

CITIZEN

Miyano

BNE42 / 51

Fixed Headstock Type CNC Automatic Lathe



Machine specifications

Item		BNE-42S6	BNE-51S6	BNE-42SY6	BNE-51SY6	
Machining capacity						
Maximum work length		90mm				
Maximum bar diameter	SP1	42mm Dia.	51mm Dia.	42mm Dia.	51mm Dia.	
	SP2	42mm Dia.	42mm Dia.	42mm Dia.	42mm Dia.	
Spindle						
Number of spindles		2				
Spindle speed	SP1	6,000 min ⁻¹	5,000 min ⁻¹	6,000 min ⁻¹	5,000 min ⁻¹	
	SP2	5,000 min ⁻¹				
Spindle nose	SP1	Flat	A2-6	Flat	A2-6	
	SP2	Flat				
Draw tube Dia.	SP1	43 mm Dia.	52 mm Dia.	43 mm Dia.	52 mm Dia.	
	SP2	43 mm Dia.				
Type of collet chuck	SP1	H-S20/ DIN173E	H-S22/ DIN177E	H-S20/ DIN173E	H-S22/ DIN177E	
	SP2	H-S20/ DIN173E				
Power chuck size and type	SP1	5" (135 mm Dia.) Hydraulic	6" (169 mm Dia.)	5" (135 mm Dia.)	6" (169 mm Dia.)	
	SP2	5" (135 mm Dia.) Hydraulic				
Turret						
Number of turret		2				
Turret stations	HD1	12ST.				
	HD2	12ST.				
Shank size of square turning tool		20 mm Sq.				
Diameter of drill shank		25 mm Dia.				
Revolving tool						
Number of revolving tools		Max. 12+12				
Type of revolving tools		Single clutch				
Tool spindle speed range		Max. 6,000 min ⁻¹				
Feed rate						
Rapid feed rate	X1axis	18 m/ min				
	X2axis	16.2 m/ min				
	Z1axis	20 m/ min				
	Z2axis	18 m/ min				
	Y1axis		12 m/ min			
	Baxis	20 m/ min				
Slide stroke	X1axis	175 mm				
	X2axis	145 mm				
	Z1axis	380 mm				
	Z2axis	175 mm				
	Y1axis		±40 mm			
	Baxis	450mm				
Motors						
Spindle motor	SP1	15/ 11 kw (15min. /cont)				
	SP2	5.5/ 3.7 kw (15min. /cont)				
Revolving tool motor		2.2 kw 20 Nm				
Hydraulic operating motor		1.5 kw				
Lubricating motor		0.023 kw				
Coolant motor		0.25 kw				
High-pressure coolant motor		0.8/ 1.36 kw (50/ 60Hz)				
Turret index motor		0.75 kw				
Power supply						
Capacity		43 KVA	44 KVA	43 KVA	44 KVA	
Voltage		AC 200 V				
Air supply		0.5 Mpa				
Fuse		125 A				
Tank capacity						
Hydraulic oil tank capacity		10 L				
Lubricatibg oil tank capacity		4 L				
Coolant tank capacity		350 L				
Machine dimensions						
Machine height		1,925 mm			2,080 mm	
Floor spase		W2,690xD2,160 mm				
Machine weight		7,600 kg	7,800 kg	7,600 kg	7,800 kg	
Optional accessories						
Spindle brake, Air blow, Work ejector, Automatic fire extinguisher, Automatic power shut-off, Chip box, Parts conveyor, Coolant level switch, High pressure coolant, Inner high pressure coolant & air blow, Tool setter, Parts Catcher, Parts Box, Collet chuck system, Chip conveyor, Total & preset counter, Oil mist collector, Signal tower, Filler tube, Spindle inner bushing, Bar feeder inner bushing, Cut-off confirmation, Parts carrier, Left over catcher, Drill checker.						

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