



# HPXdrive

Setting **THE** Standard for Innovative Grab Technology for more than 15 years!

The hydraulic drive unit **HPXdrive**, characterized by its constant closing force, is optimally suited for daily operations in general construction, civil engineering and landscaping.

In contrast to conventional hydraulic grabs, with the **HPXdrive** the torque is generated by two hollow shafts, which run opposed and have a helix thread, hydraulically driven by a single piston. The force is delivered to two shafts, on which the shells are mounted. These advantages of the **HPXdrive** - technology provide an extended service life and higher efficiency.

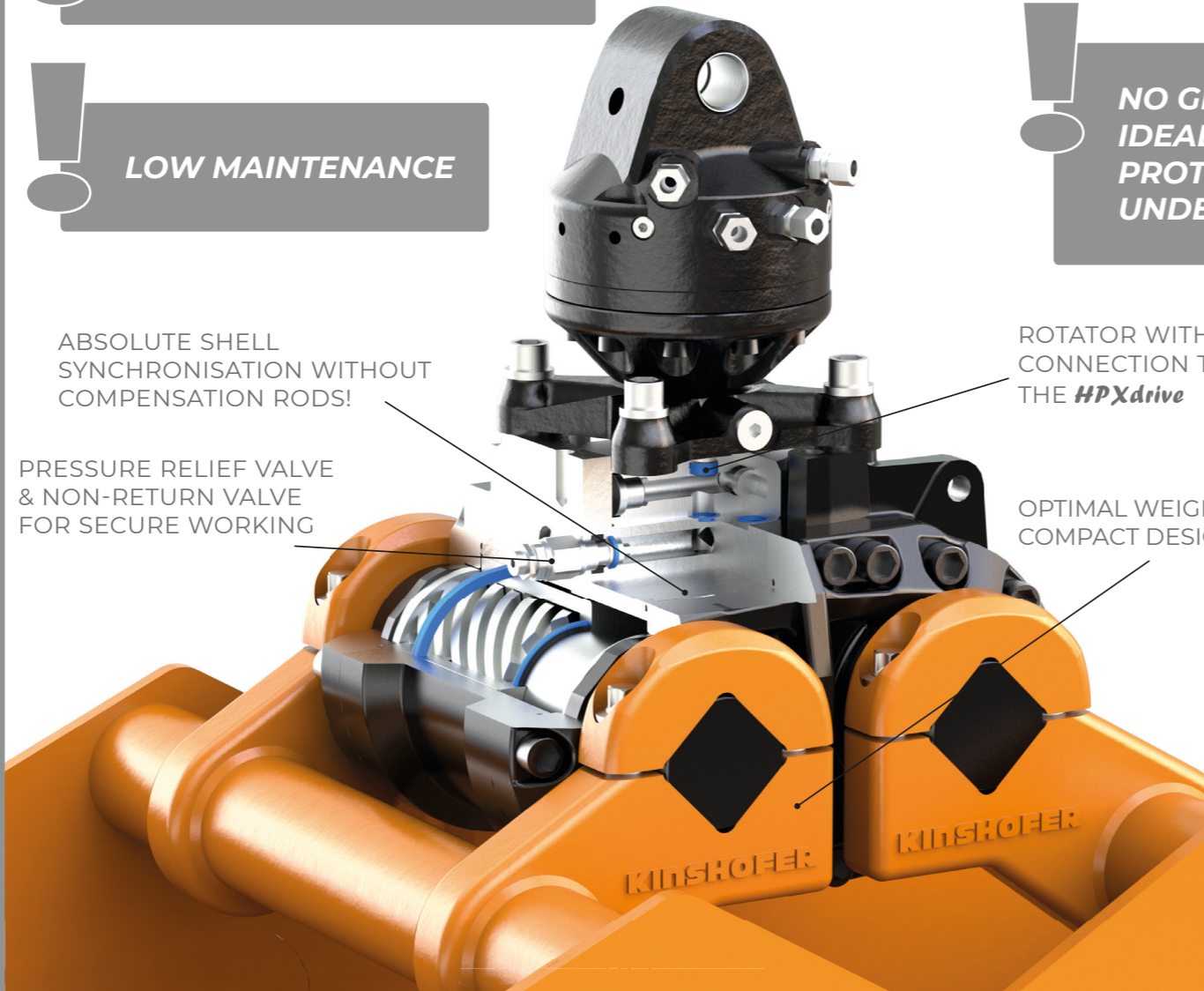
The compact design of the **HPXdrive** without open greasing points allows for operations in water protection areas, as no lubricant can be washed out.

**VAST LIFESPAN EXTENSION COMPARED TO CONVENTIONAL CYLINDER GRABS AT EXTREMELY LOW COST OF OWNERSHIP**

**CONSTANT CLOSING FORCE DURING THE COMPLETE CLOSING CYCLE**

**NO PROTRUDING COMPONENTS**

**LOW MAINTENANCE**



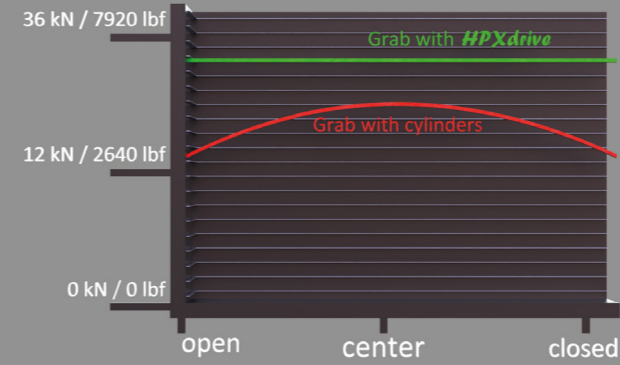
ABSOLUTE SHELL SYNCHRONISATION WITHOUT COMPENSATION RODS!

PRESSURE RELIEF VALVE & NON-RETURN VALVE FOR SECURE WORKING

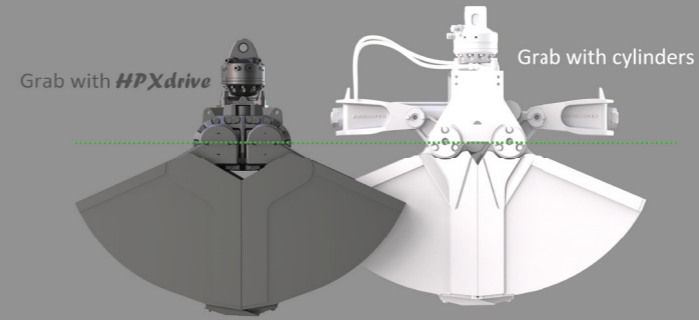
ROTATOR WITH DIRECT CONNECTION TO THE **HPXdrive**

OPTIMAL WEIGHT & COMPACT DESIGN

## COMPARISON OF CLOSING FORCES IN KN



## COMPACT DESIGN



**HOMEMADE BY KINSHOFER! WE DEVELOP AND PRODUCE EVERYTHING IN-HOUSE – FROM ROTATOR TO DRIVE UNIT AND GRAB!**

**NO GREASE POINTS! IDEAL FOR WORKS IN WATER PROTECTION AREAS AND UNDER WATER!**

The bucket shells are bolted to the shafts and therefore easy to replace by another set. Different types of shells for diverse applications can be refitted onto the driving unit, e.g. clamshell bucket with or without open shells, multi purpose grab and rock and timber grab.

## EASY SHELL EXCHANGE IN LESS THAN 10 MINUTES!



Shells mounted



Loosen 4 bolts on each side



Remove connecting pieces one after another



**HPXdrive** loosened



Lift **HPXdrive** for exchange of shells