

High quality and competitive
NC machinery device



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detron

Precise NC Rotary Table

PRODUCT LINE



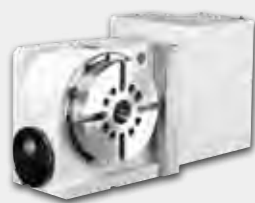
MAGNIFY THE VALUE OF MACHINERY

www.detrone.com.tw

www.ses3000.com

MAR 2016, EN

GX-P series
CNC Rotary Table
Page 21



- GX-125P/PL
- GX-170P/PL/S/H
- GX-210P/PL/S/H
- GX-250P/PL/S/H

GV-B series
CNC Rotary Table
Page 23



- GV-170SB
- GV-210SB
- GV-255HB

GX-H series
CNC Rotary Table
Page 25-28



- GX-255H/HL
- GX-320H
- GX-400H
- GX-500H
- GX-630H
- GX-800H

CX-H series
CNC Index Table
(3-pcs hirth coupling)
Page 29



- CX-255H
- CX-320H
- CX-400H
- CX-500H

GF-P series
CNC Tilting Rotary Table
Page 35



- GF-101S
- GF-125P
- GF-170P/H
- GF-211P/PB/H

GF-H series
CNC Tilting Rotary Table
Page 37



- GF-256H/HB
- GF-320H
- Optional big spindle bore available

GTF series
CNC Trunnion Tilting RotaryTable
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- GTF-212S
- GTF-320H
- GTF-410HB
- GTF-500HB



VERTICAL Machining Center Series

DV/DX series
DDM Rotary Table
Page 31



- DV-170P
- DV-255P II
- DX-320H

SR series
Rotary Tailstock
Page 34



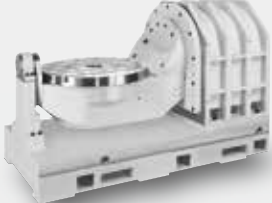
- SR-125P
- SR-170P/H
- SR-210P/H
- SR-255H
- SR-320H
- SR-400H

ST-T series
Quill Tailstock
Page 33



- ST-125T/TP
- ST-170T/TP/TH
- ST-210T/TP/TH
- ST-255T/TH
- ST-320T/TH
- ST-400T/TH

DF series
DDM Tilting Rotary Table
Page 41



- DF-321H
- DF-400H
- DF-500H

CVR series
Automatic Pallet Change System
(For C-frame machining center)
Page 43



- CVR-600
- CVR-850
- CVR-10D

SVC series
Automatic Pallet Change System
For full column movable machining center
Roller gear cam driving
Page 44



- SVC-700
- SVC-10D
- SVC-12D
- SVC-7050 II
- SVC-10065 II

CNC Trunnion Tilting Rotary Table
(Built-in air-booster)



DDM Tilting Rotary Table



DDM Rotary Table



DDM Rotary Table



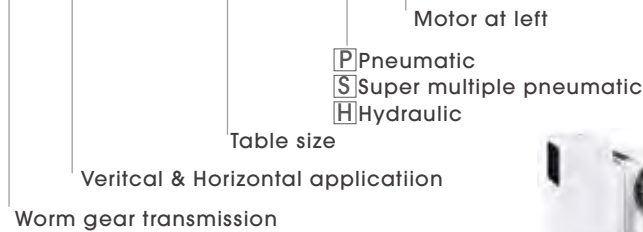
CNC Horizontal Rotary Table



CNC Rotary Table
(Pneumatic Brake)

GX-125P/PL	GX-170P/PL/S/H
GX-210P/PL/S/H	GX-250P/PL/S/H

G X - 1 7 0 P (L)



- Worktable diameter Ø125, Ø170, Ø210 and Ø255.
- Heavy-duty precision cross roller bearings.
- Motor is mounted at right side(vertical and horizontal applications).
- Full gear depth transmitted by dual lead worm drive, resulting in higher efficiency and lower backlash.



Left-hand Type



Equipped with high precision cross roller bearings.

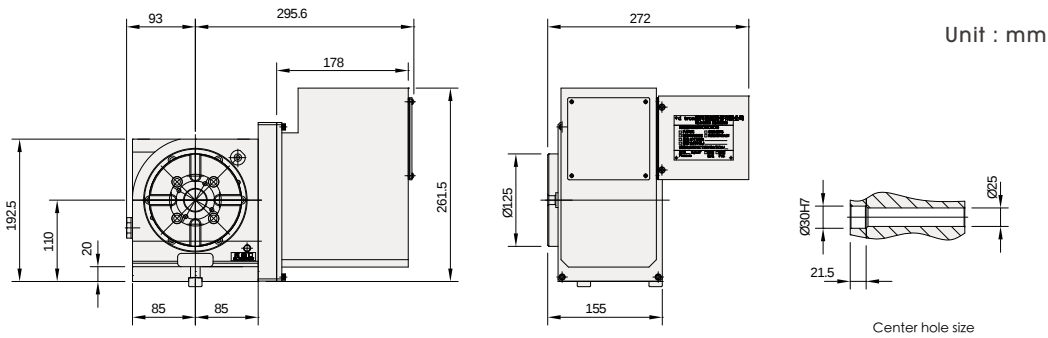
SPECIFICATIONS

MODEL	Unit	GX-125P/PL	GX-170P/PL	GX-210P/PL	GX-250P/PL
Worktable diameter	mm / inch	Ø125 / Ø4.92	Ø170 / Ø6.69	Ø210 / Ø8.27	Ø255
Center bore diameter	mm / inch	Ø30H7 / Ø1.18H7	Ø40H7 / Ø1.57H7	Ø40H7 / Ø1.57H7	Ø40H7
Through-bore diameter	mm / inch	Ø25 / Ø0.98	Ø40 / Ø1.57	Ø40 / Ø1.57	Ø40
Height of table (horizontal)	mm / inch	155 / 6.10	158 / 6.22	158 / 6.22	186
Height of center (vertical)	mm / inch	110 / 4.33	135 / 5.31	160 / 6.30	160
Width of T-slot	mm / inch	12H7 / 0.47H7	12H7 / 0.47H7	12H7 / 0.47H7	12H7
Width of guide block	mm / inch	18 / 0.71	18 / 0.71	18 / 0.71	18
Clamping method and pressure	Mpa / psi	Pneumatic 0.55~0.7 / 79.8~ 101.5	Pneumatic 0.55~0.7 / 79.8~ 101.5	Pneumatic 0.55~0.7 / 79.8~ 101.5	Pneumatic 0.55~0.7 / 79.8~ 101.5
Clamping torque	Nm /ft. lbs.	80 / 58.96	180 / 132.66	260 / 191.62	260 / 191.62
Servo motor spec		refer to page 57			
Transmission ratio		1 / 90	1 / 90	1 / 90	1 / 90
Max. table speed	min ⁻¹	44.4	44.4	44	44.4
Allowable loading inertia $(\frac{W.D^2}{8})$	Kg.m ²	0.2	0.55	0.84	0.84
Resolution	deg.	0.001	0.001	0.001	0.001
Indexing accuracy	sec.	40	20	20	20
Repeatability	sec.	6	6	6	6
Net weight (servo motor excluded)	kg / lb	35 / 87.5	54 / 118.8	57 / 125.4	66 / 145.2
Allowable loading capacity	Vertical	Kg / lb	50 / 110	75 / 165	75 / 165
	Horizontal	Kg / lb	100 / 220	150 / 330	150 / 330
	Tailstock applied	kg / lb	100 / 220	150 / 330	150 / 330
Allowableload (when table clamped)		N / lbs	9700 / 2176.68	14000 / 3141.60	14000
		Nm /ft. lbs.	410 / 302.17	1020 / 751.74	1020 / 752
		Nm /ft. lbs.	80 / 58.96	180 / 132.66	260 / 191.62
Allowable cutting torque		Nm /ft. lbs.	85 / 62.65	170 / 125.29	260 / 191.62

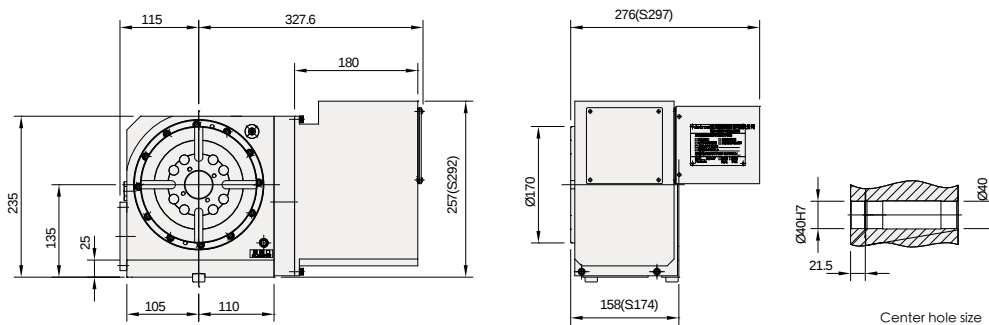
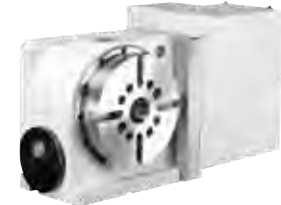
Note: Allowable cutting torque at table speed of 1 min⁻¹.

DIMENSIONAL DRAWINGS

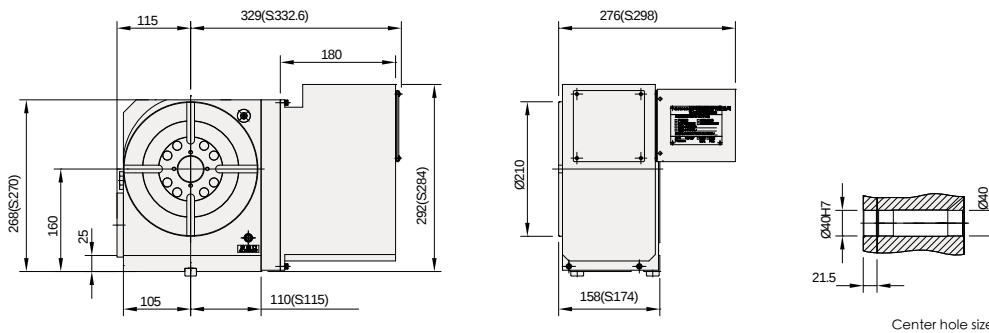
GX-125P



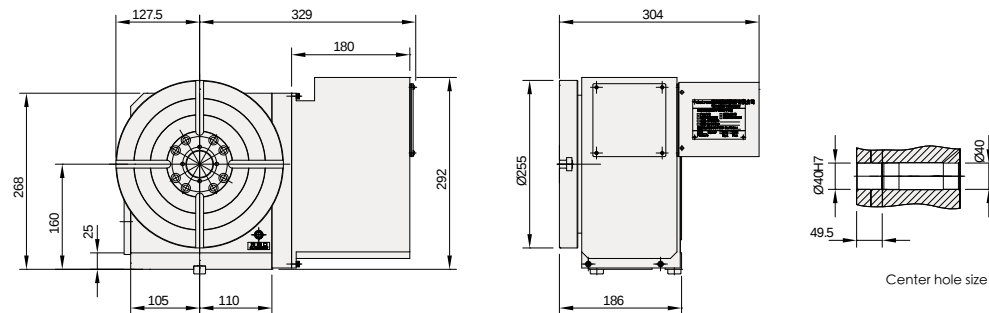
GX-170P



GX-210P/S/H



GX-255P/GX-250H



- Note: 1. Drawings for PL type (motor on the left hand side type) are available upon request.
2. New series of GXA-S with enlarged spindle bore and multiple clamping torque is available. Contact **detron** local dealer for further information.
3. The length of servo guard varies with servo motor type. (type metal sheet dimensions shown above are based on Fanuc motor)

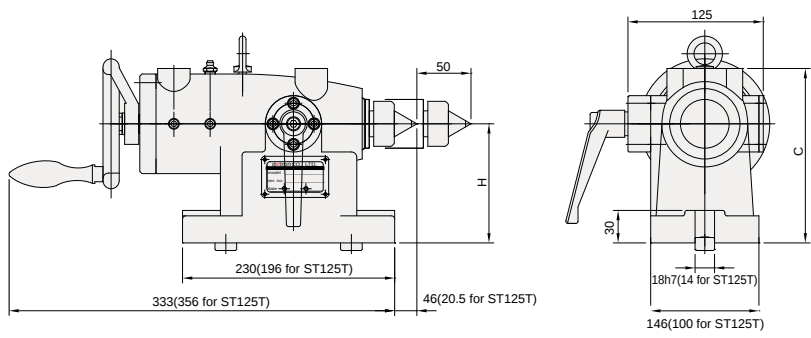
Quill Tailstock

Manual Quill Tailstock



ST - 1 7 0 T P

Quill Tailstock Table size: Ø170
P Pneumatic drive
H Hydraulic drive
With morse taper



MODEL		ST-125T	ST-170T	ST-210T	ST-255T	ST-320T	ST-400T
H		110 / 4.33	135 / 5.31	160 / 6.30	190 / 7.48	210 / 8.27	255 / 10.04
C		161 / 6.34	183 / 7.20	208 / 8.19	238 / 9.37	258 / 10.16	306 / 12.05
Weight(Kg / lb)		24 / 52.8	26 / 57.2	28 / 61.6	31 / 68.2	30 / 66	31 / 68.2

Pneumatic Quill Tailstock

Hydraulic Quill Tailstock



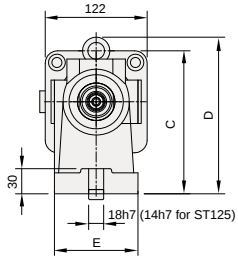
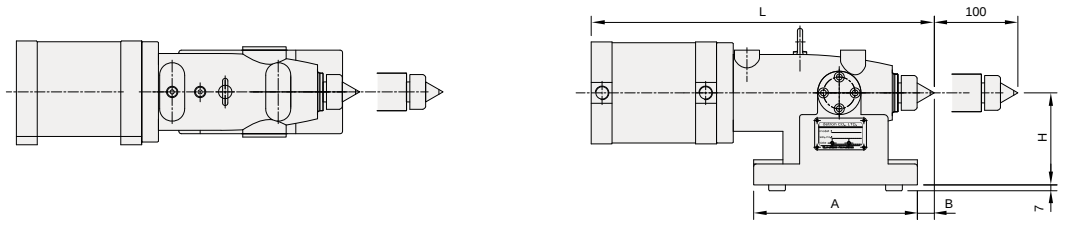
ST-125TP ST-170TP
ST-210TP



ST-170TH ST-210TH
ST-255TH ST-320TH
ST-400TH

Pneumatic manual switch valve (optional)

Hydraulic manual switch valve (optional)



MODEL	ST-125TP	ST-170TP/TH	ST-210TP/TH	ST-255TH	ST-320TH	ST-400TH
H	110 / 4.33	135 / 5.31	160 / 6.3	190 / 7.48	210 / 8.27	255 / 10.04
C	171 / 6.73	196 / 7.72	221 / 8.70	238 / 9.37	258 / 10.16	306 / 12.05
A	196 / 7.72	230 / 9.06	230 / 9.06	230 / 9.06	230 / 9.06	230 / 9.06
B	23 / 0.91	48.5 / 1.91	48.5 / 1.91	46 / 1.81	46 / 1.81	46 / 1.81
D	191 / 7.52	216 / 8.5	241 / 9.49	271 / 10.67	291 / 11.46	336 / 13.23
E	100 / 3.94	146 / 5.75	146 / 5.75	146 / 5.75	146 / 5.75	146 / 5.75
L	416.5 / 16.4	416.5 / 16.4	416.5 / 16.4	392 / 15.43	392 / 15.43	392 / 15.43
Weight(Kg / lb)	24 / 52.8	26 / 57.2	28 / 61.6	36 / 79.2	35 / 77	36 / 79.2

Note: Max. operating pressure: 2MPa

Rotary Tailstock



SR - 1 7 0 P

Rotary tailstock Table size: Ø170
P Pneumatic clamping
H Hydraulic clamping

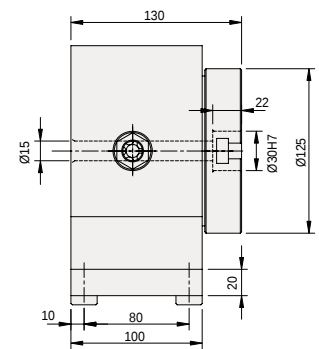
SR-125P SR-170P/H SR-210P/H
SR-255H SR-320H SR-400H

MODEL	SR-125P	SR-170P	SR-210P	SR-255H	SR-320H	SR-400H
Weight(Kg / lb)	20 / 44	28 / 61.6	33 / 72.6	61 / 134.2	68 / 149.6	133 / 292.6

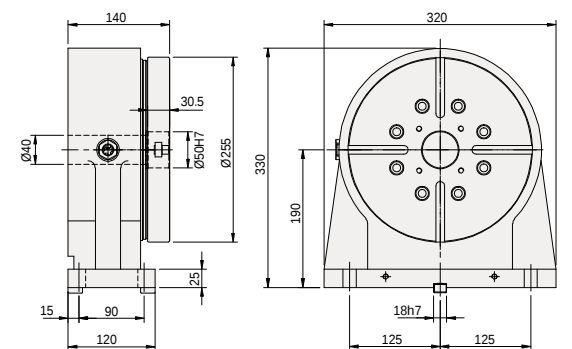
Note: SR rotary tailstock without brake is available, please contact the local agent for application info.

DIMENSIONAL DRAWINGS

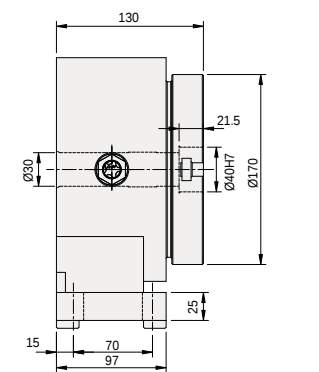
SR-125P



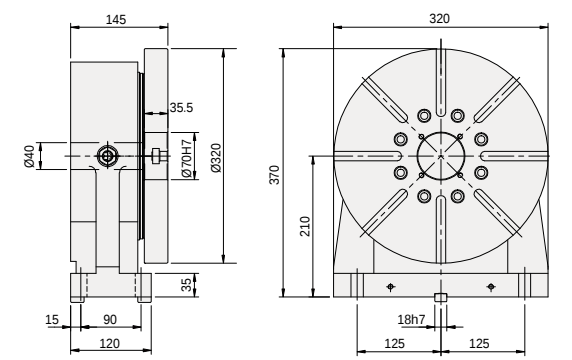
SR-255H



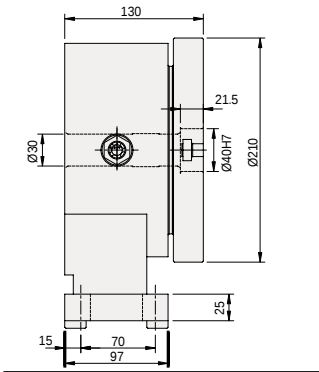
SR-170P/H



SR-320H



SR-210P/H



SR-400H

