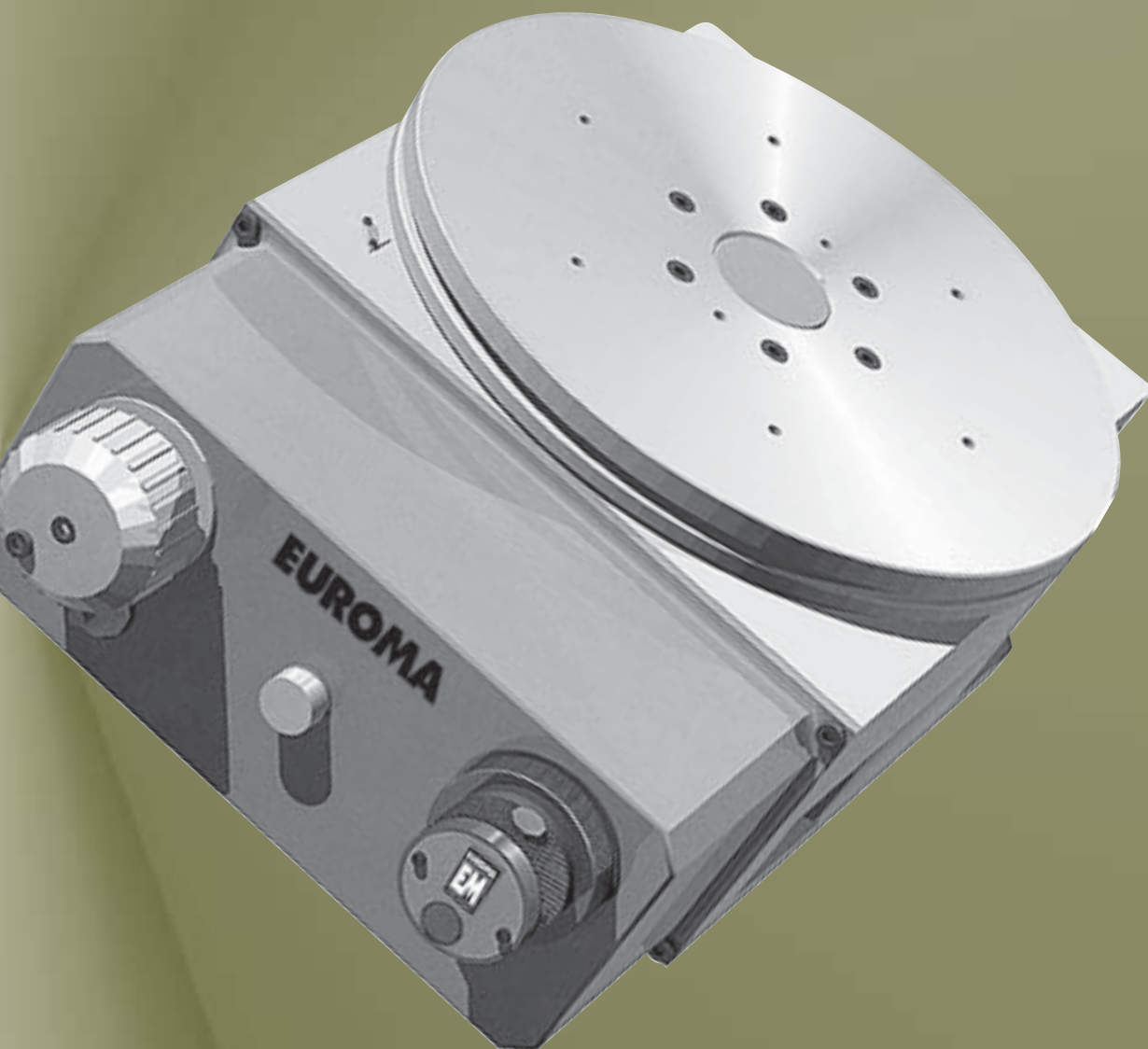


EUROMA[®]

INDEXING TABLES



The pneumatic table T.H.350 is an essential part of rotary transfer machines for machining operations, or any other purpose.

The plate's drive is via double rack and pinion device and front gears coupling ensure a proper movement of the required load.

The plate is accurately positioned by two, 250mm (9.84") diameter, 120 teeth, hardened and ground HIRTH gears rings, for high stability against all strains on the plate (torque).

When stationary, the plate's HIRTH gears are firmly held engaged by a high pneumatic axial thrust to ensure maximum rigidity.

Plate indexes after lifting 4mm (.157")

Number of indexings / rev. is set by means of an external setting wheel (max. 6 options).

Table configurations:

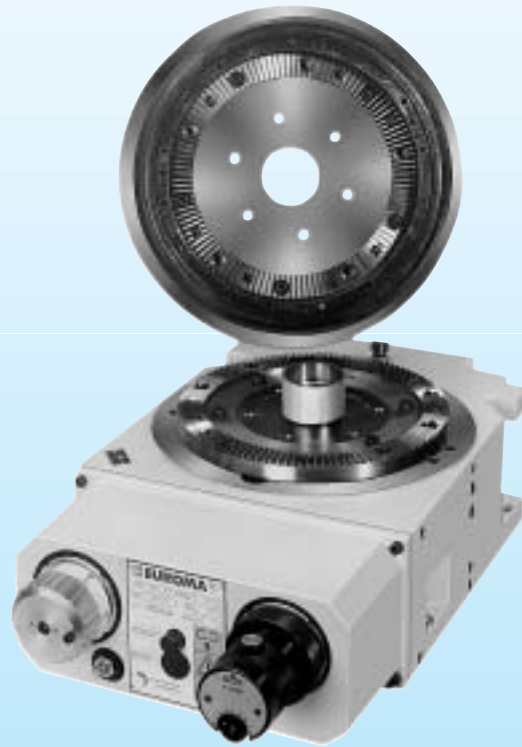
- quick station change =T.H.350
- station change with distance pieces =T.H.345

On model T.HPE.350, start of the table must be done through one 5/2 double solenoid valve.

On model T.HPE.345, start of the table must be done through two 5/2 double solenoid valve.

Table is also available in a totally pneumatic version (model T.HPP.350).

Please note the range of our standard accessories on the next page. The table is prearranged for emergency stop control.



TECHNICAL FEATURES	
PLATE O/DIAMETER mm (inch)	320 (12.60")
DIRECTION OF ROTATION	CLOCK WISE
ANGULAR INDEXING ACCURACY	± 5"
INDEXING ACCURACY ON PLATE O/DIA mm (inch)	± 0.004 (± .00016")
PLATE TO BASE PARALLELISM mm (inch)	0.02 (.0008")
PLATE FLATNESS mm (inch)	0.02 (.0008")
PLATE LOCKING FORCE AT 6 bar (87 P.S.I.)	15800 N (3488 lbs)
PLATE DRIVING TORQUE AT 6 bar (87 P.S.I.)	100 Nm (74 ft.lb)
MAX MOMENT OF INERTIA kgm ² (ft ² .lb)	20 (474)
WEIGHT Kgs (lbs)	88 (194)
STANDARD COLOUR-RAL	7035

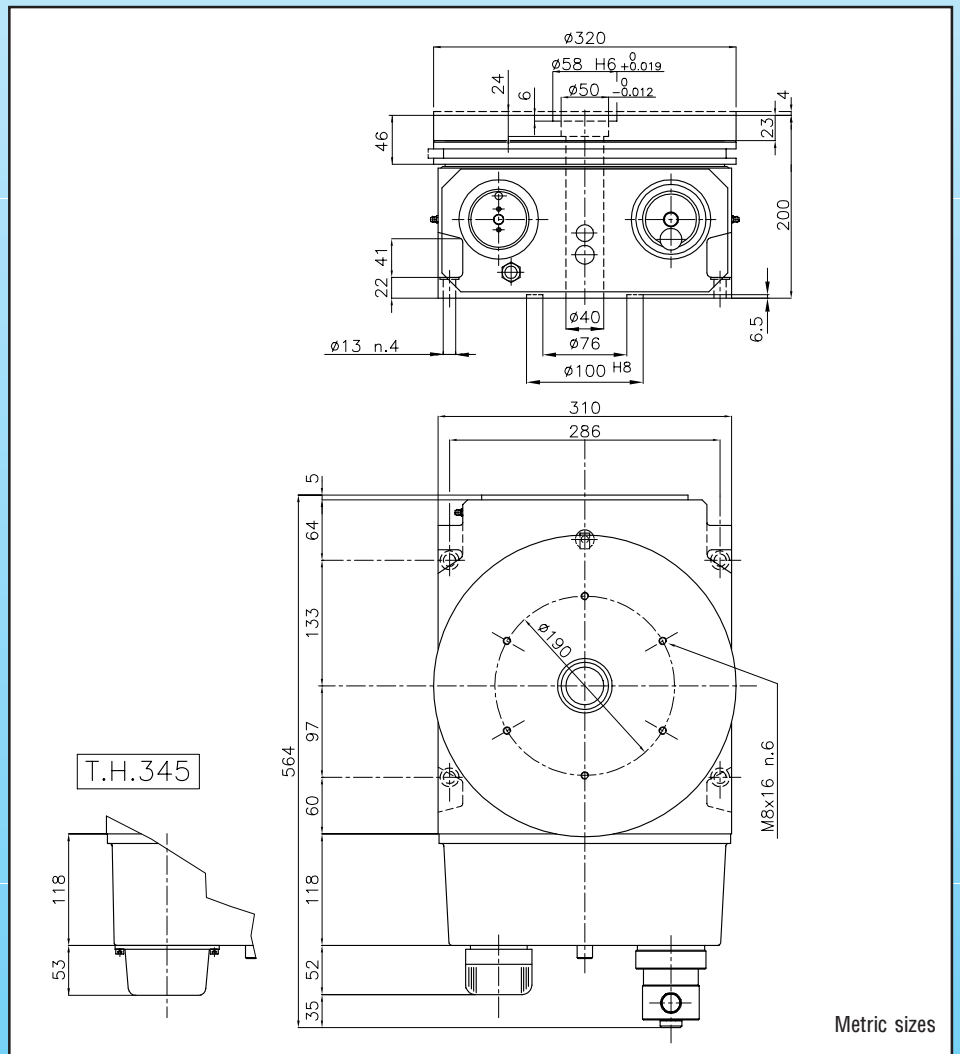
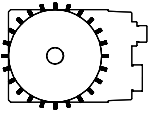
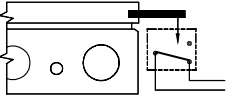
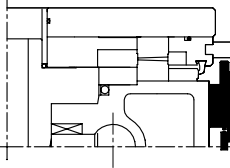
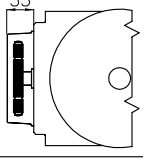
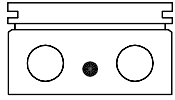
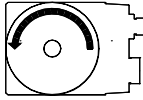
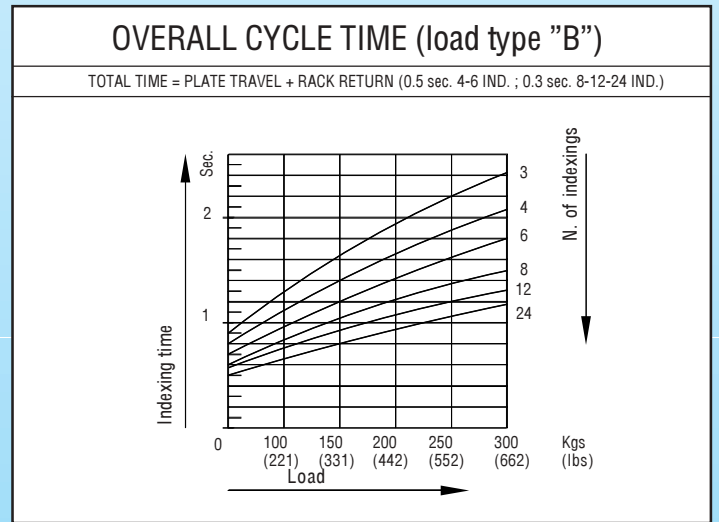
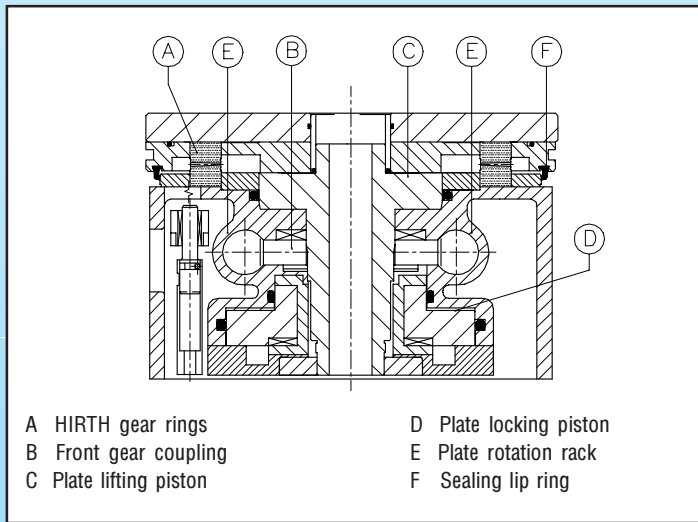


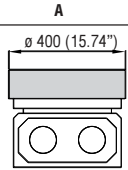
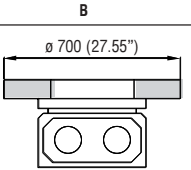
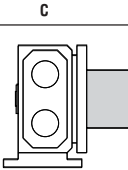
TABLE	CODE	INDEXINGS
QUICK STATION CHANGE		
T.HPE.350	10560010	3-4-5-6-8-10 12-15-20-24-30 40-60-120
Table is supplied set on your required number of indexings, Ex. 3-5-12-30-40-120		
STATION CHANGE WITH DISTANCE PIECES		
T.HPE.345	10560050	3-4-5-6-8-10 12-15-20-24-30 40-60-120
Table is supplied with one rack stop distance piece suitable for the selected n° of stations.		

ACCESSORIES	
PLATE POSITION PINS	CODE
	28020250
PLATE POSITION MICRO-SWITCH	CODE
	28020200
	

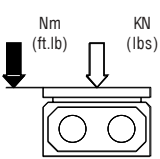
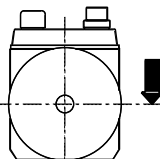
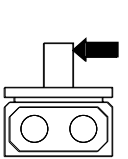
ACCESSORIES	
FITTED SOLENOID VALVE	CODE
	28020220
MANUAL START BUTTON	CODE
	28020210
COUNTER-CLOCKWISE ROTATION	CODE
	M9910050



LIMIT LOAD ON PLATE

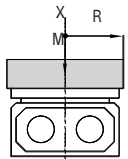
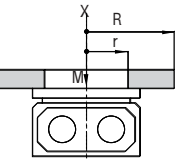
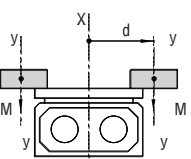
A	B	C
		
400 Kgs (883 lbs)	250 Kgs (551 lbs)	120 Kgs (265 lbs)

LIMIT STRESSES ON PLATE (6 bar)

		
1400 Nm (1031 ft.lb)	950 Nm (700 ft.lb)	600 Nm (442 ft.lb)

MOMENT OF INERTIA CALCULATION

I = moment of inertia kgm^2 ($ft^2 \cdot lb$) - M = mass kg (lbs) - R-r,d = radius m (ft)

EVENLY DISTRIBUTED LOAD	RING TYPE LOAD DISTRIBUTION	FIXTURES LOADING
		
$I = 1/2 \cdot M \cdot R^2$	$I = 1/2 \cdot M \cdot (R^2 + r^2)$	$I = M \cdot d^2 \cdot n^2$

The hydraulic table T.HI.350 is an essential part of rotary transfer machines for machining operations, or any other purpose.

The plate's drive is via double rack and pinion device and front gears coupling ensure a proper movement of the required load.

The plate is accurately positioned by two, 250mm (9.84") diameter, 120 teeth, hardened and ground HIRTH gears rings, for high stability against all strains on the plate (torque).

When stationary, the plate's HIRTH gears are firmly held engaged by a high hydraulic axial thrust to ensure maximum rigidity.

Plate indexes after lifting 4mm (.157")

Table configurations:

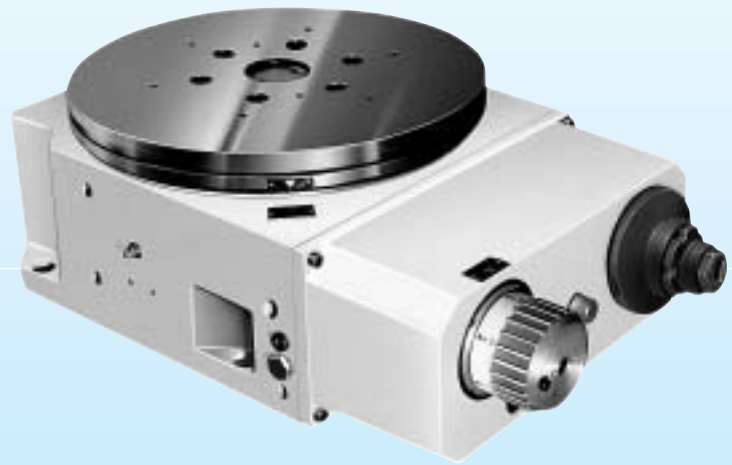
- quick station change =T.HI.350

- station change with distance pieces =T.HI.345

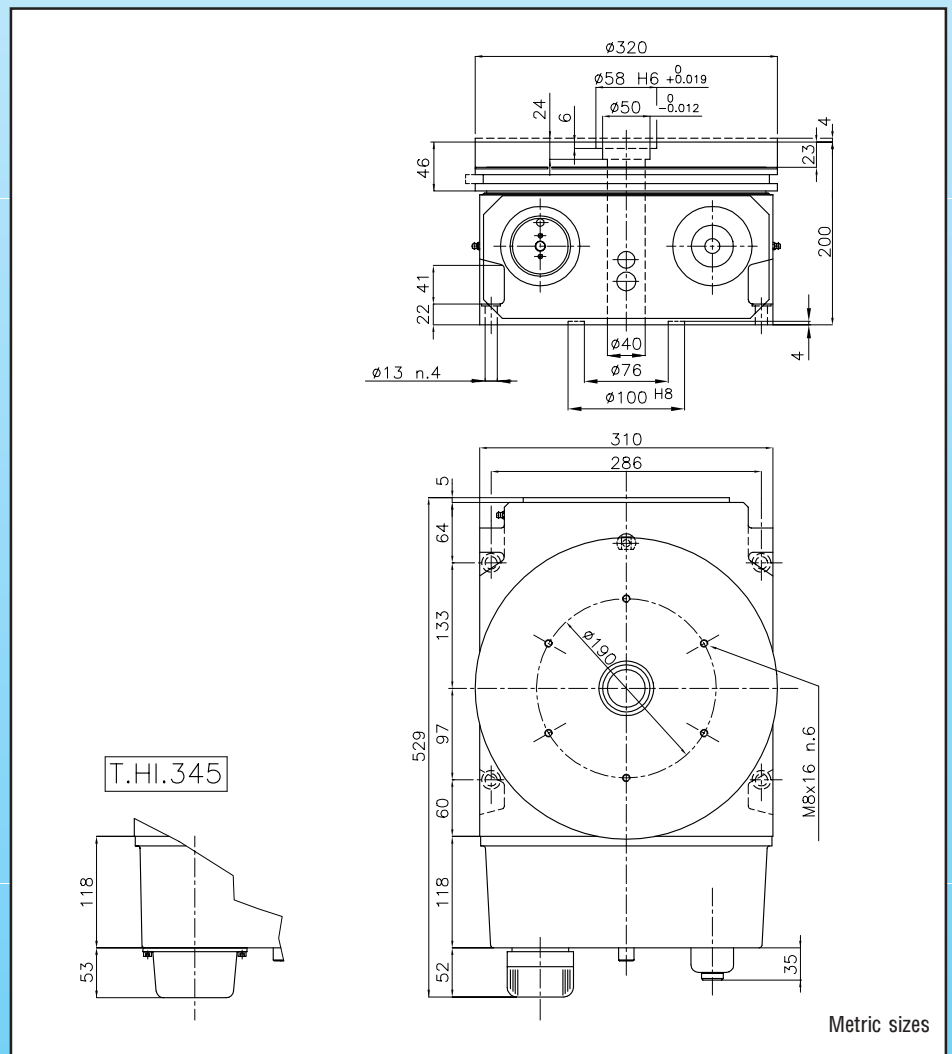
On model T.HI.350, start of the table must be done through one 5/2 double solenoid valve, one flow regulator and a suitable power pack.

On model T.HI.345, start of the table must be done through two 5/2 double solenoid valve, one flow regulator and a suitable power pack.

The table is prearranged for the emergency stop control.

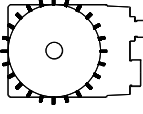
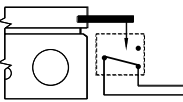
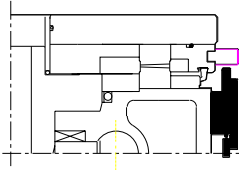


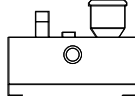
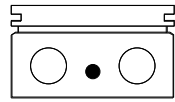
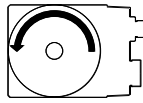
TECHNICAL FEATURES	
PLATE Ø/DIAMETER mm (inch)	320 (12.60")
DIRECTION OF ROTATION	CLOCK WISE
ANGULAR INDEXING ACCURACY	± 5"
INDEXING ACCURACY ON PLATE Ø/DIA mm (inch)	± 0.004 (± .00016")
PLATE TO BASE PARALLELISM mm (inch)	0.02 (.0008")
PLATE FLATNESS mm (inch)	0.02 (.0008")
PLATE LOCKING FORCE AT 30 bar (435 P.S.I.)	18000 N (3968 lbs)
PLATE DRIVING TORQUE AT 30 bar (435 P.S.I.)	350 Nm (258 ft.lb)
MAX MOMENT OF INERTIA kgm ² (ft ² .lb)	20 474
WEIGHT Kgs (lbs)	88 (194)
STANDARD COLOUR-RAL	7035

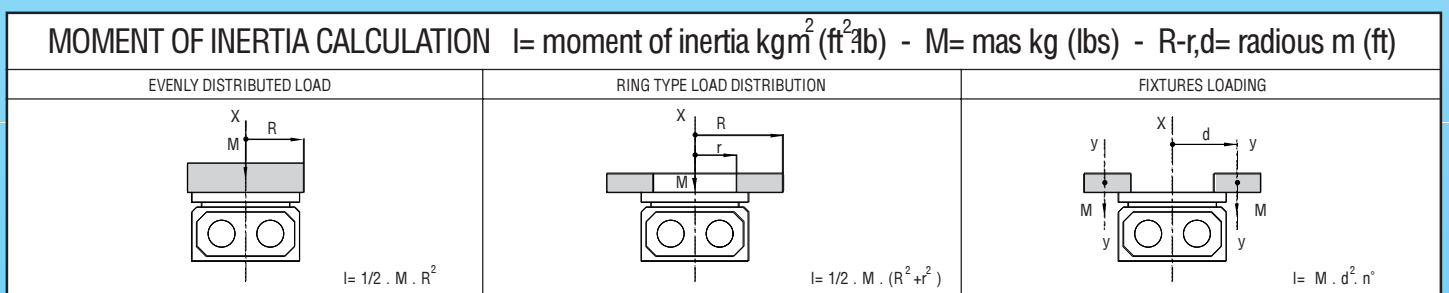
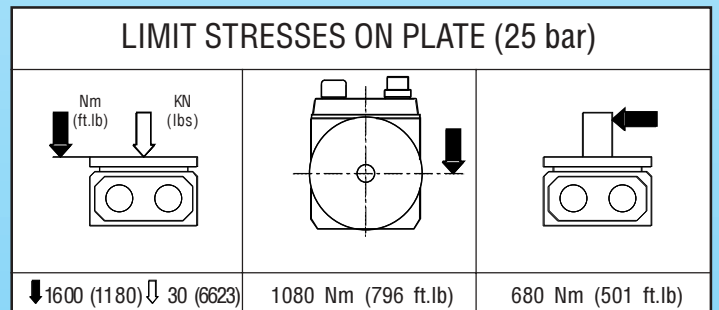
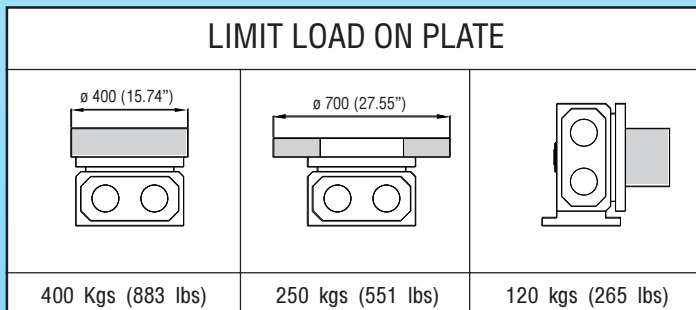
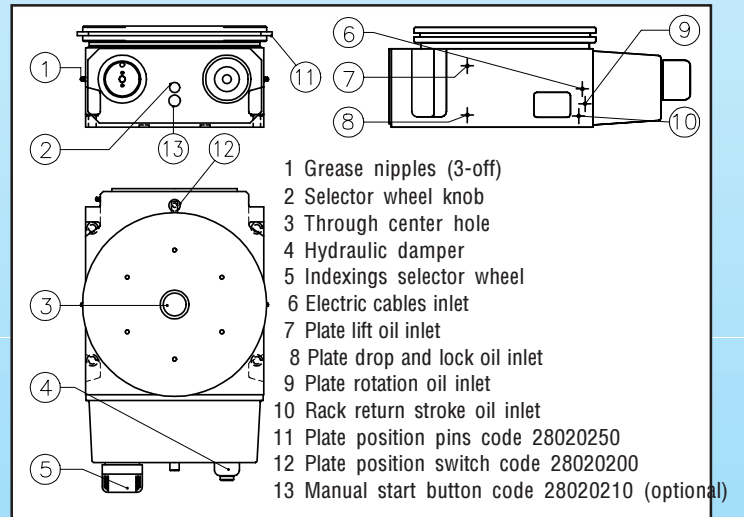
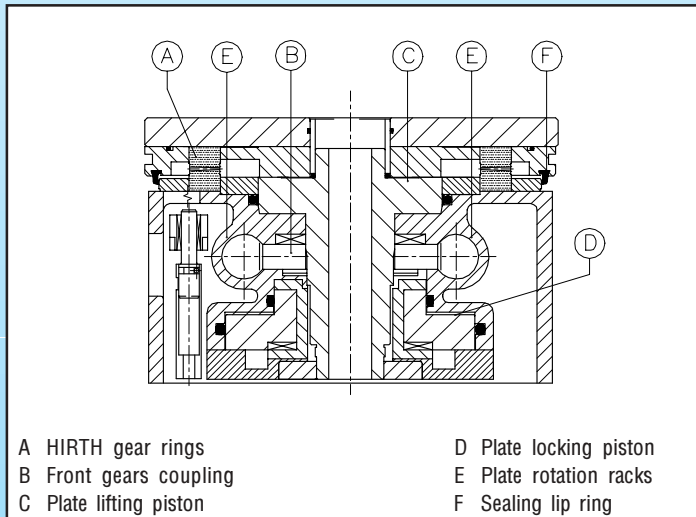


Metric sizes

TABLE	CODE	INDEXINGS
QUICK STATION CHANGE		
T.HI.350	10560040	3-4-5-6-8-10 12-15-20-24-30 40-60-120
Table is supplied with 6 indexing settings to choose, Ex. 3-5-12-30-40-120		
STATION CHANGE WITH DISTANCE PIECES		
T.HI.345	10560060	3-4-5-6-8-10 12-15-20-24-30 40-60-120
Table is supplied with one rack stop distance piece suitable for the selected n° of stations.		

ACCESSORIES	
PLATE POSITION PINS	CODE
	28020250
PLATE POSITION MICRO-SWITCH	CODE
	28020200
	

ACCESSORIES	
HYDRAULIC POWER PACK	CODE
	Please consult engineering office
MANUAL START BUTTON	CODE
	28020210
ANTI-CLOCKWISE ROTATION	CODE
	M9910050



The pneumatic indexing tables T.P.271-T.R.276 are suitable for chip removal transfer machines and all cases where it is necessary to transfer small parts.

The plate is driven by a very compact rack and pinion swinging device, which is totally contained within the table frame. This enables the optimum utilization of the space surrounding the table.

These tables are also fitted with a center swivel joint to supply air line to the fixtures mounted on the plate.

When indexing the 270 mm (10.63") dia plate does not lift.

The indexing setting device is supplied as a standard.

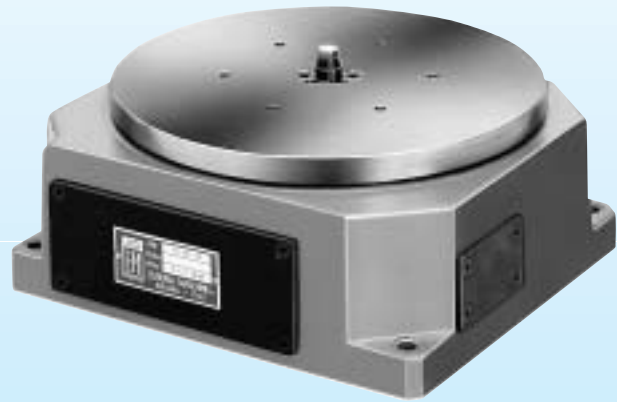
In model T.R.276 the locking is guaranteed by a mechanical interlock which fits into the plate.

Tables can be supplied fitted with:

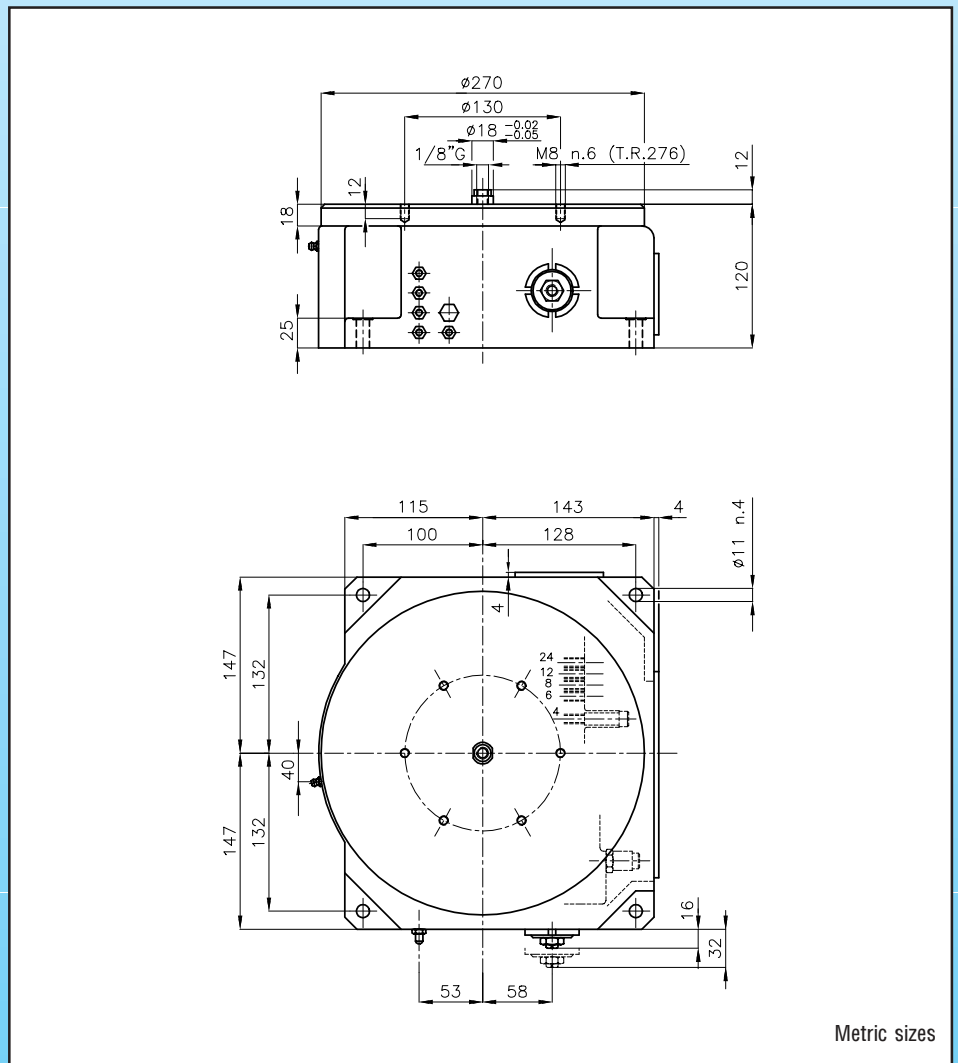
- pneumatic damper = FP
- hydraulic damper = FH

For 2 and 3 indexings, the "double index device" is required.

Please note the range of our standard accessories on the opposite page.


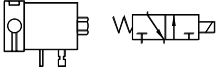
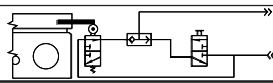


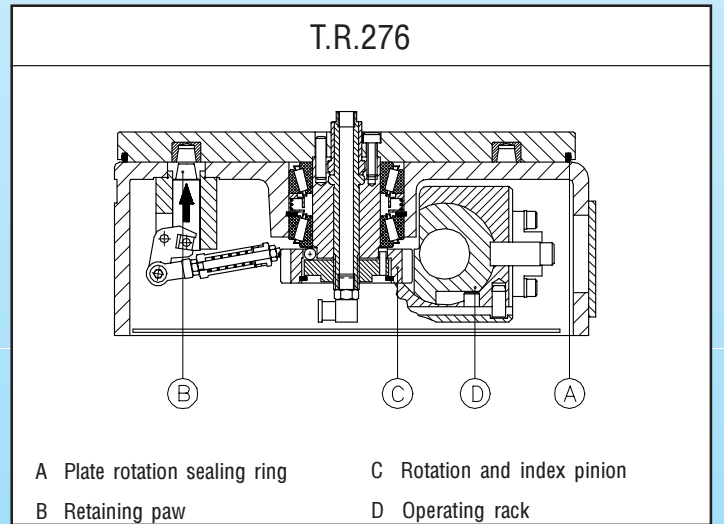
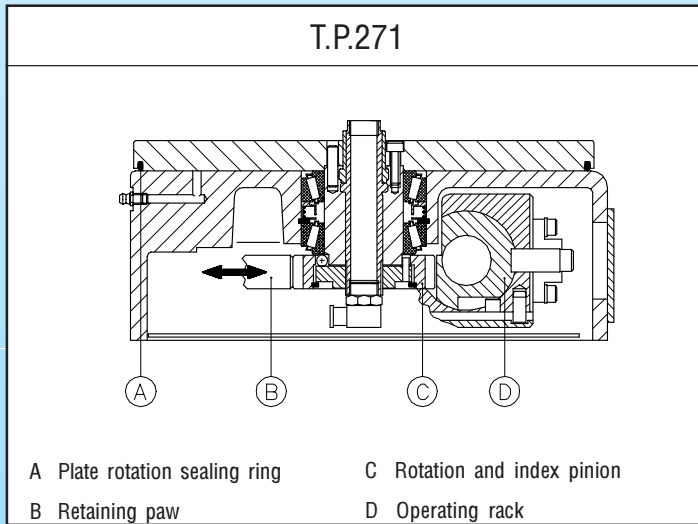
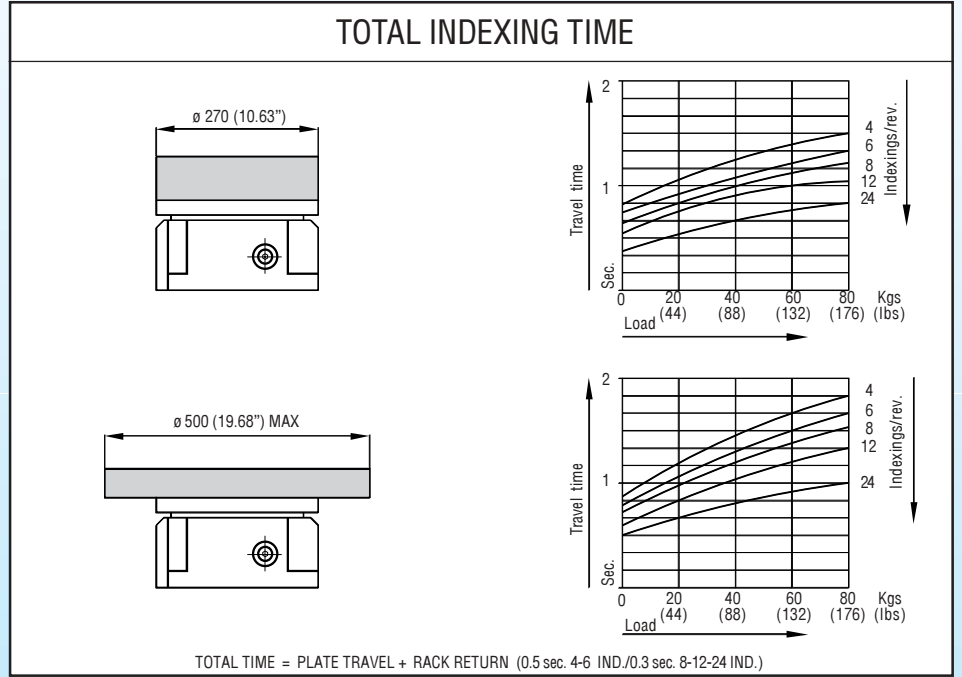
TECHNICAL FEATURES		
PLATE Ø/DIAMETER mm (inch)		270 (10.63")
DIRECTION OF ROTATION		CLOCK WISE
ANGULAR INDEXING ACCURACY	T.P.271 T.R.276	±60" ±30"
INDEXING ACCURACY ON PLATE Ø/DIA mm (inch)	T.P.271 T.R.276	± 0.04 (± .002") ± 0.02 (± .001")
PLATE TO BASE PARALLELISM mm (inch)	T.P.271 T.R.276	± 0.04 (± .002") ± 0.03 (± .001")
PLATE FLATNESS mm (inch)	T.P.271 T.R.276	± 0.04 (± .002") ± 0.03 (± .001")
PLATE DRIVING TORQUE AT 6 bar (87 P.S.I.)		50 Nm (37 ft.lb)
MAX MOMENT OF INERTIA kgm ² (ft ² .lb) MAX	FP	0.8 (19)
MOMENT OF INERTIA kgm ² (ft ² .lb)	FH	3.6 (85)
WEIGHT Kgs (lbs)		33 (72)
STANDARD COLOUR-RAL		7035



Metric sizes

TABLE		INDEXINGS
MODEL	CODE	STANDARD
T.P.271.FP	10518010	4-6-8-12-24
T.P.271.FH	10518015	4-6-8-12-24
T.R.276.12.FP	10522010	4-6-12
T.R.276.12.FH	10522015	4-6-12
T.R.276.24.FP	10522020	4-6-8-12-24
T.R.276.24.FH	10522025	4-6-8-12-24

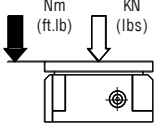
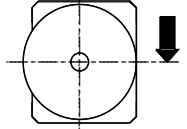
ACCESSORIES	
SOLENOID VALVE	CODE
	43525025
REMOTE START BUTTON	CODE
	Please consult engineering office
DOUBLE INDEX DEVICE	CODE
	28020405

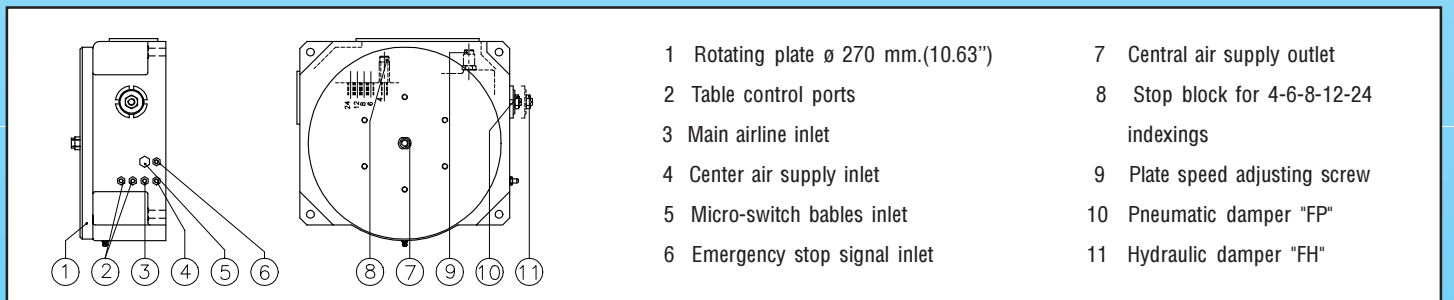


LIMIT LOAD ON PLATE

$\phi 270 (\phi 10.6")$		$\phi 500 (\phi 19.7")$	
T.P.271.FP - T.R.276.FP	T.P.271.FH - T.R.276.FH	T.P.271.FP - T.R.276.FP	T.P.271.FH - T.R.276.FH
40 Kgs (88 lbs)	80 kgs (176 lbs)	25 kgs (55 lbs)	80 kgs (176 lbs)

LIMIT STRESSES ON PLATE (6 bar)

	
T.P.271 - T.R.276	T.P.271 - T.R.276
280 (206) Nm (ft.lb)	50 Nm (37 ft.lb)



The pneumatic indexing table T.R.278 is suitable for rotary transfer machines and automatic assembly operations.

The plate is driven by a very compact rack and pinion swinging device, which is totally contained within the table frame. This enables the optimum utilization of the space surrounding the table. Plate is positioned and locked by a tapered pin fitting into relative seats.

An annular circular area around the plate is also utilized to produce a pneumatic force to hold it firmly against the base.

Table T.P.278 is also fitted with a centre swivel joint to supply air line to the fixtures mounted on the plate.

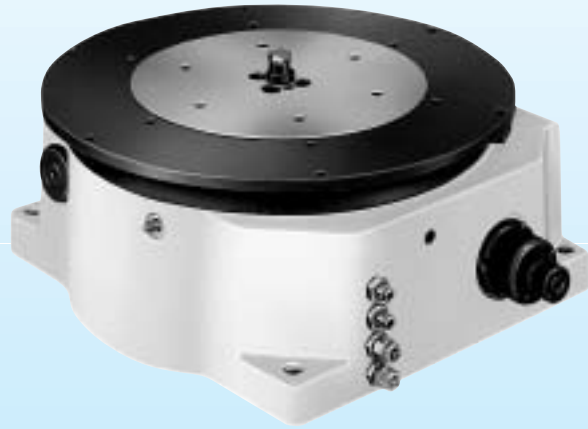
The 305 mm (12.01") dia plate does not lift. The indexing setting device is supplied as a standard.

Table can be fitted with:

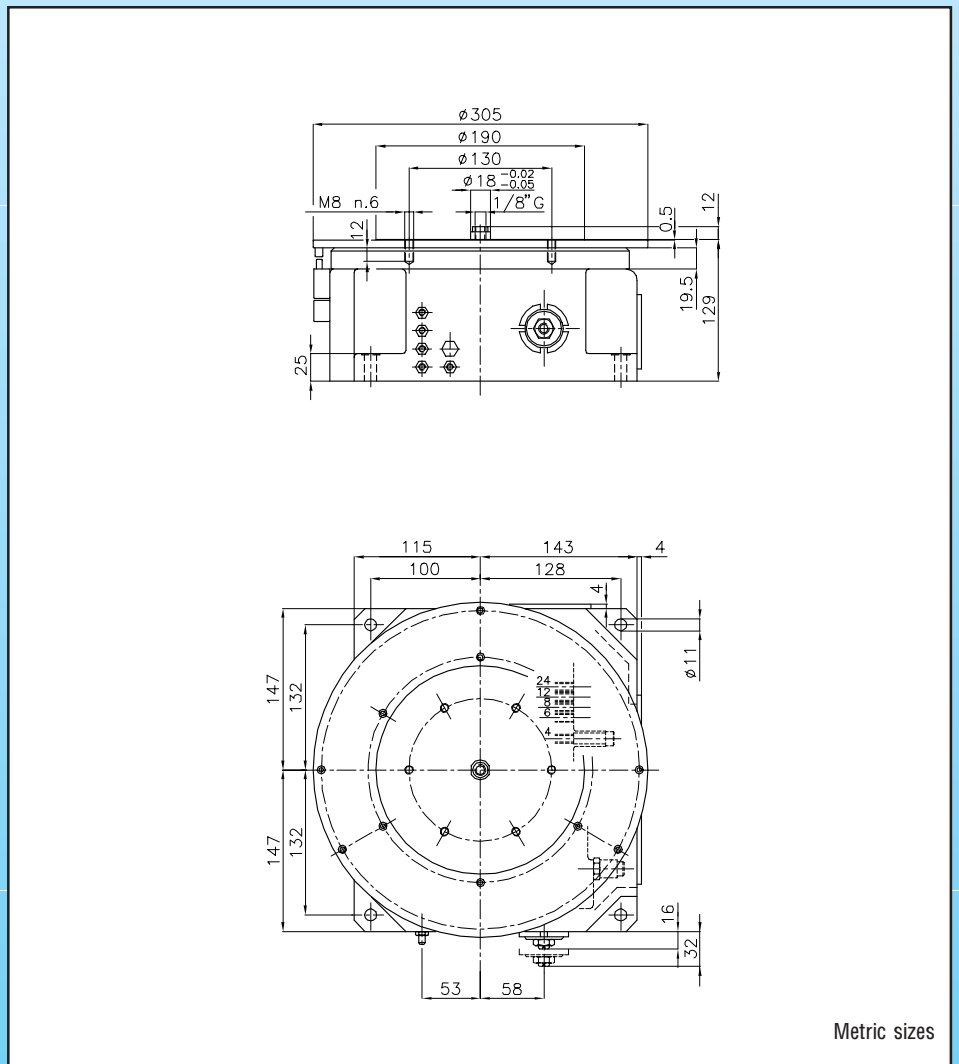
- pneumatic damper =TR.278.FP
- hydraulic damper =TR.278.FH

For 2 and 3 indexings, the "double index device" is required.

Please note the range of our standard accessories on the opposite page.



TECHNICAL FEATURES		
PLATE O/DIAMETER mm (inch)	305 (12.01")	
DIRECTION OF ROTATION	CLOCK WISE	
ANGULAR INDEXING ACCURACY	± 30"	
INDEXING ACCURACY ON PLATE O/DIA mm (inch)	± 0.02 (± .001")	
PLATE TO BASE PARALLELISM mm (inch)	0.03 (.001")	
PLATE FLATNESS mm (inch)	0.03 (.001")	
PLATE LOCKING FORCE AT 6 bar (87 P.S.I.)	4400 N (971 lbs)	
PLATE DRIVING TORQUE AT 6 bar (87 P.S.I.)	50 Nm (37 ft.lb)	
MAX MOMENT OF INERTIA kgm ² (ft ² .lb)	278.FP	0.8 (19)
	278.FH	3.6 (85)
WEIGHT Kgs (lbs)	34 (75)	
STANDARD COLOUR-RAL	7035	



Metric sizes

The hydraulic table T.RI.320 is an essential part of rotary transfer machines for machining operations, or any other purpose.

The plate's drive is via double rack and pinion device and front gears coupling ensure a proper movement of the required load.

The plate is accurately positioned and held by two tapered pins fitting into diametrically opposite seats.

When stationary, the plate is hydraulically locked hard against the base to ensure that no vibration occurs during machining.

The 320 mm (12.60") dia plate rotates after lifting 4 mm (.157").

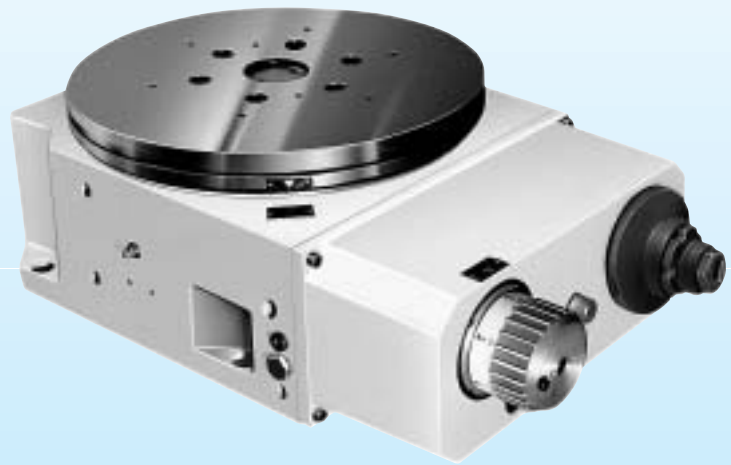
The table can feature:

- quick station change =T.RI.320
- station change with distance pieces =T.RI.315

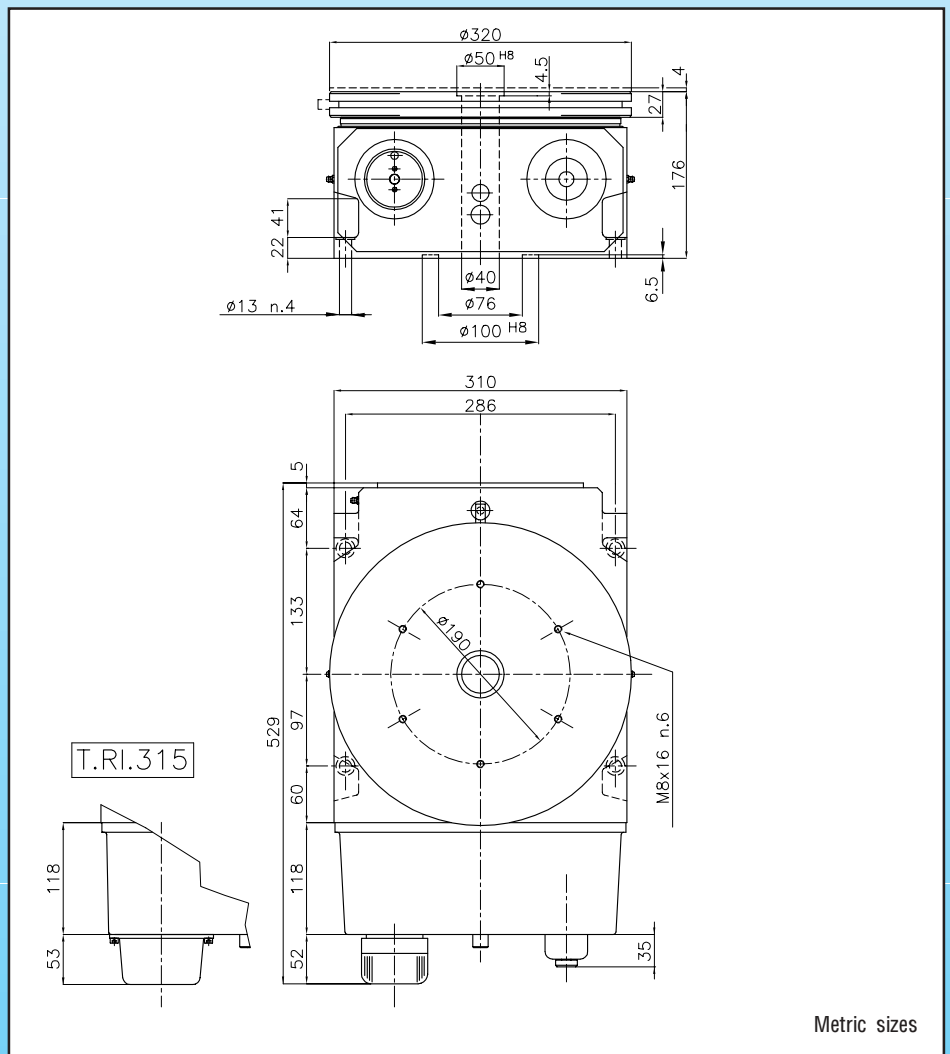
T.RI.320-315 tables must be started through two 5/2 double solenoid valve, one flow regulator and a suitable power pack.

Manufacturing tolerances are same as model T.R.320.


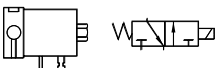
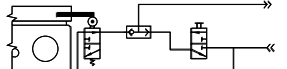
Please note the range of our standard accessories on the opposite page.

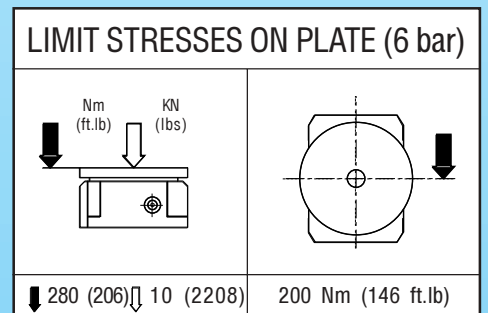
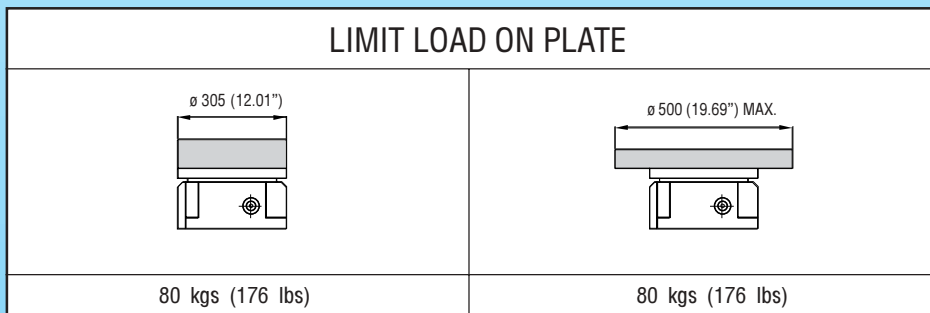
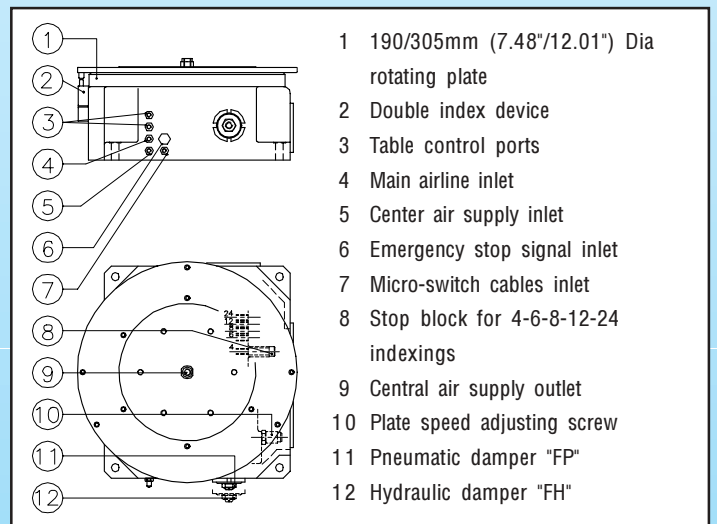
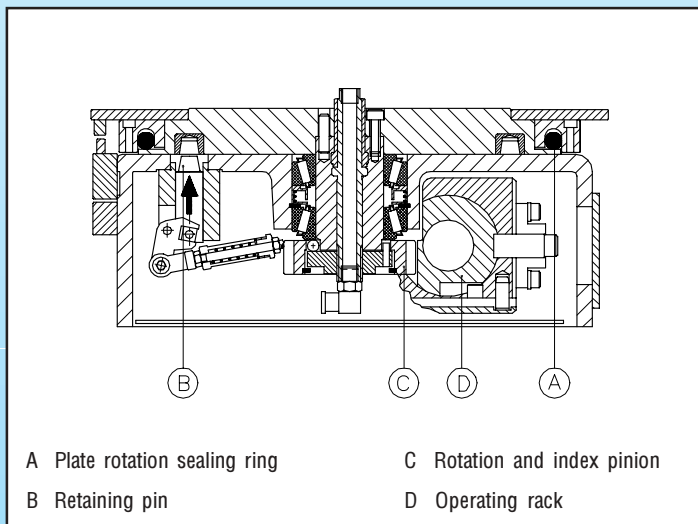
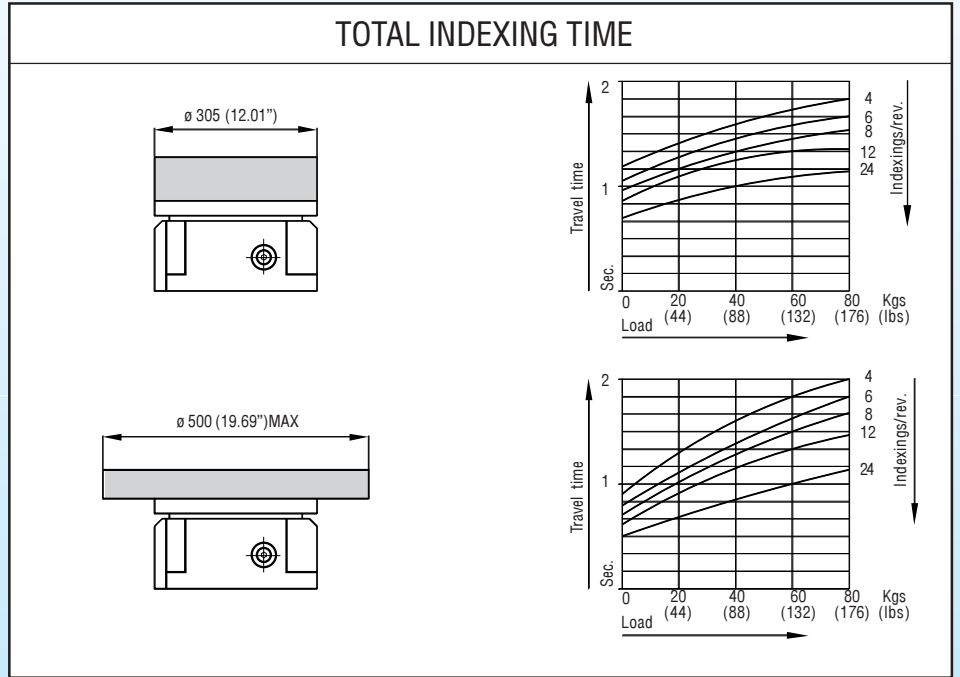


TECHNICAL FEATURES	
PLATE O/DIAMETER mm (inch)	320 (12.60")
DIRECTION OF ROTATION	CLOCK WISE
ANGULAR INDEXING ACCURACY	± 10"
INDEXING ACCURACY ON PLATE O/DIA mm (inch)	± 0.007 (± 0.00028)
PLATE TO BASE PARALLELISM mm (inch)	0.02 (.0008")
PLATE FLATNESS mm (inch)	0.02 (.0008")
PLATE LOCKING FORCE AT 30 bar (435 P.S.I.)	18000 N (3968 lbs)
PLATE DRIVING TORQUE AT 30 bar (435 P.S.I.)	350 Nm (258 ft.lb)
MAX MOMENT OF INERTIA kgm ² (ft ² .lb)	20 (474)
WEIGHT Kgs (lbs)	85 (187)
STANDARD COLOUR-RAL	7035



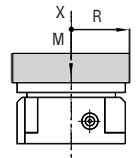
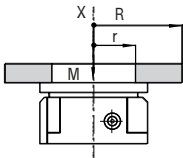
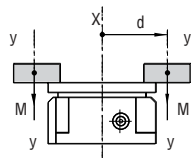
Metric sizes

TABLE		INDEXINGS
MODEL	CODE	STANDARD
T.R.278.12.FP	10525110	4-6-12
T.R.278.12.FH	10525010	4-6-12
T.R.278.24.FP	10525120	4-6-8-12-24
T.R.278.24.FH	10525020	4-6-8-12-24
ACCESSORIES		
SOLENOID VALVE	CODE	
	43525025	
REMOTE START BUTTON	CODE	
	Please consult engineering office	
DOUBLE INDEX DEVICE	CODE	
	28020400	



MOMENT OF INERTIA CALCULATION

$I = \text{moment of inertia } \text{kgm}^2 (\text{ft}^2 \cdot \text{lb})$ - $M = \text{mas kg (lbs)}$ - $R, r, d = \text{radius m (ft)}$

EVENLY DISTRIBUTED LOAD	RING TYPE LOAD DISTRIBUTION	FIXTURES LOADING
 $I = 1/2 \cdot M \cdot R^2$	 $I = 1/2 \cdot M \cdot (R^2 + r^2)$	 $I = M \cdot d^2 \cdot n^2$

The pneumatic table T.R.222 is an essential part of rotary transfer machines for machining operations or any other purpose.

The plate's drive is via double rack and pinion device and front gears coupling ensure a proper movement of the required load.

The plate is accurately positioned and held by two tapered pins fitting into diametrically opposite seats.

When stationary, the plate is pneumatically locked hard against the base to ensure that no vibration occurs during machining.

The 220 mm (8.66") dia plate rotates after lifting 3 mm (.118").

Change of indexing is done by means of an external setting wheel.

Table configurations:

- pneumatically operated with electric controls = T.RPE.222
- pneumatically operated and controlled = T.RPP.222

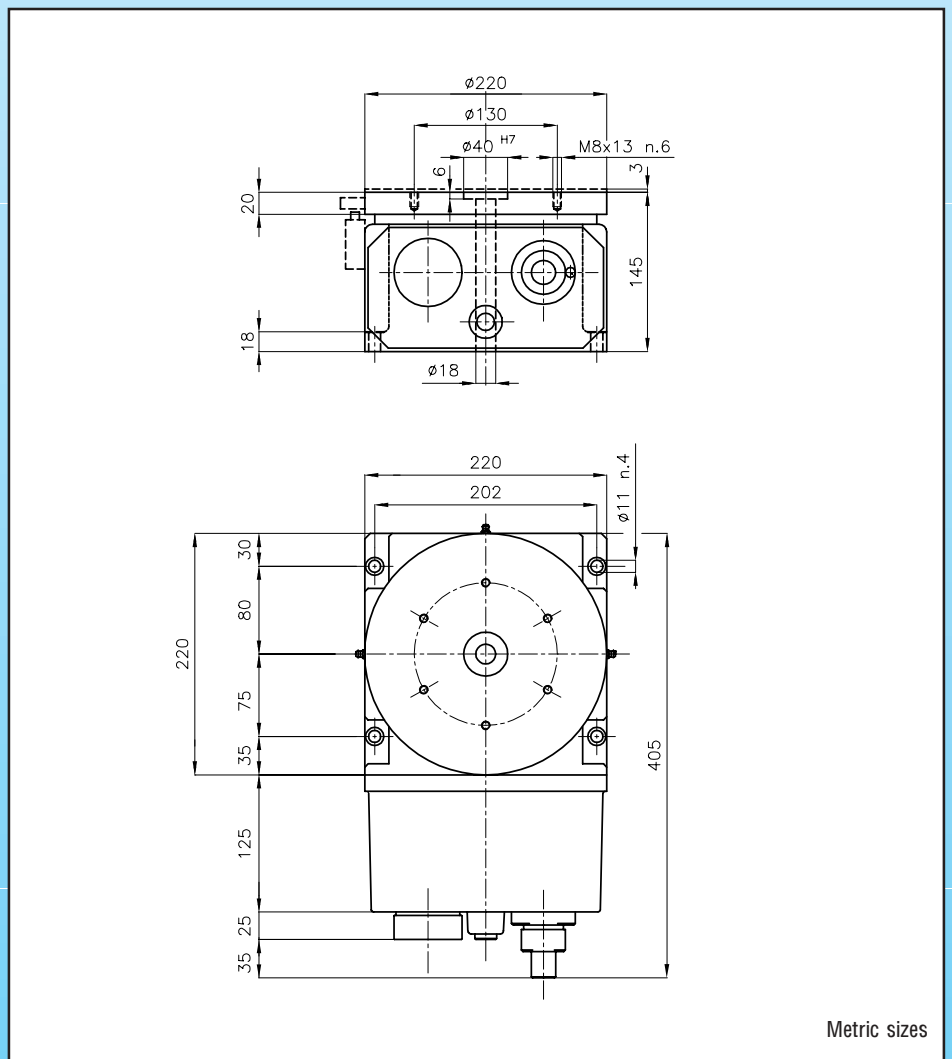
On model T.RPE.222, start of the table must be done through one a double solenoid valve.

T.RPP.222 model is fitted with manual start button as standard.

Please note the range of our standard accessories on the opposite page.



TECHNICAL FEATURES	
PLATE Ø/DIAMETER mm (inch)	220 (8.66")
DIRECTION OF ROTATION	CLOCK WISE
ANGULAR INDEXING ACCURACY	± 10"
INDEXING ACCURACY ON PLATE Ø/DIA mm (inch)	± 0.005 (± .00019")
PLATE TO BASE PARALLELISM mm (inch)	0.03 (.0012")
PLATE FLATNESS mm (inch)	0.02 (.0008")
PLATE LOCKING FORCE AT 6 bar (87 P.S.I.)	4000 N (883 lbs)
PLATE DRIVING TORQUE AT 6 bar (87 P.S.I.)	50 Nm (37 ft.lb)
MAX MOMENT OF INERTIA kgm ² (ft ² .lb)	T.RPE 7.5 T.RPP (178)
WEIGHT Kgs (lbs)	38 (84)
STANDARD COLOUR-RAL	7035



Metric sizes

The pneumatic table T.R.320 is an essential part of rotary transfer machines for machining operations or any other purpose.

The plate's drive is via double rack and pinion device and front gears coupling ensure a proper movement of the required load.

The plate is accurately positioned and held by two tapered pins fitting into diametrically opposite seats.

When stationary, the plate is pneumatically locked hard against the base to ensure that no vibration occurs during machining. The 320 mm (12.60") dia plate rotates after lifting 4 mm (.157").

The table can feature:

- quick station change,
DE.20 hydraulic damper = T.R.320
- station change with distance pieces,
DE.20 hydraulic damper = T.R.315

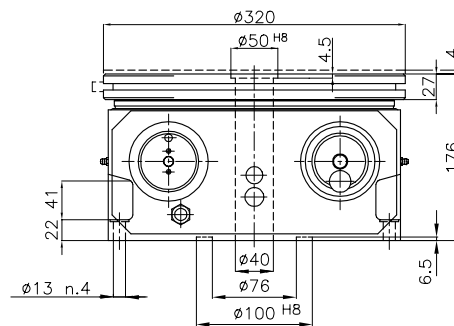
On models T.R.320 - 319, start of the table must be done through one 5/2 double solenoid valve.

On models T.R.315 - 314, start of the table must be done through two 5/2 double solenoid valves.

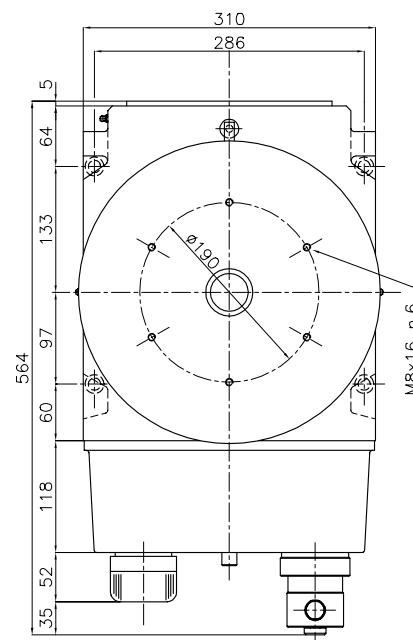
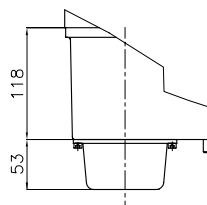
Table is also available in a totally pneumatic version (model T.RPP.320). Please note the range of our standard accessories on the opposite page. The table is prearranged for the emergency stop control.



TECHNICAL FEATURES		
PLATE Ø/DIAMETER mm (inch)	320 (12.60")	
DIRECTION OF ROTATION	CLOCK WISE	
ANGULAR INDEXING ACCURACY	± 10"	
INDEXING ACCURACY ON PLATE Ø/DIA mm (inch)	± 0.007 (± .00028)	
PLATE TO BASE PARALLELISM mm (inch)	0.02 (.0008")	
PLATE FLATNESS mm (inch)	0.02 (.0008")	
PLATE LOCKING FORCE AT 6 bar (87 P.S.I.)	15800 N (3488 lbs)	
PLATE DRIVING TORQUE AT 6 bar (87 P.S.I.)	100 Nm (74 ft.lb)	
MAX MOMENT OF INERTIA kgm ² (ft ² .lb)	T.R.320-315	20 (474)
	T.R.319-314	10 (237)
WEIGHT Kgs (lbs)	85 (187)	
STANDARD COLOUR-RAL	7035	

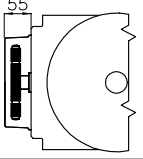
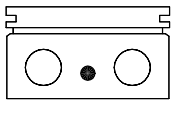
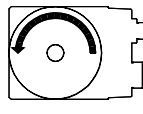
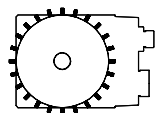
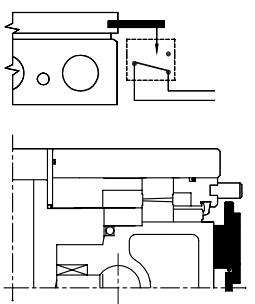


T.R.315

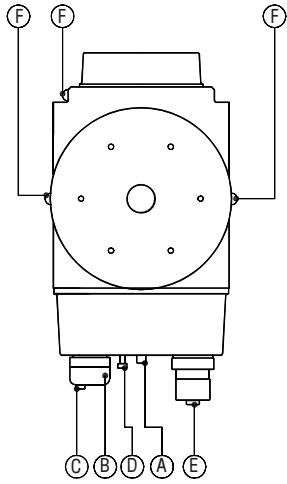


Metric sizes

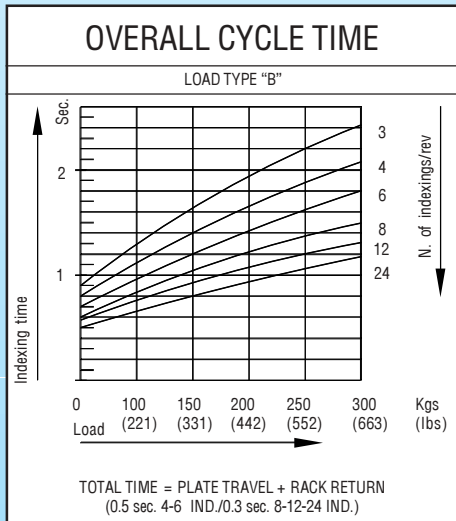
TABLE	CODE	INDEXINGS
QUICK STATION CHANGE - DE.20 HYDRAULIC DAMPER		
T.RPE.320.12	10535010	3-4-6-12
T.RPE.320.24	10535025	3-4-6-8-12-24
T.RPE.320.14	10535015	7-14
T.RPE.320.18	10535020	3-6-9-18
T.RPE.320.30	10535030	3-5-6-10-15-30
T.RPE.320.10	10535037	3-4-5-6-8-10
T.RPP.320.12	10535040	3-4-6-12
T.RPP.320.24	10535055	3-4-6-8-12-24
T.RPP.320.14	10535045	17-14
T.RPP.320.18	10535050	3-6-9-18
T.RPP.320.30	10535060	3-5-6-15-30
T.RPP.320.10	10535067	3-4-5-6-8-10
STATION CHANGE WITH DISTANCE PIECES - DE.20 HYDRAULIC DAMPER		
T.RPE.315.12	10533010	3-4-6-12
T.RPE.315.24	10533012	3-4-6-8-12-24
T.RPE.315.14	10533014	7-14
T.RPE.315.18	10533016	3-6-9-18
T.RPE.315.30	10533018	3-5-6-10-15-30
T.RPE.315	10533020	3-4-5-6-8-10

ACCESSORIES	
FITTED SOLENOID VALVE	CODE
	28020220 (solo per 320)
MANUAL START BUTTON	CODE
	28020210
ANTI-CLOCKWISE ROTATION	CODE
	M9910050
PLATE POSITION PINS	CODE
	28020250
PLATE POSITION MICRO-SWITCH	CODE
	28020200

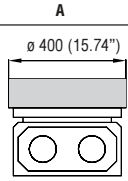
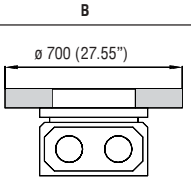
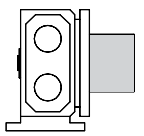
INITIAL SETTING



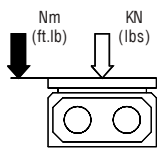
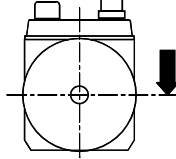
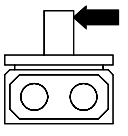
- Indexings change (TR.320 - TR.319):** when plate is stationary, press and hold button A, rotate wheel B and lock it with screw C.
- Plate speed (TR.320 - TR.319):** adjust knurled knob D.
- Plate damper:** set it by referring to dial E, on the damper.
- Lubrication:** through grease nipples F.



LIMIT LOAD ON PLATE

A	B	C
		
400 Kgs (883 lbs)	250 (551) 150 (331)	120 kgs (265 lbs)

LIMIT STRESSES ON PLATE (6 bar)

		
1400 Nm (1031 ft.lb) / 30 (6623) KN (lbs)	600 Nm (442 ft.lb)	600 Nm (442 ft.lb)

MOMENT OF INERTIA CALCULATION

$I = \text{moment of inertia } \text{kgm}^2 (\text{ft}^2 \cdot \text{lb}) - M = \text{mass kg (lbs)} - R, r, d = \text{radius m (ft)}$

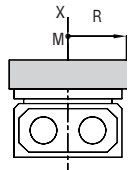
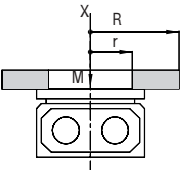
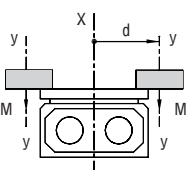
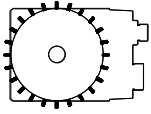
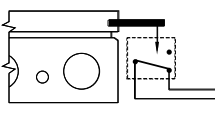
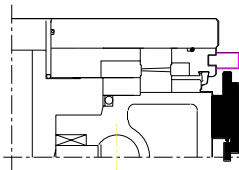
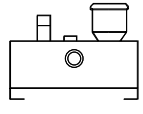
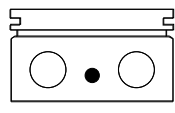
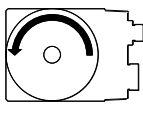
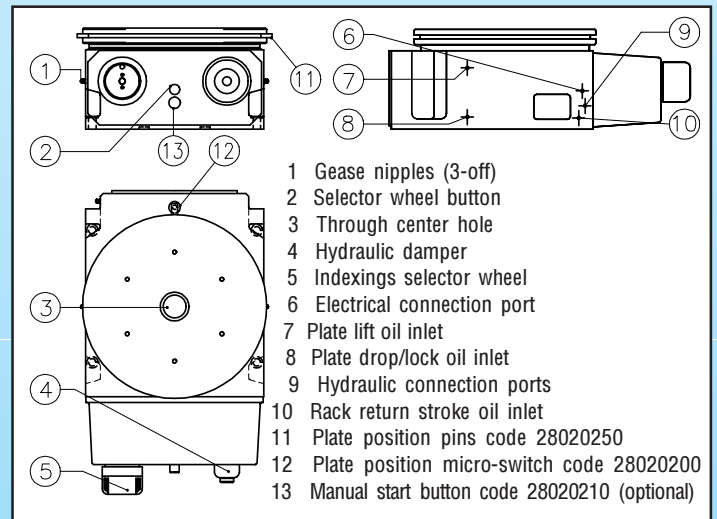
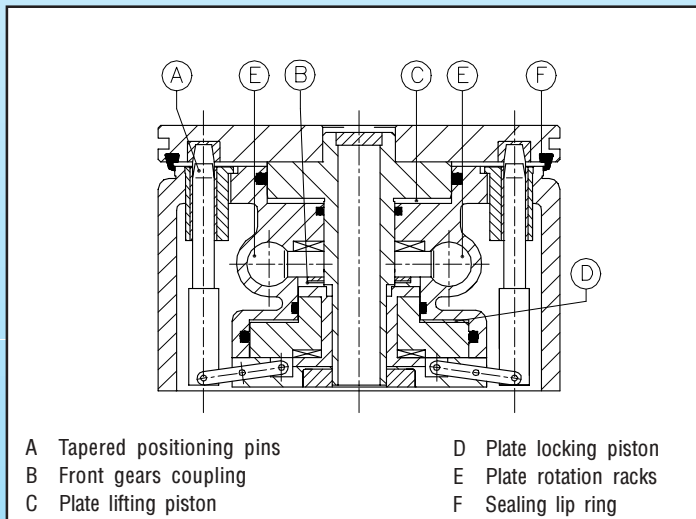
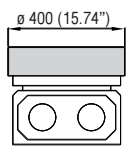
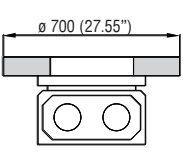
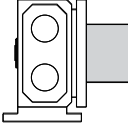
EVENLY DISTRIBUTED LOAD	RING TYPE LOAD DISTRIBUTION	FIXTURES LOADING
 $I = 1/2 \cdot M \cdot R^2$	 $I = 1/2 \cdot M \cdot (R^2 + r^2)$	 $I = M \cdot d^2 \cdot n^2$

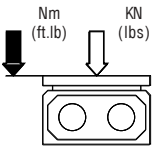
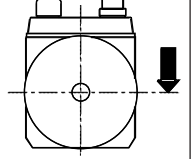
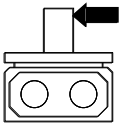
TABLE	CODE	INDEXINGS
QUICK STATION CHANGE		
T.RI.320.12	10535250	3-4-6-12
T.RI.320.24	10535252	3-4-6-8-12-24
T.RI.320.14	10535254	7-14
T.RI.320.18	10535256	3-6-9-18
T.RI.320.30	10535258	3-5-6-10-15-30
T.RI.320.10	10535300	3-4-5-6-8-10
STATION CHANGE WITH DISTANCE PIECES		
T.RI.315.12	10533030	3-4-6-12
T.RI.315.24	10533032	3-4-6-8-12-24
T.RI.315.14	10533034	7-14
T.RI.315.18	10533036	3-6-9-18
T.RI.315.30	10533038	3-5-6-10-15-30
T.RI.315.10	10533040	3-4-5-6-8-10

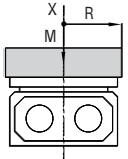
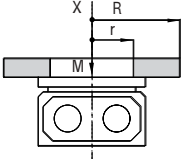
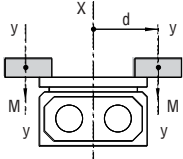
ACCESSORIES	
PLATE POSITION PINS	CODE
	28020250
PLATE POSITION MICRO-SWITCH	CODE
	28020200
	

ACCESSORIES	
HYDRAULIC POWER PACK	CODE
	Please consult engineering office
MANUAL START BUTTON	CODE
	28020210
ANTI-CLOCKWISE ROTATION	CODE
	M9910050



LIMIT LOAD ON PLATE		
		
T.RI.320 - 315	T.RI.320 - 315	T.RI.320 - 315
400 Kgs (883 lbs)	250 kgs (551 lbs)	120 kgs (265 lbs)

LIMIT STRESSES ON PLATE (25 bar)		
		
T.RI.320 - 315	T.RI.320 - 315	T.RI.320 - 315
1600 Nm (1180 ft.lb) / 30 kN (6623 lbs)	680 Nm (501 ft.lb)	680 Nm (501 ft.lb)

MOMENT OF INERTIA CALCULATION $I = \text{moment of inertia } \text{kgm}^2 (\text{ft}^2 \cdot \text{lb}) - M = \text{mas kg (lbs)} - R, r, d = \text{radius m (ft)}$		
EVENLY DISTRIBUTED LOAD	RING TYPE LOAD DISTRIBUTION	FIXTURES LOADING
		
$I = 1/2 \cdot M \cdot R^2$	$I = 1/2 \cdot M \cdot (R^2 + r^2)$	$I = M \cdot d^2 \cdot n^2$

The pneumatic table T.R.600 is an essential part of rotary transfer machines for machining operations where heavy and large components must be indexed.

The plate's drive is via single rack and pinion device and front gears coupling ensure a proper movement of the required load.

The plate is accurately positioned and held by two tapered pins fitting into diametrically opposite seats.

When stationary, the plate is pneumatically locked hard against the base to ensure that no vibration occurs during machining.

Plate's rotation speed is controlled in its full length by a pneumo-hydraulic unit.

The 600 mm (23.62") dia plate rotates after lifting 4 mm (.157").

Table configurations:

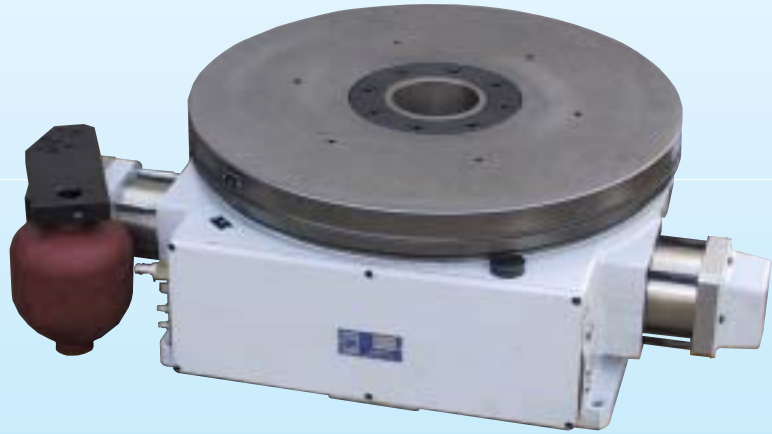
- pneumatically operated with electric controls = T.RPE.600

- pneumatically operated and controlled = T.RPP.600

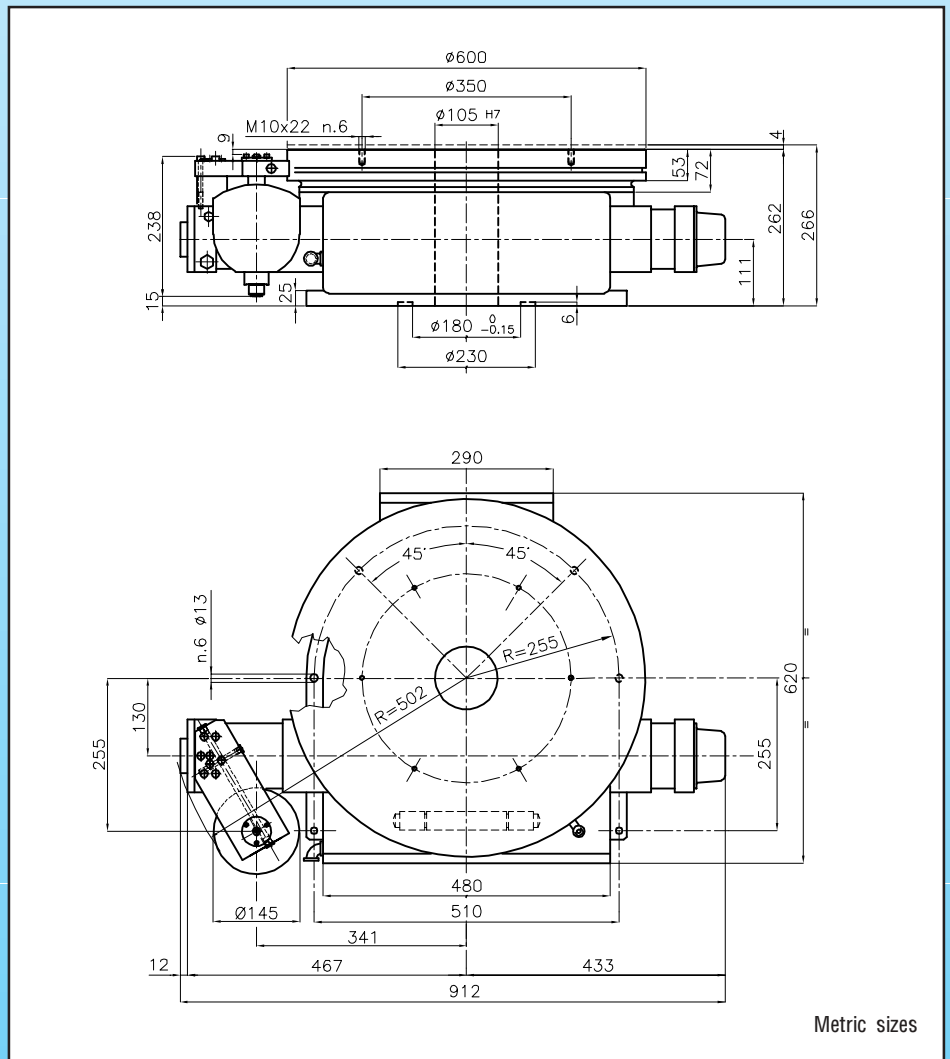
On model T.RPE.600, start of the table must be done through one 5/2 double solenoid valve.

T.RPP.600 model is fitted with manual start button as standard.

Please note the range of our standard accessories on the opposite page.

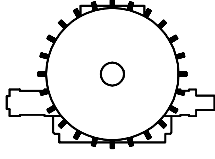
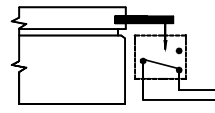


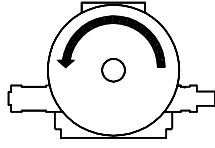
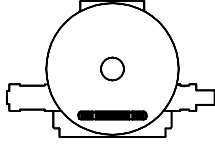
TECHNICAL FEATURES	
PLATE Ø/DIAMETER mm (inch)	600 (23.62")
DIRECTION OF ROTATION	CLOCK WISE
ANGULAR INDEXING ACCURACY	± 10"
INDEXING ACCURACY ON PLATE Ø/DIA mm (inch)	± 0.015 (± .00059")
PLATE TO BASE PARALLELISM mm (inch)	0.03 (.0012")
PLATE FLATNESS mm (inch)	0.03 (.0012")
PLATE LOCKING FORCE AT 6 bar (87 P.S.I.)	35400 N (7815 lbs)
PLATE DRIVING TORQUE AT 6 bar (87 P.S.I.)	350 Nm (258 ft.lb)
MAX MOMENT OF INERTIA kgm ² (ft ² .lb)	T.RPE 100 (237) T.RPP
WEIGHT Kgs (lbs)	280 (618)
STANDARD COLOUR-RAL	7035

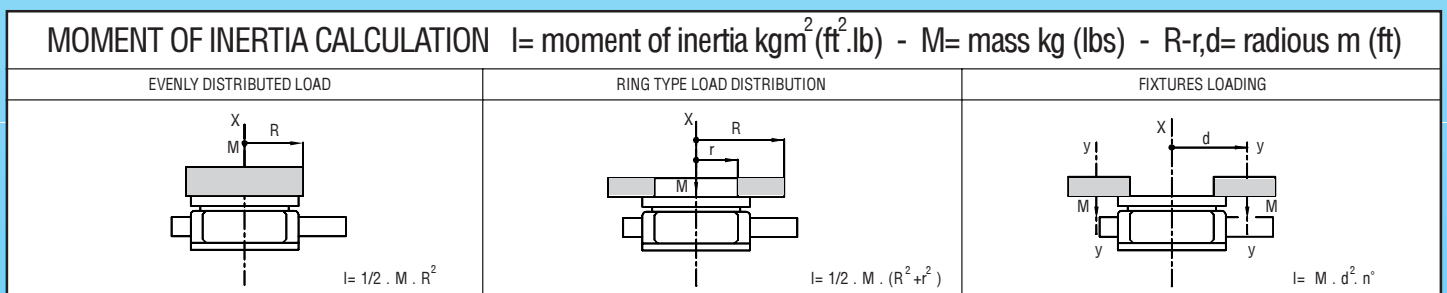
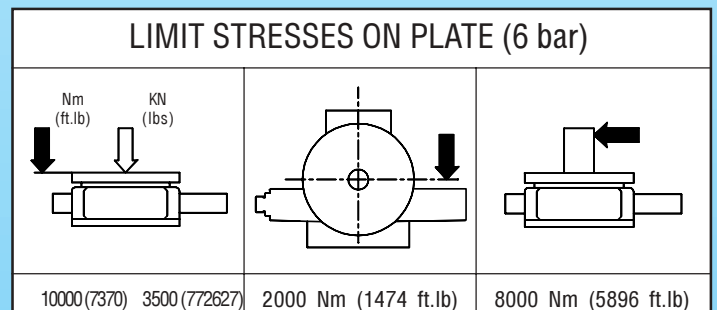
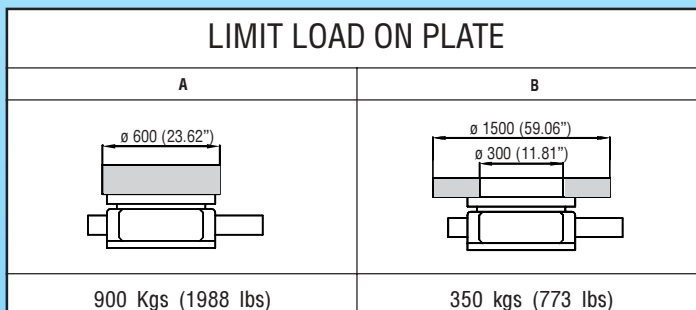
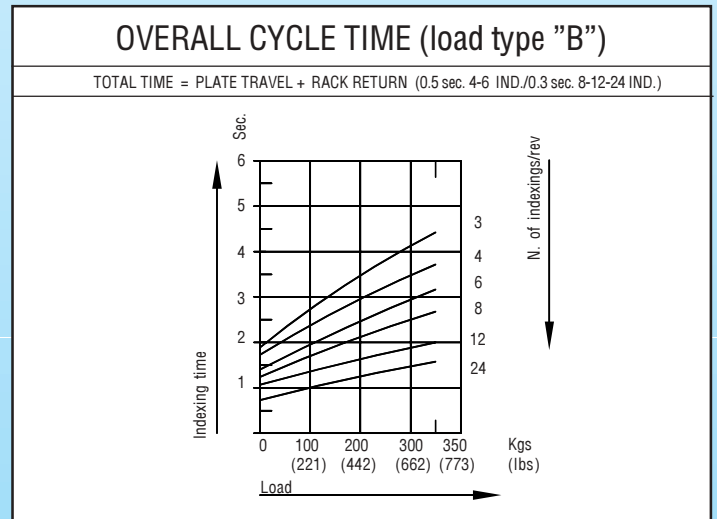
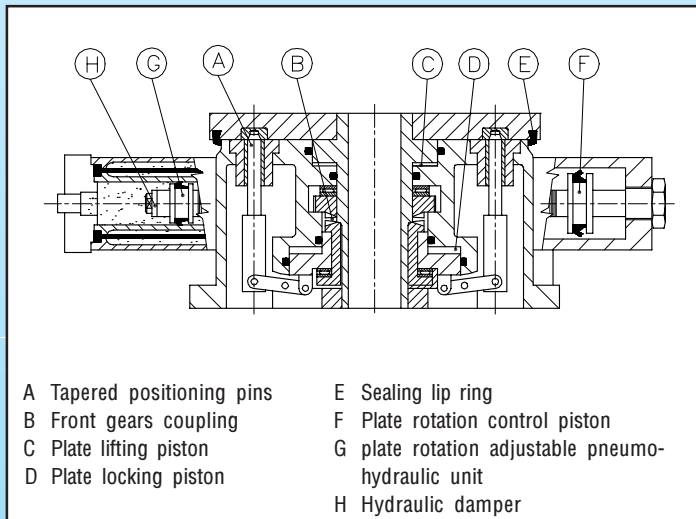


Metric sizes

TABLE		INDEXINGS
MODEL	CODE	STANDARD
T.RPE.600.24	10540035	3-4-6-8-12-24
T.RPE.600.10	10540010	5-10
T.RPE.600.14	10540020	7-14
T.RPE.600.16	10540025	4-8-16
<hr/>		
T.RPP.600.24	10540065	3-4-6-8-12-24
T.RPP.600.10	10540040	5-10
T.RPP.600.14	10540050	7-14
T.RPP.600.16	10540055	4-8-16

ACCESSORIES	
PLATE POSITION PINS	CODE
	28020250
<hr/>	
PLATE POSITION MICRO-SWITCH	CODE
	28020290

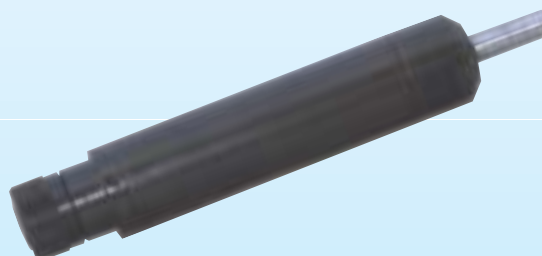
ACCESSORIES	
COUNTER-CLOCKWISE ROTATION	CODE
	M9910050
<hr/>	
FITTED SOLENOID VALVE	CODE
	28020220



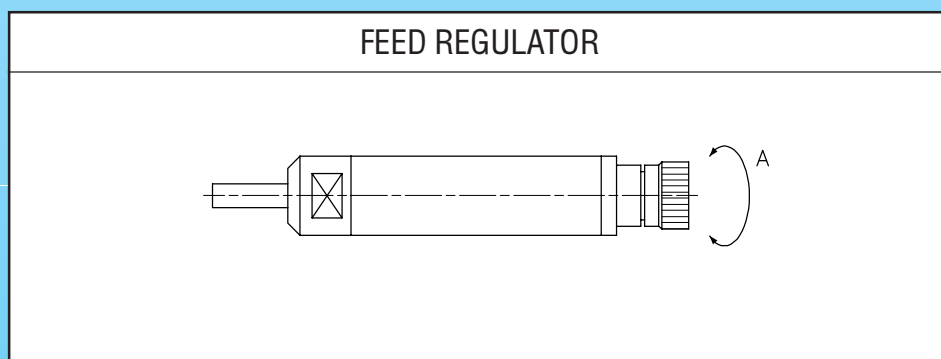
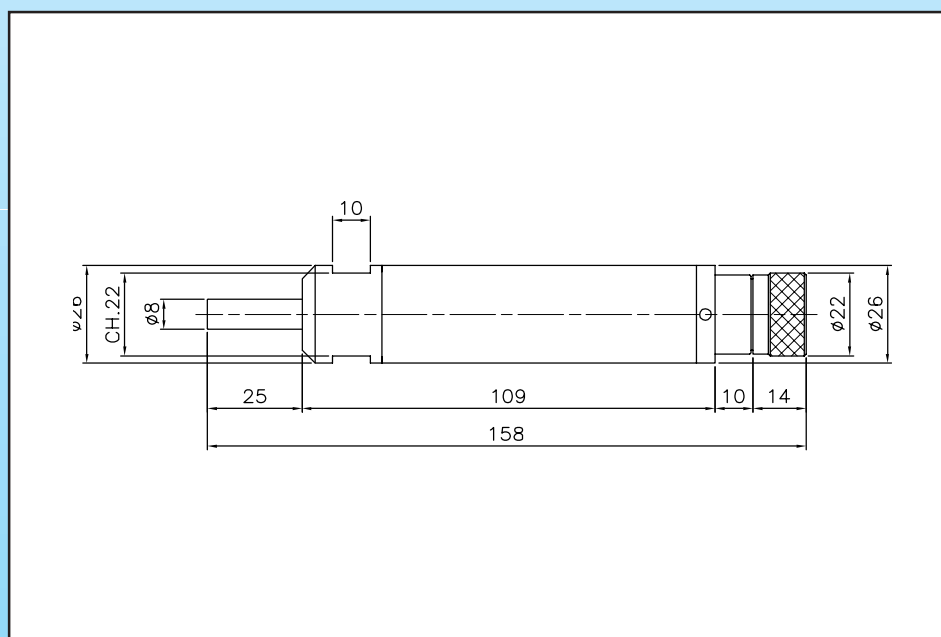
When stopping a moving load, you must guarantee that the mechanical/pneumatic/etc. components are not damaged. To do this in a proper way, a shock absorber or damper is far more valid an alternative than mere springs and cushions. The FR.25 pneumatic damper guarantees the indexing table comes to a soft and gentle arrest which is fundamental for precision positioning.

The FR.25 is offered on Indexing Table models 271-276-278-222.

The damper can be refilled using our oil E.KS.250 (code 44030020 for 1 lt.)



TECHNICAL FEATURES	
MODEL	FR.25
STROKE (mm)	25
MAX ENERGY PER CYCLE (Nm)	74
MAX ENERGY PER HOUR (Nm)	70000
MAX STOPPING FORCE (N)	4440
MAX THRUST (N)	1330
WEIGHT (g)	285
CODE	10620020



When stopping a moving load, you must guarantee that the mechanical/pneumatic/etc. components are not damaged. To do this in a proper way, a shock absorber or damper is far more valid an alternative than mere springs and cushions. The DE.20 pneumatic damper guarantees the indexing table comes to a soft and gentle arrest which is fundamental for precision positioning.

The DE.20 is offered on Indexing Table models 350-345-320-315.

The damper can be refilled using our oil E.KS.250 (code 44030020 for 1 lt.)



TECHNICAL FEATURES	
MODEL	DE.20
STROKE (mm)	25
MAX ENERGY PER CYCLE (Nm)	260
MAX ENERGY PER HOUR (Nm)	126000
MAX STOPPING FORCE (N)	13000
MAX THRUST (N)	2890
WEIGHT (g)	0.9
CODE	10620010

