

# Horizontal Boring Machine



BX13

## Standard Accessories

- Tool bar
- Ditto
- Milling tool bar
- Short handle
- Wedge bolck
- Long handle
- Tool holder for facing head
- Boring bar bearing
- Precise hexagon nut
- Foundation bolt
- Finishing washer
- Hand driven grease gun

## Optional Accessories

- Milling toolholder for facing head
- Change gear
- Boring tool
- Versatile boring toolholder
- Boring toolholder for facing head
- Short toolholder for facing head
- Long toolholder for facing head
- Bend Plated
- Step-type Press Plate

Model			14704	14706	14707	14708	14709	14705	14710	14711
		Units	TPX611B	TPX611B/2	TPX611B/3	TPX6113	TPX6113/2	TPX611C/3	TPX6113B	TPX6113B/2
Spindle	Spindle diameter	mm	110	110	110	130	130	110	130	130
	Spindle taper		Morse No6 (Optional ISO7:24 No50)			Metric 80 (Optional ISO7:24 No50)		ISO7:24 No50		
	Max.spindle torque	N.m	1225	1225	1225	3136	3136	1250	2950	2950
	Max.spindle thrust	N	12250	12250	12250	31360	31360	12250	31360	31360
	Number of spindle speed		22	22	22	24	24	Stepless	Stepless	Stepless
	Range of spindle speed	r/min	8-1000	8-1000	8-1000	4-800	4-800	8-1100	8-800	8-800
	Power of main motor	kw	7.5	7.5	7.5	15	15	15	18.5	18.5
Facing head	Max.facing head torque	N.m	1960	1960	1960	4900	4900	1960	4694	4694
	Facing head diameter	mm	600	600	600	750	750	630	750	750
	Range of facing head speed	r/min	4-200	4-200	4-200	2.5-125	2.5-125	4-200	2.5-125	2.5-125
	Number of facing head speed		18	18	18	18	18	18	18	18
Table	Table working surface (LxW)	mm	1100x960	1100x960	1250x1100	1600x1400	1800x1600	1250x1100	1600x1400	1800x1600
	Max.permissible load on table	kg	2500	2500	3000	8000	10000	3000	8000	10000
	T-slot	mm	22	22	22	28	28	22	28	28
	Number of T-slot		7	7	7	9	11	7	9	11
Working range	X-axis travel	mm	900	1250	1600	1600	2000	1600	1600	2000
	Y-axis travel	mm	900	900	1200	1400	1800	1200	1400	1800
	Z-axis trave	mm	1400	1400	1400	2000	2000	1400	1500	2000
	W-axis travel (Spindle travel)	mm	600	600	600	900	900	600	900	900
	U-axis travel (Facing slide travel)	mm	180	180	180	250	250	180	250	250
	B-axis worktable rotary	°	360	360	360	360	360	360	360	360
	Min.distance between spindle axis and table surface	mm	0	0	0	0	0	0	0	0
Feed range of revolution	Rapid travel (X/Y/Z/W)	mm/min	2500	2500	2500	2500	2500	2500	2500	2500
	Range of axes speed per spindle revolution (X/Y/Z/W)	mm/rev	0.04-6 / 0.01-1.88			0.05-8 / 0.01-2				
	Feed range (X/Y/Z/W)	mm/min								0.32-2500
Precision	Measurement system reading precision (X/Y/Z) (Z-axis measurement optional)	mm	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
	B-axis measurement system reading precision (B-axis measurement optional)	°	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
General parameter items	Overall dimensions (LxVxH)	cm	491x245x275	491x287x275	512x338x310	700x364x344	703x466x380	512x338x310	699x364x344	703x466x380
	Weight of machine	kg	13000	14500	18000	24500	29300	18000	24500	29300