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Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://qianzhu.nt-rt.ru/> || quz@nt-rt.ru

C6241/46/46D/51/56/56D

Apron box construction design patent with rapid movement



Specification	Model					
	C6241	C6246	C6246D	C6251	C6256	C6256D
Swing over bed	410mm(16")	460mm(18")	460mm(18")	510mm(20")	560mm(22")	560mm(22")
Swing over cross slide	220mm (8-13/16")	270mm (10-3/4")	270mm (10-3/4")	305mm (12")	355mm (14")	355mm (14")
Swing in gap diameter	640mm (25-1/8")	690mm (27-1/8")	690mm (27-1/8")	735mm (28-7/8")	785mm (30-7/8")	785mm (30-7/8")
Distance between centers		1000mm(40") 1500mm(60") 2000mm(80")			1000mm(40") 1500mm(60") 2000mm(80") 3000mm(120")	
Valid length of gap		165mm(6-1/2")			170mm(6-11/16")	
Width of bed		300mm(11-13/16")			350mm(13-13/16")	
Spindle nose		D1-6	D1-8		D1-8	
Spindle bore		58mm(2-1/4")	80mm(3-1/8")	80mm(3-1/8")		105mm(4-1/8")
Taper of spindle bore		No.6 Morse	No.7 Morse	No.7 Morse		φ 113(1:20)
Range of spindle speed		12changes, 25 ~ 2000r/min		12changes, 25 ~ 2000r/min		12changes 25 ~ 1500r/min
Compound rest travel		128mm(5")			130mm(5-1/8")	
Cross slide travel		285mm(11-1/4")			316mm(12-7/16")	
Max. Section of tool		20x20mm(1"x1")				
Lead screw thread		6mm or 4T.P.I.				
Longitudinal feeds range		42 kinds, 0.031 ~ 1.7mm/rev (0.0011" ~ 0.0633"/rev)		32 kinds, 0.059 ~ 1.646mm/rev (0.0022" ~ 0.0612"/rev)		
Cross feeds range		42 kinds, 0.014 ~ 0.784mm/rev (0.00033" ~ 0.01837"/rev)		42 kinds, 0.020 ~ 0.573mm/rev (0.00048" ~ 0.01354"/rev)		
Threads metric pitches		41 kinds, 0.1 ~ 14mm		47 kinds, 0.2 ~ 14mm		41 kinds, 0.1 ~ 14mm
Threads imperial pitches		60 kinds, 2 ~ 112T.P.I				
Threads diametral pitches		50 kinds, 4 ~ 112DP				
Threads module pitches		34 kinds, 0.1 ~ 7MP				
Quill diameter		60mm(2-5/16")			75mm(2-15/16")	
Quill travel		130mm(5")			180mm(7-1/16")	
Quill taper		No.4 Morse			No.5 Morse	
Main motor power		5.5kW(7.5HP)3PH			7.5kW(10HP)3PH	
Coolant pump power		0.1kW(1/8HP)3PH				
Overall dimension(LxWxH)	220x108x134cm 275x108x134cm 325x108x134cm	220x108x137cm 275x108x137cm 325x108x137cm	220x108x137cm 275x108x137cm 325x108x137cm	239x115x143cm 284x115x143cm 334x115x143cm 434x115x143cm	239x115x146cm 284x115x146cm 334x115x146cm 434x115x146cm	239x115x146cm 284x115x146cm 334x115x146cm 434x115x146cm
packing size(LxWxH)	225x112x162cm 280x112x162cm 330x112x162cm	225x112x162cm 280x112x156cm 330x112x156cm	225x112x162cm 280x112x156cm 330x112x156cm	245x119x174cm 290x119x174cm 340x119x174cm 440x119x174cm	245x119x174cm 290x119x174cm 340x119x174cm 440x119x174cm	245x119x174cm 290x119x174cm 340x119x174cm 440x119x174cm
Net weight	1580kg 1745kg 1900kg	1645kg 1810kg 1965kg	1645kg 1810kg 1965kg	2070kg 2160kg 2435kg 2805kg	2195kg 2285kg 2560kg 2930kg	2195kg 2285kg 2560kg 2930kg
Gross weight	1844kg 2049kg 2229kg	1910kg 2115kg 2295kg	1910kg 2115kg 2295kg	2460kg 2550kg 2840kg 3270kg	2600kg 2690kg 2980kg 3410kg	2600kg 2690kg 2980kg 3410kg