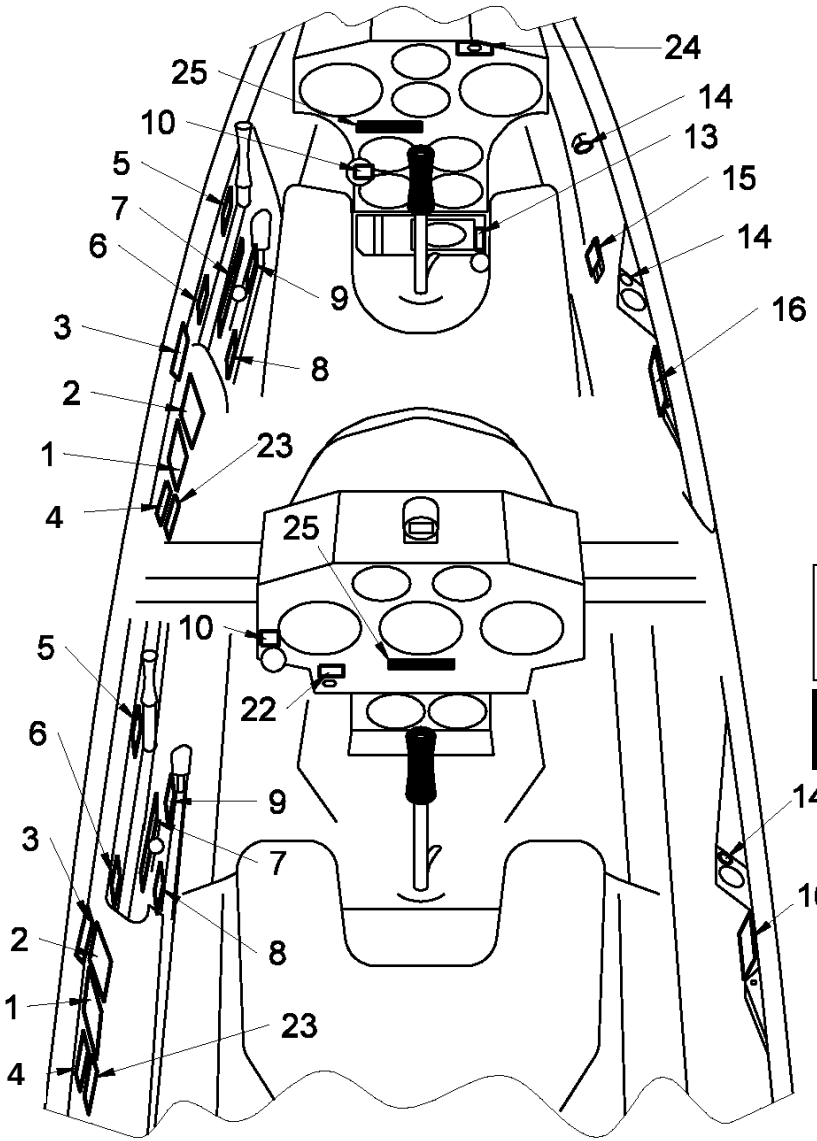

Diagramm 7
diagram
Ausgabe September 2003
issued
Fahrwerk, hydraulische Radbremse
landing gear, hydraulic wheelbrake
Schnitt A-A
section
Vorratsbehälter
reservoir
10Ru62/1
10Fw15/1
10Fw15/3
10Fw20
5R94/1
10 Fw13/1
10Fw15/2
10St105
Fahrwerkskasten 10Ru48
landing gear box
Anschlag eingefahren
stop retracted position
Ansicht X
view
Schnitt B-B
section
10Fw13/1
10Fw12/1
10Fw14/3
TOST Hauptbremszylinder Form 7
mastercylinder
Schnitt C-C
section
10Fw10/2
10Fw12/2
10Fw12/1
Fahrwerksklappe 10Ru46 links (left)
landing gear door 10Ru47 rechts (right)
10Fw14/1
10Fw21
10Fw10/1
10Fw11/1
Siehe 10Fw2
see
Schnitt D-D
section
10Fw11/2
Reifen 380x150-5
tyre
10Fw11/7
10Fw18
10Fw11/3
10Fw17
10Fw11/6

placards DG-1000S



DG Flugzeugbau GmbH
Type: DG – 1000S Serial No.: 10- S
Year of construction:

Maximum airspeeds	km/h	kts.
Winch launching	150	81
Aero-tow	185	100
Manoeuvring V_A	185	100
Rough air	185	100
Maximum speed V_{NE}	270	146

Approved aerobatic manoeuvres, only without waterballast:
Pos. Loop, Chandelle, Spin, Stall turn

In addition Category A:
Only with 18 m span without waterballast:
Half loop and half roll, half roll and half loop, slow roll, inverted flight, half positive flick roll from normal flight with half loop, half negative flick roll from inverted flight
Maximum mass:

Category A and Category U with fixed main wheel	630 kg	1389 lbs.
Category U	750 kg	1653 lbs.
Category U without waterballast	kg	lbs.

1

Cockpit Check
1. Lead ballast (for under weight pilot)?
2. Parachute worn property?
3. Safety harness buckled?
4. Front seat: pedals adjusted?
   Rear seat: seating height adjusted?
5. All controls and knobs in reach?
6. Altimeter?
7. Dive brakes cycled and locked?
8. Positive control check ? (One person at the control surfaces).
9. Fin ballast tank emptied or correct amount filled in?
10. Trim ballast box in the fin, correct amount filled in? Locking device completely engaged?
11. Trim?
12. Both canopies locked?
13. Runway free?

2

Senden transmit 22

Loading chart

Cockpit load	front seat		rear seat		Parachute
maximum	110 kg	242 lbs.	90 kg	198 lbs.	included)
or maximum	105 kg	231 lbs.	105 kg	231 lbs.	
minimum	kg	lbs.	/	/	

With lower pilot weight necessary ballast must be added.

4



at cover plate of fin ballast box

limits for use of the waterballast tank

minimum ground temperature	°C	13.5	17	24	31	38
	°F	56	63	75	88	100
maximum flight altitude	m	1500	2000	3000	4000	5000
	ft.	5000	6500	10000	13000	16500

23

Altitude in [m]	0-3000	4000	5000	6000	7000	8000
V_{NE} IAS km/h	270	256	243	230	217	205
Altitude in [ft]	0-10000	13000	16000	20000	23000	26000
V_{NE} IAS kts.	146	138	131	124	117	111

25

Ballast box in the fin
Min. load in the front seat

kg box empty — kg box filled

24

Bauteil Nr.:

part no. of components at all parts

Typ:	DG-1000S
W.Nr.	

fire proof placard at front main bulkhead

Gepäck max. 15 kg
baggage max. 33 lbs.

at front main bulkhead

Reifendruck	2,5 bar
Tyre pressure	36 psi

at the right wheel door

Sollbruchstelle	10000 N
rated load	2200 lbs.

Reifendruck	2,5 bar
Tyre pressure	36 psi

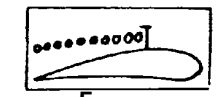
right above the nose wheel if applicable

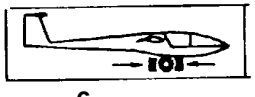
Reifendruck	4 bar
Tyre pressure	58 psi

right above the tailwheel

Bemsflüssigkeit
---- **brake fluid**
min.
DOT 3 / DOT 4

on brake fluid reservoir

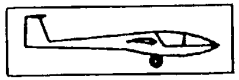

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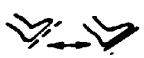


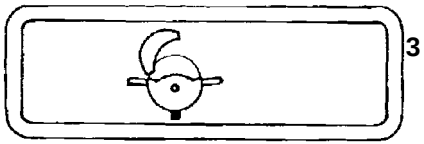

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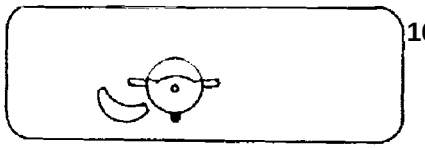

8


9


10


13


3


16

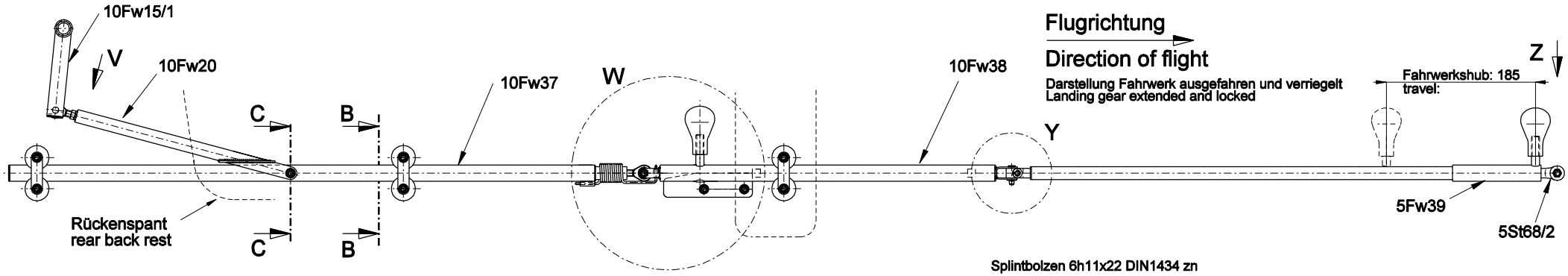

14


15

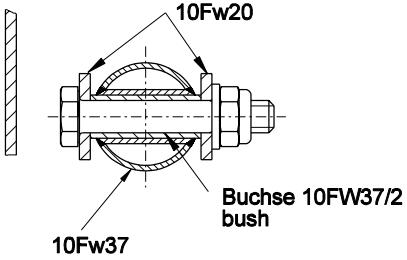
Warning:
Rigging of the horizontal tailplane is only permitted with full nose down trim-setting!

at the upper left hand side of the fin

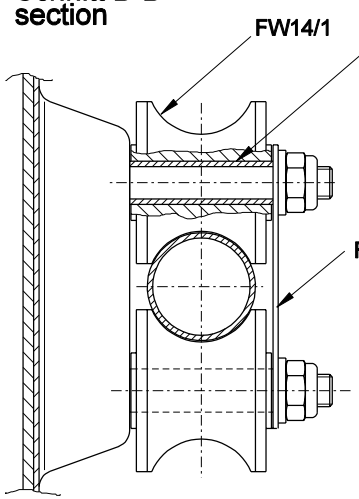
diagram 11
issued Sept. 2003



Schnitt C-C
section

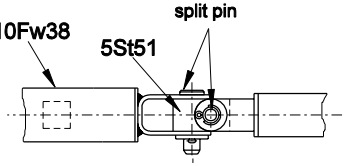


Schnitt B-B
section

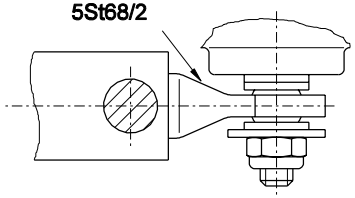


Detail Y
detail

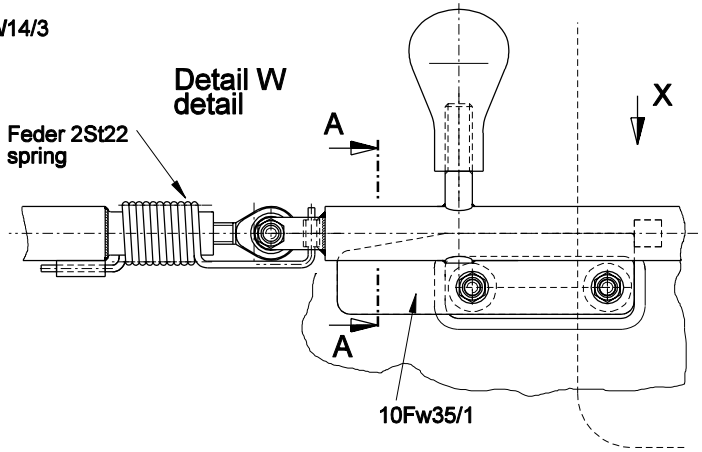
Splintbolzen 6h11x22 DIN1434 zn
clevis pin
Scheibe 6,4 DIN125 Stzn
washer
Splint 1,5 x12 DIN94 zn
split pin



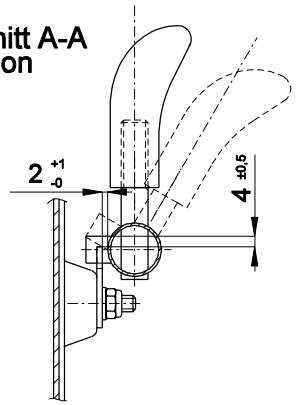
Ansicht Z
view



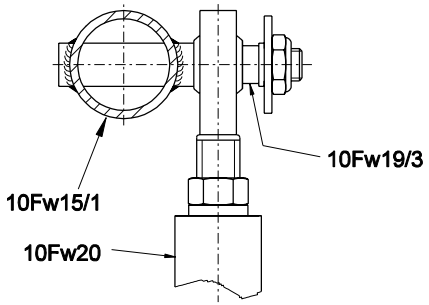
Detail W
detail



Schnitt A-A
section

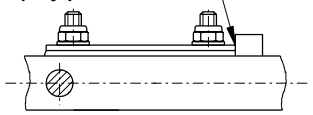


Ansicht V
view



Ansicht X
view

Verriegelung (ausgefahrene Stellung), 0 Spiel erlaubt
lock (extended position), no free play permitted



Fahrwerksantrieb (Version ohne Bugrad)
Landing gear control (Version without nose wheel)

Ausgabe Septmber 2003
issued

Diagramm 12
diagram