

# Quality for generations!

## emco compact 5

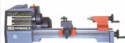


### Basic equipment:

Lathe bed, headstock, tailstock, saddle and cross slide with single toolholder, lathe dog with safety driving plate, MT 1 center, MT 2 center tool spacers, operating tool, operating instructions, service parts list.

Electric equipment: single-phase motor with motor switch and main switch.

Order No. 2841AA



### Technical data

#### of lathe

Height of centers	65 mm
Distance between centers	350 mm
Swing over bed	130 mm
Swing over cross slide	80 mm
Travel of cross slide	50 mm
Lead screw diameter	12 mm
Lead screw pitch - metric machine	1.5 mm
Approx. net weight	29 kg
Installation surface	980 x 470 mm

#### Headstock

Hole through work spindle	16 mm
Spindle hole taper	Standard MT 2
Number of speeds	6
Range of speeds	200 - 2400 rpm
Motor input power (P <sub>i</sub> )	500 W S3 - 60% ED

#### Tailstock

Center sleeve diameter	22 mm
Tailstock taper	MT 1
Sleeve stroke	25 mm

#### Thread pitches and feed rates

with automatic feed mechanism (accessory)

**Feed rates:** 2 longitudinal 0.07 / 0.14 mm/rev.

**Thread pitches:** 0.4 / 0.6 / 1.0 / 1.25 / 1.5 mm

**Additional screw threads with the change gear set**

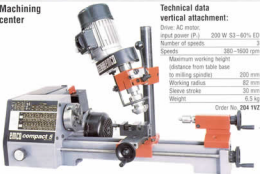
metric	inch
0.25 mm / 0.75 mm	10 Gg / 22 Gg
0.3 mm / 0.8 mm	11 Gg / 24 Gg
0.35 mm / 1.75 mm	12 Gg / 28 Gg
0.5 mm / 2.0 mm	14 Gg / 32 Gg
0.7 mm / 2.5 mm	16 Gg / 36 Gg
	18 Gg / 40 Gg
	20 Gg / 48 Gg

right- and left-hand thread

- ✓ More powerful motor - full power transmission by a Vee-belt
- ✓ The bearing of the lead spindle is generously dimensioned and self-adjustable
- ✓ Machine bed is of high-grade, vibration-free grey-cast iron
- ✓ Carriage and tail stock slide on Vee-guide-ways
- ✓ Setting of the speed within seconds - one belt provides up to 6 speeds
- ✓ Nut of lead screw and cross slide are adjustable

- ✓ Cross and top slide feature dovetail ways
- ✓ Big dimensioned graduated rind enables exact drilling operations
- ✓ Automatic feed mechanism (accessory) combines 2 rates of feed and 5 thread pitches
- ✓ Various range of accessories and tools for precise working
- ✓ With the vertical milling and drilling attachment - a machining center of the top class

### Machining center



### Technical data

#### vertical attachment:

Drive: AC motor	
input power (P <sub>i</sub> )	200 W S3 - 60% ED
Number of speeds	3
Speeds	380 - 1600 rpm
Maximum working height (distance from table base to milling spindle)	200 mm
Working radius	82 mm
Sieve stroke	30 mm
Weight	6.5 kg

Order No. 204 1VZ

### The different solution

#### Coordinate table

Clamping surface  
400 x 100 mm

Order No. 600 822T



# emco

Metallbearbeitung

# Prepared for every situation:

# EMCO compact 5



## Accessories Lathe

**Three-jaw lathe chuck,**  
compact version  
80 mm dia., with scroll, 2 x 3 jaws,  
tee-handle key  
Order No. **200 411**

**Set of three soft jaws**  
Order No. **200 412**

**Four-jaw independent chuck**  
90 mm dia., with reversible jaws  
Order No. **200 420**

**Clamping plate**  
90 mm dia., with 4 chucking grooves,  
2 clamps  
**Technical tip:** fits on spindle of  
headstock and on divider  
Order No. **200 320** and support flange  
Order No. **200 330**

**Three-jaw drill chuck**  
capacity 1-8 mm., with M 14 x 1  
mounting thread  
Order No. **152 500**

**Morse taper arbor MT 1**  
with M 14 x 1 mounting thread (for  
mounting drill chuck to tailstock)  
Order No. **200 230**

**Revolving center MT 1**  
Order No. **200 250**

**Double tool holder**  
for square tools up to a maximum  
cross-section of 6 x 6 mm  
**Technical tip:** fits on top slide  
Order No. **200 500**  
Order No. **200 610**

**Quick-change tool holder**  
consisting of tool holder body,  
3 standard tool holders, 1 operating key  
for square tools up to a maximum cross  
section of 8 x 8 mm.  
**Technical tip:** fits on top slide  
Order No. **200 500**  
Order No. **703 600**

**Toolholder for quick-change tool-post**  
(3 pieces) 753 580  
Order No. **703 600**

**Fixed steady**  
for workpieces from 2-40 mm dia.  
Order No. **200 240**

**Travelling steady**  
for workpieces from 4-25 mm dia.  
Order No. **200 220**

**Top slide**  
for taper turning  
Order No. **200 500**

**Left-hand thread attachment**  
Order No. **200 060**

**Automatic feed mechanism** consisting  
of gear quadrant with six change gear-  
wheels and clutch for two longitudinal  
feeds and five thread pitches,  
2 spacerfeed and 3 shear pins  
Order No. **200 300**

**Set of change gears** consisting of  
seven change gears for thread cutting,  
10 metric pitches from 0.25-2.5 mm  
and 14 inch pitches from 0.8 to 39 mm  
Order No. **200 220**

**Collet attachment** consisting of collet  
holder and arbor nut.  
For collets type **ESK-25**,  
capacity 1.5-14 mm  
Order No. **200 040**

**Set of 14 collets ESK-25**  
in wooden case, gripping capacity  
1.5-14 mm  
Order No. **225 000**

**Splash guard with chip tray**  
(can also be mounted at later stage)  
Order No. **200 150**

**Leveling device**  
Order No. **200 210**

**Safety goggles**  
Order No. **152 120**

## Accessories for milling and drilling attachment

**Support flange**  
**Technical tip:** For mounting three-jaw  
independent chuck Order No. **200 411**,  
four-jaw independent chuck Order No.  
**200 420**, clamping plate Order No.  
**200 320**, collet holder Order No. **200 040**  
Order No. **200 250**

**Facing and boring head (Fly cutter)**  
with 1 ground facing and boring tool,  
1 unground tool, operating key  
Order No. **150 100**

**Vertical fine feed attachment**  
1 divider = 0.1 mm  
Order No. **151 110**

**Collet attachment**  
for collets type **ESK-25**, gripping  
capacity 1.5-14 mm  
Order No. **200 050**

**Cutter arbor**  
for tooth milling cutters and circular saw  
blade  
Order No. **151 070**

**Dividing attachment** with integrated  
dividing plate for direct dividing,  
23 possible divisions: 2, 3, 4, 5, 6, 7, 8,  
9, 10, 12, 14, 15, 16, 18, 20, 24, 26, 30,  
36, 48, 56, 60

**Technical tip:** Chucking means that can be used - Three-  
jaw lathe chuck Order No. **200 411**, Clamping plate Order No.  
**200 320**, Four-jaw independent chuck Order No. **200 420**,  
Collet attachment Order No. **200 040** Order No. **200 320**

**Milling table**  
with 2 clamps, can be mounted on cross  
slide for facing or clamping large-surface  
workpieces  
Order No. **150 250**

**Machine vice**  
Clamping range 32 mm,  
Width of jaws 40 mm,  
Height of jaws 18 mm  
Order No. **200 210**

## Tools lathe

**6 turning tools, assorted**  
ground  
Order No. **111 500**

**5 turning tools**  
unground  
Order No. **110 010**

**2 threading tools**  
external and internal ground  
Order No. **111 600**

**Set of 5 carbide reversible tips**  
incl. turning tools  
Order No. **172 040**

**10 reversible tips**  
Order No. **172 060**

**Parting tool holder**  
with 1 mm H90 tool  
Order No. **703 170**

**Boring bar dia. 8 mm**  
with carbide reversible tips  
Order No. **703 200**

**10 reversible tips**  
Order No. **703 210**

**Tool assortment, large**  
15 twist drills, 1-8 mm dia. in steps  
of 0.5 mm  
2 center drills 1.5 mm dia.  
4 grooving cutters dia. 3, 4, 5, 6 mm  
1 roughing mill dia. 8 mm  
6 turning tools, ground, assorted  
1 turning tool, unground  
1 circular saw blade for metal dia. 60 mm  
1 countersink 90°  
1 T-slot cutter dia. 16 x 4 mm  
Order No. **152 100**

**Tool assortment, small**  
1 hand drill each 2, 3, 4, 5 mm dia., 1 center drill 1.5 mm  
dia., 1 countersink 90°, 1 grooving cutter 4 mm dia.,  
1 T-slot cutter 16 x 4 mm  
Order No. **119 000**

**Tool assortment** consisting of:  
2 cutting drills dia. 1.3 mm, 4 grooving cutters dia. 3, 4,  
5, 6 mm, 1 roughing cutter, 1 sliding cutter dia. 16 x  
4 mm, 1 countersink 90°  
Order No. **172 620**

**Circular saw blade**  
for metal, 60 mm dia.  
Order No. **123 100**

**Set of 6 gear mills**  
dia. 40 mm, Module 0.5 (No. 1-6)  
Order No. **152 110**

Your **compact 5** dealer: