

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, MT1 center, MT2 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
Leadscrew diameter	12 mm
Leadscrew 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 MT2
Number of speeds	6
Range of speeds	200 - 2400 rpm
Motor input power (P _i)	500 W S3 - 60%

Tailstock

Center sleeve diameter	22 mm
Tailstock taper	MT1
Sleeve stroke	35 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

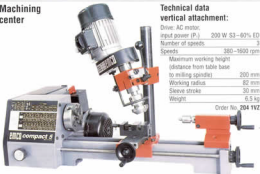
metric	inch
0.25 mm / 0.75 mm	10 Gg / 22 Gg
0.3 mm / 0.8 mm	11 Gg / 24 Gg
0.35 mm / 1.75 mm	12 Gg / 28 Gg
0.5 mm / 2.0 mm	14 Gg / 32 Gg
0.7 mm / 2.5 mm	16 Gg / 36 Gg
	18 Gg / 40 Gg
	20 Gg / 48 Gg

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 _i)	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
Sleeve stroke	30 mm
Weight	6.5 kg

Order No. 204 1VZ

The different solution

Coordinate table

Clamping surface
400 x 100 mm

Order No. 660 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. 200 350 Order No. 200 360



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. 200 280



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. 703 680



Toolholder for quick-change tool-post
(3 pieces) 753 680

Order No. 703 690



Fixed steady
for workpieces from 2-40 mm dia.

Order No. 200 240



Travelling steady
for workpieces from 4-25 mm dia.

Order No. 200 230



Tap 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 spaceras 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 48 to 10 tpi

Order No. 200 230



Collet attachment consisting of collet holder and union nut.
For collets type ESX-25, capacity 1.5-14 mm

Order No. 200 040



Set of 14 collets ESX-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. 200 360, 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 division = 0.1 mm

Order No. 151 110



Collet attachment
for collets type ESX-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

Order No. 200 320



Technical tip: Chucking means that can be used - Three-jaw lathe chuck Order No. 200 411, Clamping plate Order No. 200 360, 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 fixing or clamping large-surface workpieces

Order No. 150 350



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 HSS tool
Boring bar dia. 8 mm
with carbide reversible tips

Order No. 700 170



10 reversible tips

Order No. 700 200



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 twist 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. 1.5 mm, 4 grooving cutters dia. 3, 4, 5, 6 mm, 1 roughing cutter, 1 slotting cutter dia. 16 x 4 mm, 1 countersink 90°

Order No. 172 020



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: