



Chester Vertical Broaching Machines • VBR Series



Features:

- Driven by hydraulic power, with variable speed
- PLC and Touch Screen
- Automatic Cycling, Semi Automatic Cycling and Segmented Cycling available
- Centralised Lubrication
- Chip Conveyor and Coolant System

Optional Accessories:

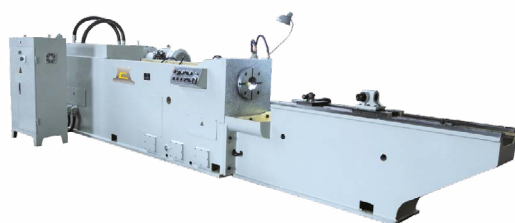
- Oil Cooler
- Broaching Tools

Standard Accessories:

- ✓ Tool Chuck
- ✓ Auxiliary Tool Chuck
- ✓ Faceplate
- ✓ Hydraulic Station
- ✓ Lubrication System
- ✓ Cooling System
- ✓ Automatic Magnetic Chip
- ✓ Conveyor
- ✓ Working Lamp
- ✓ Splash Guard
- ✓ Operation Manual

Model	VBR12	VBR16
Rated Tension x Max. Travel	100mmx1250KN	200mmx1600KN
Broaching Speed (stepless)	42408m/min	42408m/min
Return Speed of Broach	42417m/min	42417m/min
Dimension of Worktable	450x450mm	600x520mm
Hole Diameter of Work Table	150mm	200mm
Hole Diameter of Faceplate	100mm	130mm
Distance From Surface Table to Base	1670mm	2589mm
Distance From End Face of Auxiliary Tool Base To Surface of Table	725-1415mm	750-1500mm
Rate of Flow of Main Hydraulic Pump	200L/min	300L/min
Verticality of Line of Broach Rear Hole on Tested Workpiece Against Base	0.06/200mm	0.06/200mm
Surface Roughness of Broach on Tested Workpiece	> Ra3.2	> Ra3.2
Max. Work Pressure	10Mpa	10Mpa
Main Motor	17kw(23.12hp)	30kw(40.8hp)
Overall Dimensions	3312x1343x3233mm	3710x2100x4556mm
Net Weight	5000kg	9000kg

Chester Horizontal Broaching Machines • HBR Series



Features:

- Driven by hydraulic power, with variable speed
- High Pressure Chip Flushing System
- Automatic Cycling, Semi Automatic Cycling and Segmented Cycling available
- Centralised Lubrication

Optional Accessories:

- Oil Cooler
- Air Spray Gun
- Broaching Tool
- Automatic Chip Conveyor (with chip trolley)

Standard Accessories:

- ✓ Tool Chuck
- ✓ Auxiliary Tool Chuck
- ✓ Faceplate
- ✓ Hydraulic Station
- ✓ Lubrication System
- ✓ Cooling Pump
- ✓ Chip-removal System
- ✓ Operation Manual

Model	HBR10	HBR20	HBR40	HBR60	HBR80
Rated Pulling Force	100kn	200kn	400kn	600kn	800kn
Max.Stroke Length	1250mm	1600mm	2000mm	2000mm	2000mm
Length Range of Broaching Tool	600-1300mm	600-1650mm	600-2050mm	600-2050mm	600-2050mm
Hole Diameter of Worktable	100mm	130mm	150mm	250mm	250mm
Max. Outer Diameter of Workpiece	570mm	620mm	640mm	680mm	680mm
Working Speed	2-11m/min	1.5-11m/min	1.5-7m/min	1-6m/min	1-4.2m/min
Returning Speed	14-25m/min	7-20m/min	12-20m/min	5-14m/min	5-12m/min
Motor	15kw(20.4hp)	22kw(29.92hp)	37kw(50.32hp)	55kw(74.8hp)	75kw(102hp)
Verticality Of Centre Line Of Broach Rear Hole on Tested Workpiece Against Base	0.06/200mm	0.06/200mm	0.06/200mm	0.06/200mm	0.06/200mm
Overall Dimensions	5620x1720x-1350mm	6830x1820x-1440mm	8640x2055x-1375mm	8460x3000x-1454mm	8460x3000x-1454mm
Net Weight	4800kg	5900kg	10500kg	12000kg	12500kg

* The above specifications are subject to change without prior notice, no liability for mistakes. Machines may be shown with optional equipment.

