

# K.T.S Slewing House

1

## Can you see the matchbox?

The slewing house is the component through which all forces act. This is why the K.T.S **slewing house is extremely high**, at **290 mm**, to increase the distance between the load-carrying bushings. The greater the distance, the **greater** the **strength**, which is most important when lifting heavy logs or if the crane is to be fitted with a digging unit. The difference can be seen when comparing these features with those of other cranes.

2

The slewing mechanism, crane post and boom mounts together form a very substantial and strong unit. The design of the slewing house and cylinders enables the crane to slew through 370°.

**The slewing house is entirely Swedish-manufactured, from high-grade steel.**

The entire slewing mechanism, with the slewing shaft, gear racks and slewing pistons, runs in an **oil bath** for maximum strength.

Look at the matchbox, and you will realize the strength of the slewing house.



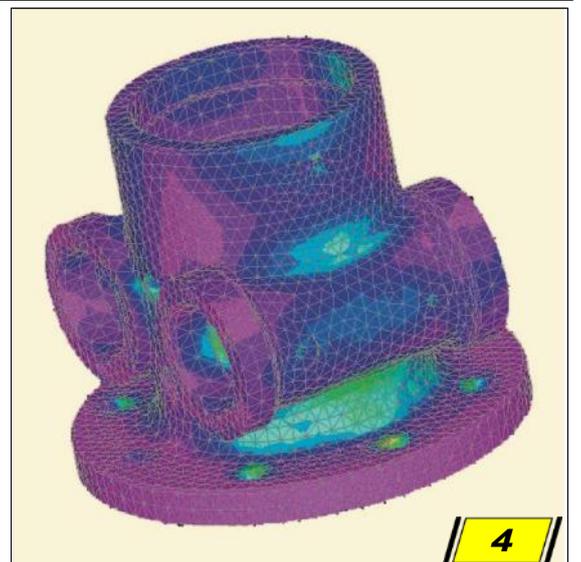
3

We are truly proud of the large number of customers who **purchase our slewing house and fit it on other manufacturers' cranes**. All you have to do is weld the crane onto the plate on the slewing house. There is no need for disassembling the slewing house before welding.

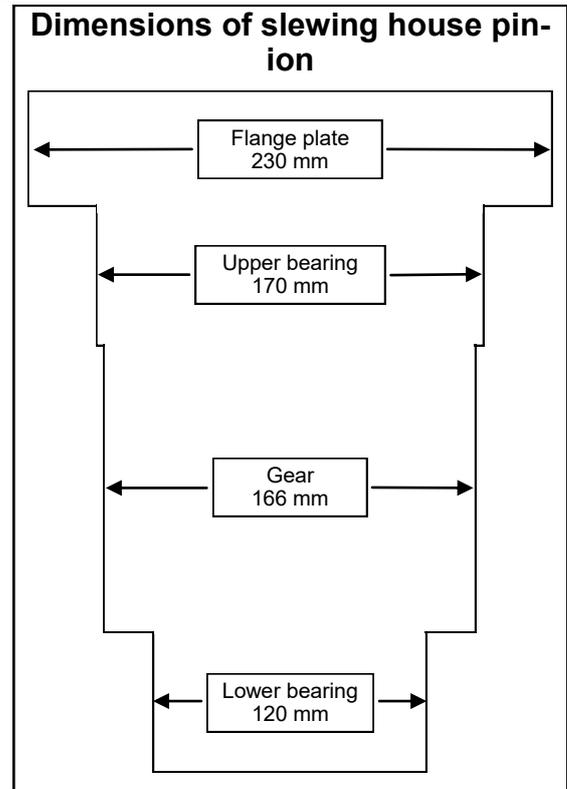
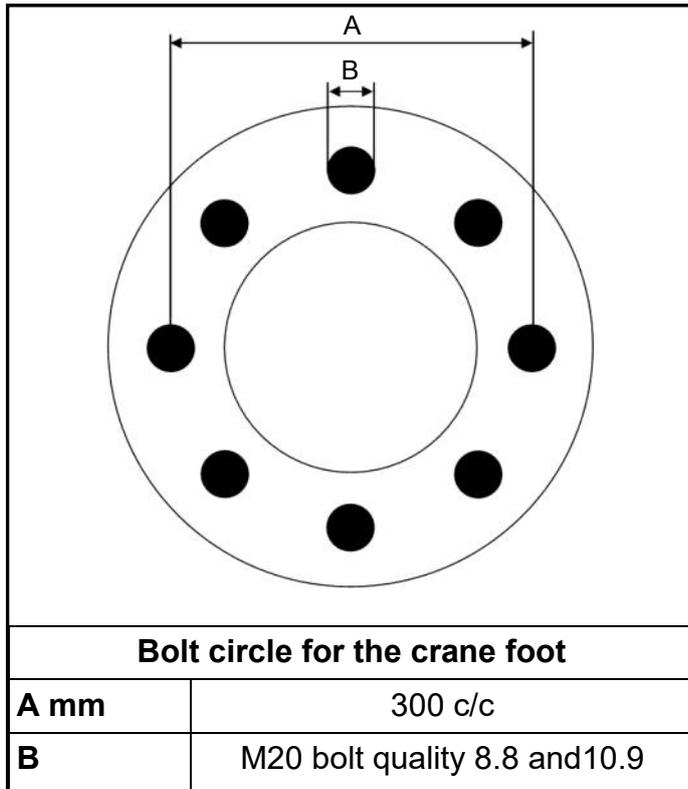
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This is what the slewing house looks like when the withstanding of forces is analyzed in one of many ways in an FEM program.

Although FEM and other analyses can indicate whether or not the part can be expected to withstand the intended load, they do not provide any information on fatigue strength, i.e. the development of fatigue cracks after 5-10 years' use. Our cranes have therefore been designed in conjunction with one of Sweden's most experienced consultants in the field of crane strength calculations. The resulting strength not only means **quality for you** as the purchaser and user, but also confidence in the equipment's long life and safety.



**Dimensions of pinion and bolt pattern for slewing house 3.5 and 5.0 ton/m  
Crane models 5.3 - 6.4 - 6.7 - 7.5 and Z-6.1 m**



**Dimensions of pinion and bolt pattern for slewing house 2.5 ton/m  
Crane models 4.7 and 5.4 m**

