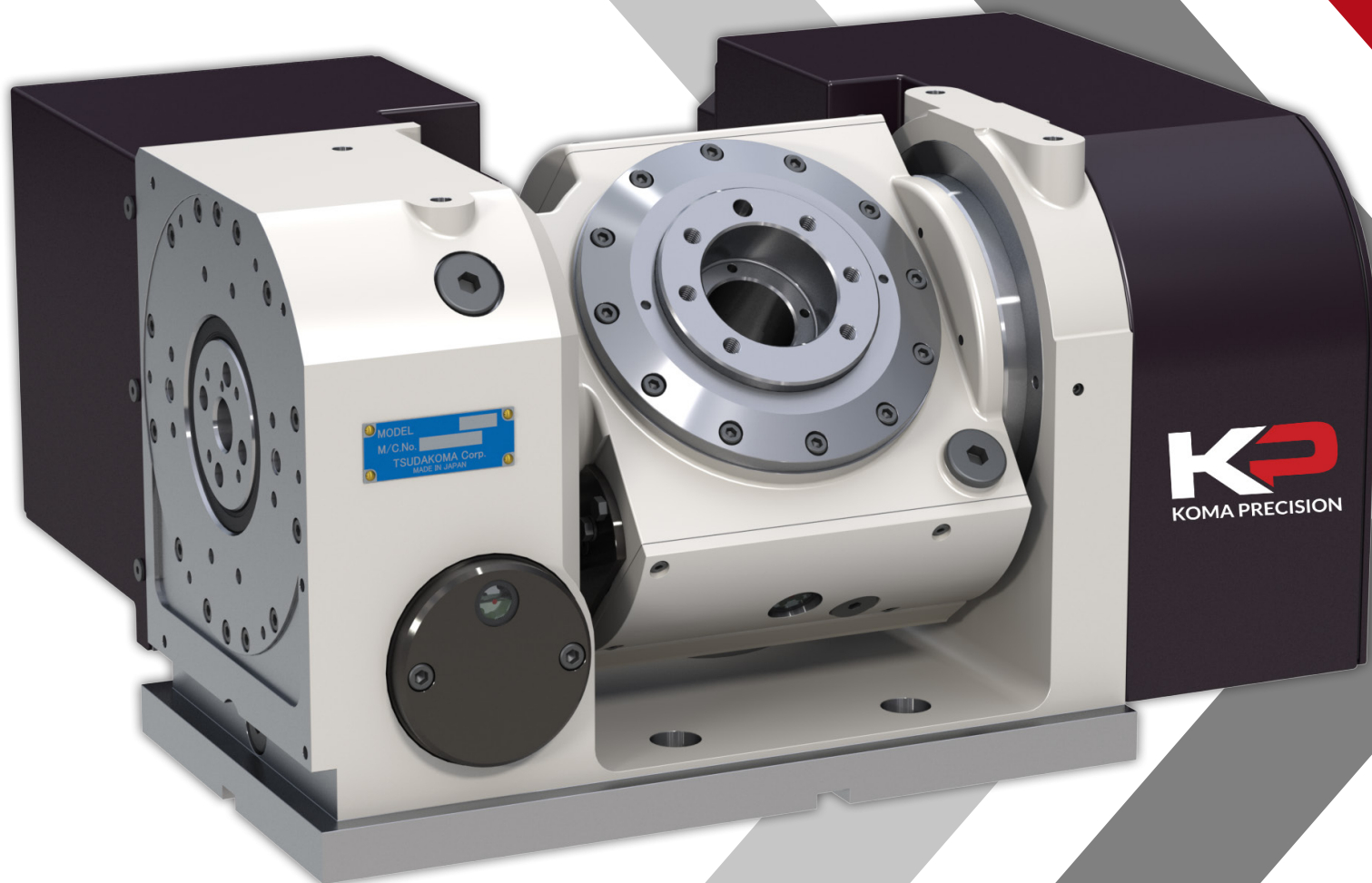




TSUDAKOMA

Rotary Table

Selection Guide

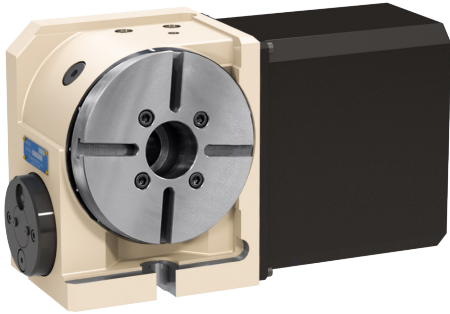
KOMA PRECISION

For over thirty-five years Koma Precision has been the foremost source for the finest the world has to offer in machine tool Productivity Innovation.

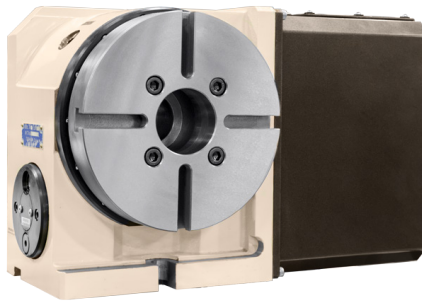
With over 30,000 rotary table installations, Koma is the largest distributor of Tsudakoma NC rotary tables and indexers in the world. With over 12,000 angle heads and live tools installed, Koma is the world's largest supplier for Alberti - the originator and the foremost innovator of productivity tooling.



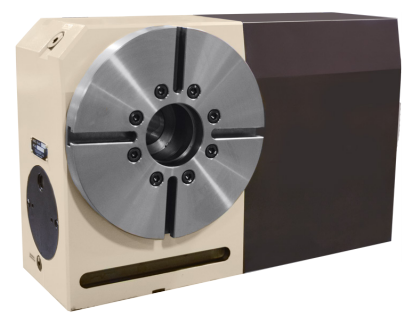
ROTARY TABLES



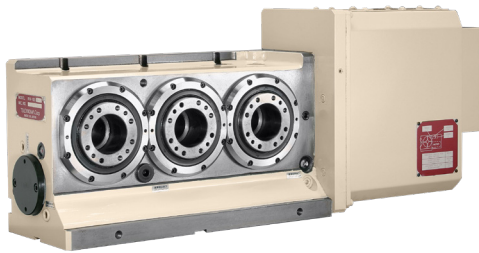
RWE SERIES



RWA SERIES



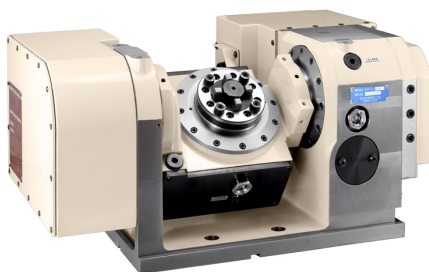
RBS SERIES



RN-100R MULTI SERIES



RWB SERIES



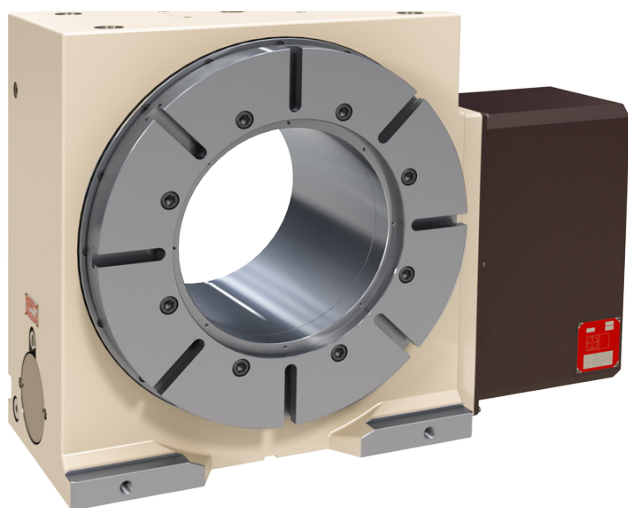
RTT-111, GA



TWA SERIES



TBS SERIES



RCB SERIES



RWB-K SERIES



RNCK SERIES

GENOS SERIES



GENOS M460-VE				
RWE SERIES	RWE-160, GA	RWE-200, GA		
RWA SERIES	RWA-160R, GA	RWA-200R, GA	RWA-250R, GA (HS)	
RBS SERIES	RBS-160, GA	RBS-250, GA		
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
TWA SERIES	TWA-130, GA	TWA-160, GA		
TBS SERIES	TBS-130, GA	TBS-160, GA		
5th AXIS TILTING	RTT-111, GA			
GENOS M560-V				
RWE SERIES	RWE-160, GA	RWE-200, GA		
RWA SERIES	RWA-160R, GA	RWA-200R, GA	RWA-250R, GA (HS)	RWA-320R, GA(HS)
RBS SERIES	RBS-160, GA	RBS-250, GA		
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
TWA SERIES	TWA-130, GA	TWA-160, GA	TWA-200, GA*	
TBS SERIES	TBS-130, GA	TBS-160, GA		
5th AXIS TILTING	RTT-111, GA			
GENOS M660-V				
RWA SERIES	RWA-250			
RBS SERIES	RBS-250, GA	RBS-320, GA		
RCB SERIES	RCB-350, GA	RCB-450, GA		
RWB SERIES	RWB-320, GA	RWB-400, GA		
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
TWA SERIES	TWA-160, GA	TWA-200, GA		

*COLUMN RISER RECOMMENDED



GENOS M460-VE



GENOS M560-V



GENOS M660-V

MB-46V				
RWE SERIES	RWE-160, GA	RWE-200, GA		
RWA SERIES	RWA-160R, GA	RWA-200R, GA	RWA-250R, GA (HS)	
RBS SERIES	RBS-160, GA	RBS-250, GA		
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
TWA SERIES	TWA-130, GA	TWA-160, GA		
TBS SERIES	TBS-130, GA	TBS-160, GA		
5th AXIS TILTING	RTT-111, GA			
MB-56V				
RWE SERIES	RWE-160, GA	RWE-200, GA		
RWA SERIES	RWA-160R, GA	RWA-200R, GA	RWA-250R, GA(HS)	RWA-320R, GA (HS)
RBS SERIES	RBS-160, GA	RBS-250, GA		
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
TWA SERIES	TWA-130, GA	TWA-160, GA	TWA-200, GA	TN-320, GA
TBS SERIES	TBS-130, GA	TBS-160, GA		
5th AXIS TILTING	RTT-111, GA			
MB-66V				
RWA SERIES	RWA-250			
RBS SERIES	RBS-250, GA	RBS-320, GA		
RCB SERIES	RCB-350, GA	RCB-450, GA		
RWB SERIES	RWB-320, GA	RWB-400, GA		
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
TWA SERIES	TWA-200, GA	TN-320, GA		



MB-56V



MB-66V

MF & MA SERIES



MF-46V				
RWE SERIES	RWE-160, GA	RWE-200, GA		
RWA SERIES	RWA-160R, GA	RWA-200R, GA	RWA-250R, GA (HS)	
RBS SERIES	RBS-160, GA	RBS-250, GA		
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
TWA SERIES	TWA-130, GA	TWA-160, GA		
TBS SERIES	TBS-130, GA	TBS-160, GA		
5th AXIS TILTING	RTT-111, GA			
MA-550V				
RWE SERIES	RWE-160, GA	RWE-200, GA		
RWA SERIES	RWA-160R, GA	RWA-200R, GA	RWA-250R, GA (HS)	RWA-320R, GA (HS)
RBS SERIES	RBS-160, GA	RBS-250, GA	RBS-320, GA	
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
RWB SERIES	RWB-250R, GA	RWB-250R, GA HS	RWB-320R, GA	RWB-320R, GA HS
TWA SERIES	TWA-130, GA	TWA-160, GA	TWA-200, GA	
TWA SERIES	TWA-130, GA	TWA-160, GA		
5th AXIS TILTING	RTT-111, GA			
MA-650V				
RWE SERIES	RWE-160, GA	RWE-200, GA		
RWA SERIES	RWA-160R, GA	RWA-200R, GA	RWA-250R, GA (HS)	RWA-320R, GA (HS)
RBS SERIES	RBS-160, GA	RBS-250, GA	RBS-320, GA	
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
RWB SERIES	RWB-250R, GA (HS)	RWB-320R, GA(HS)	RWB-400R, GA	
TWA SERIES	TWA-130, GA	TWA-160, GA	TWA-200, GA	TN-320, GA
TBS SERIES	TBS-130, GA	TBS-160, GA		
5th AXIS TILTING	RTT-111, GA			



MF-46V



MA-650V



MILLAC SERIES

MILLIAC 44V II				
RWE SERIES	RWE-160, GA	RWE-200, GA		
RWA SERIES	RWA-160R, GA	RWA-200R, GA		
RBS SERIES	RBS-160, GA	RBS-250, GA		
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA		
TWA SERIES	TWA-130, GA	TWA-160, GA		
TBS SERIES	TBS-130, GA	TBS-160, GA		
5th AXIS TILTING	RTT-111, GA			
MILLAC 561V II				
RWE SERIES	RWE-200, GA			
RWA SERIES	RWA-200R, GA	RWA-250R, GA (HS)		
RBS SERIES	RBS-250, GA	RBS-320, GA		
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA		
RWB SERIES	RWB-250R, GA (HS)	RWB-320R, GA (HS)		
TWA SERIES	TWA-200, GA	TN-320, GA		
MILLAC 761V II				
RWE SERIES	RWE-200, GA			
RWA SERIES	RWA-200R, GA	RWA-250R, GA (HS)	RWA-320R, GA	
RBS SERIES	RBS-250, GA	RBS-320, GA		
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
RWB SERIES	RWB-250R, GA (HS)	RWB-320R, GA (HS)	RWB-400R, GA	
TWA SERIES	TWA-200, GA	TN-320, GA		
MILLAC 852V II				
RWA SERIES	RWA-250R, GA (HS)	RWA-320R, GA(HS)		
RBS SERIES	RBS-250, GA	RBS-320, GA		
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
RWB SERIES	RWB-250R, GA	RWB-250R, GA HS	RWB-320R, GA	RWB-320R, GA HS
TWA SERIES	TWA-200, GA	TN-320, GA		
MILLAC 1052V II				
RWA SERIES	RWA-320R, GA (HS)			
RBS SERIES	RBS-320, GA			
RN MULTI SERIES	RN-100R-2, GA	RN-100R-3, GA	RN-100R-4, GA	
RWB SERIES	RWB-320R, GA (HS)	RWB-400R, GA	RWB-500R, GA	
TWA SERIES	TWA-200, GA	TN-320, GA		

MA-H SERIES



MA-500HII				
RWB-K SERIES	RWB-250K, GA RWB-250K, GA HS	RWB-320K, GA RWB-320K, GA HS	RWB-400K, GA	
MA-600HII				
RWB-K SERIES	RWB-250K, GA RWB-250K, GA HS	RWB-320K, GA RWB-320K, GA HS	RWB-400K, GA	RWB-500K, GA
MA-12500H				
PLEASE CALL				

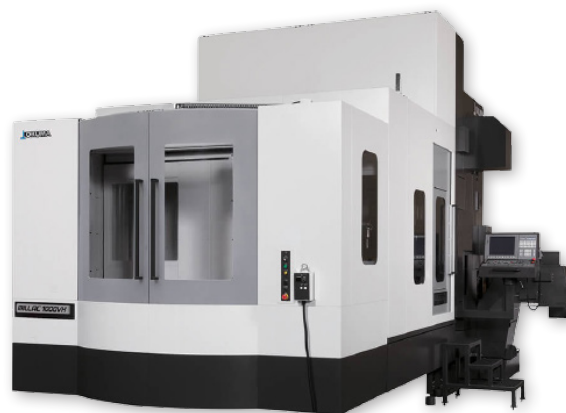


MA-600HII

MB-4000H				
RWB-K SERIES	RWB-250K, GA RWB-250K, GA HS	RWB-320K, GA RWB-320K, GA HS		
MB-5000H				
RWB-K SERIES	RWB-250K, GA RWB-250K, GA HS	RWB-320K, GA RWB-320K, GA HS	RWB-400K, GA	
MB-8000H				
RNCK SERIES	RNCK-631, GA			
MA-12500H				
PLEASE CALL				
MILLAC 800VH				
RWB-K SERIES	RWB-250K, GA			
RNCK SERIES	RNCK-631, GA			
MILLAC 1000VH				
RNCK SERIES	RNCK-631, GA			
RCV-K SERIES	RCV-800K, GA			



MB-4000H



Millac 1000VH

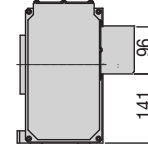
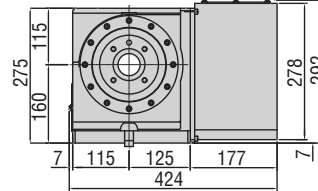
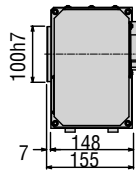
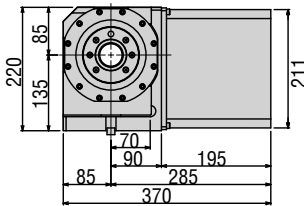
ROTARY TABLE DIMENSIONS



RWE, RWA & RN-Multi Series

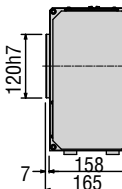
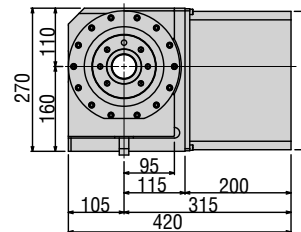
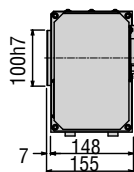
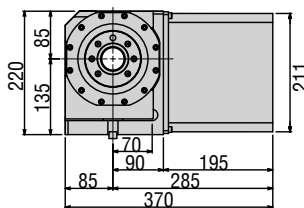
(Drawings Not To Scale)

RWE-160R, GA



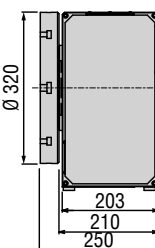
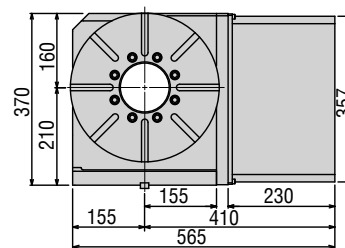
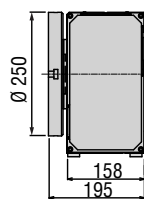
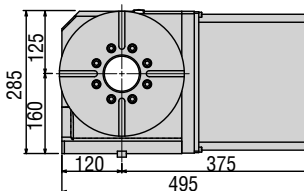
RWE-200R, GA

RWA-160R, GA

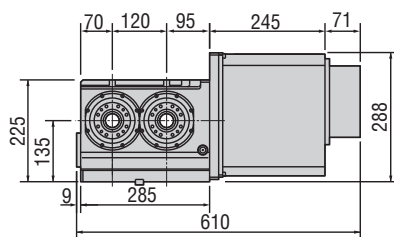


RWA-200R, GA

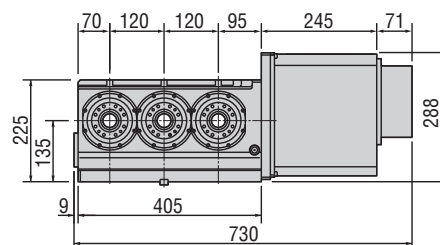
RWA-250R, GA



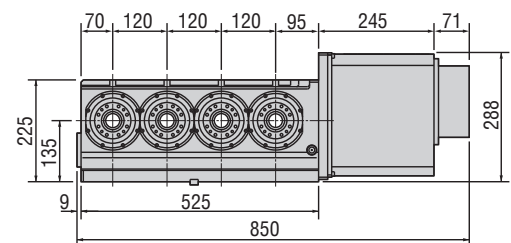
RWA-320R, GA



RN-100R-2, GA



RN-100R-3, GA



RN-100R-4, GA

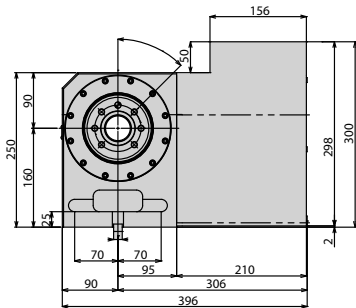
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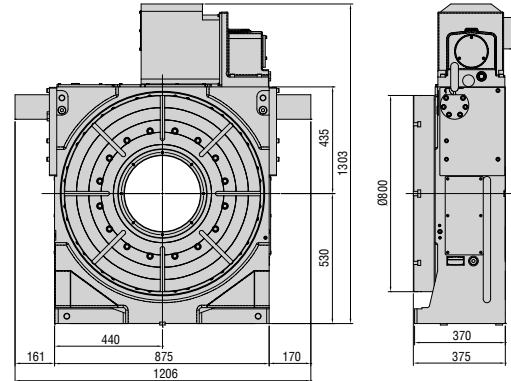
RBS, RCV, RNCK & RTT-Series ROTARY TABLES

(Drawings Not To Scale)

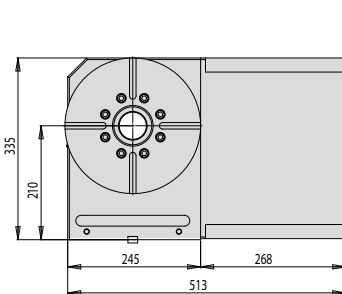
RBS-160, GA



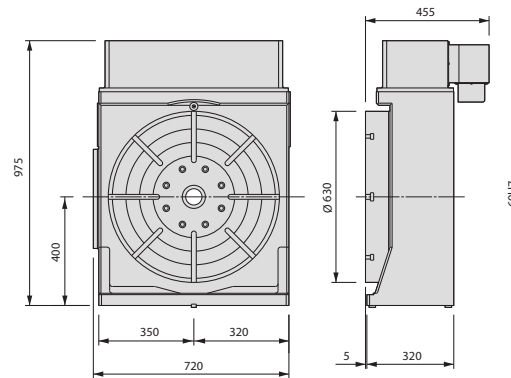
RCV-800K, GA



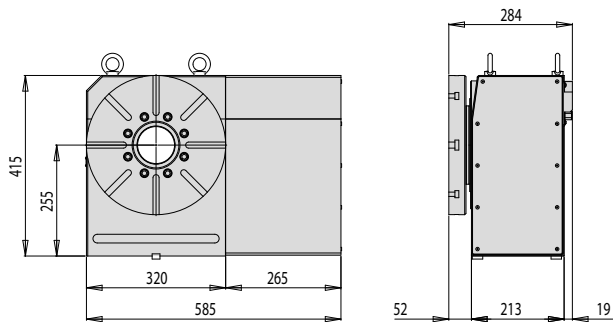
RBS-250, GA



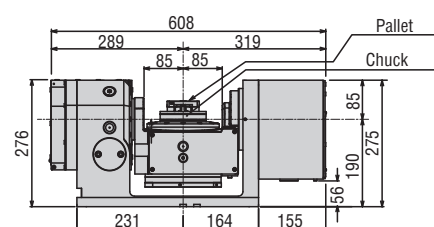
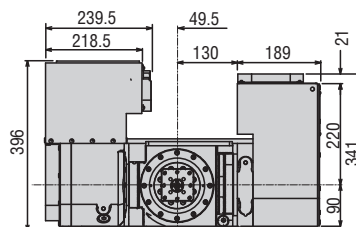
RNCK-631, GA



RBS-320, GA



RTT-111, GA



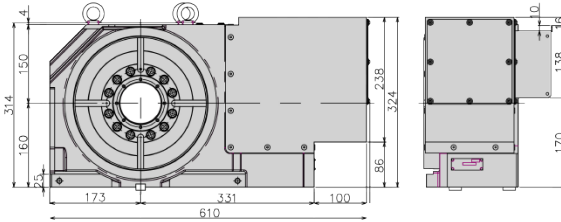
ROTARY TABLE DIMENSIONS



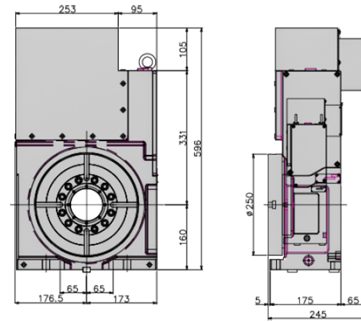
RWB & RWB,K-Series ROTARY TABLES

(Drawings Not To Scale)

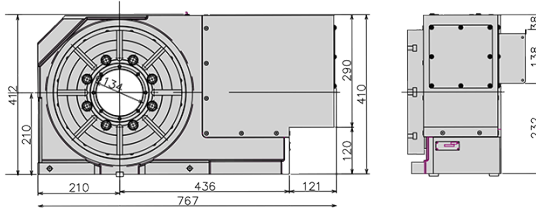
RWB-250R, GA



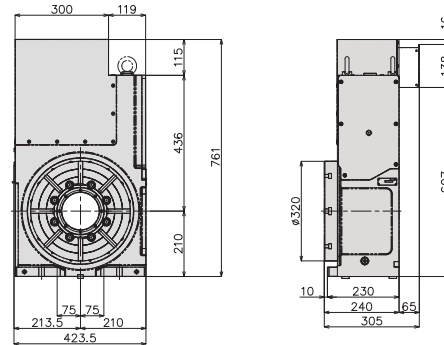
RWB-250K, GA



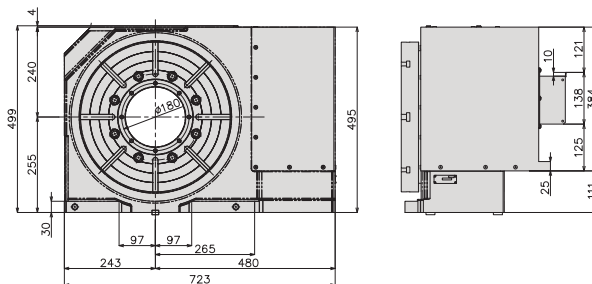
RWB-320R, GA



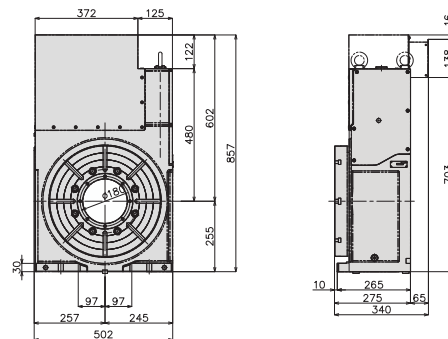
RWB-320K, GA



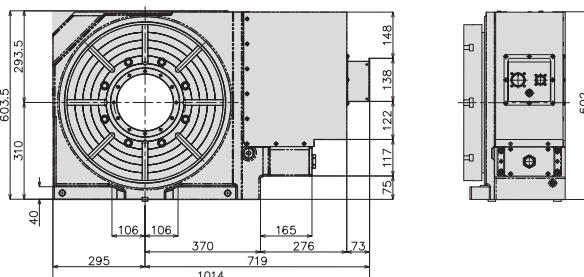
RWB-400R, GA



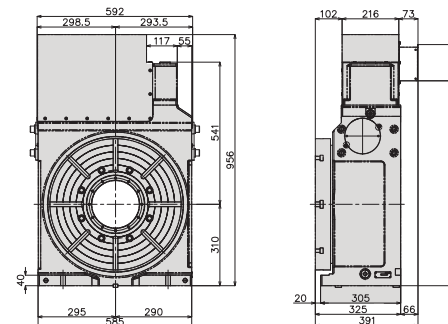
RWB-400K, GA



RWB-500R, GA



RWB-500K, GA



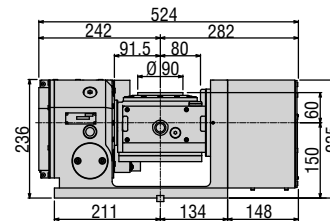
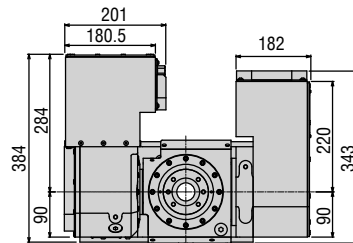
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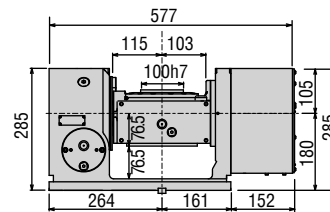
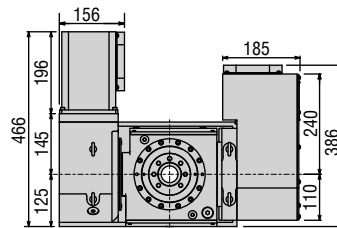
TWA, TN & TBS-Series ROTARY TABLES

(Drawings Not To Scale)

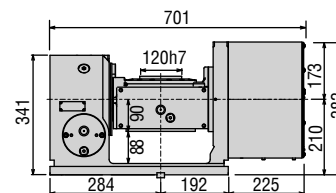
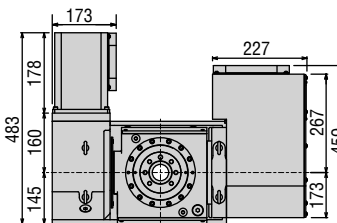
TWA-130, GA



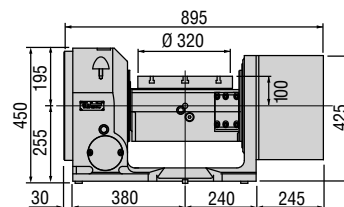
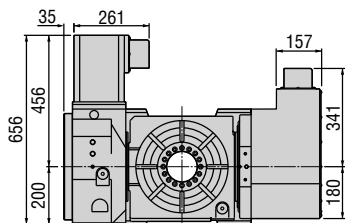
TWA-160, GA



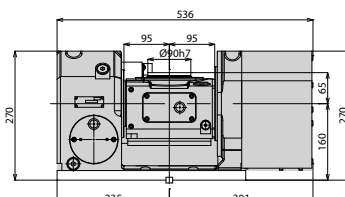
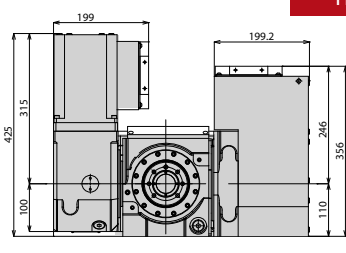
TWA-200, GA



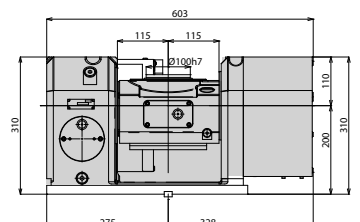
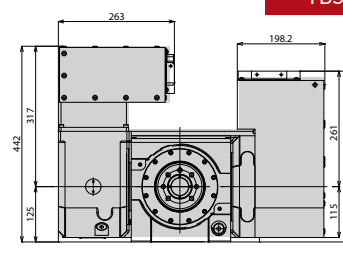
TN-320, GA



TBS-130, GA



TBS-160, GA



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ROTARY TABLE SPECIFICATIONS



RN-Multi/RWE/RBS-Series Rotary Tables

Table Model		RN-100-2,3,4			RWE-160, GA	RWE-200, GA	RBS-160, GA	RBS-250, GA	RBS-320, GA
Versions available		R, L			R, L	R, L	R	R	R
Spindle outer diameter		80h7			100h7	120h7	100h7	140h7	180h7
Table diameter (optional)		(115)			(160, 200)	(200, 250)	(160, 200)	250	320
Center height		135			135	160	160	210	255
Center bore	Nose Diameter	50H7			55H7	65H7	55H7	80H7	115H7
	Thru Diameter	30			40	45	40	50	85
Table T-slot width (with face plate)		-			(12H8)	(12H8)	12H8	12H8	14H8
Minimum spindle center distance		120			-	-	-	-	-
Guide block width		18h7			14h7	18h7	14h7	18h7	18h7
Servo motor (Okuma)*		BL-MC50M-30T			BL-ME24M-50SN	BL-ME40M-40TN	BL-ME40M-40TN	BL-ME80M-40TN	BL-ME150M-30SN
Maximum motor speed	rpm	2,500			5,000	4,000	4,000	4,000	3,000
Speed reduction ratio		1/36			1/72	1/72	1/36	1/36	1/36
Number of spindles		2	3	4	-	-	-	-	-
Maximum table speed	rpm	69.4			69.4	55	111	111	83
Inertia converted into motor shaft	$\times 10^{-3}\text{kg}\cdot\text{m}^2$	.64	.92	1.06	.09	.17	0.19	0.42	2.24
Clamp system		Pneumatic			Pneumatic Disc Clamp		Pneumatic		
Clamp torque @72psi	Nm (ft. lbs.)	80 (59)			250 (180)	400 (295)	700 (516)	1480 (1076)	2580 (1901)
Indexing accuracy	arc sec.	± 30			± 12.5	± 10	± 7.5	± 7.5	± 7.5
Net Weight	kg (lbs.)	70-110(154-242)			40 (88)	61 (135)	55 (121.2)	100 (220)	200 (440)
Allowable wheel torque	Nm (ft. lbs.)	176 (130)			206 (152)	288 (212)	700 (516)	1480 (1076)	2580 (1901)
Allowable work inertia	$\text{kg}\cdot\text{m}^2$	.10			.64	1.25	0.48	1.95	4.48
Allowable work weight	 kg (lbs) [w/ tailstock]	25 (55) [50 (110)]			100 (220) [200 (441)]	125 (275) [250 (551)]	100 (200) [200 (440)]	125 (275) [250 (550)]	175 (385) [350 (770)]
	 kg (lbs)	50 (110)			-	-	200 (440)	250 (550)	350 (770)
Allowable load when table clamped	 N (lbf)	5,880 (1,317)			10,800 (2,419)	14,400 (3,226)	10,800 (2,419)	14,400 (3,226)	24,800 (5,555)
	 Nm (ft. lbs.)	80 (59)			500 (369)	800 (590)	500 (369)	1,000 (737)	1,500 (1,106)
	 Nm (ft. lbs.)	156 (115)			780 (575)	1,900 (1,400)	780 (575)	1,900 (1,400)	4,700 (3,464)

Dimensions = mm

Specifications subject to change without notice

RWA-Series Rotary Tables

Table Model		RWA-160, GA	RWA-200, GA	RWA-250, GA (\$)	RWA-320, GA (\$)
Versions available		R, L	R, L	R, L	R, L
Spindle outer diameter	mm	100h7	120h7	140h7	180h7
Table diameter	mm	(160, 200)	(200, 250)	250	320
Center height	mm	135	160	160	210
Center bore	Nose Diameter	mm	55H7	65H7	80H7
	Thru Diameter	mm	40	45	50
Table T-slot width		(12H8)	(12H8)	12H8	14H7
Guide block width		14h7	18h7	18h7	18h7
Servo motor (Okuma)*		BL-ME24M-50SN	BL-ME40M-40TN	BL-ME80M-40TN	BL-ME80J-40TN
Maximum motor speed	rpm	5,000	4,000	4,000	4,000 (4,000)
Speed reduction ratio		1/72	1/72	1/90 (1/45)	1/120 (1/45)
Maximum table speed	rpm	69.4	55.6	44.4 (88.9)	33.3 (88.9)
Inertia converted into motor shaft	$\times 10^{-3} \text{kg}\cdot\text{m}^2$	.09	.17	.41 (.44)	.52 (1.66)
Clamp system**		Pneumatic Dual Taper			
Clamp torque @500psi	Nm (ft. lbs.)	500 (369)	800 (590)	1,000 (737)	1,500 (1,106)
Indexing accuracy	arc sec.	± 12.5	± 10	± 10	± 10
Net Weight	kg (lbs.)	38 (84)	61 (134)	80 (176)	145 (319)
Holding torque @72psi	Nm (ft. lbs.)	206 (152)	288 (212)	596 (439)	939 (692)
Allowable work inertia	$\text{kg}\cdot\text{m}^2$	.64	1.25	1.95	4.48
Allowable work weight	 kg (lbs) [w/ tailstock]	100 (220) [175 (385)]	125 (275) [250 (550)]	125 (275) [250 (550)]	175 (385) [375 (825)]
	 kg (lbs)	200 (440)	250 (550)	250 (550)	350 (770)
Allowable load when table clamped	 N (lbf)	10,800 (2,419)	14,400 (3,226)	14,400 (3,226)	24,800 (5,555)
	 Nm (ft. lbs.)	500 (369)	800 (590)	1,000 (737)	1,500 (1,106)
	 Nm (ft. lbs.)	780 (575)	1,900 (1,400)	1,900 (1,400)	4,700 (3,464)

Dimensions = mm

Specifications subject to change without notice

ROTARY TABLE SPECIFICATIONS



RWB-Series Rotary Tables

Table Model		RWB-250, GA	RWB-250, GA HS	RWB-320, GA	RWB-320, GA HS	RWB-400, GA	RWB-500, GA
Versions available		R, L	R, L	R, L	R, L	R, L	R, L
Table diameter		250	250	320	320	400	500
Center height		160	160	210	210	255	310
Center bore	Nose Diameter	105	105	150	150	200	220
	Thru Diameter	80	80	120	120	160	182
Table T-slot width (with face plate)		12H7	12H7	14H7	14H7	14H7	18h7
Guide block width		18h7					
Servo motor (Okuma)		BL-ME80M-40TN	BL-ME80M-40TN	BL-ME150M-30SN	BL-ME150M-30SN	BL-ME150M-30SN	BL-ME150M-30SN
Maximum motor speed	rpm	4,000	4,000	3,000	3,000	3,000	3,000
Speed reduction ratio		1/90	1/45	1/120	1/45	1/90	1/180
Maximum table speed	rpm	44.4	88.9	25	66	33	16.6
Inertia converted into motor shaft	$\times 10^{-3} \text{kg}\cdot\text{m}^2$	1.27	1.27	3.53	3.47	4.63	3.00
Clamp system**		Air / Hydraulic					
Clamp torque	Nm (ft. lbs.)	1,300 (2,000)	1,300 (2,000)	3,100 (2,284)	3,100 (2,284)	5,500 (4,053)	7,600 (5,601)
Indexing accuracy	arc sec.	± 7					
Net Weight	kg (lbs.)	125 (286)	125 (286)	250 (550)	250 (550)	360 (792)	620 (1,364)
Allowable wheel torque	Nm (ft. lbs.)	1,011 (745)	1,011 (745)	2,127 (1,567)	2,127 (1,567)	3,958 (2,917)	3,276 (2,414)
Allowable work inertia	$\text{kg}\cdot\text{m}^2$	7.0	7.0	19.2	19.2	36	112
Allowable work weight	 kg (lbs) [w tailstock]	175 (385) [350 (770)]	175 (385) [350 (770)]	250 (550) [500 (1,100)]	250 (550) [500 (1,100)]	300 (660) [600 (1,320)]	600 (1,320) [1,200 (2,640)]
	 with SSB	900 (1,980)	900 (1,980)	1,500 (3,300)	1,500 (3,300)	1,900 (3,960)	3,600 (7,920)
	 kg (lbs)	350 (770)	350 (770)	500 (1,100)	500 (1,100)	600 (1,320)	1,200 (2,640)
Allowable load when table clamped	 N (lbf)	35,000 (7,700)	35,000 (7,700)	89,000 (19,580)	89,000 (19,580)	109,000 (23,980)	240,000 (52,800)
	 Nm (ft. lbs.)	1,300 (958)	1,300 (958)	3,100 (2,284)	3,100 (2,284)	5,500 (4,053)	7,600 (5,601)
	 Nm (ft. lbs.)	1,500 (1,105)	1,500 (1,105)	5,300 (3,906)	5,300 (3,906)	7,800 (5,748)	17,000 (12,529)

Dimensions = mm

Specifications subject to change without notice

RNCK / RCV / RWB-K-Series Rotary Tables

Table Model			RNCK-631, GA	RCV-800K, GA	RWB-250K,GA	RWB-250K, GA HS	RWB-320K, GA	RWB-320K, GA HS	RWB-400K, GA	RWB-500K, GA
Versions available			-	-	K	K	K	K	K	K
Table diameter			630	800 (1,000)	250	250	320	320	400	500
Center height			400	530	160	160	210	210	255	310
Center bore	Nose Diameter		60H6	360H7 x 45	105	105	150	150	200	220H7
	Thru Diameter		60	310	80	80	120	120	160	182
Table T-slot width			18H7		12H7	12H7	14H7	14H7	14H7	18H7
Guide block width			18h7	22h7	18h7					
Servo motor (Okuma)			BL-MC150M-20S	BL-ME150M-30S	BL-ME80M-40TN	BL-ME80M-40TN	BL-ME150M-30SN	BL-ME150M-30SN	BL-ME150M-30SN	BL-ME150M-30SN
Maximum motor speed	rpm		2,000	3,000	4,000	4,000	3,000	3,000	3,000	3,000
Speed reduction ratio			1/180	1/360	1/90	1/45	1/120	1/45	1/90	1/180
Maximum table speed	rpm		11.1	8.33	44.4	88.9	25	66	33.3	16.6
Inertia converted into motor shaft	$\times 10^{-3} \text{kg} \cdot \text{m}^2$		5.55	4.89	1.27	1.27	3.53	3.53	4.63	3.00
Clamp system**			Hydraulic							
Clamp torque	Nm (ft. lbs.)		4,410 (3,250)	7,000 (5,159)	1,300 (958)	1,300 (958)	3,100 (2,284)	3,100 (2,284)	5,500 (4,053)	7,600 (5,601)
Indexing accuracy	arc sec.		± 7.5			± 7				
Net Weight	kg (lbs.)		800 (1,760)	1,450 (3,190)	125 (286)	125 (286)	250 (550)	250 (550)	360 (792)	620 (1,364)
Allowable wheel torque	Nm (ft. lbs.)		4,116 (3,033)	7,840 (5,778)	1,011 (745)	1,011 (745)	2,127 (1,567)	2,127 (1,567)	3,958 (2,917)	3,276 (2,414)
Allowable work inertia	kg·m ²		39.7	120	7.0	7.0	19.2	19.2	36	112
Allowable work weight		kg (lbs) [with tailstock]	400 (880) [800 (1,760)]	2,000 (4,400) [4,000 (8,800)]	175 (385) [250 (550)]	175 (385) [250 (550)]	250 (550) [500 (1,100)]	250 (550) [500 (1,100)]	300 (660) [600 (1,320)]	600 (1,320) [1,200 (2,640)]
		with SSB	-	-	900 (1,980)	900 (1,980)	1,500 (3,300)	1,500 (3,300)	1,900 (3,960)	3,600 (7,920)
		kg (lbs)	-	4,000 (8,800)	-	-	-	-	-	-
Allowable load when table clamped		N (lbf)	49,000 (10,976)	100,000 (22,400)	35,000 (7,700)	35,000 (7,700)	89,000 (19,580)	89,000 (19,580)	109,000 (23,980)	240,000 (52,800)
		Nm (ft. lbs.)	4,410 (3,250)	7,000 (5,159)	1,300 (958)	1,300 (958)	3,100 (2,284)	3,100 (2,284)	5,500 (4,053)	7,600 (5,601)
		Nm (ft. lbs.)	7,840 (5,778)	11,600 (8,550)	1,500 (1,105)	1,500 (1,105)	5,300 (3,906)	5,300 (3,906)	7,800 (5,748)	17,000 (12,529)

Dimensions = mm

Specifications subject to change without notice

ROTARY TABLE SPECIFICATIONS



TWA/TBS-Series & RTT-111, DA/GA Rotary Tables

Table Model			TWA-130, GA		TWA-160, GA		TWA-200, GA		TN-320, GA		TBS-130, GA		TBS-160, GA		RTT-111, GA			
Tilt Range			-17° ~ +107°		-30° ~ +110°		-30° ~ +110°		-30° ~ +110°		-30° ~ +110°		-30° ~ +110°		-17° ~ +107°			
Spindle outer diameter			90h7		100h7		120h7		-		90h7		100h7					
Table diameter (optional)			(135)		160 (200)		200 (250)		320		(135)		(160 or 200)					
Table height at 0° position			210 (235 w/face plate)		235 (260 w/face plate)		270 (300 w/face plate)		355		225 (250 w/faceplate)		270 (300 w/faceplate)		190			
Center height at 90° position			150		180		210		255		160		200		190			
Center bore	Nose Diameter (w/ face plate)		55H7 (40H7)		55H7 (50H7)		65H7 (60H7)		105H7		55H7 (40H7)		55H7 (50H7)		--			
	Thru Diameter		35		40		45		100		40		40		--			
Table T-slot width			12H8 (w/face plate)		12H8 (w/face plate)		12H8 (w/face plate)		14H7		12H8		12H8		--			
Guide block width			14h7		18h7		18h7		18h7		14h7		18h7		14H7			
Servo motor (Okuma)			(2) BL-ME24M-50SN		(2) BL-ME24M-50SN		(2) BL-ME40M-40TN		(2) BL-MC50M-30T		(2) BL-ME24M-50SN		(2) BL-ME24M-50SN		(2) BL-ME24M-50SN			
Maximum motor speed			Rotary		Tilt		Rotary		Tilt		Rotary		Tilt		Rotary		Tilt	
			rpm		5,000		5,000		5,000		5,000		5,000		5,000		5,000	
Speed reduction ratio			1/60		1/120		1/72		1/120		1/45		1/90		1/120		1/120	
Maximum table speed		rpm	83.3		41.6		69.4		41.6		88.9		44.4		25		12.5	
Inertia converted into motor shaft		x 10 ⁻³ kg·m ²	.074		.072		.17		.18		.38		.45		.82		.45	
Clamp system			Pneumatic Dual Taper		Pneumatic Double Piston**				Pneudraulic (air/oil booster)		Pneumatic				Pneumatic Dual Taper			
Clamp torque @72psi [500psi]		Nm (ft. lbs.)	500 (369)		500 (369)		500** (369)		800** (590)		800** (590)		1000** (737)		[2,200] [(1,621)]		[2,200] [(1,621)]	
Indexing accuracy		arc sec.	±20		-		±15		-		±15		-		±10		-	
Tilting accuracy		arc sec.	-		±22.5		-		±22.5		-		±22.5		±10		-	
Net Weight		kg (lbs.)	76 (167)		127 (279)		190 (418)		440 (968)		125 (276)		160 (353)		98(216)			
Allowable wheel torque - rotary		Nm (ft. lbs.)	152 (112)		200 (147)		450 (332)		931 (686)		-		-		152(112)			
Allowable work inertia		kg·m ²	.08		.19		.59		1.53		.08		.19		.08			
Allowable work weight	0° tilt angle 		kg (lbs)		35 (77)		60 (132)		120 (264)		150 (330)		35 (77)		60 (132)		35 (77)	
	0° ~ 90° tilt angle 		kg (lbs)		20 (44)		40 (88)		70 (154)		100 (220)		20 (44)		40 (88)		20 (44)	
Allowable work moment			Nm (ft. lbs.)		24 (17.7)		39.2 (28.9)		53.7 (39.6)		163.3 (120.4)		61.1		59.6		57 (42)	
Allowable load when table clamped			N (lbf)		3,920 (878)		7,840 (1,756)		13,720 (3,073)		19,600 (4,390)		3,920 (878)		10,800		3,920 (878)	
			Nm (ft. lbs.)		500 (369)		500** (369)		800** (590)		2,200 (1,621)		700 (516)		700 (516)		500 (369)	
			Nm (ft. lbs.)		500 (369)		800** (490)		1000** (737)		2,200 (1,621)		700 (516)		700 (516)		500 (369)	

Dimensions = mm

Specifications subject to change without notice



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