



hapfo – WOOD-TURNING LATHES

Quality & Reliability since 1975



MANUAL TURNING LATHE PERFORMER 400-FU

hapfo PERFORMER 400-FU

for the professional user



Constructed for the professional user, the PERFORMER 400-FU presents all technical advantages which are characteristic for an efficient wood turning lathe. With a center height of 403mm, and the swiveling headstock there are all possibilities to realise extraordinary artwork.

DISTANCE BETWEEN CENTERS: ca.1.000 mm (standard), ca.2.000 mm,

HEIGHT OF CENTRES: 403 mm

SPECIFIC CHARACTERISTICS OF THE PERFORMER 400-FU:

Headstock can be swiveled and moved all over the bed

Headstock made of cast iron

Bearing of the hollow shaft free from backlash (suitable for connection with vacuum device) with thrust M33 and inner cone MK 3.

Centering related to DIN 800 with 34mm.

Adapter for accessories of Hapfo-lathes with 35mm centering available.

Handwheel for braking. Handrest (275 mm) with quick-clamping made of cast iron.

Tailstock with eccentric quick clamping and cone MK3

DRIVE:

Stepless spindle drive with formable frequency, 2,2kW Motor, 400 Volt, 3-Ph. 50 Hz, Option 230 Volt, single-phase, Speed: 10 to 4000 U/min. Variable spindle drive with frequency converter, two gears via changing of belt drive, #1 with 10 to 1000 rpm, #2 with 100 to 4000 U/min, motor protected in headstock, electric according to VDE protected IP 54, lockable main switch and two 230 V sockets for working lights, grinding machine about main switch connected

DIMENSIONS (STANDARD): L=1.570 mm COMPACT, L= 1770 Standard
B=775 mm, H= 1.280 mm

WEIGHT (STANDARD): approx. 340 to 440 kg depending on type

BALL-TURNING- ATTACHMENT KPF-400

hapfo PERFORMER 400-FU



Tool-holder with hard metal plate,
for rough cutting without wearing



Tool-holder with HSS-cup-cutter
for final cutting, fast change by
180° turning of the bracket, chip-
limiter screw for safety reasons



Upper tool bracket with
diameter 43mm can be used
also for routers

The ball turning attachment **KPF-400** is specially designed for the dimensions and forces of the hapfo **PERFORMER 400-FU**. You can produce balls with a diameter of 65cm / 25 inches fast and efficient. Based on a turntable out of cast iron, the existing handrest of the machine can be used in a guiding system with handwheel and spindle to adjust it precise.

The ball turning attachment **KPF-400** can also be delivered completely and used on other big lathes. The **KPF-400** is equipped with two different cutting systems. On one side of the tool holder we have mounted a hardmetal plate for fast rough cutting of the ball. You don't need to sharpen this hardmetalplate and can concentrate on work. Due to the special diamond-shape and the big radius of the tool you have a very long lasting tool without risk of scuffing into the wood.

For the final cutting we have mounted a HSS-cup-cutter on the opposite side of the tool holder. To change between the tools you only turn the tool holder 180°. The tool holder is specially designed so that the tools are always on the same height.

To avoid that the cup-cutter is cutting too hard into the wood, we have fixed the cup-cutter with a special screw which is limiting the chip-volume.

MAXIMUM DIAMETER APP. 650mm / 25 inches

SCOPE OF DELIVERY:

- Turntable made of cast iron, with integrated guide for existing handrestbase
- Trapezoidal-spindle with handwheel for precise adjustment of the diameter
- Tool holder with diameter 43mm, equipped on one side with HSS-cup-cutter incl. chip-volume-limiter screw
- A hartmetal-plate for rough cutting on opposite side (especially useful also by interrupted cutting)
- Upper tool bracket with 43mm use with standard routers

Order-Nr.: 58252APZU without handrest

58362APZU incl. handrest like picture above



ONEWAY-STRONGHOLD CHUCK ADAPTED FOR PERFORMER 400-FU

For turning of big bowls on the PERFORMER 400-FU we recommend big chucks like the ONEWAY-Stronghold. Due to that the PERFORMER 400-FU is equipped with right/left mode, it is important to lock the chuck on the spindle thread. The spindle nose of the

PERFORMER 400-FU is equipped with a recess for the common safety screws of some chucks on the market. But this is not avoiding damages on the spindle nose, it only saves chuck and the wooden parts before total twist off the thread. Most of the times there is a damage left on the spindle nose.

Therefore we recommend to use the half shells for locking, which were approved since many years for the form-locking protection of the chuck on the spindle. We have designed specially for the ONEWAY-Stronghold an insert for that chuck with an integrated form-locking notch which can be delivered itself or completely with the chuck. This insert for the chuck is also made of cast iron to avoid seizing on the spindle thread.

Order Nr.: 36320APZU

HALF SHELL LOCKING SYSTEM FOR ONEWAY-STRONGHOLD

For locking of faceplates and chucks we can offer half shell locking systems. Due to the form locking it avoids any twist on the thread after mounting. It can also be used for e.g. left-handed persons turning on the backside of the machine in left-mode of the spindle.

Order Nr.: 36335APZU



FACE PLATE FOR ONEWAY-STRONGHOLD

Fitting to the ONEWAY-Stronghold chuck we are offering a 150mm face plate for mounting directly on the chuck. It is built out of massive steel (not only a ring) and has two recesses for the most used ONEWAY jaws #2 with approximately=65mm and the bigger #3-jaws and a diameter of approximately 115mm. We have also integrated a center hole to fix it for example with the tailstock.

Order Nr. 36325APZU

hapfo ACCESSORIES FOR PERFORMER 400-FU



INDEX PLATE FOR 400-FU

The standard handwheel can be exchanged with a handwheel with integrated index plate with 24 pitches. To find the different positions the face plate is marked with pitches of 3/4/6/8/24.

Order Nr.: 31314APZUU



ADDITIONAL MACHINE BED FOR 400-FU

For very large or difficult parts we can offer a separate machine bed to fix the handrest on it. This bed can be positioned wherever it is necessary. It can also be used for other lathes. Please tell us required dimensions.

Dimensions:

Length=500mm, Width=775 mm,

Height=775 mm; Weight: app. 50 kg

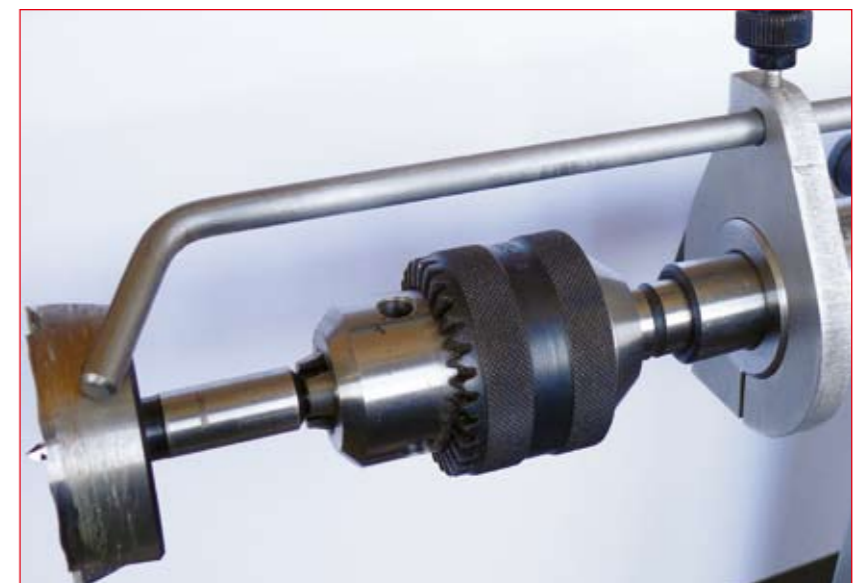
Scope of delivery: Machine bed like picture, without handrest

Order Nr.: 05800APST

BORING-DEPTH-LIMITER

For drilling of many parts the boring-depth-limiter can be a useful tool to produce always the same depth in the parts. Fast mounting with handle-ver on the headstock spindle. Easy adjustment of limiter with knurled screw.

Order Nr. 32220APZU





Your merchant/trader/supplier:

Titelfoto: Nadine Schachinger - Herzflimmern



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