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Ref. No.:

1150-12111225

## **Overview and Technical Data:**

### **EMCO - Compact 5 Mini-Lathe**

### **EMCO**

...the first of these is the fact that the ...

...the second of these is the fact that the ...

...the third of these is the fact that the ...

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...the ninth of these is the fact that the ...

Year of Build:  
Jan 1990

## **Description:**

# **Used EMCO compact 5 Mini-Lathe**

Build 1990

## **Further DATA:**

Compact 5 with the milling and drilling head fitted: capacity 2.56" x 13.78" (65 mm x 350 mm) with 6 spindle speeds from 200 to 2400 rpm. Long established and very popular, the Emco Compact 5 in its basic form does requires a number of accessories to turn it into a useful work tool - if you are looking at a used example the most import accessories are a swivelling top slide (often referred to as the "compound" and the automatic carriage-feed mechanism - a 2-speed device that included 6 changewheels and a push/pull engagement knob for the dog clutch. Using the unit gave two rates of fine longitudinal feed (0.07 mm (0.003")/rev and 0.14 mm (0.006")/rev and five metric thread pitches (0.4, 0.6, 1.0, 1.25 and 1.5 mm) - though only four (16, 20, 24 and 32 t.p.i.) on inch machines. To make the screwcutting system complete a further set of 7 seven changewheels were offered that allowed, on metric lathes (with a 1.5 mm leadscrew), the generation 10 metric pitches from 0.25 to 2.5 mm and 14 inch pitches from 10 to 48 t.p.i. On inch models - the leadscrew was 16 t.p.i.) 13 pitches from 10 to 10 to 64 t.p.i. were provided together with 11 metric from 0.25 to 1.75 mm.

Running in deep-groove, sealed-for-life ball bearings the headstock spindle was bored through 16 mm, had a No. Morse taper socket and was equipped with a safe (though slow-to-change) "bolt-on" spindle nose flange. Driven by a 500 Watt motor, six spindle speeds were provided that ranged from 200 to 2400 r.p.m. on a 50-cycle supply and 250 to 2800 on 60-cycle (as used in North America). The speed range is pretty well spot-on for small modelling work, allowing larger casting to be turned as well as small pins.

Able to be set over for the turning of slight tapers, the tailstock carried a 22 mm diameter spindle fitted with a No. 1 Morse taper socket.

The usual wide range of factory-supplied accessories was available including (in addition to those already mentioned) a very useful if rather lightly-built power vertical milling and drilling head, 3 and 4-jaw chucks, dividing attachment, a T-slotted faceplate (also used as a "clamping plate" on the dividing attachment), T-slotted boring table, tailstock chucks and rotating centres, turning, threading and boring tool sets, a 2-way toolpost, quick-set toolpost, fixed and travelling steadies, top slide, splash guard and a collet attachment to take ESX collets from 1.5 to 14 mm.

## **Technical Data:**

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Control:

[CNC](#)

Turning lenght:

350.00 mm

Turning diameter:

65.00 mm

Spindle Speed:

2400.00 rpm

Tailstock:

Yes

Bezel:

No

## **Dimensions and Weight:**

Weight:

50 kg

## **Buyer Information:**

Condition:

[Very good condition](#)

Available:

[Sold](#)

Sold as:

[EXW \(Ex Works - Incoterm\)](#)

VAT:

[19 %](#)

Buyers Premium:

[16 %](#)

Location:

Germany

## **Images:**



### GRUNDAUSSTATTUNG

Maschinenbett, Spindelstock, Reitstock, Längs- und Querschlitzen mit Einfachstahlhalter, Drehherz mit Sicherheitsmitnehmerscheibe, Körnerspitze MK1, Körnerspitze MK2, Drehstahlunterlagen, Bedienungswerkzeug, Betriebsanleitung, Serviceteilliste.

Elektrik: Einphasen-Wechselstrommotor (220 – 230 V, 50 Hz) mit Motorschalter und Hauptschalter.

**Best.-Nr. 200 1AA**

### TECHNISCHE DATEN Drehmaschine

Spitzenhöhe	65 mm
Spitzenweite	350 mm
Drehdurchmesser über Bett	130 mm
Drehdurchmesser über Querschlitzen	80 mm
Verschiebeweg Querschlitzen	50 mm
Leitspindel $\varnothing$	12 mm
Leitspindelsteigung	1,5 mm
Nettogewicht ca.	20 kg
Aufstellfläche	980x470 mm

### Spindelstock

Hauptspindelbohrung	16 mm
Spindelinnenkonus	Werksnorm MK 2
Anzahl der Drehzahlen	6
Drehzahlbereich	200–2400 U/min
Motor: Aufnahmeleistung (P1)	500 W S3–60%

### Reitstock

Pinolen $\varnothing$	22 mm
Reitstockkonus	MK 1
Pinolenhub	35 mm

### Gewinde und Vorschübe mit Vorschubeinheit (Zubehör)

#### Vorschübe:

2 längs	0,07 mm/U
	0,14 mm/U

### Gewinde

#### Zusätzliche Gewinde mit dem 2

metrische	0,25 mm	0,75 mm
	0,3 mm	0,8 mm
	0,35 mm	1,75 mm
	0,5 mm	2,0 mm
	0,7 mm	2,5 mm

#### Rechts- und Linksgewinde

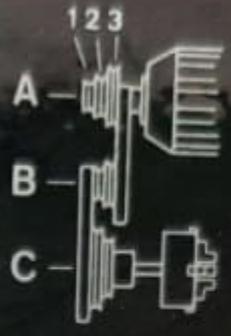
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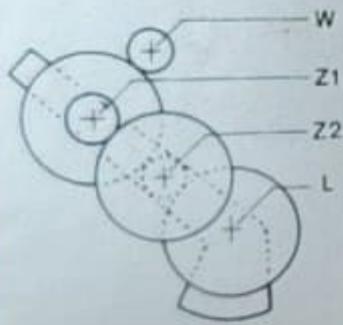
**Best.-Nr. DE 200 1**



mm/☉	0,07	0,14
	W 20	20
	Z1 25 60	50 60
	Z2 60 20	60 20
	L H60	H60



200  
BC1

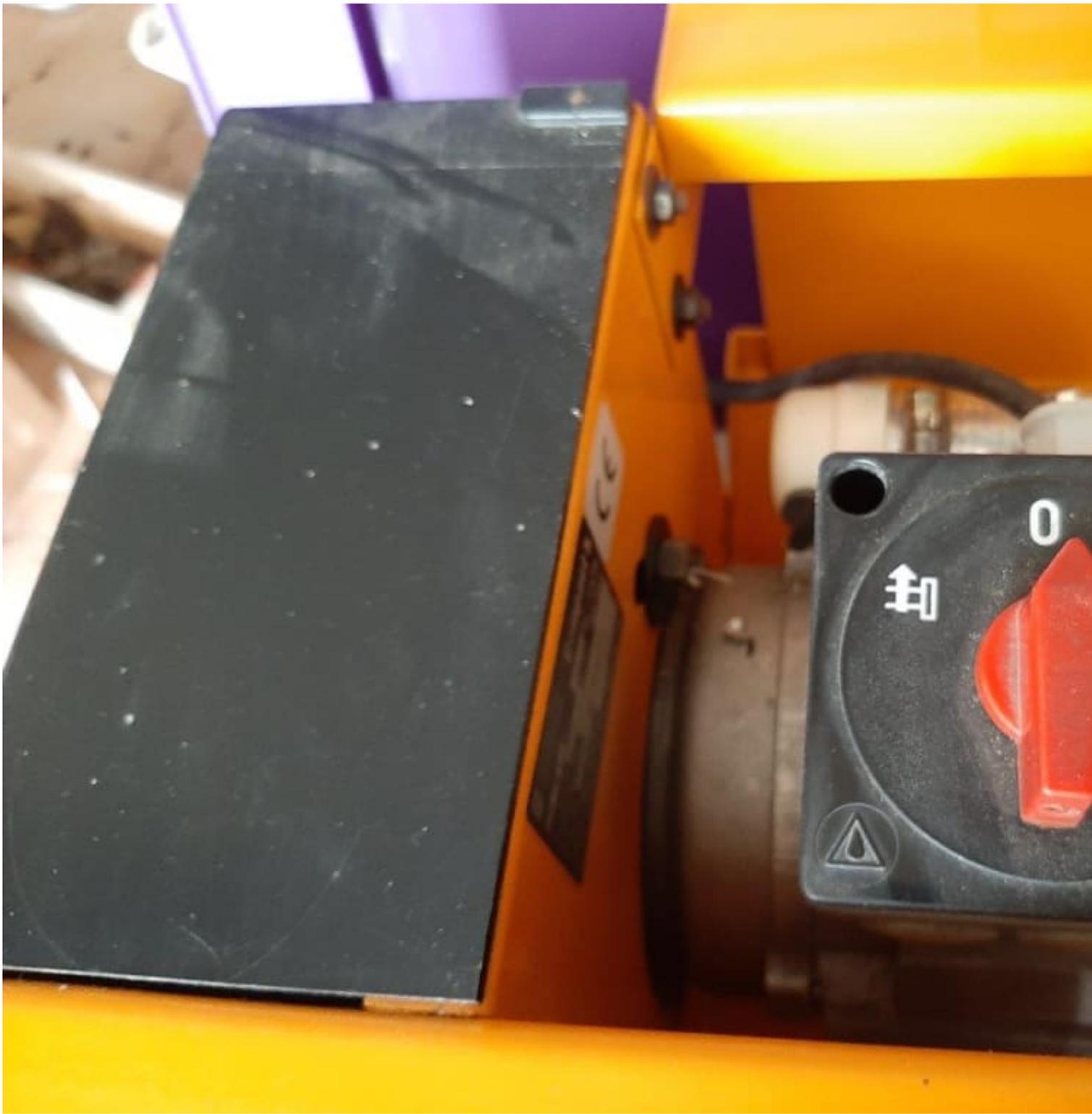


mm	0,4	0,5	0,6	0,7
	W 20	20	20	20
	Z1 H 60	H 72	H 60	H 72
	Z2 20 25	25 30	60 50	35 25
	L 60 H	50 H	60 H	60 H
n/1"	10	11	12	14
	W 20	20	20	20
	Z1 H 60	H 72	H 60	H 60
	Z2 72 34	60 26	72 34	72 34
	L 25 H	30 H	30 H	35 H

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Sold as:

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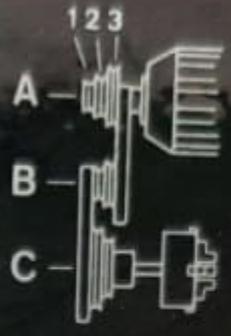
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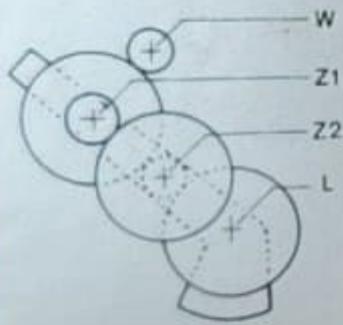
**Best.-Nr. DE 200 1**



mm/☉	0,07	0,14	
	W	20	20
	Z1	25 60	50 60
	Z2	60 20	60 20
	L	H60	H60



200  
BC1

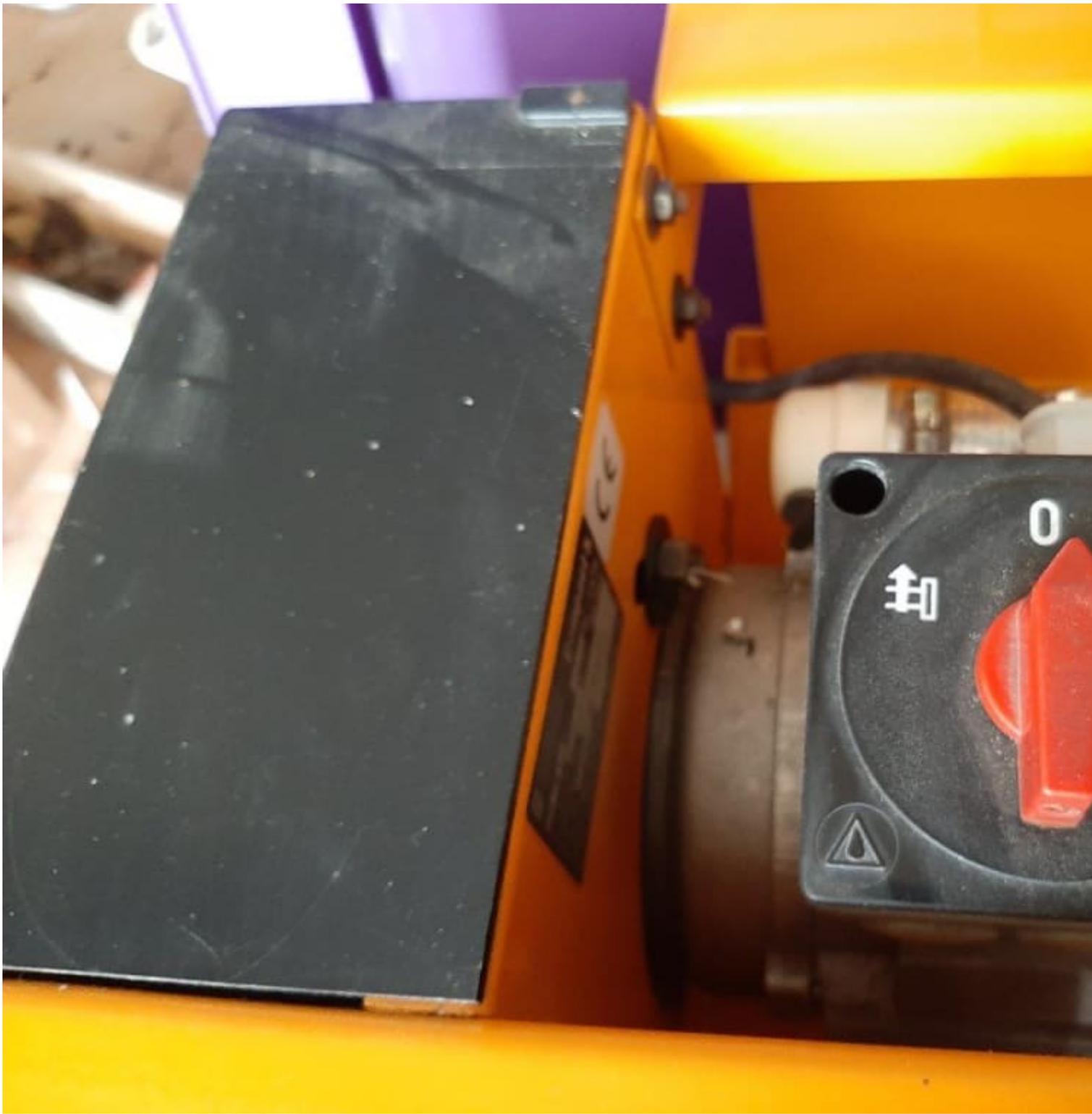


mm	0,4	0,5	0,6	0,7
	W	20	20	20
	Z1	H 60	H 72	H 60
	Z2	20 25	25 30	60 50
	L	60 H	50 H	60 H
	n/1"	10	11	12
	W	20	20	20
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	Z2	72 34	60 26	72 34
L	25 H	30 H	30 H	

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