

**CZMOOS**  
**TRADING s.r.o.**



**Drilling machines**  
**for industrial use**

# Radial Drilling Machines

Industrial radial drilling machines suitable for the drilling, tapping, spotting, boring and reaming of large range workpieces. The machines come with hydraulic clamping system and automatic feed (except VR 32 and 40). The speed is automatically adjusted. **The design come from the well known type from Czechoslovakia**

## Standard equipment

- Working lapm
- Cooling system
- Block table (box)
- Operation Manual
- Hydraulic clamping of spindle
- Hydraulic clamping of column
- Hydraulic clamping of arm
- Hydraulic couple
- Automatic feed
- CE certification

## VR 63 ▶

in the basic model, including transportation and installation

**price: €25,980**



## Optional accessories:

- Universal power vise
- Precision machine vise
- Universal tilting vises
- Keyless drill chudl
- Tapping chudl
- Morse taper sleeve

## ◀ VR 50

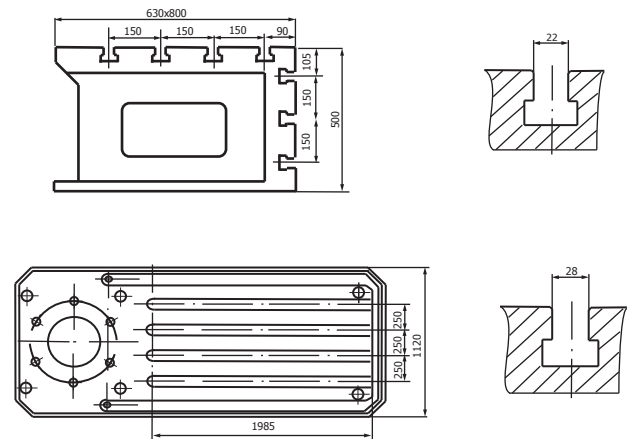
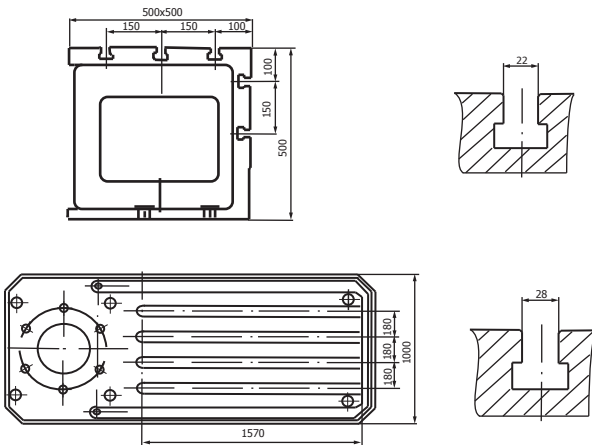
est-selling model in 2009, including transportation and installation

**price: €13,950**



## Base plate and drilling table VR 50

## Base plate and drilling table VR 63



## Special offers & sales support

### VR 80

in the basic model, including transportation and installation

price: €32,500

Radial drilling machines VR50 and VR 63 are the most popular assortment. With this action of VR 80 we want to encourage the sale of larger size. Take advantage of our menu for convenient purchasing

**We guarantee a 2 year warranty on this machine**

## Technical specification:

Model	VR 35	VR 40	VR 50	VR 63	VR 80	VR 100	VR 132	
Max. drilling capacity	35 mm	40 mm	50 mm	63 mm	80 mm	100 mm	132 mm	
Distance spindle-column	Max	1000 mm	1285 mm	1600 mm	2000 mm	2530 mm	3150 mm	4200 mm
	Min	300 mm	290 mm	350 mm	450 mm	530 mm	570 mm	600 mm
Distance spindle - baseplate	Max	1000 mm	1100 mm	1270 mm	1650 mm	2050 mm	2500 mm	2560 mm
	Min	230 mm	230 mm	370 mm	450 mm	600 mm	750 mm	750 mm
Travel of spindle	280 mm	250 mm	315 mm	400 mm	450 mm	500 mm	560 mm	
Taper of spindle	4#	4#	5#	5#	6#	6#	Metric 80	
Spindle speeds	40-1928 rpm	40-1500 rpm	25-2000 rpm	25-1600 rpm	16-1250 rpm	8-1000 rpm	6.3-800 rpm	
Number of spindle speeds steps	12	8	16	16	16	22	22	
Range of spindle feed	0.09-0.84 mm/ot	0.10-42 mm/ot	0.04-3.20 mm/ot	0.04-3.20 mm/ot	0.04-3.20 mm/ot	0.06-3.2 mm/ot	0.06-3.2 mm/r	
Range of spindle feed step	6	4	16	16	16	16	16	
Table size	-	500×400 mm	500×630 mm	630×800 mm	750×1000 mm	800×1250 mm	850×1350 mm	
Travel of spindle head	-	-	1250 mm	1550 mm	2000 mm	2580 mm	3600 mm	
Power of spindle motor	2,2 kW	3 kW	4 kW	5.5 kW	7.5 kW	15 kW	18.5 kW	
Net weight	1600 kg	1800 kg	3500 kg	7300 kg	10500 kg	20000 kg	29000	
Overall dimension (l×w×h)	1770×800×2059 mm	2000×870×2350 mm	2500×1070×2880 mm	3080×1250×3245 mm	3730×1400×4835 mm	4650×1630×4525 mm	6075×2000×4850 mm	

# Industrial column drilling machines

## Standard equipment

- Adjustable drilling depth with automatic stop
- Working lamp
- Drill chuck
- Integrated tapping unit
- Lubricate system
- Coolant unit
- Motorized table ( except model VS 30 )
- Digital depth read-out
- Automatic machine feed

## Optional accessories:

- Universal power vise
- Precision machine vise
- Universal tilting vises
- Keyless drill chudl
- Tapping chudl
- Morse taper sleeves

## VS 35A ▶

in the basic model, including transportation and installation

price: € 3,745



## Technical specification:

Model		VS 30A	VS 35A	VS 40A	VS50A
Max. Drilling dia.(steel) and tapping dia	mm	Ø30/M20	Ø 35/M22	Ø 40/M24	Ø 50/M30
Max.Travel of spindle	mm	155	190	200	240
Max.Distance from spindle to generating line of column	mm	320	340	360	360
Max.Distance from spindle nose to surface of worktable	mm	625	665	590	590
Max.Distance from spindle nose to surface of base worktable	mm	1180	1195	1175	1170
Max Travel of worktable and bracket / Manual (Mechanical)	mm	560	570(450)	530(410)	530(410)
Swivel angle of worktable	°	±45°	±45°	±45°	±45°
Spindle taper bore	MT	MT4	MT4	MT4	MT4
Spindle speed steps		12	12	12	12
Spindle speed range	rpm	125~3030	76~2065	52~1400	52~1400
Spindle feed steps		3	3	4	4
Spindle feed range	mm/r	0.1;0.2;0.3	0.1;0.2;0.3	0.1;0.2;0.3;0.4	0.1;0.2;0.3;0.4
Dimension of worktable	mm	500×420	500×440	580×460	580×460
Effective working area of worktable	mm	370×360	405×395	445×435	445×435
Diameter of column	mm	φ120	Φ 140	φ160	φ180
Power of motor	kW	1.0/1.2	1.5	2.2	3
Machine dimension	mm	870×510×2140	849×545×2290	940×680×2405	950×680×2405
Packing dimension/Net weight and gross weight(mm)	mm/ kg	960×590×2230 545/600	1000×650×2220 565/615	1170×680×2300 620/675	1170×680×2300 655/710