

Foreword

Part 1: Operation manual of the superstructure

For you,

the **crane operator**, we have summarized in this operation manual the most important information and instructions on crane operation.

You should always have this manual at hand in the crane cabin.

When reading this manual please remember that

your **SAFETY**

the **SAFETY** during the operation and

the **AVAILABILITY** of your DEMAG crane

depends on you observing and following the instructions given.

Lightning

If thunderstorms are gathering, dismantle the crane where possible and leave the crane.

If this is not possible, lower the load from the hook, switch off the engine and leave the crane.

Only remain in the crane operator's cab if the above cannot be carried out in good time.



If this is the case, the crane operator must not, under any circumstances, step into the vicinity of the crane or onto the crane itself while the thunderstorm continues. Also warn those outside accordingly.

The following must be checked if it is suspected that lightning has struck:

- Load limit device; if damaged, a fault message will appear on the display.
- Limit switches; ensure they are functioning correctly.
- Inductive proximity switches; ensure they are functioning correctly.
- Visually inspect the luffing and outrigger cylinders for external damage caused by flashover voltage or melting. Check the corresponding cylinders for any sign of internal leakage caused by damaged seals, by retracting and extending them several times.

1.4.3.2 Gas, Dust, Steam, Smoke

Only operate engines and fuel-driven heaters in sufficiently ventilated areas. Check that there is sufficient ventilation before starting in an enclosed space.



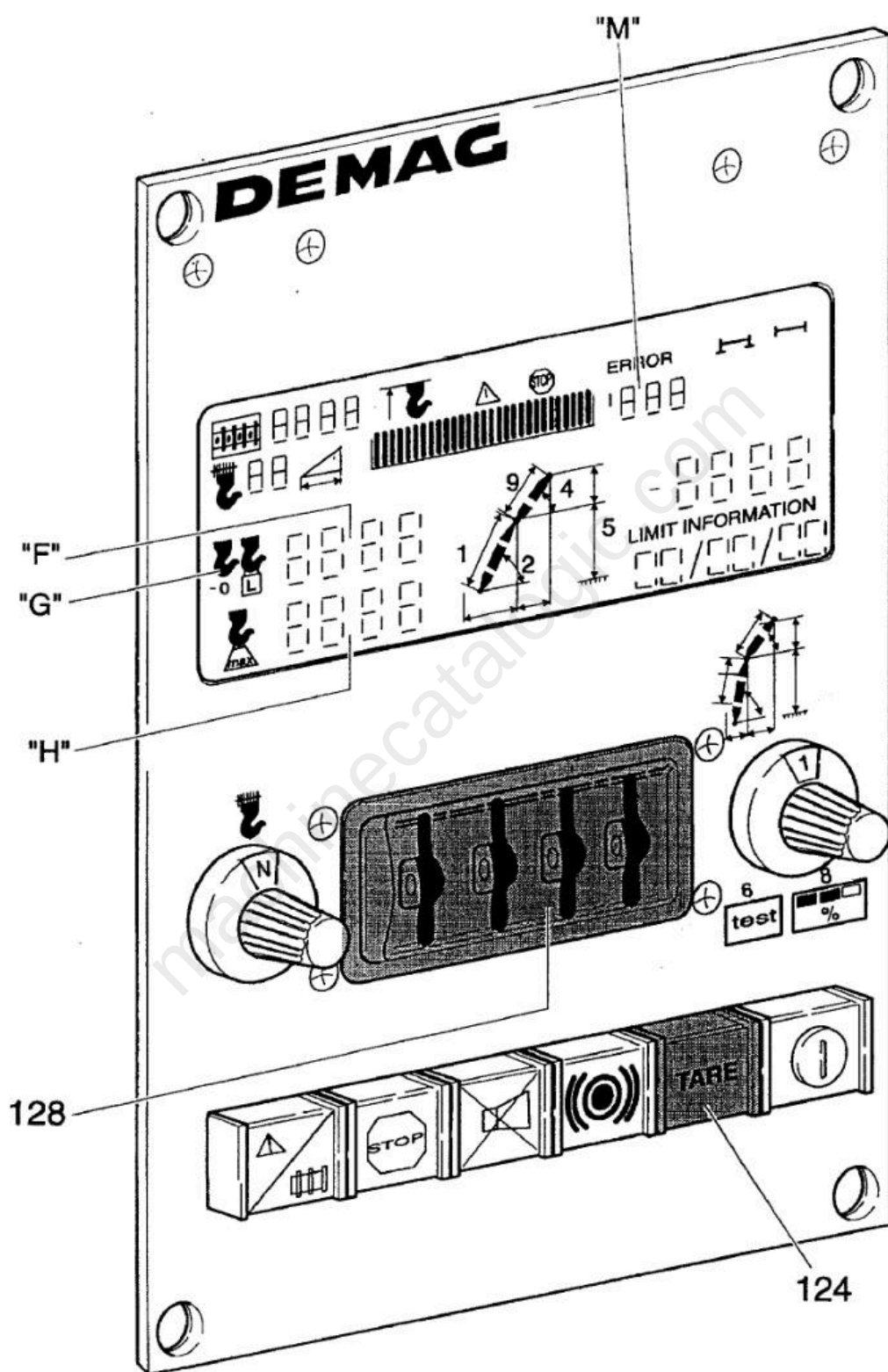
Follow the instructions applicable to the operating site.

6.3.2 Driving the Crane with Fixed Fly Jib (Z 20 879)

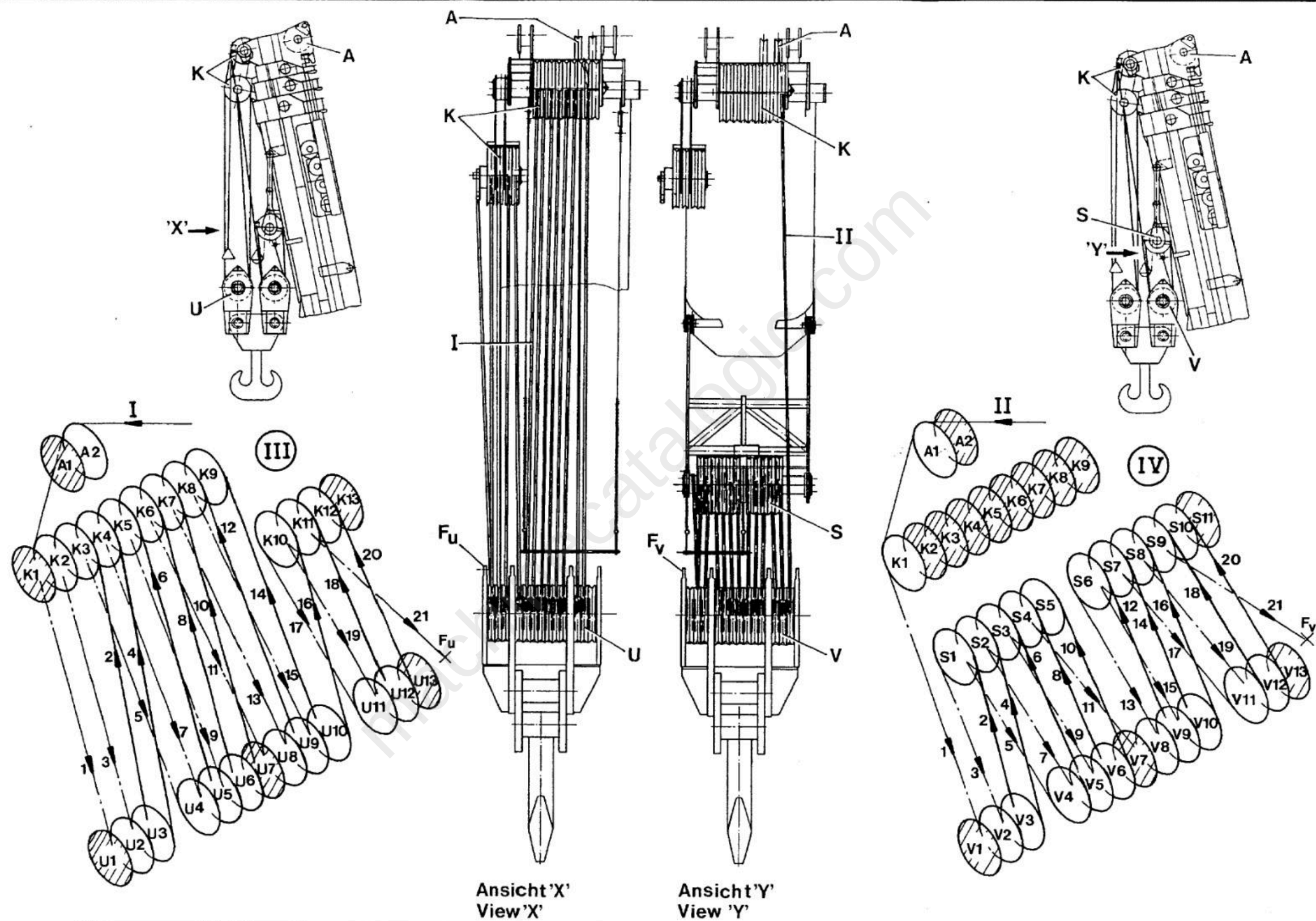
GGW	OW	A (m)	B	C (m)	D	RA (m)	VA (t)	H A (t)
57 t	180°	15.8	75°	8.0	0°	5.7	19.7	20.7
			80°		20°	6.3	21.0	20.0
			80°	20.0	0°	6.0	20.7	20.5
			82°		20°	10.8	20.9	20.4
			82°	32.0	0°	5.6	21.3	20.6
			82°		20°	16.2	19.1	21.7
			82°	44.0	0°	7.1	20.9	21.1
			82°		20°	21.7	17.6	22.7
	0°		20°	56.0	0°	66.1	20.6	21.6
			20°		20°	69.4	21.5	21.2
98 t	180°	15.8	65°	8.0	0°	9.3	25.0	25.0
			66°		20°	11.2	25.0	25.0
			70°	20.0	0°	11.6	25.2	25.3
			73°		20°	16.0	25.3	25.3
			74°	32.0	0°	12.5	25.4	25.6
			79°		20°	18.9	25.5	25.6
			78°	44.0	0°	11.8	26.0	25.7
			82°		20°	22.2	24.4	26.5
			80°	56.0	0°	11.9	26.0	26.1



These values are only valid if the single sheave hook block (1200 kg) is reeved on the fly jib head.



Z 28 879



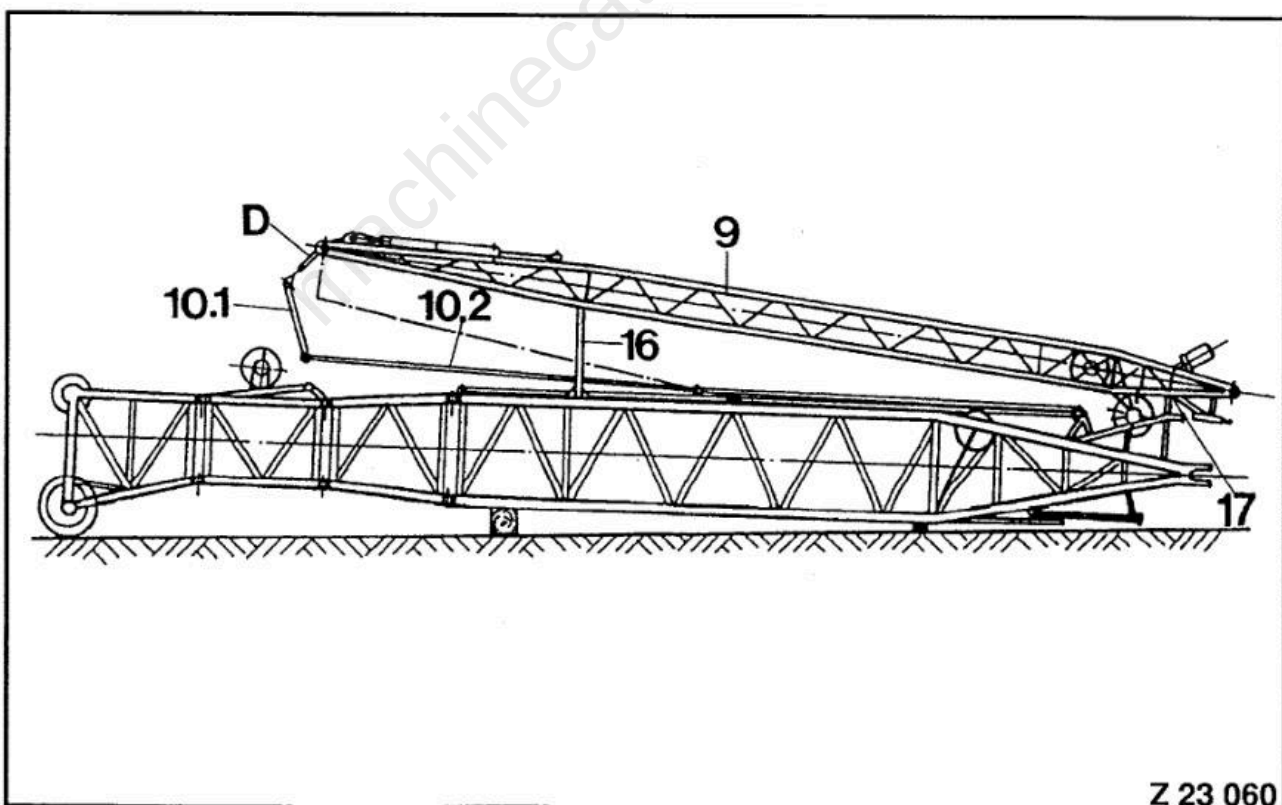
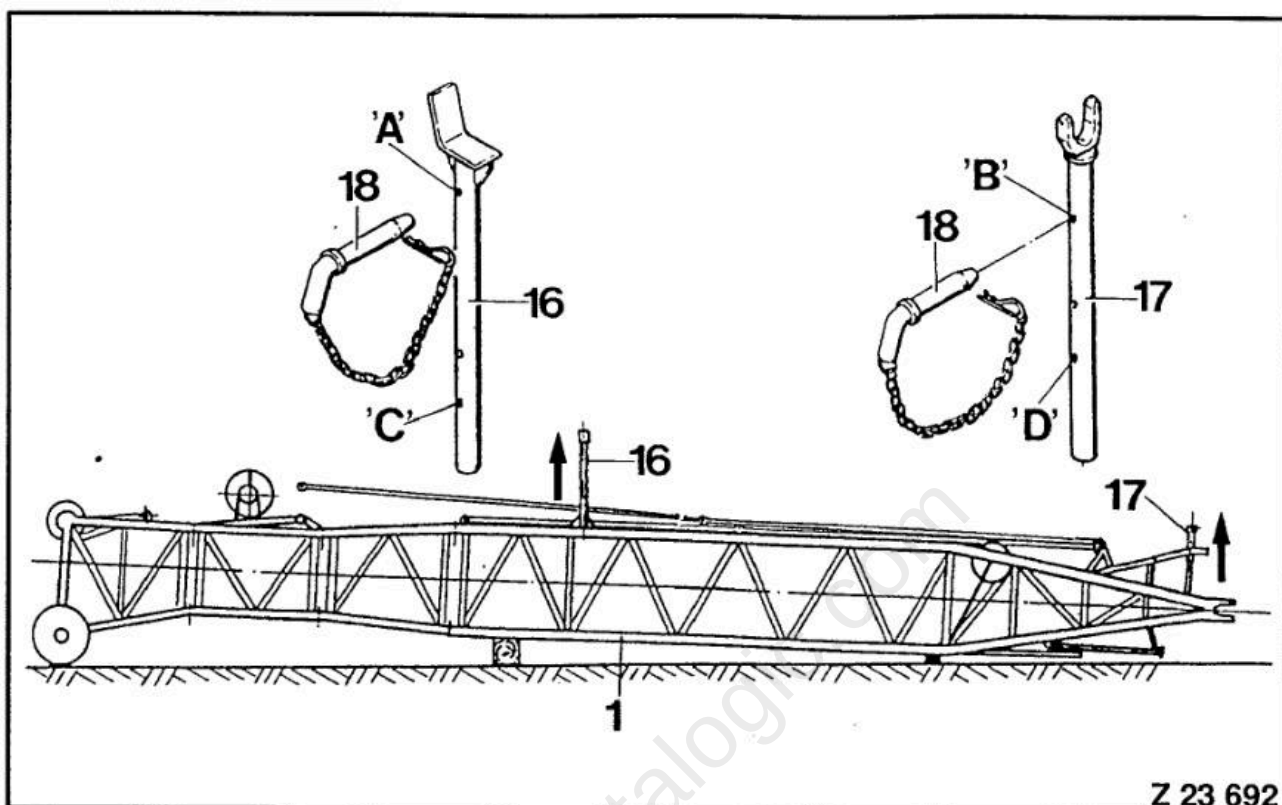
Z 23 905

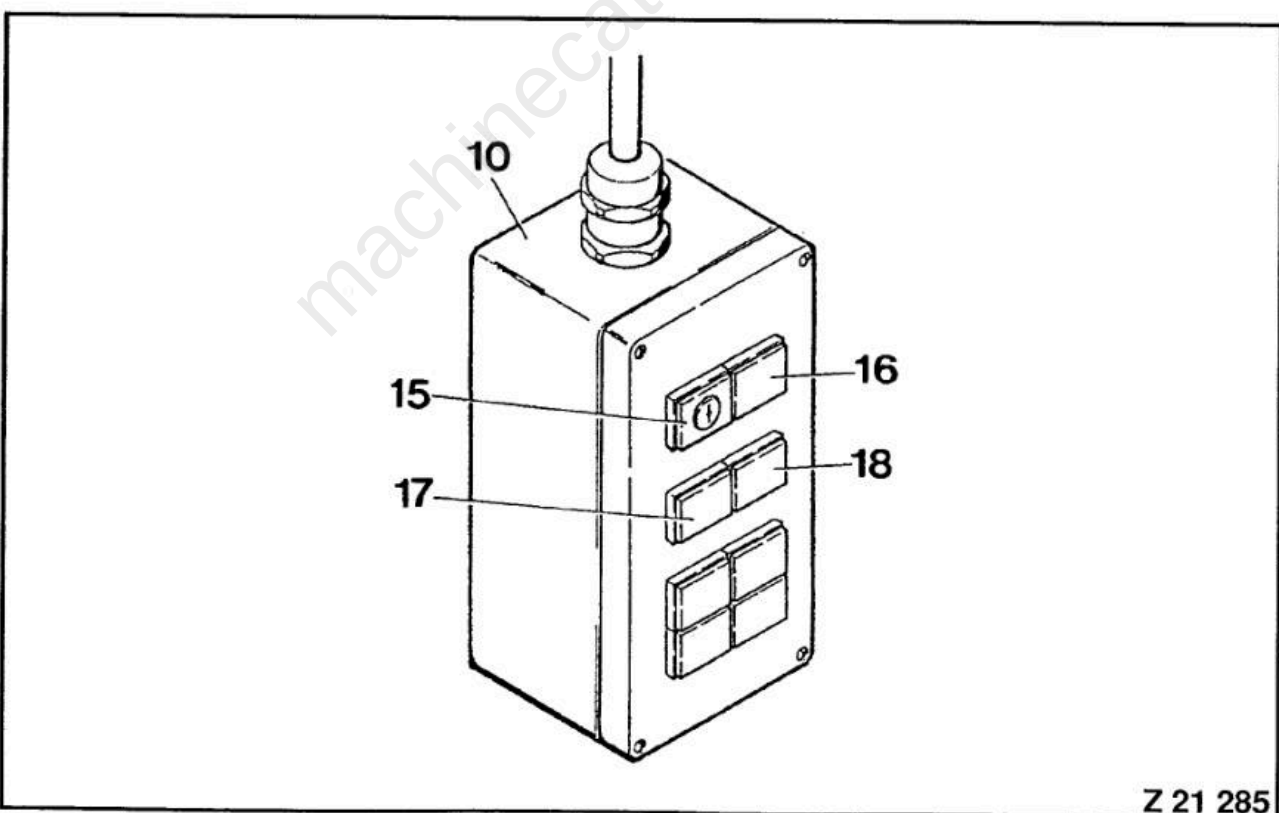
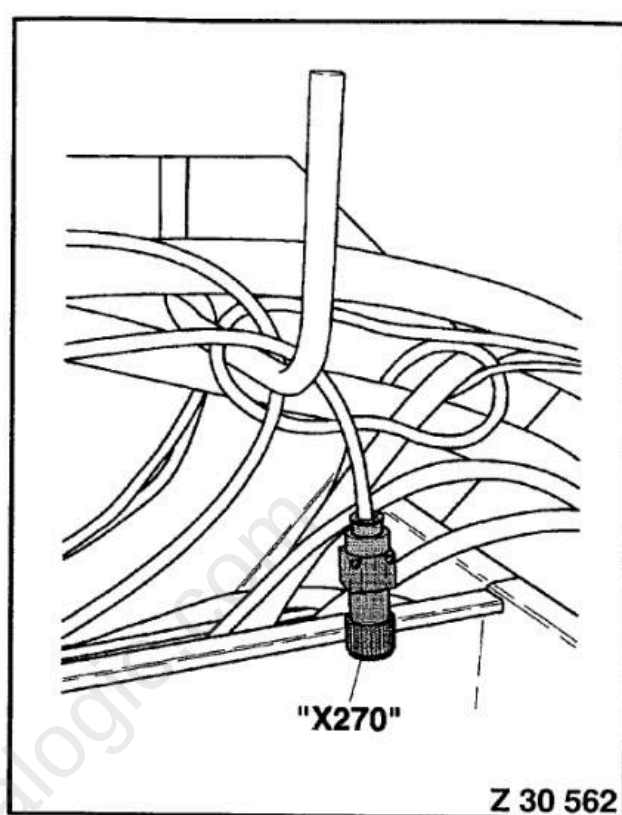
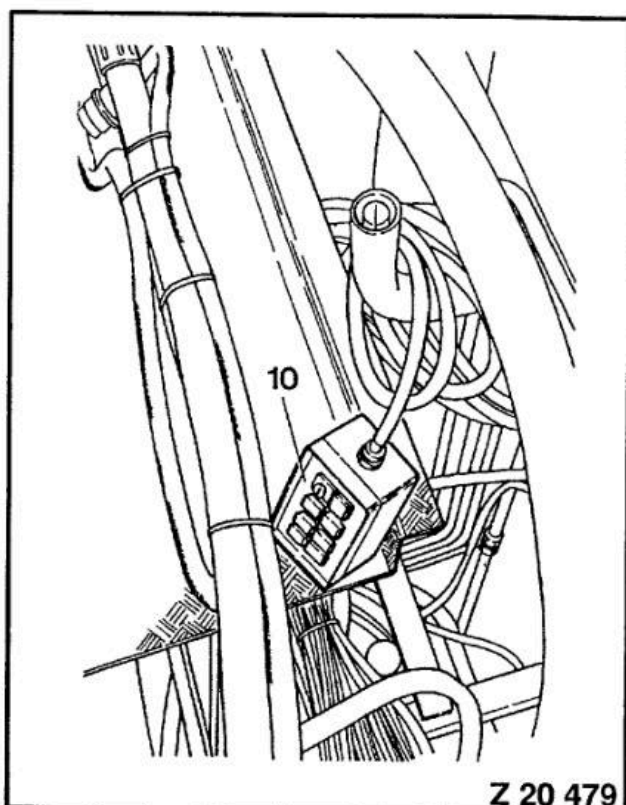
16.1.1.6 Reeving – Hook Block "Type 40" with 1 Sheave (Z 21 185)

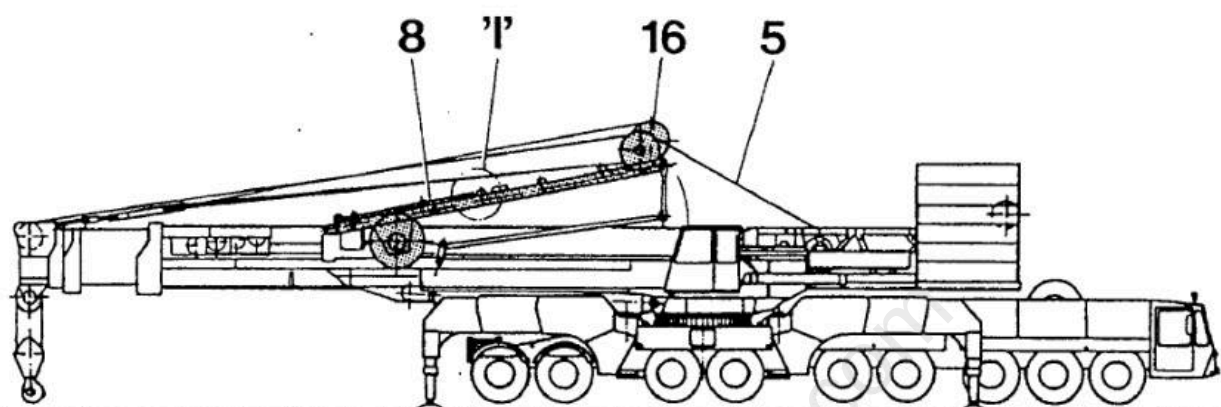
- A – Deflection rollers on the main boom head
- K – Sheaves on the main boom head
- U – Sheave in the hook block
- Fk – Fixing point on the main boom head
- Fu – Fixing point on the hook block

The hoist rope may only be reeved in accordance with the following chart:

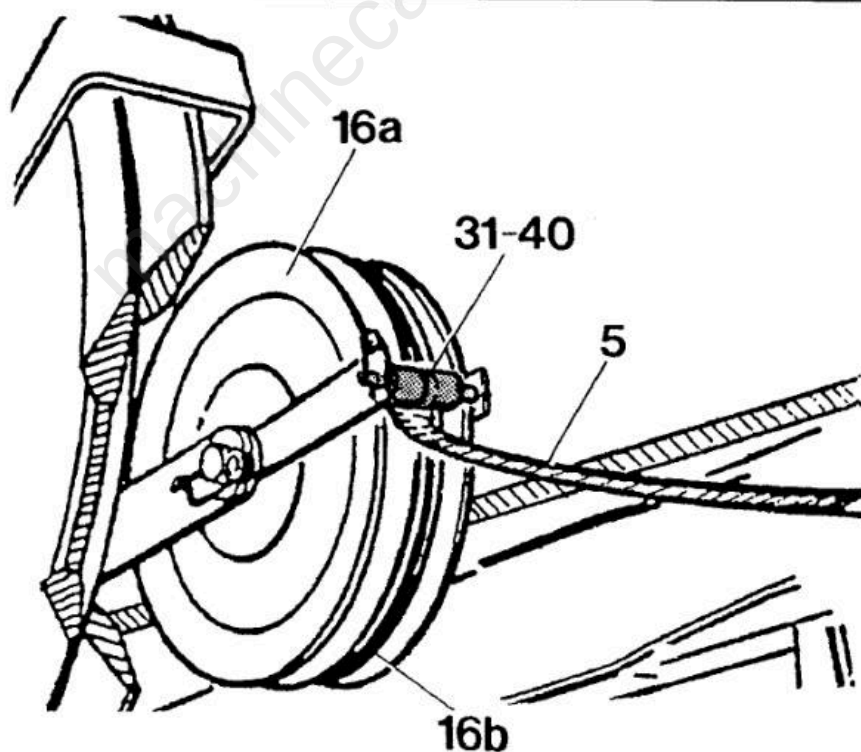
Figure No.	No. of falls	Reeving over the sheaves
I	3	A2-K3-U-K7-Fu
II	2	A2-K3-U-Fk







Z 21 256



Z 21 257

Full Version Available

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