AHB

TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

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willis

JAGUAR

CNC LATHES

CNC *LATHES*

The extensive list of machine features includes:

- Automatic headstock speed change with three-range
- Superior headstock positive flow lubrication system with oil-cooler
- The rigid construction bed is with hardened and precision grinding
- Full enclosed and interlocked guarding
- Independent, sliding operator's console allow moving quickly/effortlessly aside

1850

2040

30120

LATHES

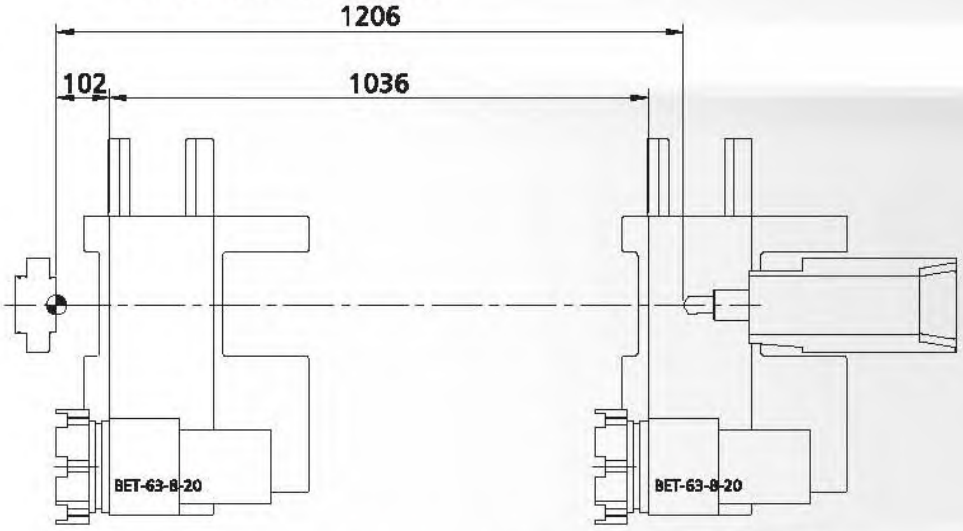
2060

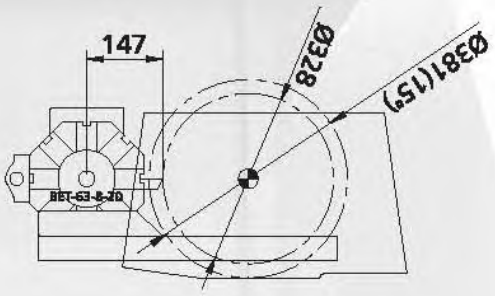
2080

01.02

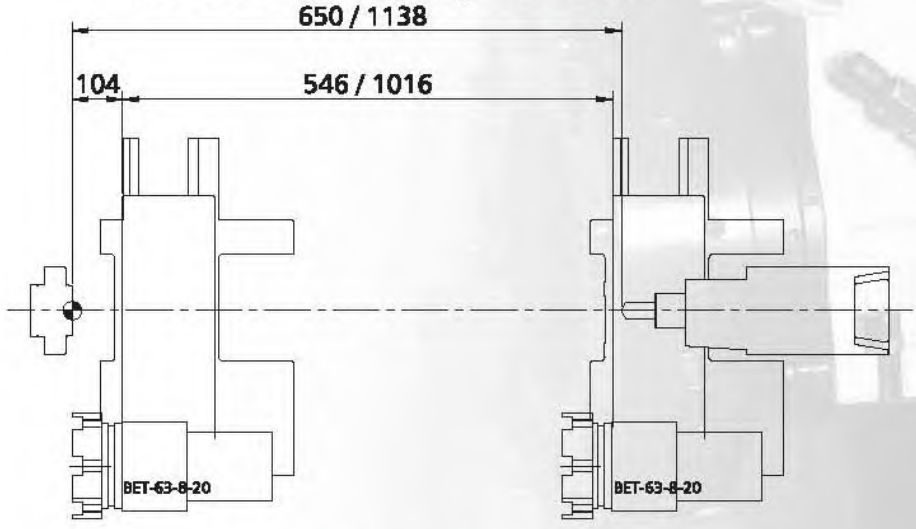
CNC LATHES

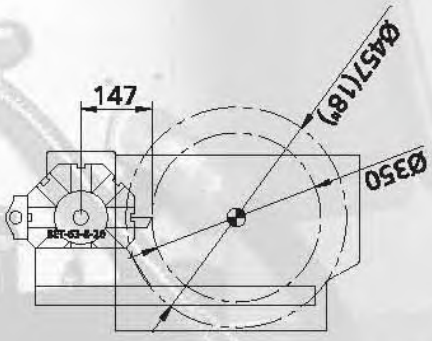
CNC-1550



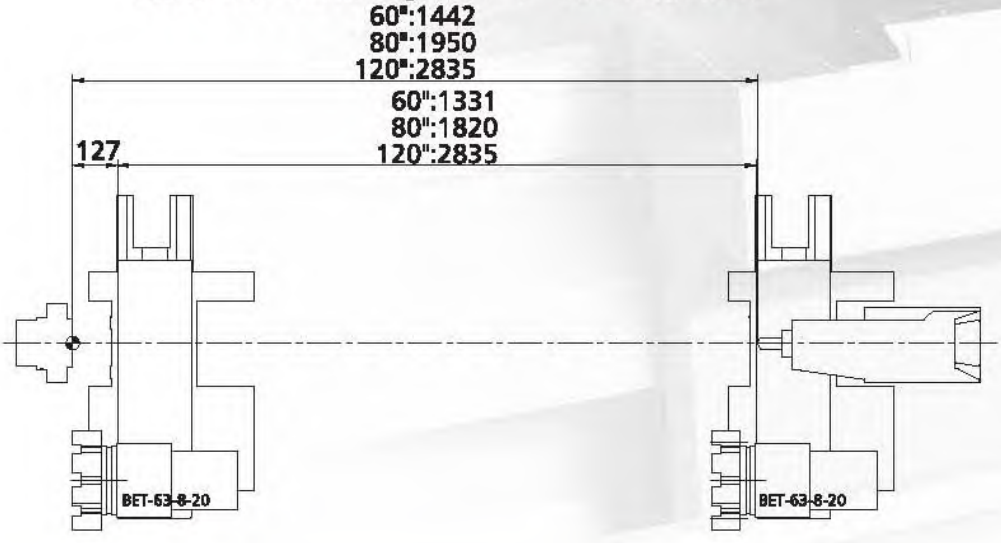


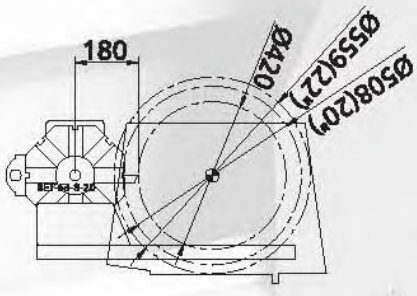
CNC-1825 / 1850



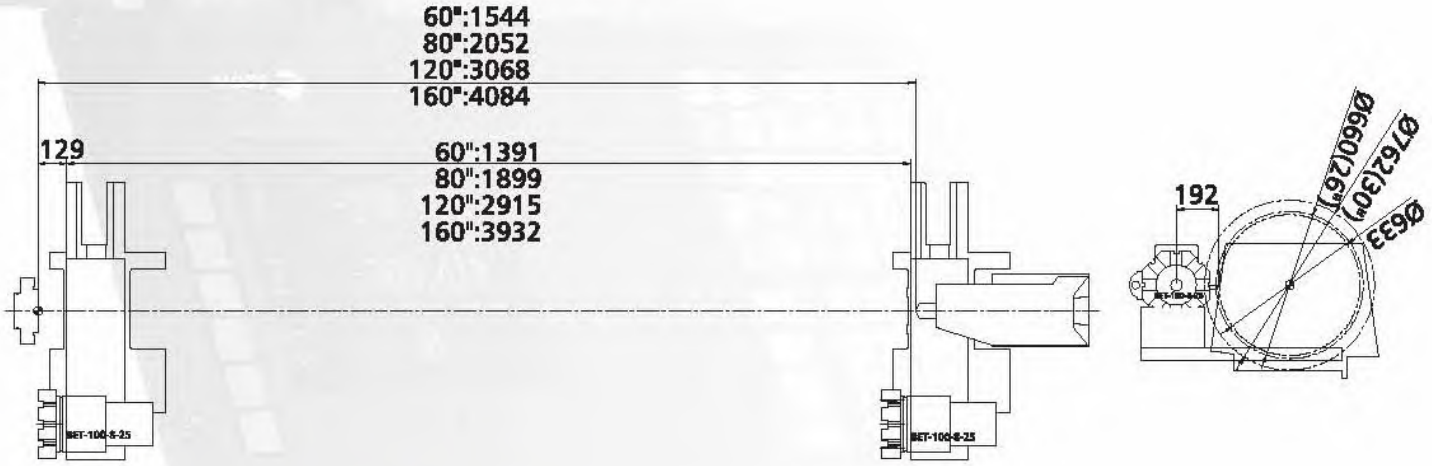


CNC-20" / 22" Series





CNC-26" / 30" Series



Tooling System

Quick Change Toolpost

	Type	Tool Section	Boring Bar Dia	MT
CNC-1550 / 1850	JS2T	25 mm	32 mm	2
CNC-20" / 22"	JS3	32 mm	40 mm	3
CNC-26" / 30"	JS3	32 mm	40 mm	3
CNC-32" / 40"	JS4	32 mm	50 mm	4
CNC-52" / 60"	JS4	32 mm	50 mm	4

Elec. 4-Way Toolpost

Type	Tool Section	Boring Bar Dia
SQTP-166	20 mm	25 mm
SQTP-180	25 mm	40 mm
SQTP-180	25 mm	40 mm

Elec. 8-Station Turret (mounting at front of cross slide)

	Type	No. of Station	Tool Section	Boring Bar Dia	VDI-Tool Disc
CNC-1550 / 1850	BTP-63	8	20 mm	32 mm	30 mm
CNC-20" / 22"	BTP-80	8	25 mm	40 mm	40 mm
CNC-26" / 30"	BTP-100	8	32 mm	50 mm	40 mm
CNC-32" / 40"	BTP-125	8	32 mm	50 mm	50 mm
CNC-50" / 62"	BTP-160	8	40 mm	60 mm	60 mm

Driven Tooling

PRAGATI Driven Tool Turret

Model	CNC-20" / 22"	CNC-26" / 30" / 32" / 40"
TYPE	DTT-80H	DTT-100H
No of Station	12	12
Toolholder Type	VDI30	VDI40
Cutting Capacity		
Drilling (mm x mm/rev)	14 / 0.15	20 / 0.2
Tapping (mm x mm)	M10 x 1.5 / M24 x 1	M16 / 2.0 / M24 x 1.5
Slot Milling (mm x mm x mm/min)	20 x 10 x 40	20 x 14 x 40

CNC LATHES

SPECIFICATIONS

MODEL		1550	1825	1850	2040/2060 2080/20120	2240/2260 2280/22120
CAPACITY						
Swing over bed		390(15.25)	460(18)		510(20)	560(22)
Swing over cross slide		240(9.5)	295(11.8)		340(13.5)	390(15.5)
Swing in gap		610(24)	635(25)		760(30)	810(32)
Distance between center		1250(50)	650(25)	1250(50)	1000(40)/1500(60)/2000(80)/3000(120)	
Gap width from faceplate		150(6)	165(6.5)		230(9)	
HEADSTOCK						
Spindle nose		D1-6(A2-6)	D1-6(A2-6)		D1-8(A2-8)	
Spindle bore		54(2.125)	54(2.125)		80(3.125)	
Spindle speeds	Low range	13-340	13-392		26-266	
	Medium range	–	391-1135		267-766	
	High range	341-3500	1136-3500		767-2400	
Spindle nose bush		MT6 x MT4	MT6 x MT4		MT7 x MT5	
TAILSTOCK						
Quill travel		155(6.125)	140(5.5)		200(8)	
Quill diameter		58.5(2.3)	73(2.87)		75(3)	
Quill taper		MT4	MT5		MT5	
BED						
Bed width		270(11)	318(12.5)		345(13)	
Max. longitudinal travel		920(36)	300(12)	900(35)	680(26.8)/1190(46.8)/1700(67)/2710(106.7)	
Max. turning length		870(34)	260(0.2)	860(33.8)	630(24.8)/1140(44.8)/1650(65)/2660(104.7)	
GENERAL INFORMATION						
Overall length		3330(131)	2730(107)	3330(131)	2970(117)/3670(145)/4170(164)/5170(204)	
Overal width		2250(88)	2250(88)		2100(83)	
Overal height		2150(85)	2150(85)		2230(88)	
Net weight (Approx. kgs)		1800	2000	2200	2600/2800/3000/3800	2700/2900/3200/4000
Gross weight (Approx. kgs)		2300	2400	2700	3200/3400/3600/4600	3500/3700/4000/4800

• The above specifications subject to change without prior notice.

CNC LATHES

	2660/2680 26120/26160	3060/3080 30120/30160
	660(26)	760(30)
	460(18)	560(22)
	960(37.8)	1060(41.7)
	1500(60)/2000(80)/3000(120)/4000(160)	
	300(11.8)	
	D1-11(A2-11)	D1-11(A2-11) / A2-11
	105	105 / 155-OPT.
	26-224	26-224 / 10-150
	225-670	225-670 / 151-490
	671-2000	671-2000 / 491-1400
	MT8 x MT6	MT8 x MT6 / –
	300(12)	
	105(4.125)	
	MT6	
	480(18.9)	
	1190(46.8)/1700(67)/2710(106.7)/3730(146.8)	
	1140(44.8)/1650(65)/2660(104.7)/3680(144.8)	
	4200(165)/4700(185)/5700(224)/6700(264)	
	2250(88)	
	2260(88)	
	4300/4800/6000/7200	4500/5000/6200/7400
	4900/5500/6800/8200	5100/5700/7000/8400

Standard Equipments:

- FAGOR 8055i/A-TC control system
- Automatic lubrication pump for slideways and ballscrews
- Automatic spindle speed gear change
- Cutting fluid coolant system
- Full enclosed end guard
- Headstock/Gearbox oil cooler
- Working light
- RS-232 port
- Leveling blocks
- Centers and center sleeve
- Service tools & toolbox

Optional Equipments:

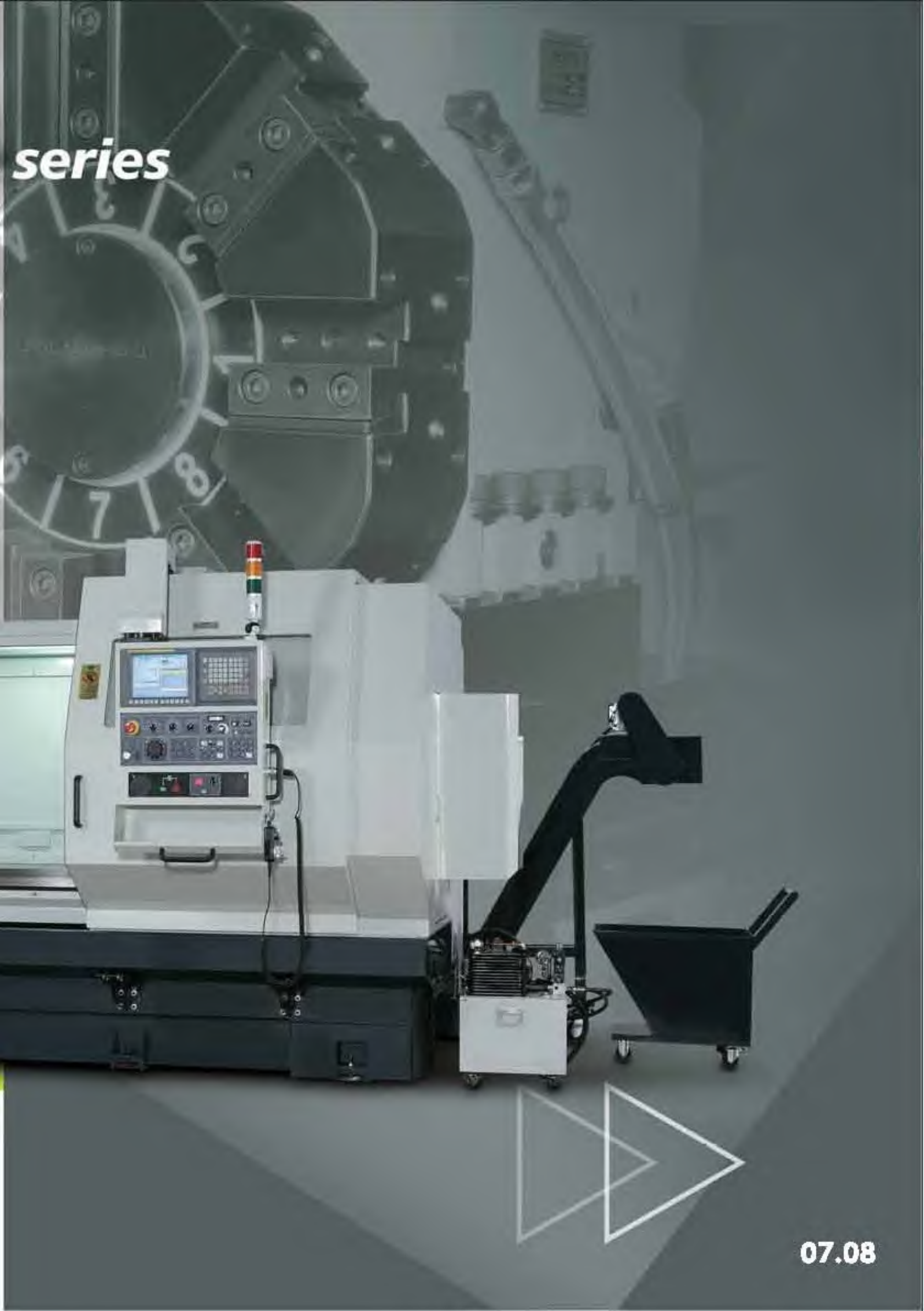
- FANUC 0i-TD control system
- SIEMENS 828D control system
- Manual type 3-jaw scroll chuck
- Manual type 4-jaw independent chuck
- Hydraulic hollow chuck
- DICKSON quick change toolpost
- Elec. 4-way toolpost
- Elec. 8-station turret (Front Mounting)
- Hydraulic tailstock
- Steady rest
- Follow rest
- Chain type chip conveyor with cart
- C-Axis with Live Turret
- Special functions by consult

More selection on JAGUAR
with Bigger Swing & Spindle Bore

Machine Features:

- Automatic headstock speed change with four-range
- 155mm spindle bore is standard and available for bigger spindle bore: 250mm/305mm/380mm.
- Superior headstock positive flow lubrication system with oil-cooler
- The rigid construction bed is with hardened and precision grinding
- Full enclosed and interlocked guarding

3250 / 3280 / 32120 / 32160 / 32200 / 32240
4050 / 4080 / 40120 / 40160 / 40200 / 40240
5060 / 5080 / 50120 / 50160 / 50200 / 50240
6260 / 6280 / 62120 / 62160 / 62200 / 62240


series
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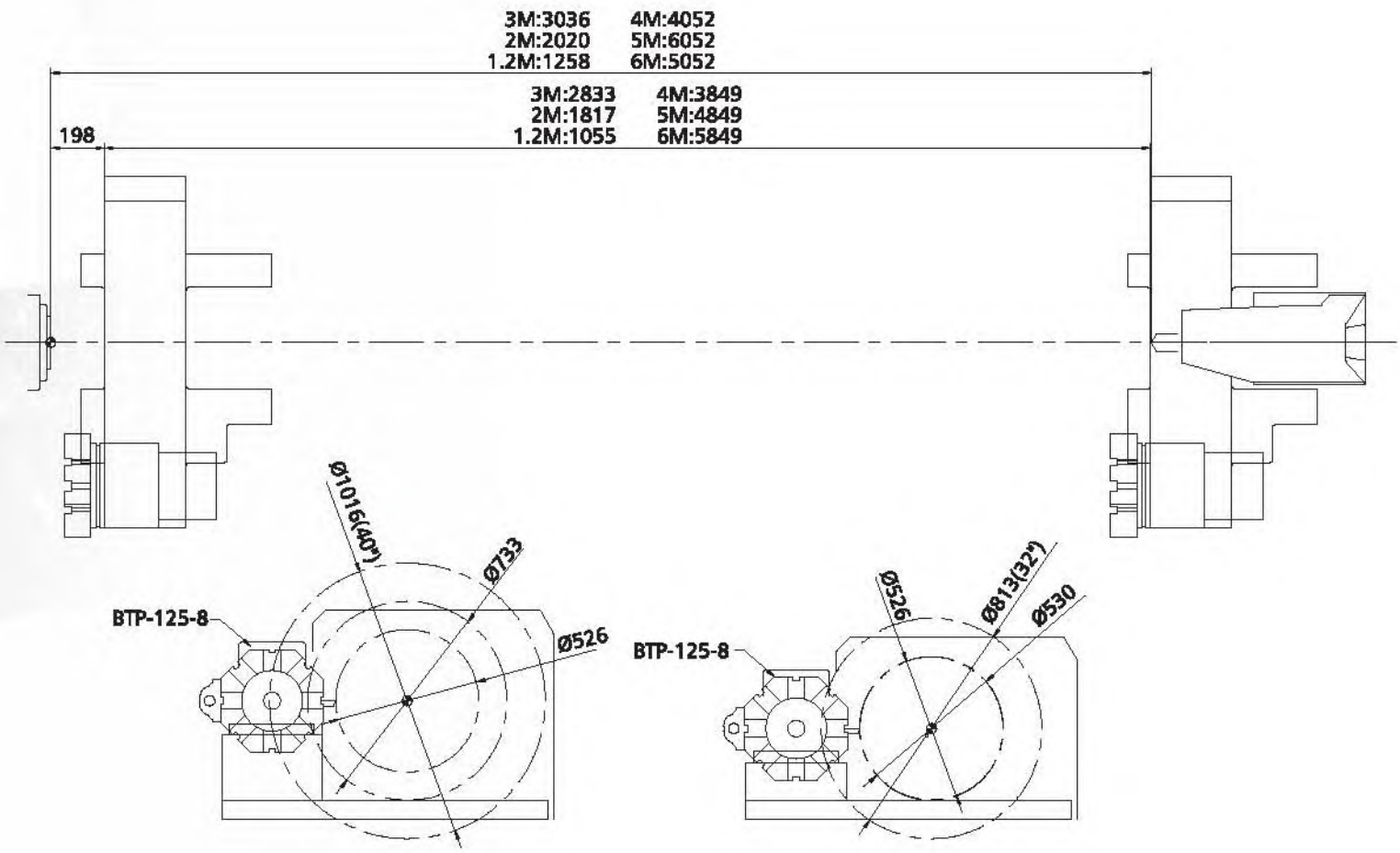
Spindle Bore offered 155mm / 250mm / 380mm for selection

Headstock Assembly & Lubrication System

Adaptor for Rear Chuck Mounting



Standard Equipments:

- FAGOR 8055i/A-TC control system
- Automatic lubrication pump for slideways and ballscrews
- Automatic spindle speed gear change
- Cutting fluid coolant system
- Full enclosed end guard
- Headstock/Gearbox oil cooler
- Chain type chip conveyor with cart
- Working light
- RS-232 port
- Leveling blocks
- Service tools & toolbox

Optional Equipments:

- FANUC 0i-TD control system
- SIEMENS 828D control system
- Manual type chuck
- Hydraulic hollow chuck
- DICKSON quick change toolpost
- Elec. 8-station turret (Front Mounting)
- Hydraulic tailstock
- Steady rest
- Follow rest
- Boring Bar Holder
- C-Axis with Live Turret
- Special functions by consult

SPECIFICATIONS

MODEL		3250 / 3280 / 32120 32160 / 32200 / 32240		4050 / 4080 / 40120 40160 / 40200 / 40240	
CAPACITY					
Swing over bed		800 mm		1000 mm	
Swing over cross slide		510 mm		710 mm	
Swing in gap		1100 mm		1300 mm	
Center height		400 mm		500 mm	
Distance between center		1200mm (50") / 2000mm (80") / 3000mm (120") 4000mm (160")/ 5000mm (200") / 6000mm (240")			
HEADSTOCK					
Spindle bore		155mm	250mm	305mm	380mm max 381mm
Spindle nose		A2-11	A2-15	A2-20	A2-20
Spindle range		4	4	4	4
Spindle speeds	1-range	9-34	4-14	4-14	4-14
	2-range	35-111	15-47	15-47	15-47
	3-range	112-414	48-177	48-177	48-177
	4-range	415-1400	178-600	178-600	178-600
BALLSCREW					
Z axis ball screw		Ø 63 x P10			
X axis ball screw		Ø 40 x P5			
CARRIAGE					
Cross slide width		300 mm			
Cross slide travel		550 mm			
BED					
Bed width		550 mm			
Z axis travel		1050/1820/2820/3820/4820/5820 mm			
TAILSTOCK					
Quill travel		275 mm			
Quill diameter		105 mm			
Quill taper		MT6			

• The above specifications subject to change without prior notice.

	5060 / 5080 / 50120 50160 / 50200 / 50240		6260 / 6280 / 62120 62160 / 62200 / 62240	
	1300 mm		1600 mm	
	900 mm		1200 mm	
	1800 mm		2000 mm	
	650 mm		800 mm	
	1500mm (60") / 2000mm (80") / 3000mm (120") 4000mm (160")/ 5000mm (200") / 6000mm (240")			
	155mm	250mm	305mm	380mm
	A2-11	A2-15	A2-20	A2-20
	4	4	4	4
	9-34	4-14	4-14	4-14
	35-111	15-47	15-47	15-47
	112-414	48-177	48-177	48-117
	415-1400	178-600	178-600	178-600
	Ø 80 x P5			
	Ø 40 x P5			
	385 mm			
	850 mm			
	850 mm			
	1320/1820/2820/3820/4820/5820 mm			
	300 mm			
	180 mm			
	MT7			

CONTROL SYSTEM

It offers three Control System for selection!

FAGOR 8055i/A-TC Control is with 11" Color LCD and offer with Icon Key base conversational programming and ISO G-Code programming.

FANUC 0i-TD Control with 10.4" Color LCD and software: Manual Guide i allow the user to generate part-programs ickly and efficiently.

SIEMENS 828D Control with 10.4" Color Display and software: Shopturn

ELECTRIC SPECIFICATION

CNC-1550/1850	FAGOR 8055i-A	FANUC 0i TD	Siemens 828D
X Axis Servo Motor	FKM22 (3.2Nm)	β is2(2m)	1FK7042 (3Nm)
Z Axis Servo Motor	FKM44 (11.6Nm)	β is8(7m)	1FK7062 (8.5Nm)
Main spindle motor	FS5-A075 (7.5/11Kw)	β i8 (7.5/11Kw)	1PH8105 (7Kw)
CNC-20" / 22"			
X Axis Servo Motor	FKM22 (3.2Nm)	β is2(2m)	1FK7042 (3Nm)
Z Axis Servo Motor	FKM44 (11.6Nm)	β is8(7m)	1FK7062 (8.5Nm)
Main spindle motor	FS5-A110 (11/15.5Kw)	β i12(11-15Kw)	1PH8107 (9Kw)
CNC-26" / 30" Series			
X Axis Servo Motor	FKM44 (11.6Nm)	β is12 (11Nm)	1FK7062 (11Nm)
Z Axis Servo Motor	FKM64 (16.5Nm)	β is22 (20Nm)	1FK7084 (20Nm)
Main spindle motor	FS5-A150 (15/24.5Kw)	β i15(15-18.5Kw)	1PH8133 (15Kw)
CNC-32" / 40" Series			
X Axis Servo Motor	FKM44 (11.6Nm)	β is12 (11Nm)	1FK7062 (11Nm)
Z Axis Servo Motor	FKM64 (16.5Nm)	β is22 (20Nm)	1FK7084 (20Nm)
Main spindle motor	FS5-A220 (22/33Kw)	α 22i (22/26Kw)	1PH8133 (23.7Kw)
CNC-50" / 62" Series			
X Axis Servo Motor	FKM44 (23.5Nm)	β is30 (27Nm)	1FK7101 (27Nm)
Z Axis Servo Motor	FKM64 (68Nm)	β is40 (36Nm)	1FK7103 (36Nm)
Main spindle motor	FS5-A220 (30/45Kw)	α 30i (30/37Kw)	1PH8137(30.6Kw))
CNC-26" / 30" Series with C-Axis Live Turret			
X Axis Servo Motor	FKM44 (11.6Nm)	β is12 (11Nm)	1FK7063 (11Nm)
Z Axis Servo Motor	FKM64 (20Nm)	β is22 (20Nm)	1FK7084 (20Nm)
Tool Axis Servo Motor	FM7-A037	α 3i	1FT7086
Main Spindle Motor	FM7-A150 (11/15Kw)	α 15i (15/18.5Kw)	1PH8133 (15Kw)
CNC-32" / 40" Series with C-Axis Live Turret			
X Axis Servo Motor	FKM44 (11.6Nm)	β is12 (11Nm)	1FK7063 (11Nm)
Z Axis Servo Motor	FKM64 (20Nm)	β is22 (20Nm)	1FK7084 (20Nm)
Tool Axis Servo Motor	FM7-A037	α 3i	1FT7086
Main Spindle Motor	FM7-A220 (22-33Kw)	α 22i (22/26Kw)	1PH8135 (23.7Kw)

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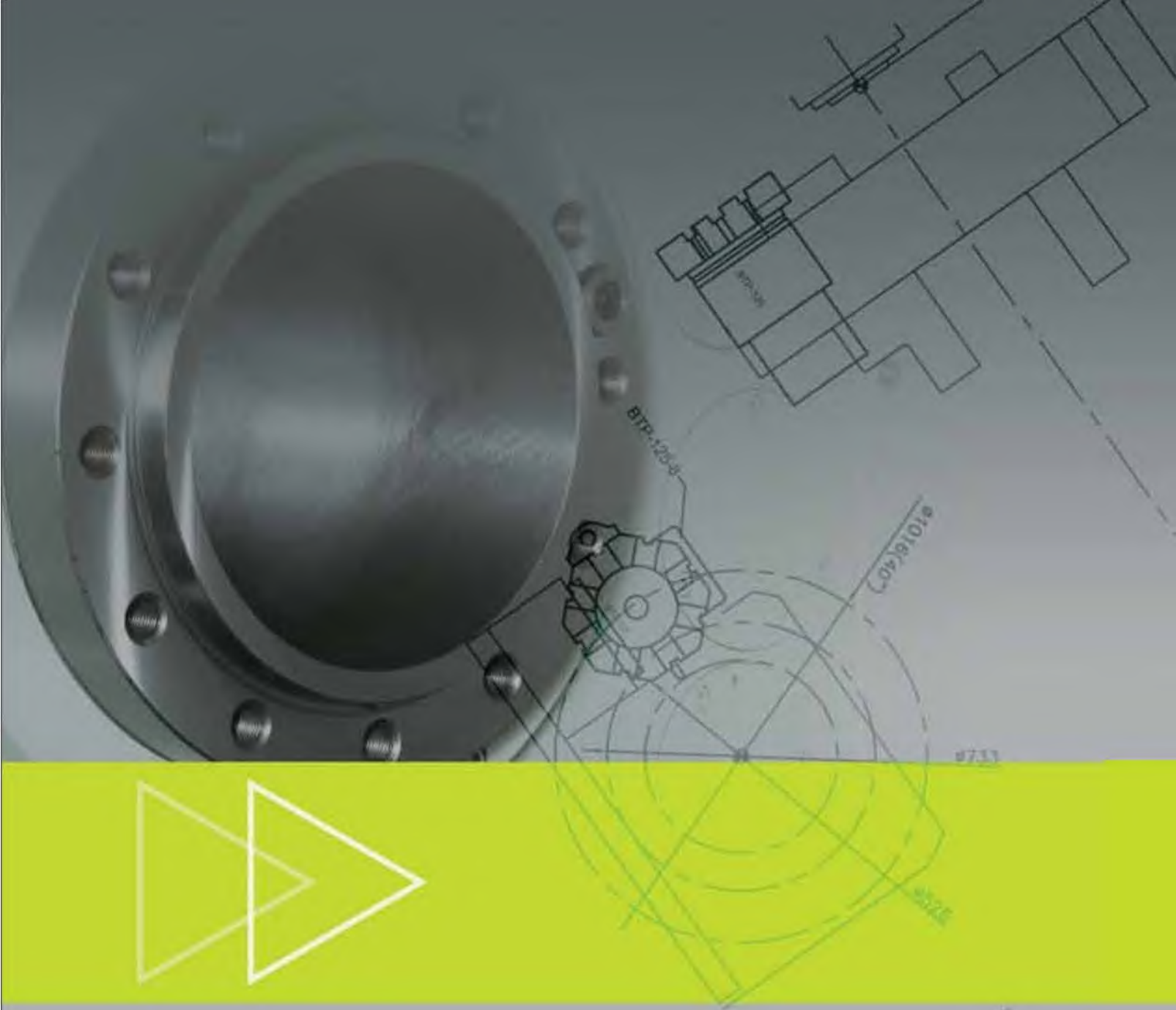

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