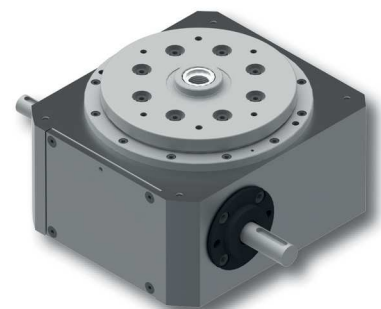


TAVOLE ROTANTI

ROTARY TABLES



ROTARY TABLES

La tavola rotante è un'unità meccanica ad assi ortogonali, in cui la rotazione continua impressa all'albero d'ingresso viene trasformata in rotazione intermittente al disco di uscita. Questo si realizza tramite l'accoppiamento di una camma, solidale all'albero d'ingresso, con un disco divisore portarulli solidale al disco di uscita. Il profilo della camma, il numero e la posizione dei rulli in essa trascinati, determinano il tipo di movimento realizzato. Il numero di divisioni (standard da 2 a 32, ma realizzabili a richiesta fino a 540) indica il numero di fermate effettuate dal disco durante un giro completo. Il tempo impiegato per ruotare di una stazione è direttamente proporzionale all'angolo di spostamento, mentre il tempo di sosta è direttamente proporzionale all'angolo di pausa. La forma compatta e robusta delle tavole rotanti Autorotor e la realizzazione sempre "su misura", consentono elevati standard di resa; massimi carichi assiali e radiali; non richiedono manutenzione e mantengono nel tempo altissimi livelli di precisione, grazie al controllo costante della camma.

Applicazione

Le tavole rotanti sono diffuse ed applicate su attrezzature quali:

- Sistemi di assemblaggio
- Linee di confezionamento
- Attrezzature di produzione
- Macchine di saldatura automatica
- Dispositivi di trasporto
- Isole di lavorazione
- Macchine di imbottigliamento
- Macchine di stampa

Vantaggi

I principali vantaggi sono:

- Movimento veloce e progressivo interamente controllato
- Regolarità di funzionamento anche ad alta frequenza
- Posizione di arresto autobloccata
- Alta ripetibilità
- Manutenzione minima
- Minima potenza installata
- Possibilità di utilizzare camme a movimento continuo, azionate tramite servomotori

The rotary tables are mechanical units with orthogonal axes, where the continuous rotation of the input shaft results in the conversion into an intermittent rotation of the output disc. This is accomplished by mounting the cam to the input shaft and then an indexing disc holding the cam follower integrated with the output disc. The profile of the cam and number of cam follower bearings applied determine the type of index movement that occurs. The number of stations (2 to 32 with the possibility up to 540 stations) will be determined by the mechanism according to the customer's requirements. The index time from station to station is directly proportional to the cam angle and the input RPM. The compact and robust structure of the Autorotor index tables, along with the tailoring of requirements with all the higher standards of performance, high axial as well as the radial load capacities is a standard for Autorotor. The Autorotor index table is maintenance free and over the time the highest levels of accuracy occurs due to the acceleration and deceleration of the indexing disc through the displacement generated by the cam and the fact that there is an absence of backlash.

Application

Indexing tables are generally mounted on:

- Assembling machines
- Packing equipments
- Manufacturing equipments
- Automated welding machines
- Movement devices
- Machining isles
- Filling machines
- Printing machines

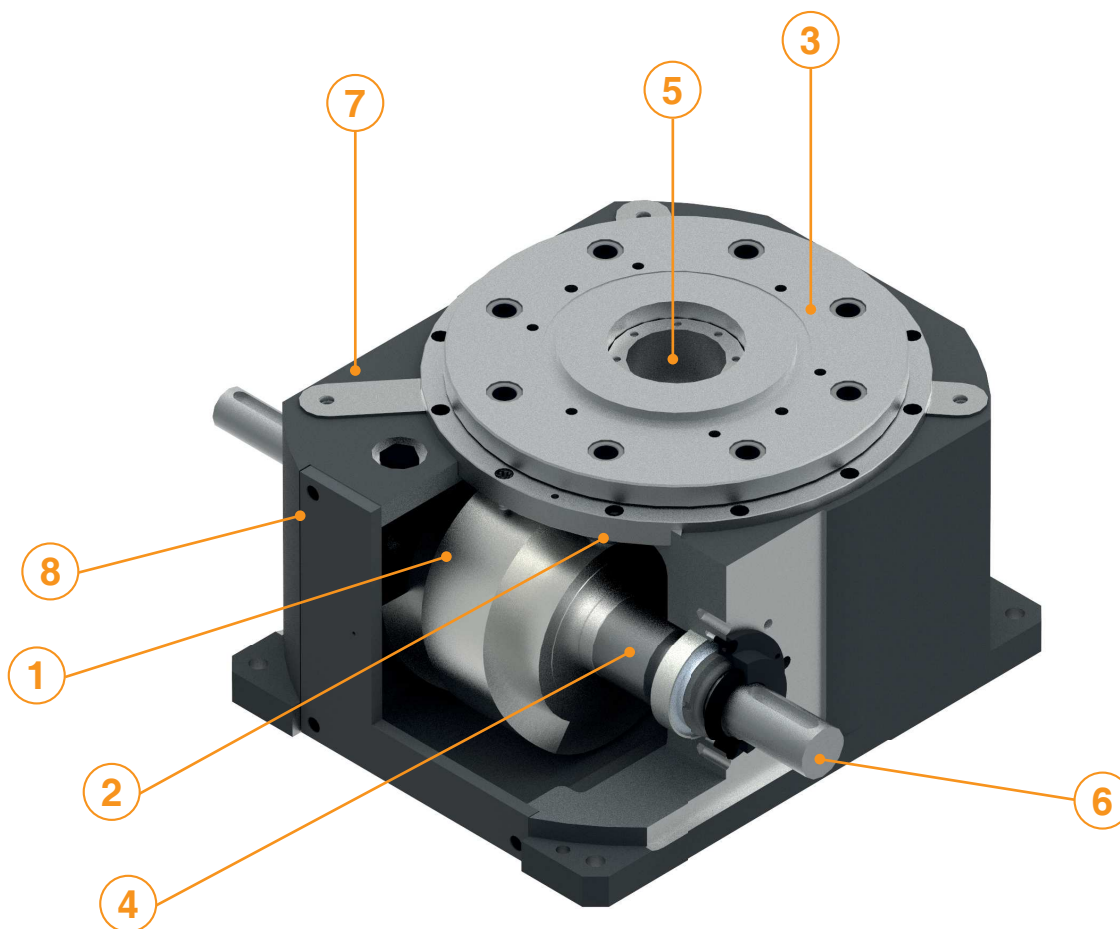
Advantages

The main pros are:

- High speed continuous and totally controlled displacement
- Smooth running also at high frequency
- Self-locking in dwell position
- High repeatability
- Low maintenance
- Low installed power
- Possibility of using continuously moving cams, driven by servomotors

Caratteristiche della tavola

Rotary index table feature



- 1** **Camma in acciaio legato e trattato**
High tensile steel cam with hardened and round profiles
- 2** **Rulli speciali a sezione maggiorata – assorbono rigidamente carichi elevati**
Oversize section cam followers – They bear a rigid high load
- 3** **Disco divisore – rulli montati nella parte inferiore**
Indexing disk – Followers mounted on the lower plane
- 4** **Albero rotante portacamma su cuscinetti contrapposti a rulli conici**
Input power cam shaft on opposite conical roller bearings
- 5** **Foro centrale passante**
Central hollowed fix hub
- 6** **Albero in entrata con linguetta**
Input power shaft with keyway
- 7** **Superfici di appoggio piane lavorate a macchina**
Machined planes for flat contact
- 8** **Cassa prismatica in ghisa a tenuta (lubrificazione con grasso permanente)**
Sealed cast iron case (long life grease lubrication)

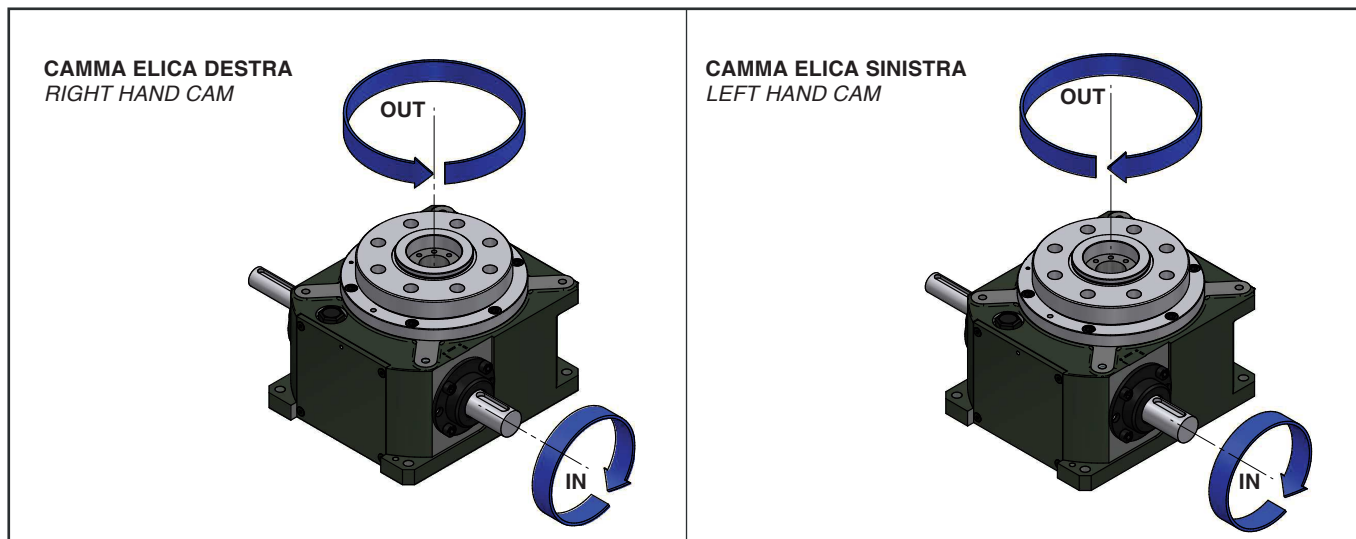
Senso di rotazione

Rotation direction

La tavola rotante in esecuzione standard è fornita con camma ad elica **destra**. La rotazione **oraria** dell'albero in entrata genera una rotazione intermittente **antioraria** in uscita (vedi figura "a" sotto). Per avere la direzione contraria è sufficiente invertire il moto all'ingresso. Con camma ad elica **sinistra** e rotazione **oraria** in ingresso si ha l'uscita in senso **orario** (vedi figura "b" sotto).

Standard rotare index table is supplied with **right hand cam**. Clockwise rotation at inlet is transformed into **counterclockwise** intermittent rotation at outlet (see picture below "a").

With **left hand cam** and **clockwise** rotation at inlet we have intermittent **clockwise** at outlet (see picture "b" below).



Riferimenti di fase

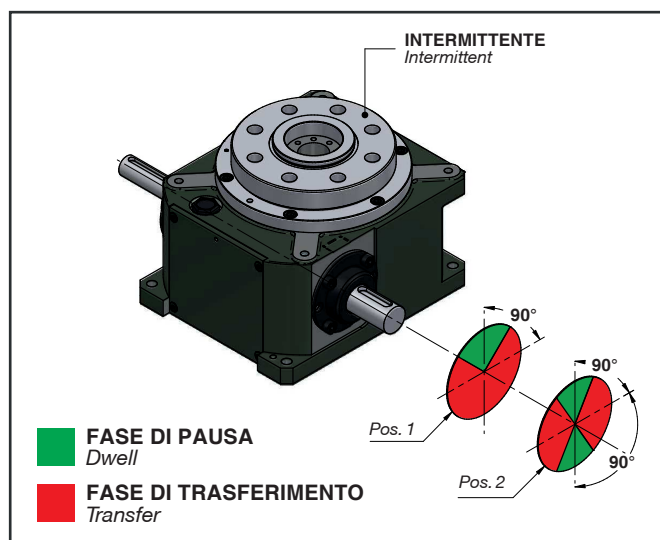
Referring to set point

L'albero portacamma di una tavola rotante standard è dotato di una linguetta che può essere utilizzata come riferimento di fase.

Quando questa è in posizione superiore, a 90° rispetto al piano d'appoggio, il meccanismo è situato a metà del periodo di pausa (pos 1 fig. a lato). In caso di tavola rotante con camma a

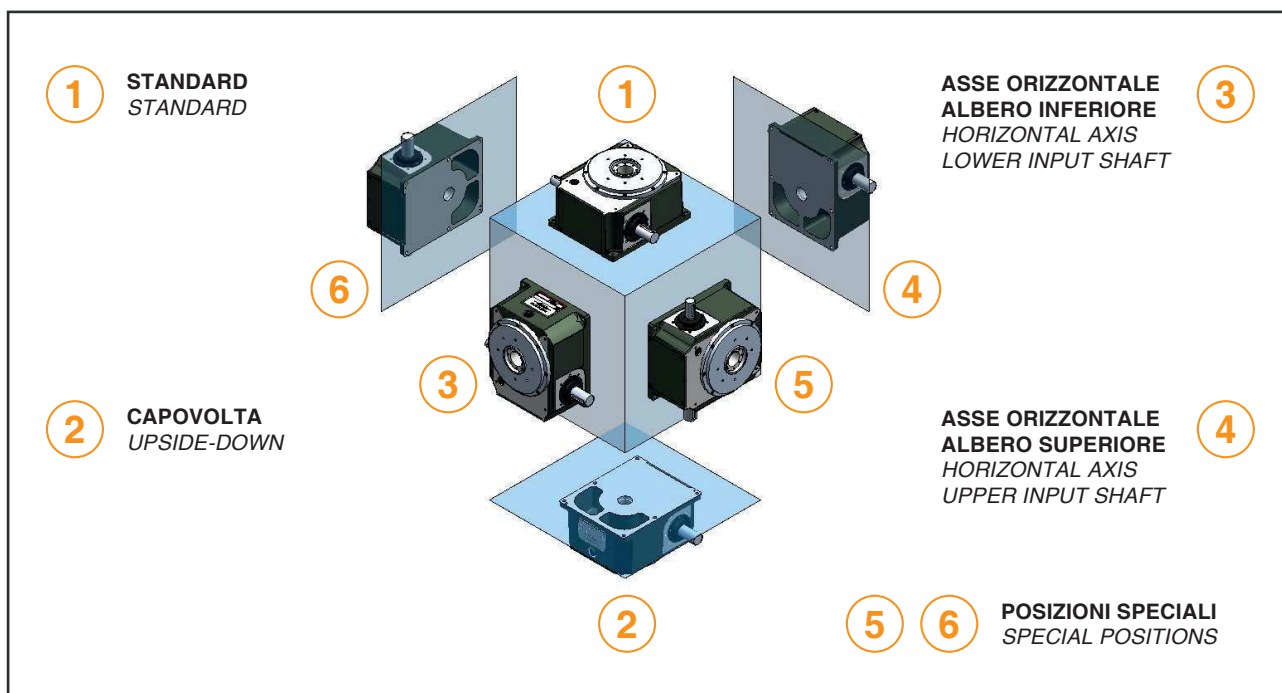
doppio profilo, quando la linguetta è in posizione superiore o inferiore, a 90° rispetto al piano d'appoggio, il meccanismo è situato a metà del periodo di pausa. In questo caso il disco intermittente esegue due spostamenti e due pause con un solo giro dell'albero in ingresso (pos 2 fig. a lato).

Rotating cam holder shaft of a standard rotaty indexing table is equipped with a keyway which can be used as set point reference. When the keyway is in upper position, 90° to the table base, the indexing mechanism is exactly in the middle of the dwell (see side-pict. pos. 1). In case of indexing table with double profile cam, when the keyway is in upper or lower position, 90° to the table base, the indexing mechanism is exactly located in the middle of the dwell. In this particular case the output intermittent disk performs two transfers and two dwells with only one rotation of the inlet power camshaft (see sidepict pos. 2).



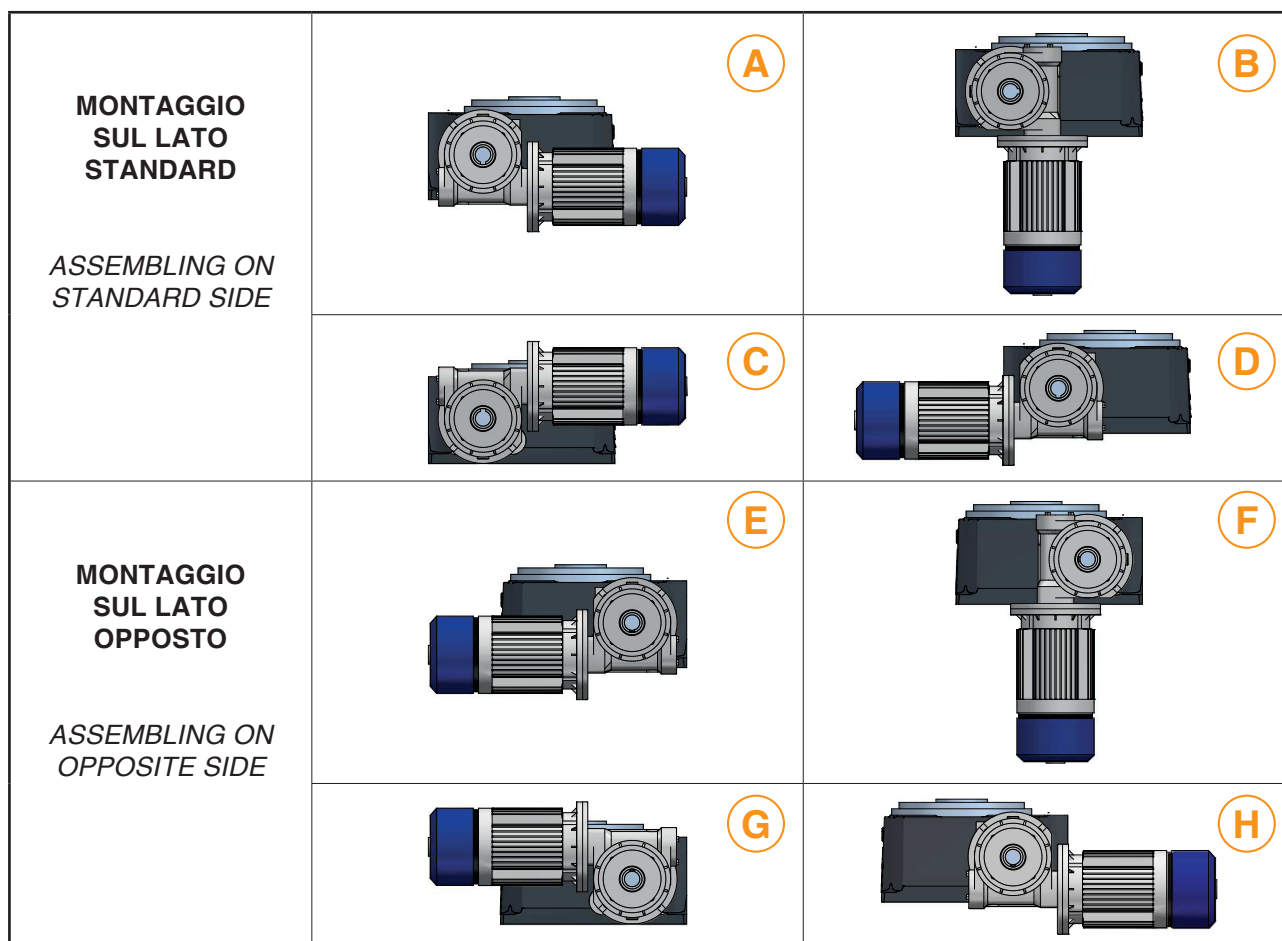
Posizione di lavoro tavola rotante

Index table operating position



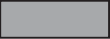

Posizione di montaggio unità motrice

Power drive unit assembling position



Rotary index table

Divisore Indexer	Divisioni Stations	Profilo camma Cam profiles	Angoli impegnati per lo spostamento Cam rotation angle performing the transfer movements															
			90	120	150	180	210	240	270	300	315	330						
T 07	2	1																
	3																	
	4																	
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	24																	
	28																	
	30																	
32																		
36																		

-  **ANGOLI DI CAMMA REALIZZABILI**
FEASIBLE CAM TRANSFER ANGLES
-  **ANGOLI DI CAMMA REALIZZABILI CON CONTROLLO TECNICO AUTOROTOR**
CAM TRANSFER ANGLES FEASIBLE UNDER AUTOROTOR TECHNICAL SUPERVISION

Tolleranza Tavole Rotanti

Tolerances of Rotary Index Tables

Tolleranza di ripetibilità / Repeatability tolerance:

- R : 27,5 mm
- **Standard:** ±0,015 mm
- **Special:** ±0,010 mm

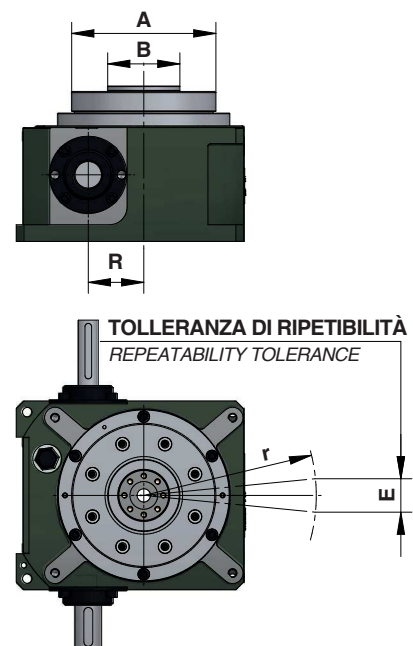
Ripetibilità - Repeatability E (+/- mm)	R = 27,5	R = 50	R = 100
Standard	0,015	0,027	0,055
Special	0,010	0,018	0,036

Planarità disco / Disc flatness:

- A: 75,5 mm
- **Total:** 0,010 mm

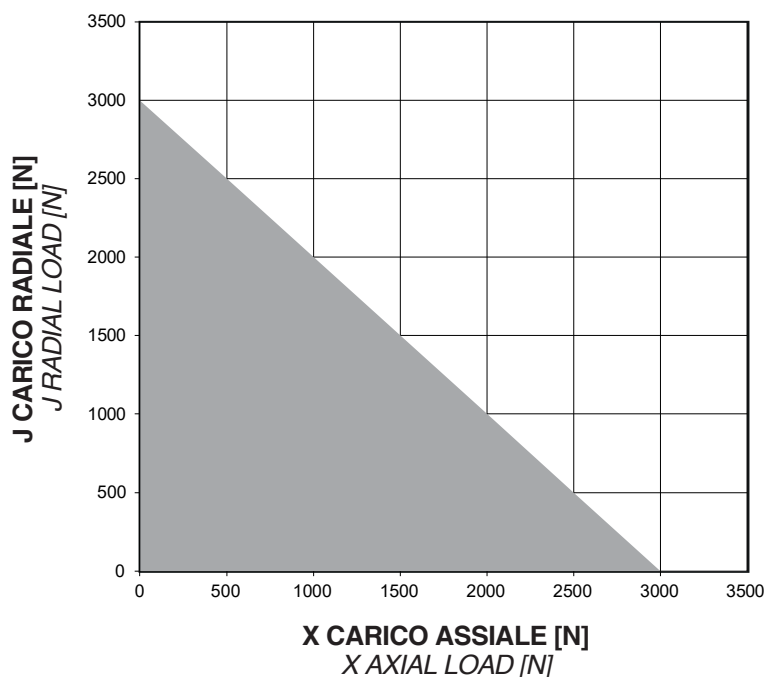
Eccentricità disco / Disc eccentricity:

- B: 25 mm
- **Total:** 0,010 mm

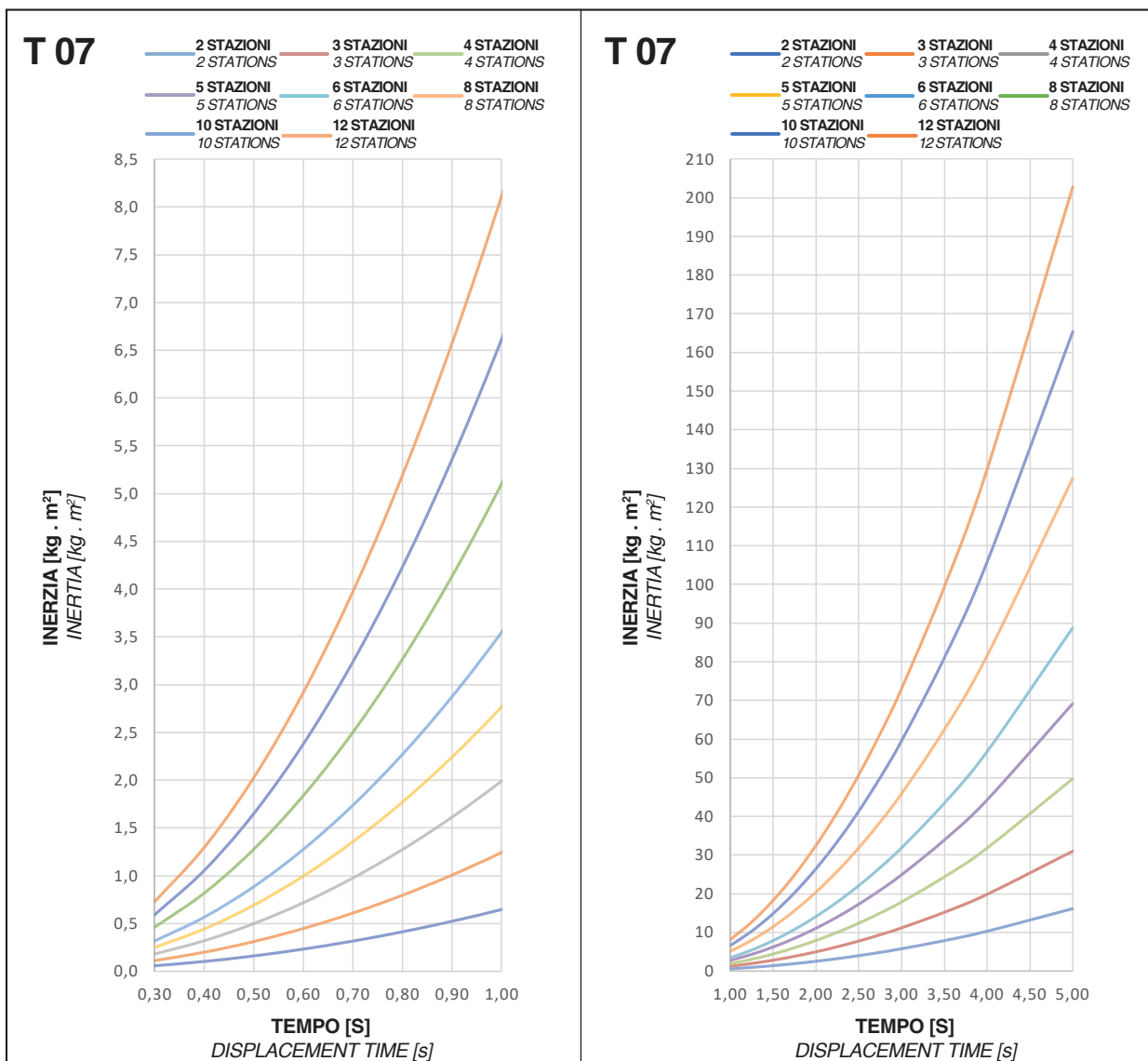


Carichi assiali e radiali

Max axial and radial loads



T 07



IL GRAFICO È INDICATIVO, PER IDENTIFICARE UN CORRETTO DIMENSIONAMENTO, CONSIGLIAMO DI RICHIEDERE UN CALCOLO DEDICATO AL NOSTRO UFFICIO TECNICO
 THE GRAPH IS INDICATIVE, TO IDENTIFY A CORRECT SIZING, WE RECOMMEND REQUESTING A DEDICATED CALCULATION FROM OUR TECHNICAL DEPARTMENT

ROTARY TABLES

Axial and radial loads

TIPO TAVOLA <i>Type Table</i>	Carichi massimi sul disco rotante Max load on indexing disk			
	combinati <i>combined</i>		momenti <i>torque</i>	
	assiale <i>axia</i> X	radiale <i>radial</i> J	ribaltante <i>overturning</i> Yr	in pausa <i>in dwell</i> Mp
	N		Nm	
T 07	3000	3000	100	80

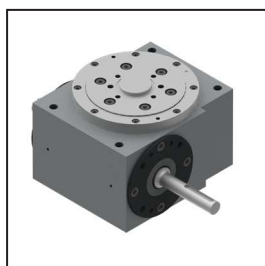
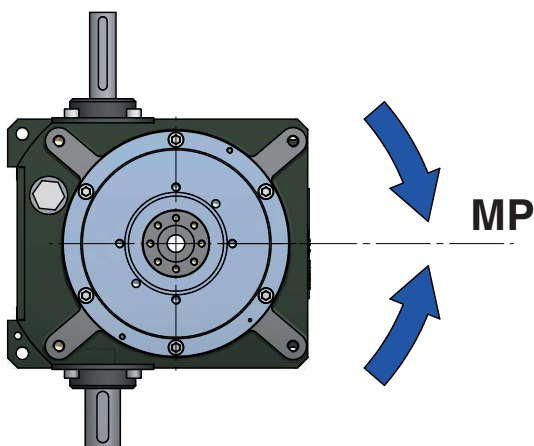
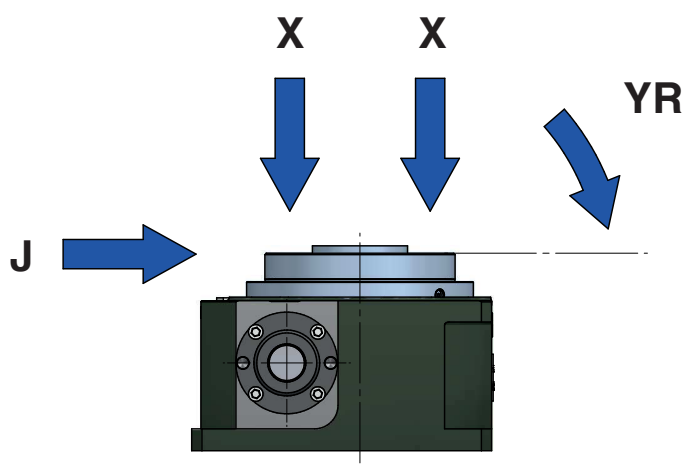
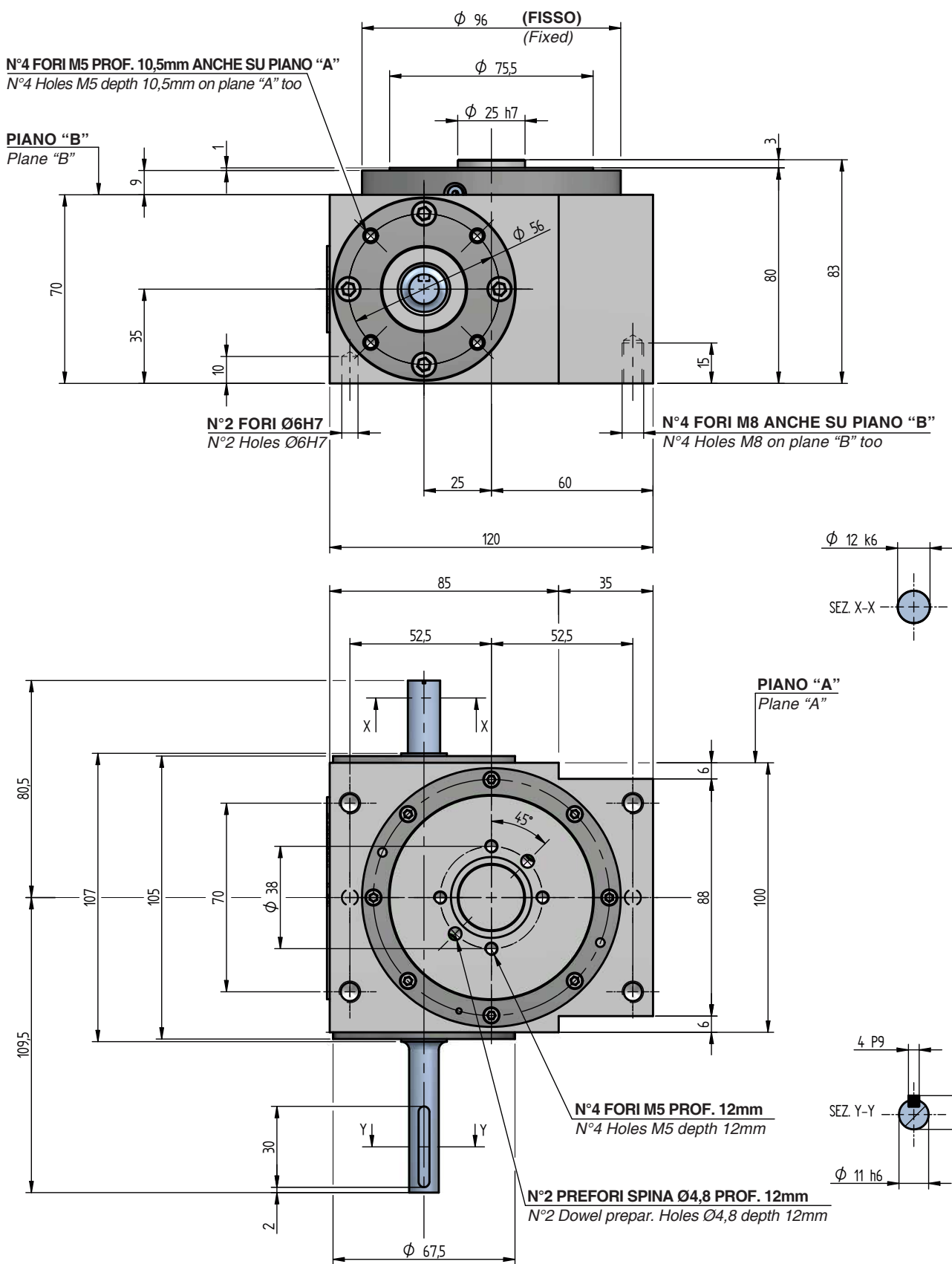


Tavola rotante

Rotary Index table



T07



Rotary index table

Divisore Indexer	Divisioni Stations	Profilo camma Cam profiles	Angoli impegnati per lo spostamento Cam rotation angle performing the transfer movements											
			90	120	150	180	210	240	270	300	315	330		
			T 10											
	2	1												
	3													
	4													
	5													
	6													
	7													
	8													
	9													
	10													
	12													
	14													
	15													
	16													
	18													
	20													
	24													
	28													
	30	3												
	32	2												
	36	3												

- ANGOLI DI CAMMA REALIZZABILI**
FEASIBLE CAM TRANSFER ANGLES
- ANGOLI DI CAMMA REALIZZABILI CON CONTROLLO TECNICO AUTOROTOR**
CAM TRANSFER ANGLES FEASIBLE UNDER AUTOROTOR TECHNICAL SUPERVISION

Tolleranza Tavole Rotanti

Tolerances of Rotary Index Tables

Tolleranza di ripetibilità / Repeatability tolerance:

- **R** : 37.5 mm
- **Standard**: ±0,015 mm
- **Special**: ±0,010 mm

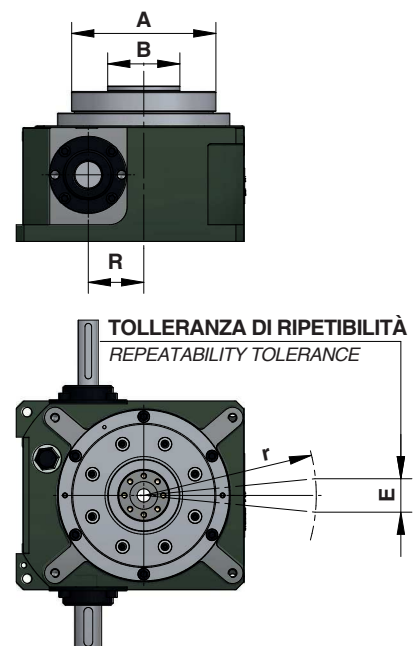
Ripetibilità - Repeatability E (+/- mm)	R = 37,5	R = 70	R = 150
Standard	0,015	0,028	0,060
Special	0,010	0,019	0,040

Planarità disco / Disc flatness:

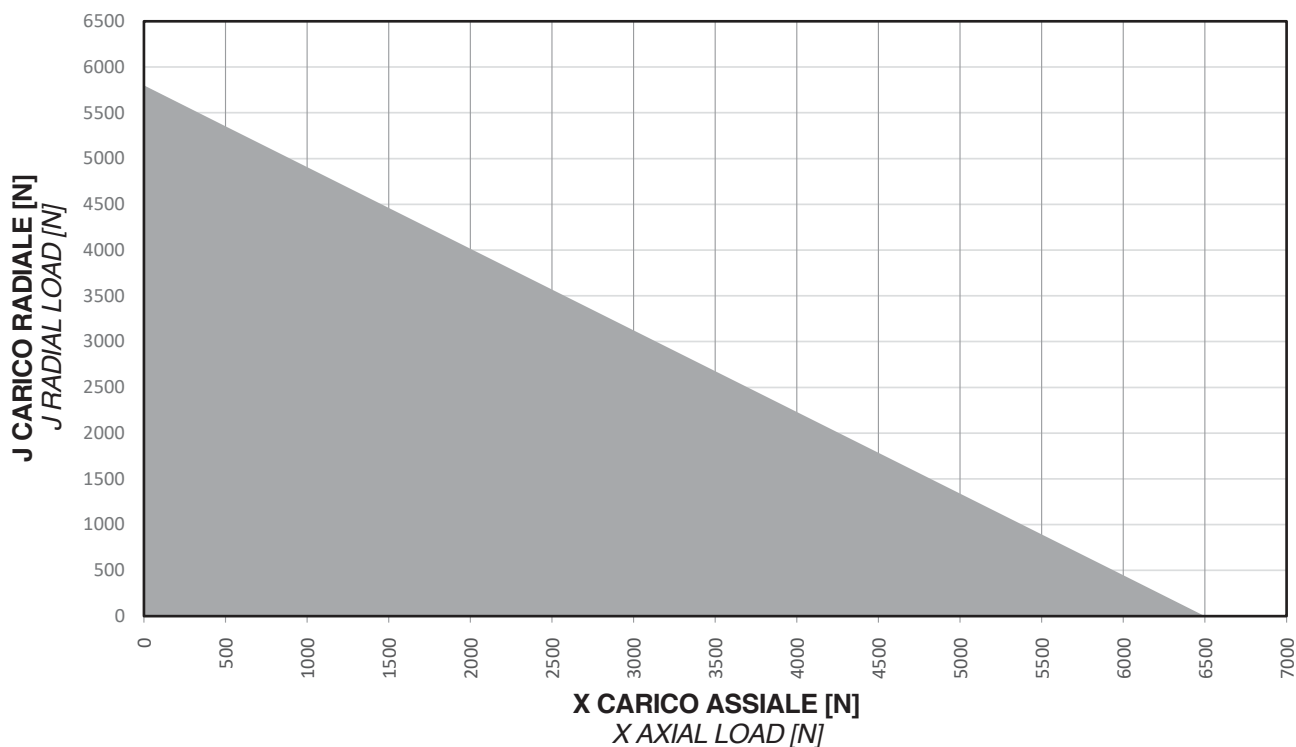
- **A**: 120 mm
- **Total**: 0,010 mm

Eccentricità disco / Disc eccentricity:

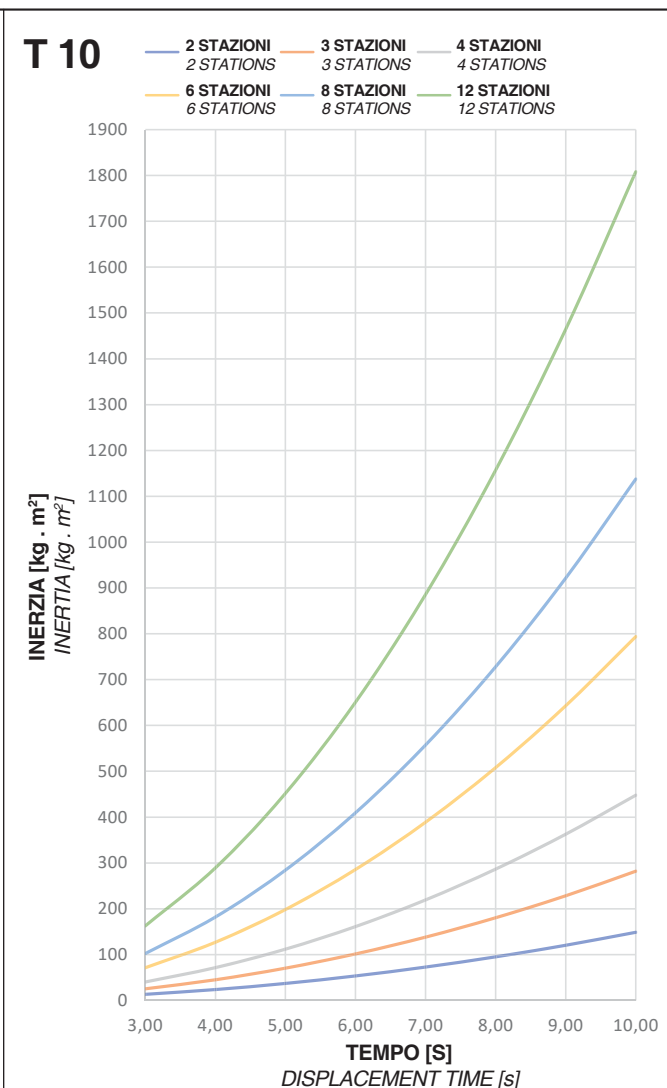
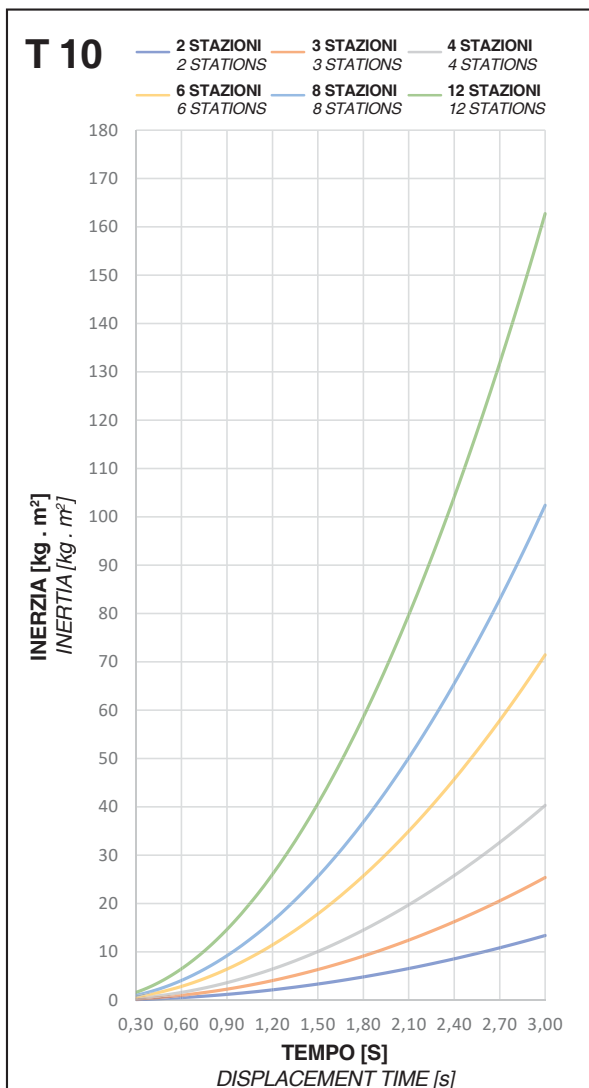
- **B**: 30 mm
- **Total**: 0,010 mm



Max axial and radial loads



T10



IL GRAFICO È INDICATIVO, PER IDENTIFICARE UN CORRETTO DIMENSIONAMENTO, CONSIGLIAMO DI RICHIEDERE UN CALCOLO DEDICATO AL NOSTRO UFFICIO TECNICO
 THE GRAPH IS INDICATIVE, TO IDENTIFY A CORRECT SIZING, WE RECOMMEND REQUESTING A DEDICATED CALCULATION FROM OUR TECHNICAL DEPARTMENT

Axial and radial loads

TIPO TAVOLA <i>Type Table</i>	Carichi massimi sul disco rotante Max load on indexing disk			
	combinati <i>combined</i>		momenti <i>torque</i>	
	assiale <i>axia</i> X	radiale <i>radial</i> J	ribaltante <i>overturning</i> Yr	in pausa <i>in dwell</i> Mp
	N		Nm	
T 10	6500	5800	150	120

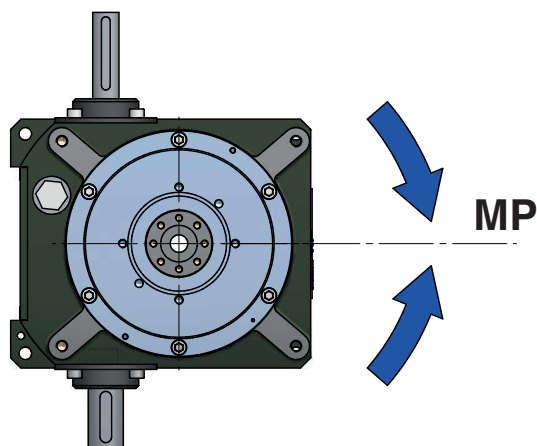
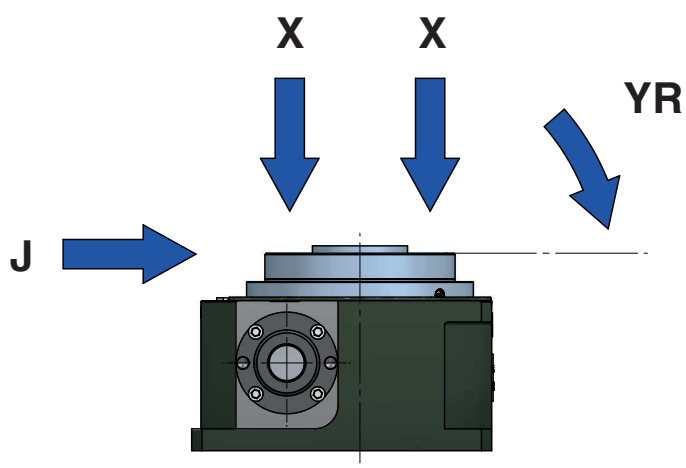
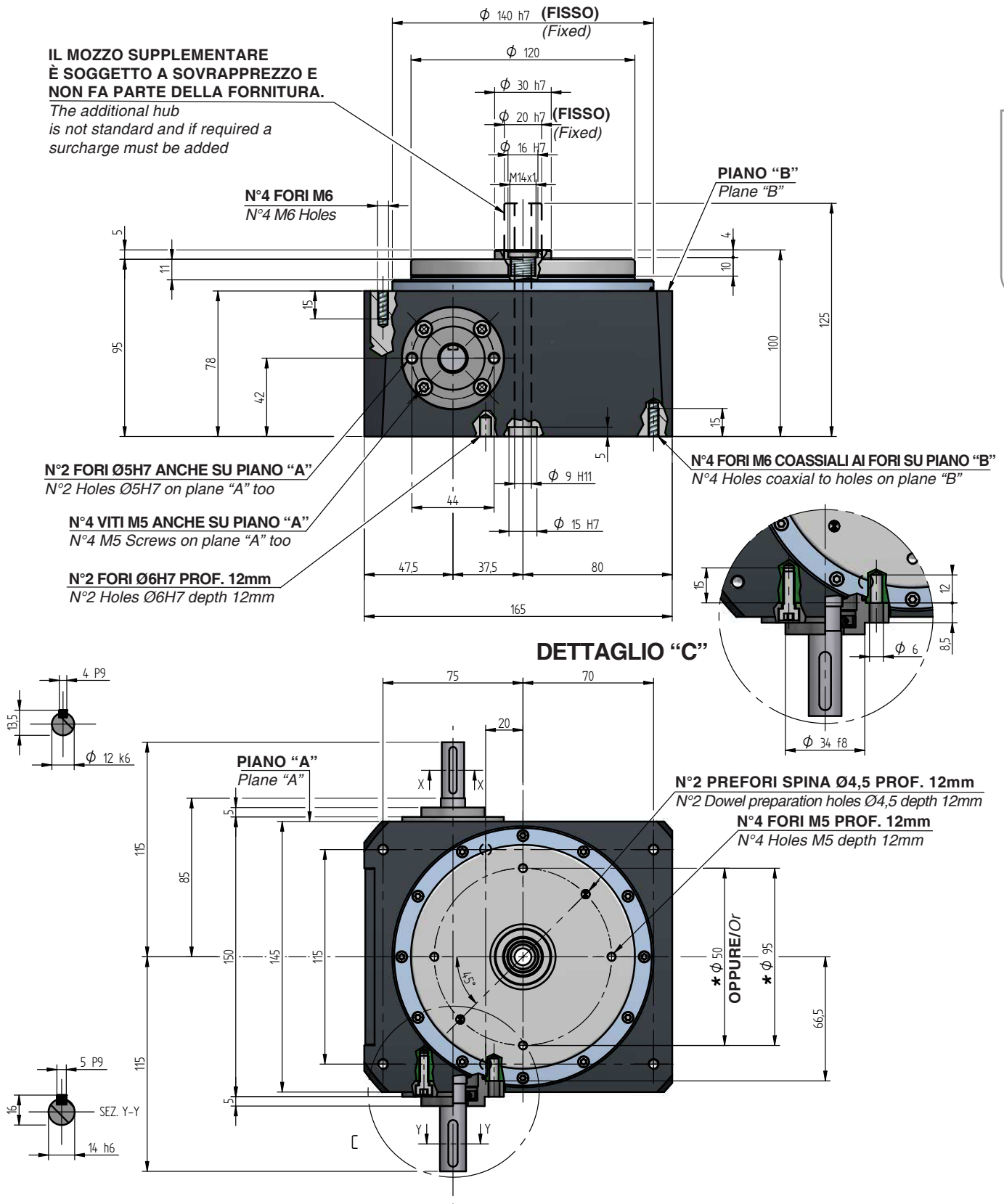


Tavola rotante

Rotary Index table

T10



*** PER LA SCELTA DELL'INTERASSE DI FORATURA
CONSULTARE L'UFFICIO TECNICO**
To select bolt holes circle please contact our technical office

KG 9,5 kg

ROTARY TABLES

Rotary index table

Divisore Indexer	Divisioni Stations	Profilo camma Cam profiles	Angoli impegnati per lo spostamento Cam rotation angle performing the transfer movements												
			90	120	150	180	210	240	270	300	315	330			
			T 15												
	2	1													
	3														
	4														
	5														
	6														
	7														
	8														
	9														
	10														
	12														
	14														
	15														
	16														
	18														
	20														
	24														
	28														
	30														
	32														
	36														

- ANGOLI DI CAMMA REALIZZABILI**
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- ANGOLI DI CAMMA REALIZZABILI CON CONTROLLO TECNICO AUTOROTOR**
CAM TRANSFER ANGLES FEASIBLE UNDER AUTOROTOR TECHNICAL SUPERVISION

Tolleranza Tavole Rotanti

Tolerances of Rotary Index Tables

Tolleranza di ripetibilità / Repeatability tolerance:

- R : 50 mm
- **Standard:** ±0,015 mm
- **Special:** ±0,010 mm

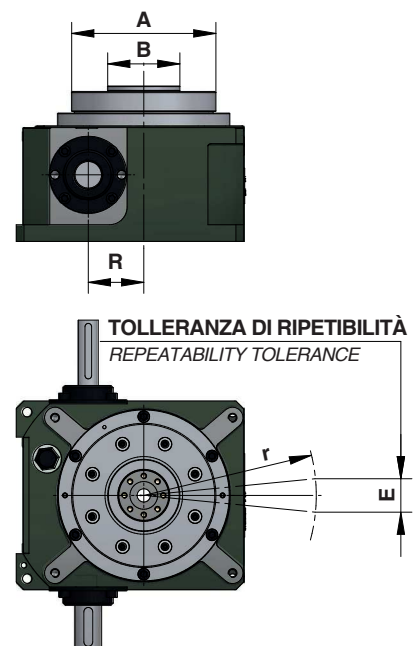
Ripetibilità - Repeatability E (+/- mm)	R = 50	R = 100	R = 200
Standard	0,015	0,030	0,060
Special	0,010	0,020	0,040

Planarità disco / Disc flatness:

- **A:** 130 mm
- **Total:** 0,010 mm

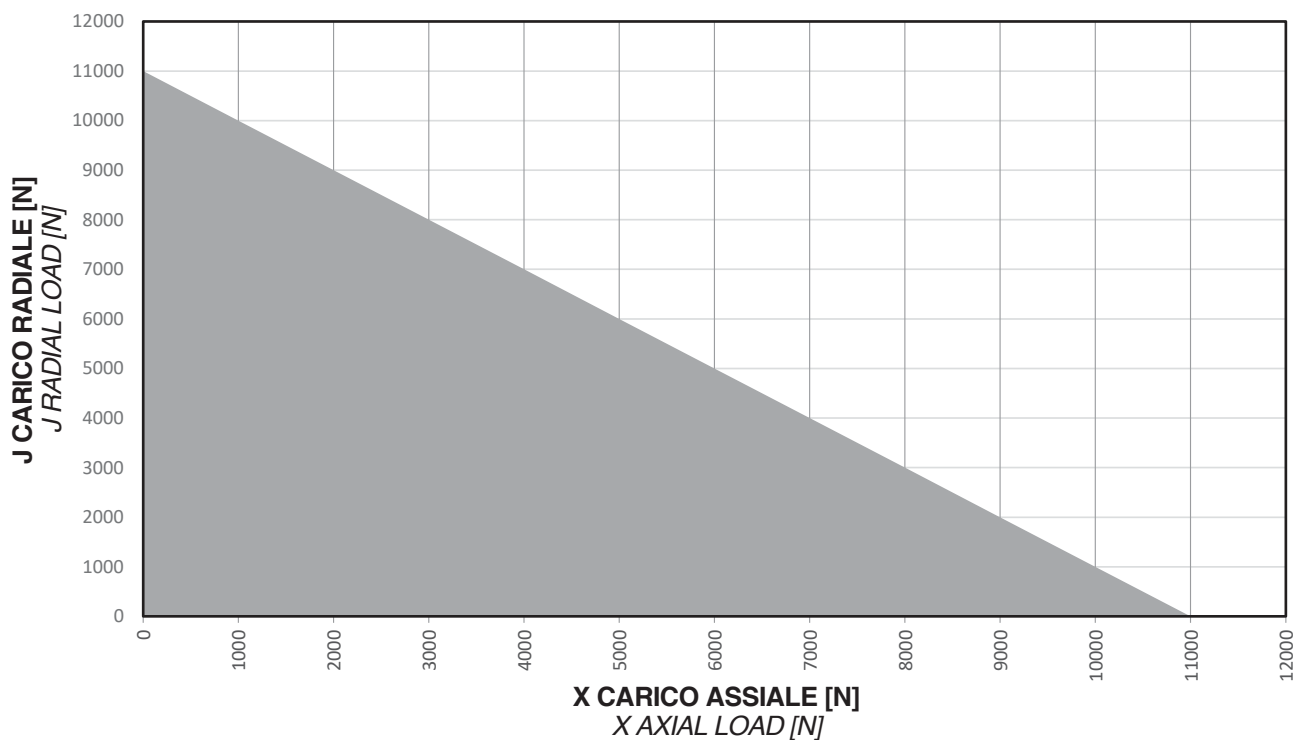
Eccentricità disco / Disc eccentricity:

- **B:** 65 mm
- **Total:** 0,010 mm

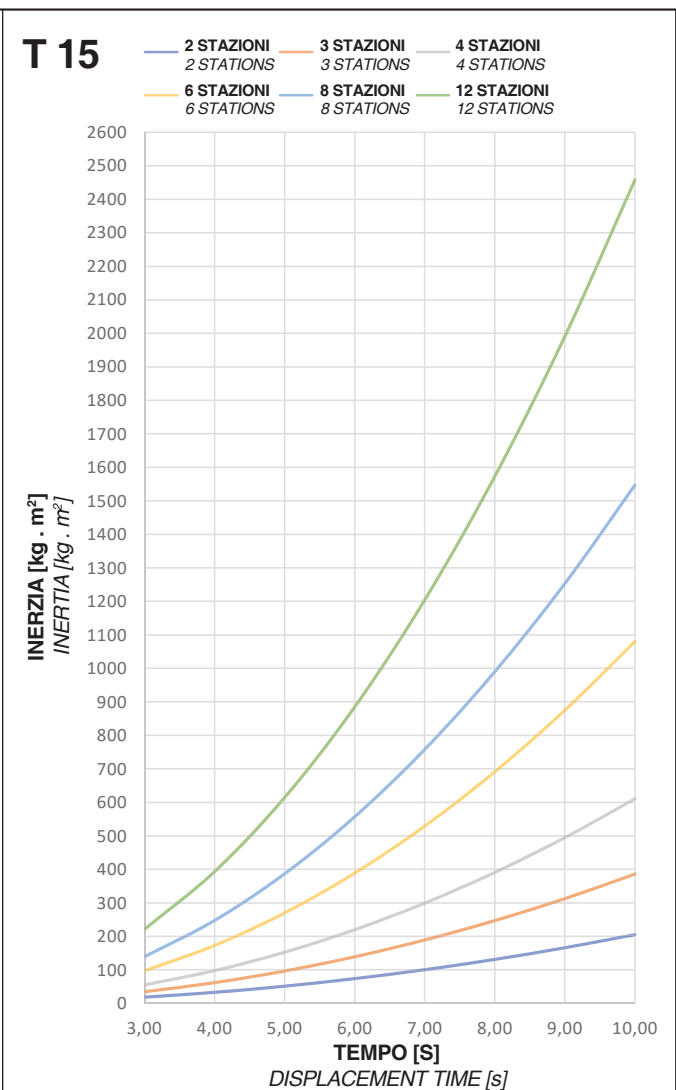
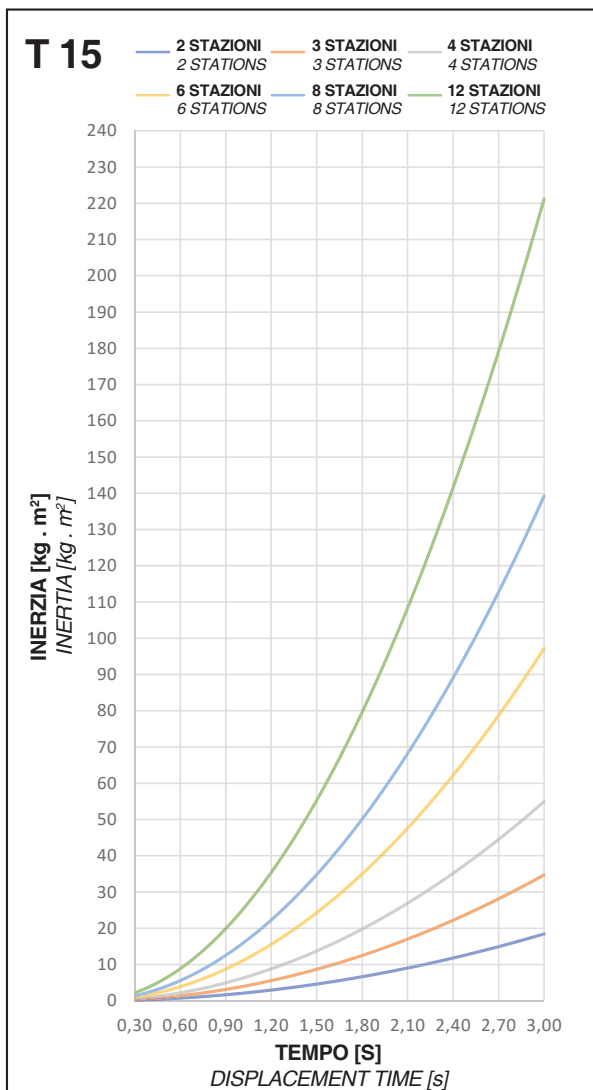


Carichi assiali e radiali

Max axial and radial loads



T 15



IL GRAFICO È INDICATIVO, PER IDENTIFICARE UN CORRETTO DIMENSIONAMENTO, CONSIGLIAMO DI RICHIEDERE UN CALCOLO DEDICATO AL NOSTRO UFFICIO TECNICO
 THE GRAPH IS INDICATIVE, TO IDENTIFY A CORRECT SIZING, WE RECOMMEND REQUESTING A DEDICATED CALCULATION FROM OUR TECHNICAL DEPARTMENT

ROTARY TABLES

Axial and radial loads

TIPO TAVOLA <i>Type Table</i>	Carichi massimi sul disco rotante Max load on indexing disk			
	combinati <i>combined</i>		momenti <i>torque</i>	
	assiale <i>axia</i> X	radiale <i>radial</i> J	ribaltante <i>overturning</i> Yr	in pausa <i>in dwell</i> Mp
	N		Nm	
T 15	11000	11000	250	280

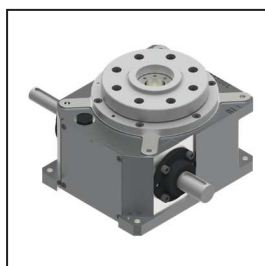
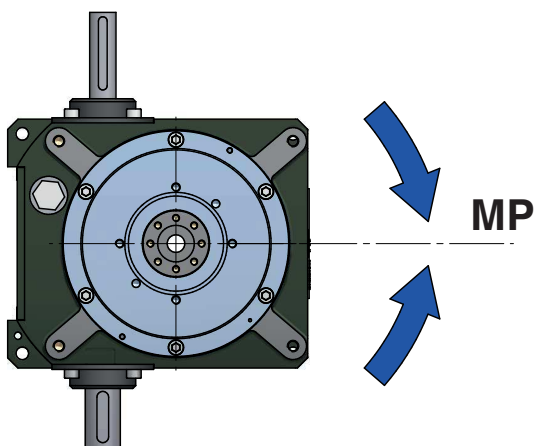
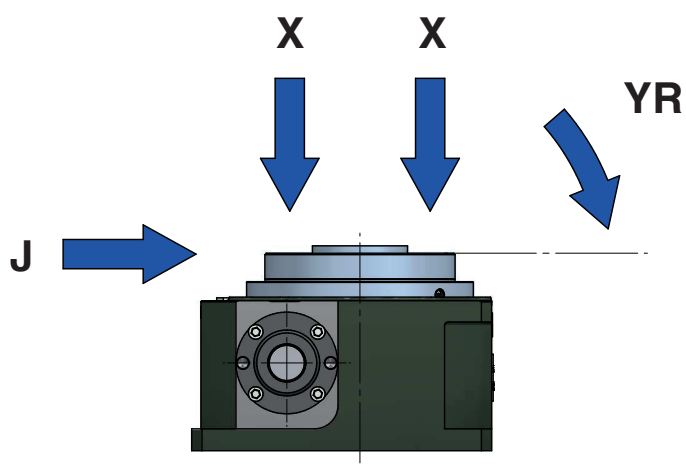
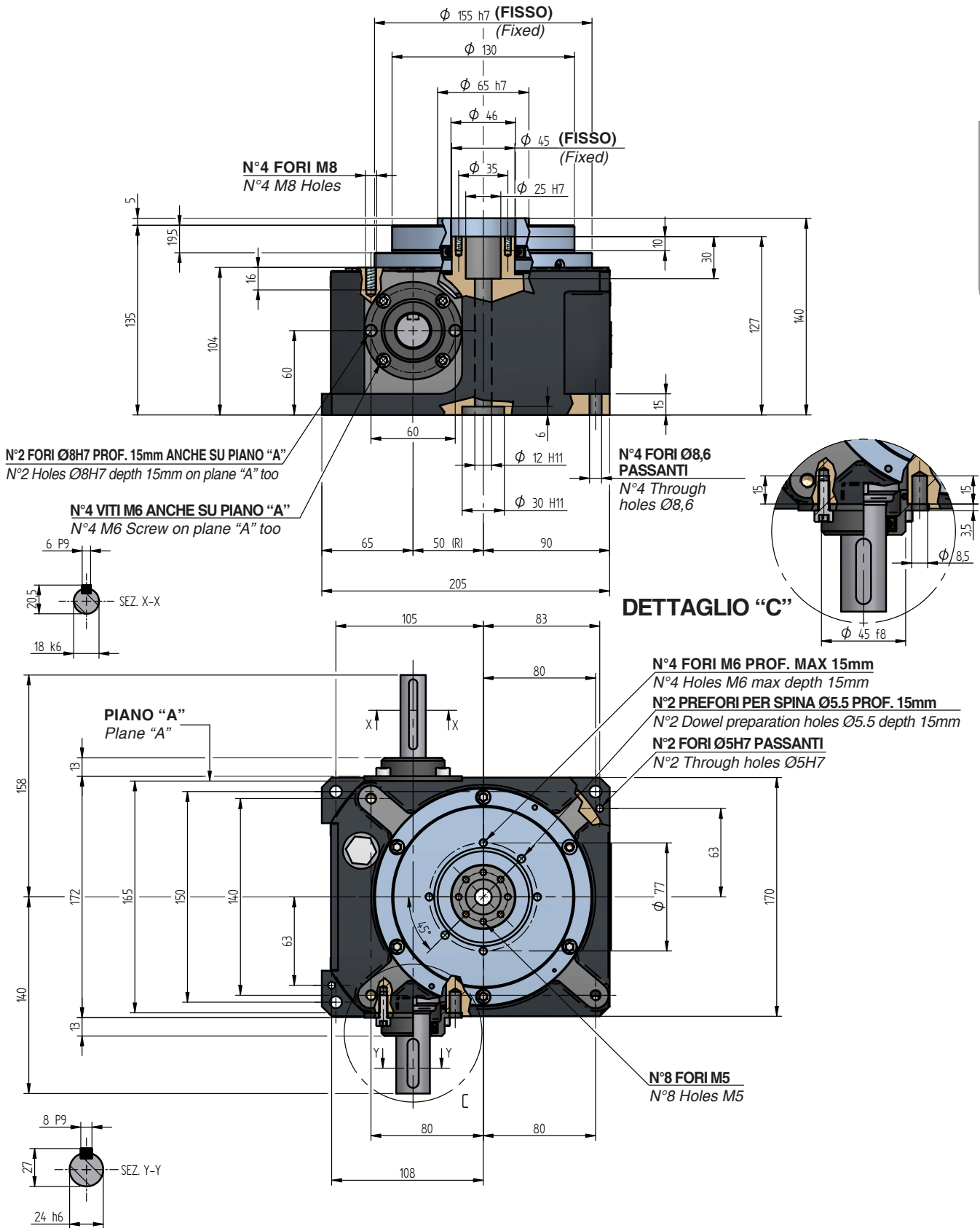


Tavola rotante

Rotary Index table



T115

KG 23 kg

ROTARY TABLES

Rotary index table

Divisore Indexer	Divisioni Stations	Profilo camma Cam profiles	Angoli impegnati per lo spostamento Cam rotation angle performing the transfer movements											
			90	120	150	180	210	240	270	300	315	330		
			T 25											
	2	1												
	3													
	4													
	5													
	6													
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	8													
	9													
	10													
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	15													
	16	2												
	18													
	20													
	24													
	28													
	30	3												
	32	2												
	36	3												

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CAM TRANSFER ANGLES FEASIBLE UNDER AUTOROTOR TECHNICAL SUPERVISION

Tolleranza Tavole Rotanti

Tolerances of Rotary Index Tables

Tolleranza di ripetibilità / Repeatability tolerance:

- **R** : 80 mm
- **Standard**: ±0,015 mm
- **Special**: ±0,010 mm

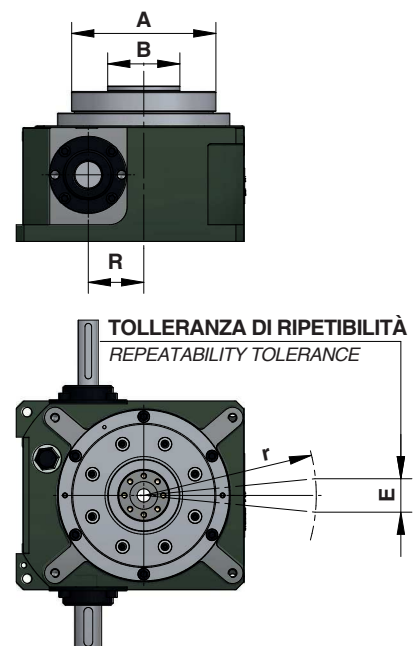
Ripetibilità - Repeatability E (+/- mm)	R = 80	R = 150	R = 300
Standard	0,015	0,028	0,056
Special	0,010	0,019	0,038

Planarità disco / Disc flatness:

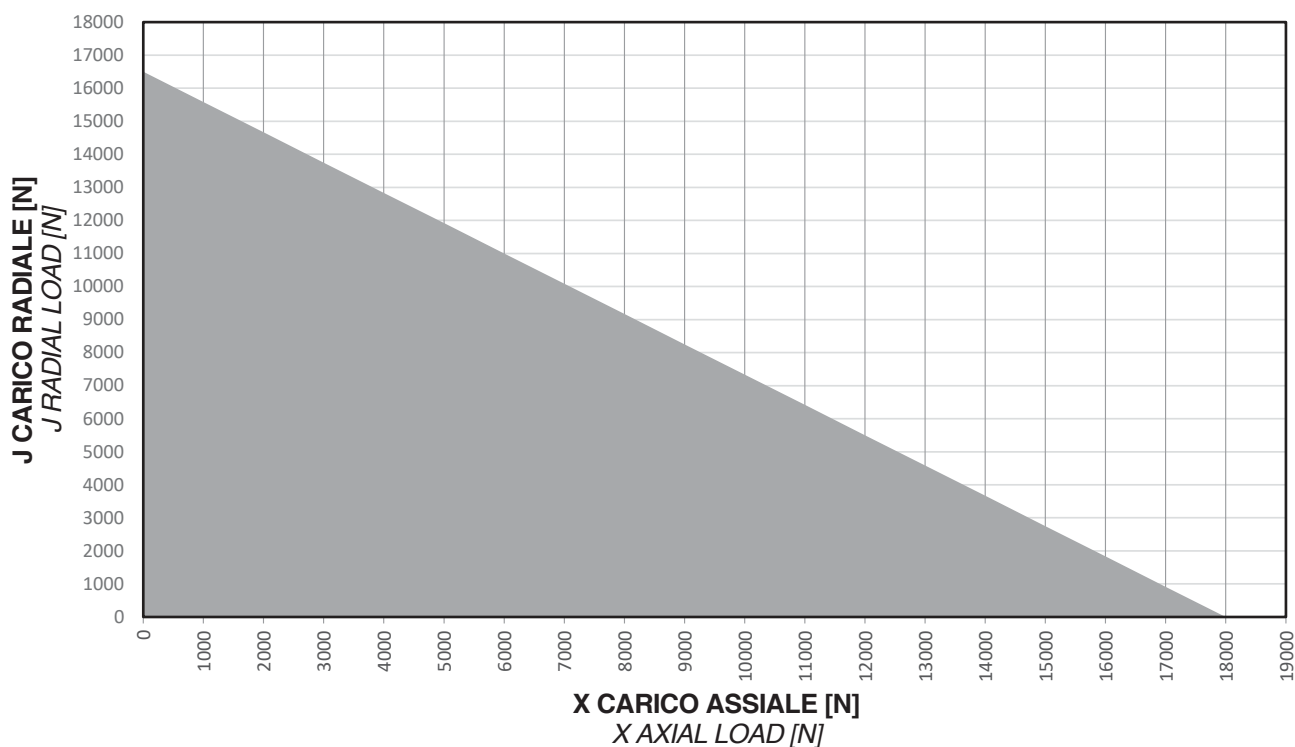
- **A**: 195 mm
- **Total**: 0,010 mm

Eccentricità disco / Disc eccentricity:

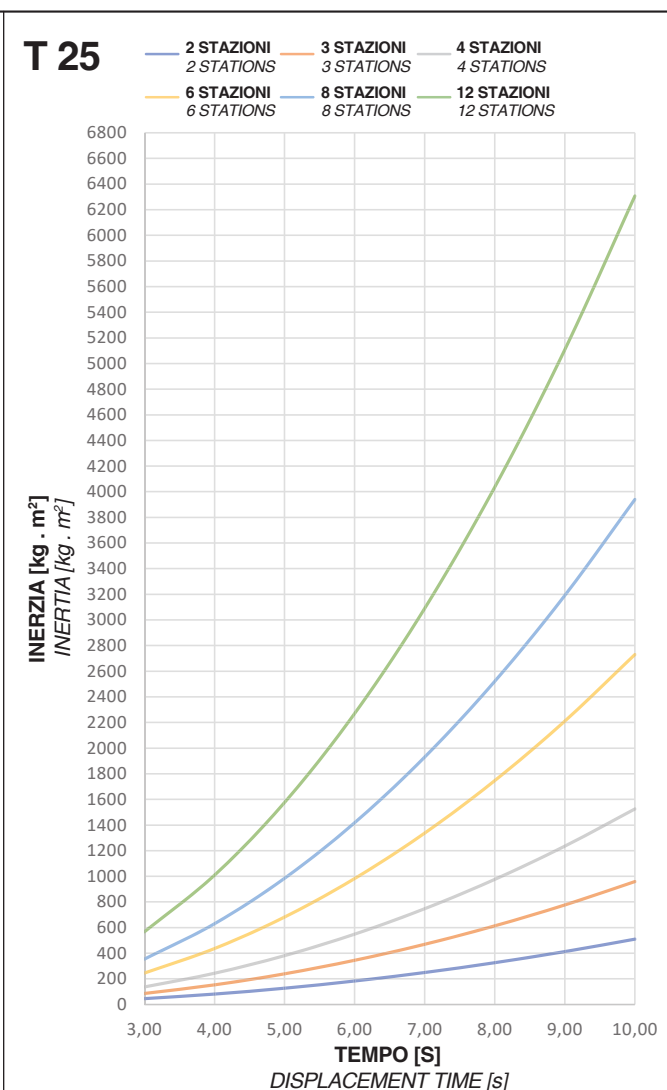
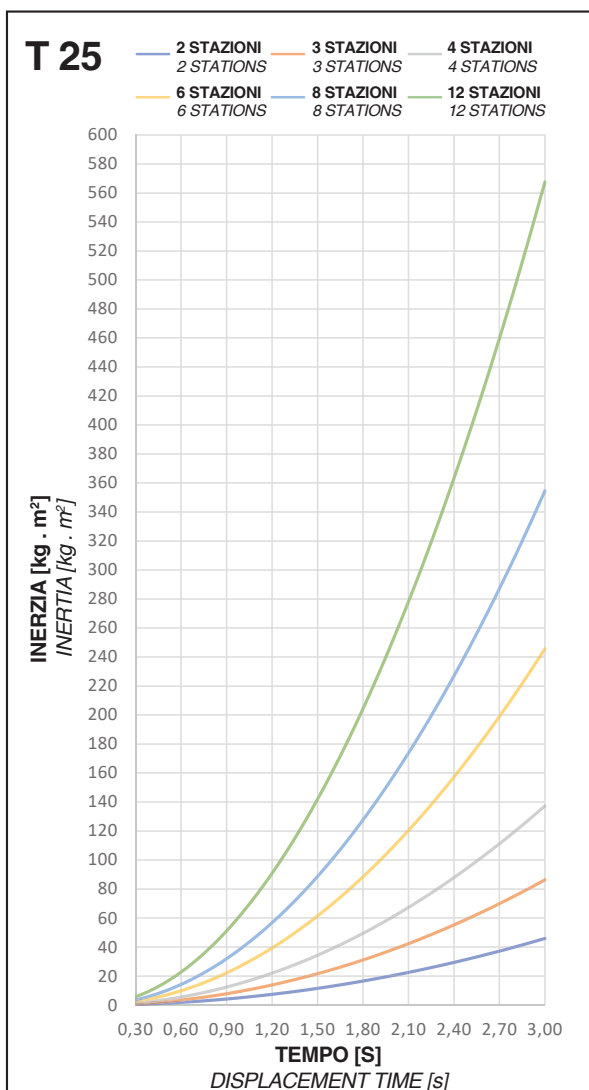
- **B**: 80 mm
- **Total**: 0,010 mm



Max axial and radial loads



T 25



IL GRAFICO È INDICATIVO, PER IDENTIFICARE UN CORRETTO DIMENSIONAMENTO, CONSIGLIAMO DI RICHIEDERE UN CALCOLO DEDICATO AL NOSTRO UFFICIO TECNICO
THE GRAPH IS INDICATIVE, TO IDENTIFY A CORRECT SIZING, WE RECOMMEND REQUESTING A DEDICATED CALCULATION FROM OUR TECHNICAL DEPARTMENT

Axial and radial loads

TIPO TAVOLA <i>Type Table</i>	Carichi massimi sul disco rotante Max load on indexing disk			
	combinati <i>combined</i>		momenti <i>torque</i>	
	assiale <i>axia</i> X	radiale <i>radial</i> J	ribaltante <i>overturning</i> Yr	in pausa <i>in dwell</i> Mp
	N		Nm	
T 25	18000	16500	550	690

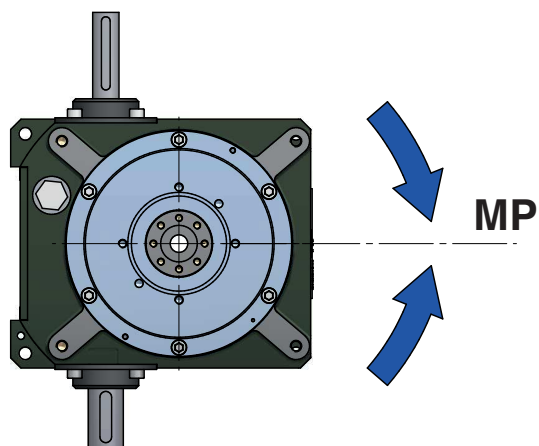
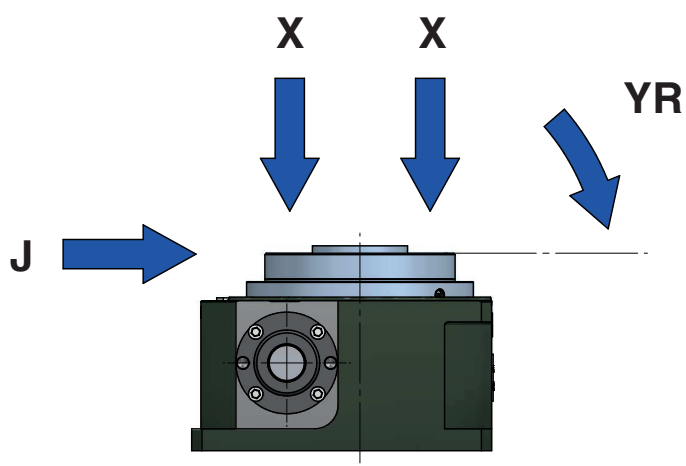
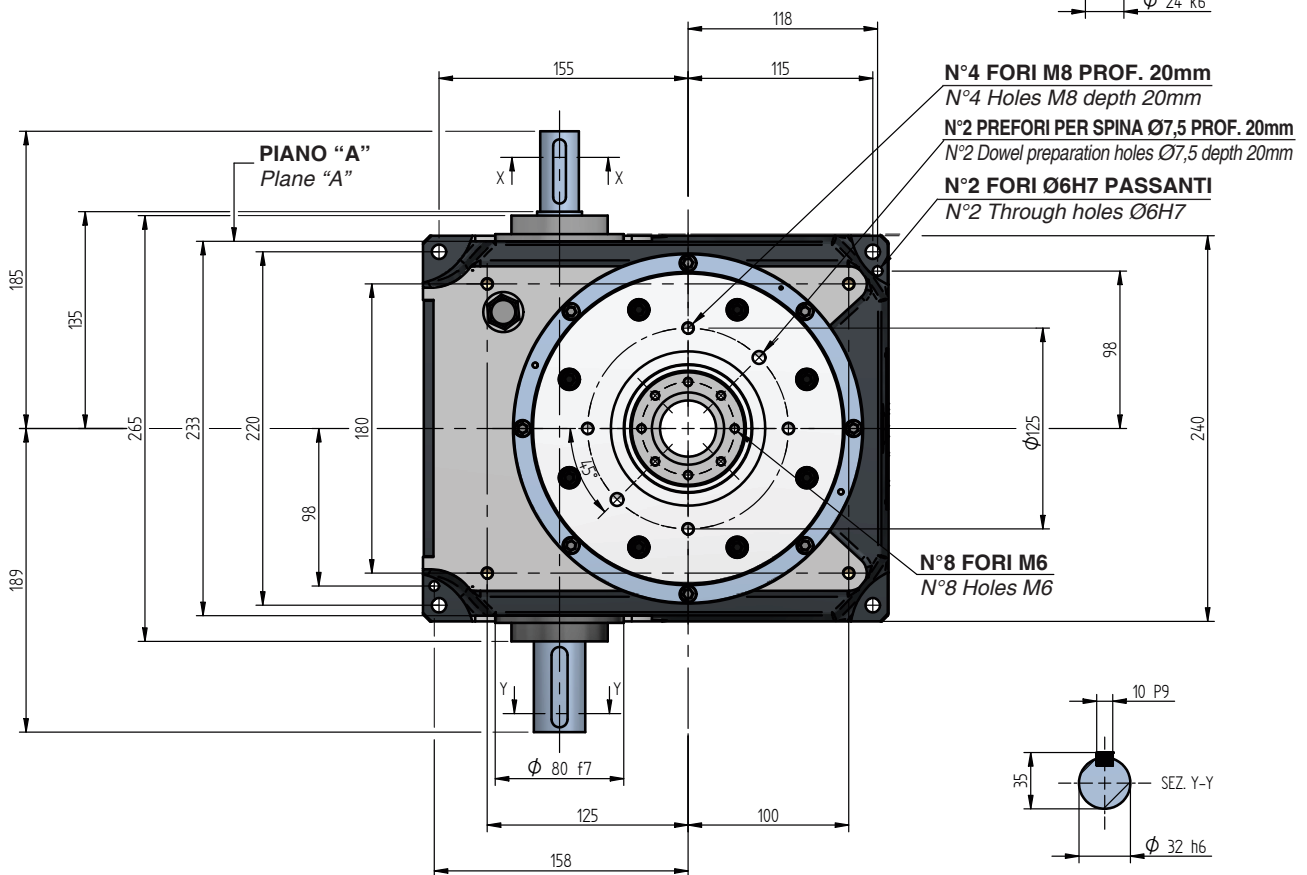
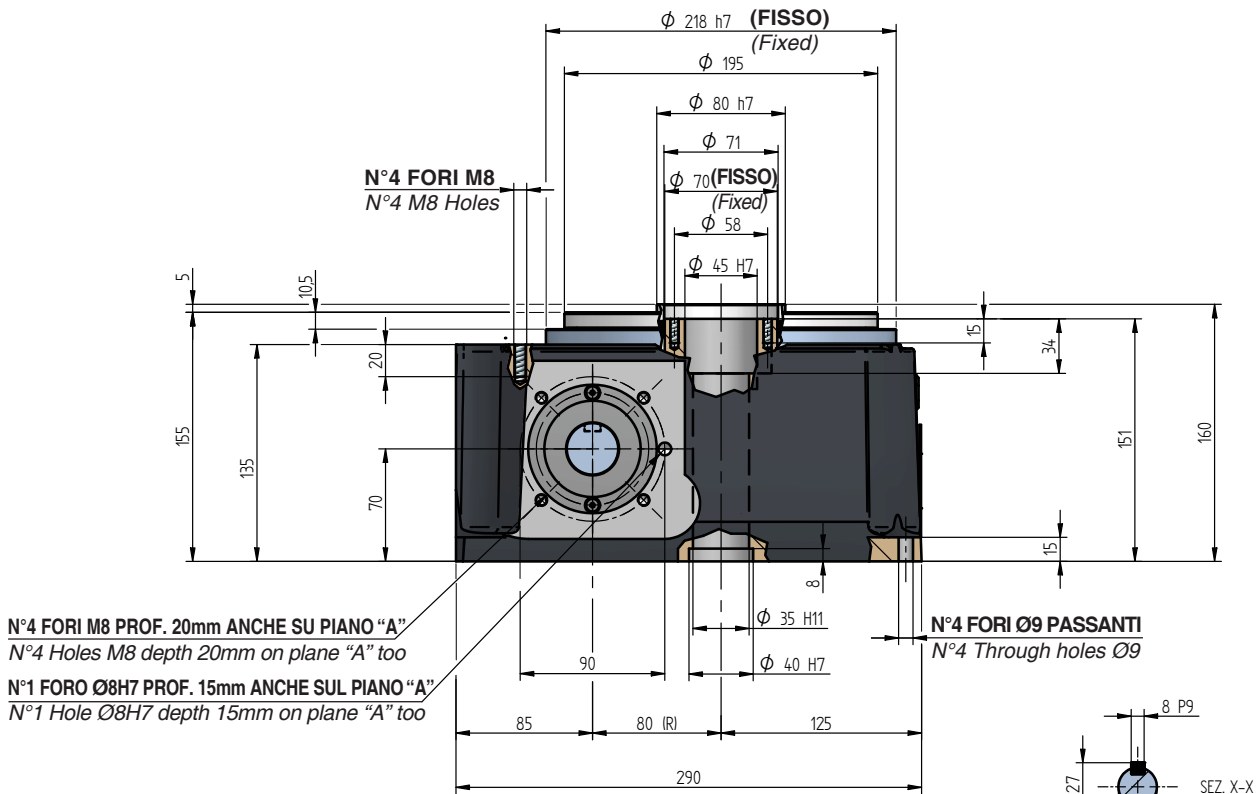


Tavola rotante

Rotary Index table

T 25

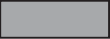



KG 46 kg

ROTARY TABLES

Rotary index table

Divisore Indexer	Divisioni Stations	Profilo camma Cam profiles	Angoli impegnati per lo spostamento Cam rotation angle performing the transfer movements																			
			90	120	150	180	210	240	270	300	315	330										
T 35	2	1																				
	3																					
	4																					
	5																					
	6																					
	7																					
	8																					
	9																					
	10																					
	12																					
	14																					
	15																					
	16		2																			
	18																					
	20																					
	24																					
	28																					
	30																					
32		3																				
36		3																				

-  **ANGOLI DI CAMMA REALIZZABILI**
FEASIBLE CAM TRANSFER ANGLES
-  **ANGOLI DI CAMMA REALIZZABILI CON CONTROLLO TECNICO AUTOROTOR**
CAM TRANSFER ANGLES FEASIBLE UNDER AUTOROTOR TECHNICAL SUPERVISION

Tolleranza Tavole Rotanti

Tolerances of Rotary Index Tables

Tolleranza di ripetibilità / Repeatability tolerance:

- R : 100 mm
- **Standard:** ±0,015 mm
- **Special:** ±0,010 mm

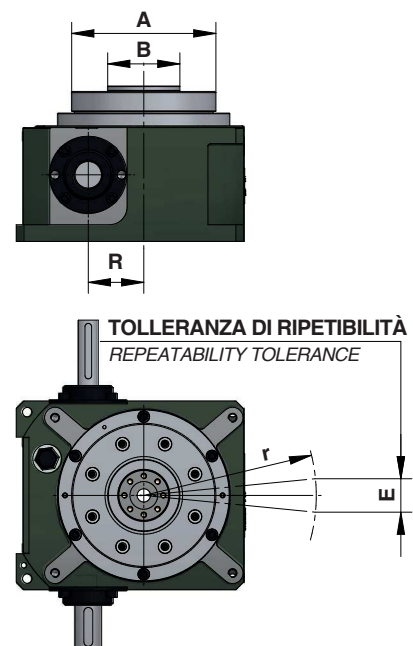
Ripetibilità - Repeatability E (+/- mm)	R = 100	R = 200	R = 400
Standard	0,015	0,030	0,060
Special	0,010	0,020	0,040

Planarità disco / Disc flatness:

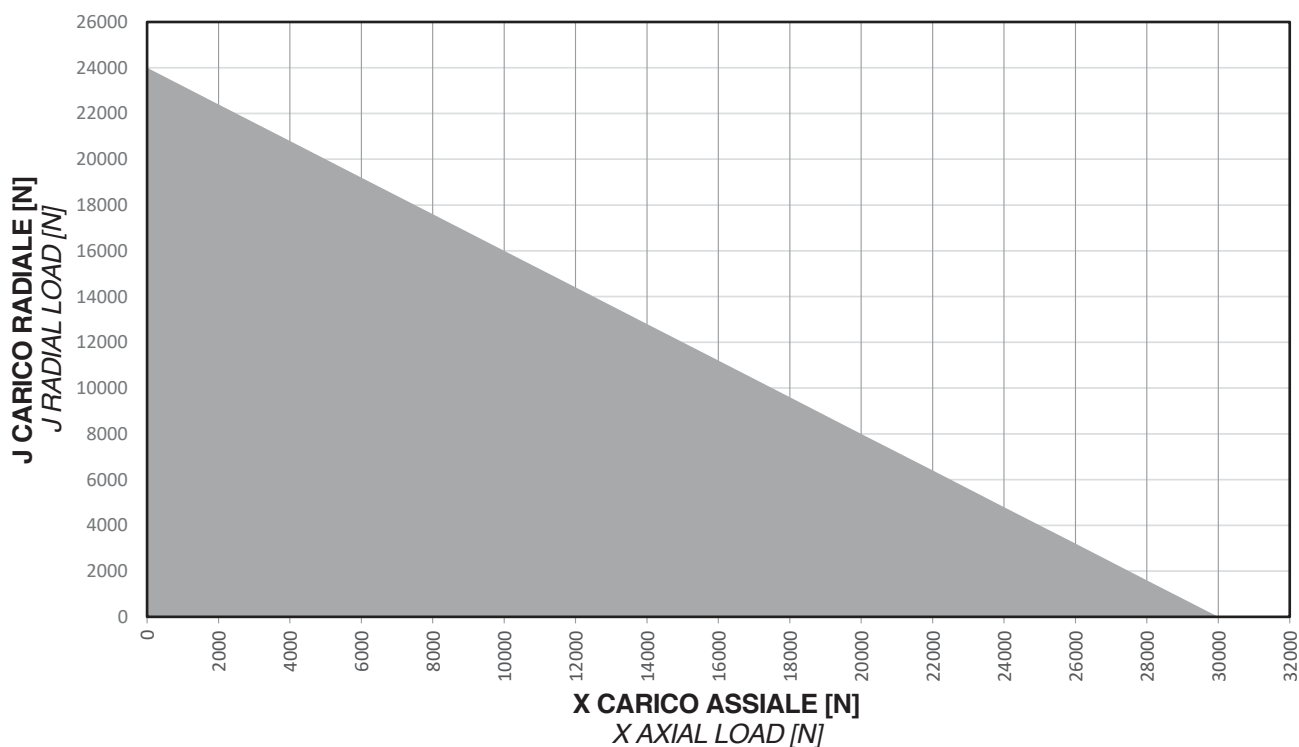
- A: 250 mm
- **Total:** 0,015 mm

Eccentricità disco / Disc eccentricity:

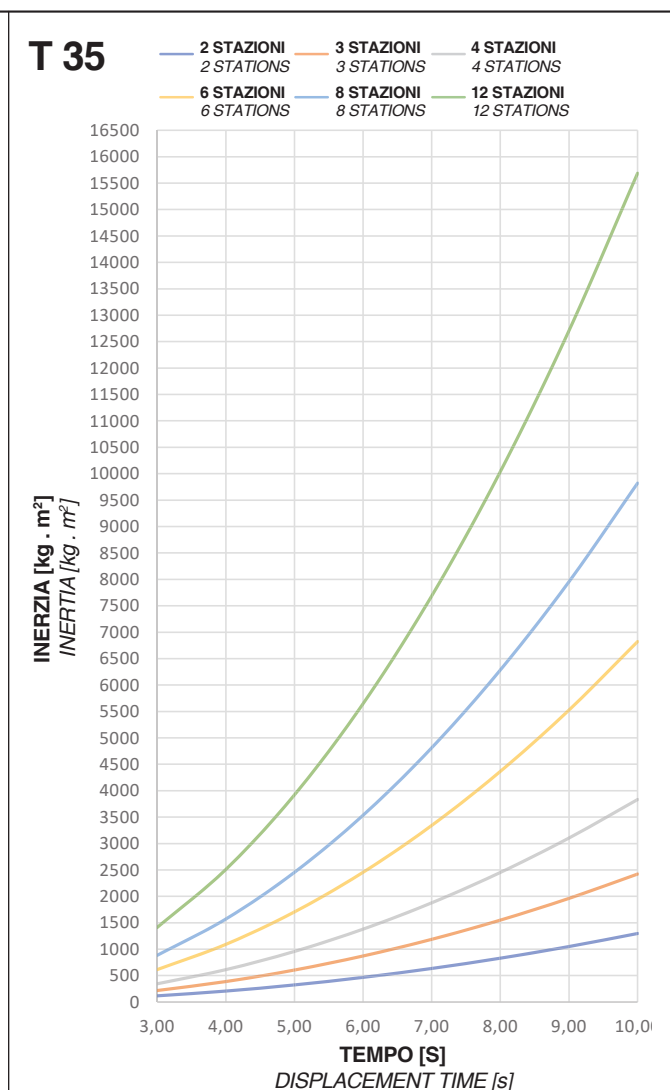
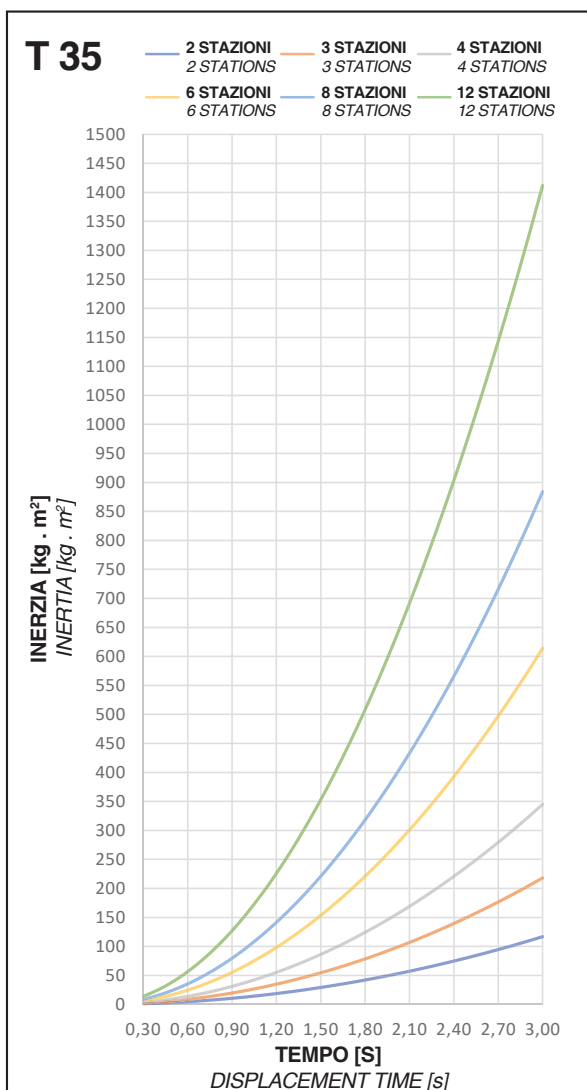
- B: 130 mm
- **Total:** 0,015 mm



Max axial and radial loads



T35



IL GRAFICO È INDICATIVO, PER IDENTIFICARE UN CORRETTO DIMENSIONAMENTO, CONSIGLIAMO DI RICHIEDERE UN CALCOLO DEDICATO AL NOSTRO UFFICIO TECNICO
THE GRAPH IS INDICATIVE, TO IDENTIFY A CORRECT SIZING, WE RECOMMEND REQUESTING A DEDICATED CALCULATION FROM OUR TECHNICAL DEPARTMENT

Axial and radial loads

TIPO TAVOLA <i>Type Table</i>	Carichi massimi sul disco rotante Max load on indexing disk			
	combinati <i>combined</i>		momenti <i>torque</i>	
	assiale <i>axia</i> X	radiale <i>radial</i> J	ribaltante <i>overturning</i> Yr	in pausa <i>in dwell</i> Mp
	N		Nm	
T 35	30000	24000	700	1690

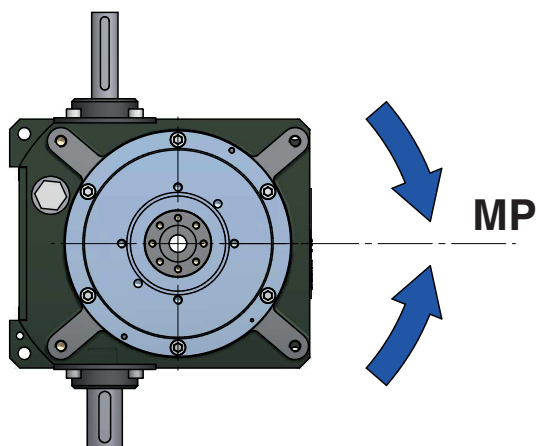
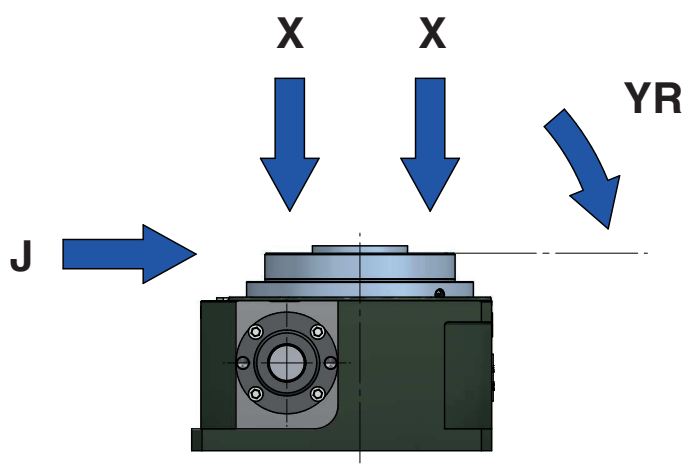
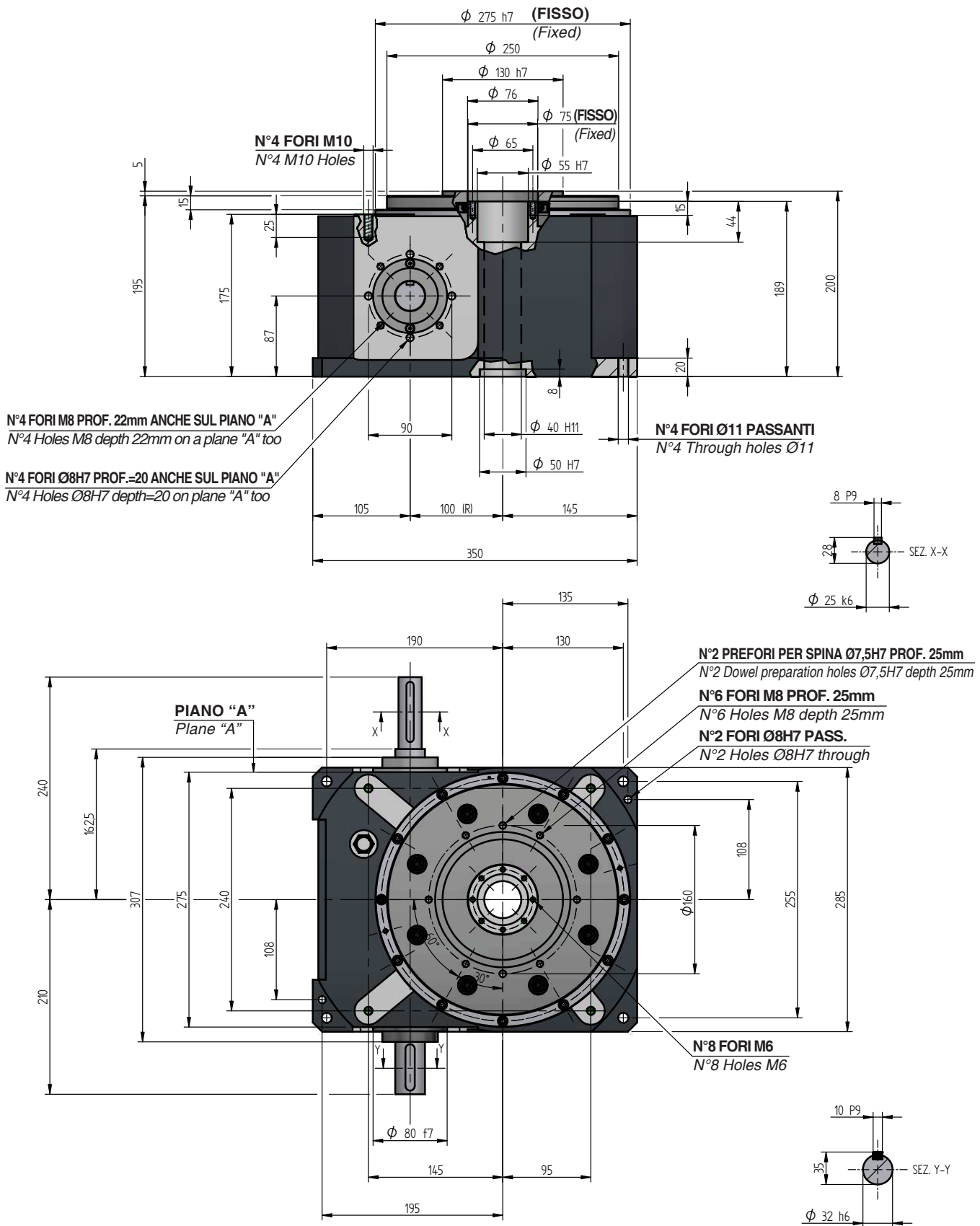


Tavola rotante

Rotary Index table

T 35



KG 84 kg

ROTARY TABLES

Rotary index table

Divisore Indexer	Divisioni Stations	Profilo camma Cam profiles	Angoli impegnati per lo spostamento Cam rotation angle performing the transfer movements												
			90	120	150	180	210	240	270	300	315	330			
T 55	2	1													
	3														
	4														
	5														
	6														
	7														
	8														
	9														
	10														
	12														
	14														
	15														
	16		2												
	18														
	20														
	24														
	28														
	30			3											
32		2													
36		3													



ANGOLI DI CAMMA REALIZZABILI
FEASIBLE CAM TRANSFER ANGLES



ANGOLI DI CAMMA REALIZZABILI CON CONTROLLO TECNICO AUTOROTOR
CAM TRANSFER ANGLES FEASIBLE UNDER AUTOROTOR TECHNICAL SUPERVISION

Tolleranza Tavole Rotanti

Tolerances of Rotary Index Tables

Tolleranza di ripetibilità / Repeatability tolerance:

- R : 140 mm
- **Standard:** ±0,015 mm
- **Special:** ±0,010 mm

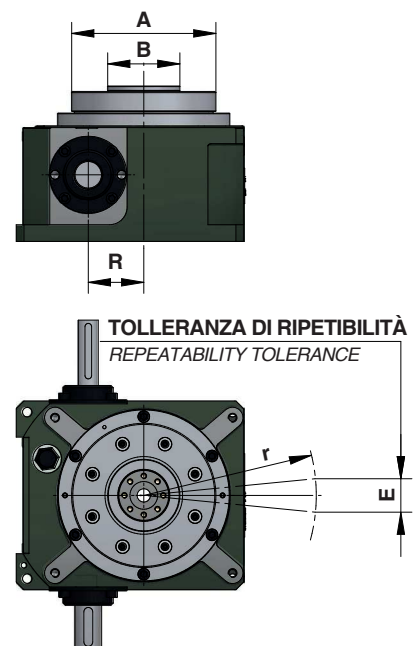
Ripetibilità - Repeatability E (+/- mm)	R = 140	R = 300	R = 600
Standard	0,015	0,032	0,064
Special	0,010	0,021	0,043

Planarità disco / Disc flatness:

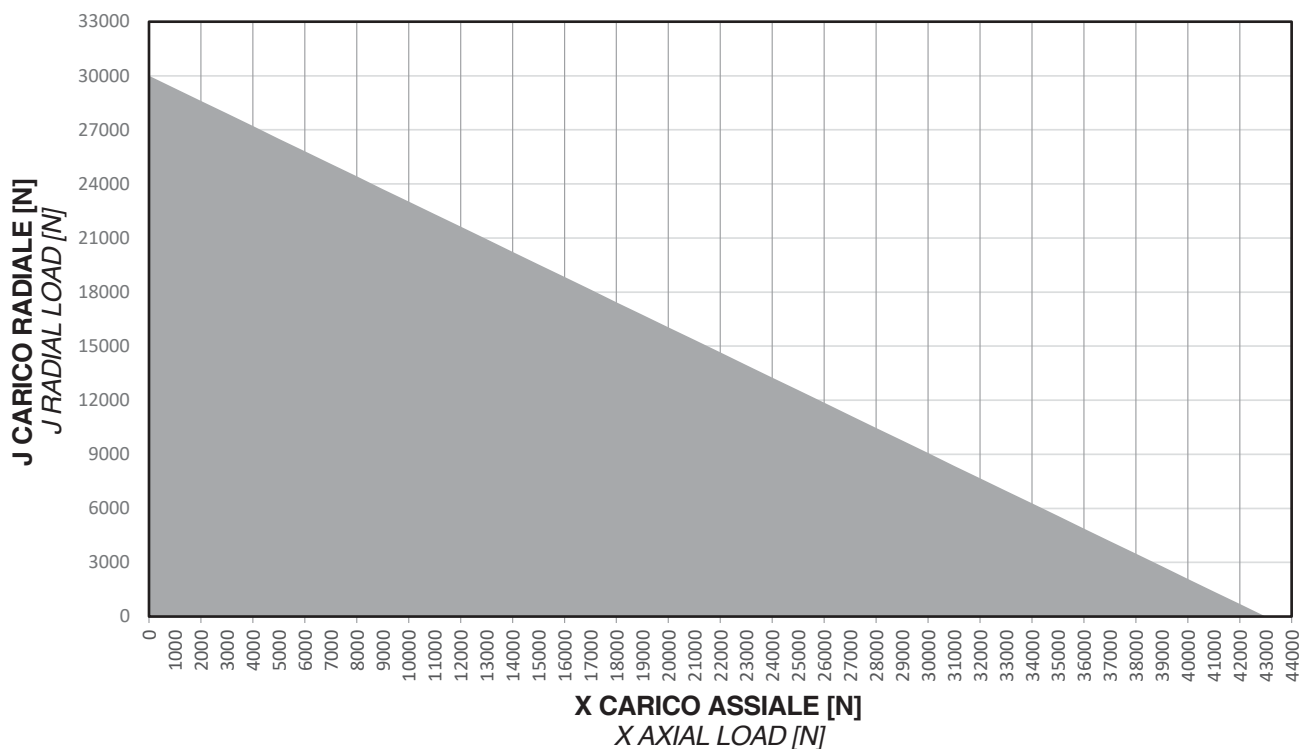
- A: 350 mm
- **Total:** 0,015 mm

Eccentricità disco / Disc eccentricity:

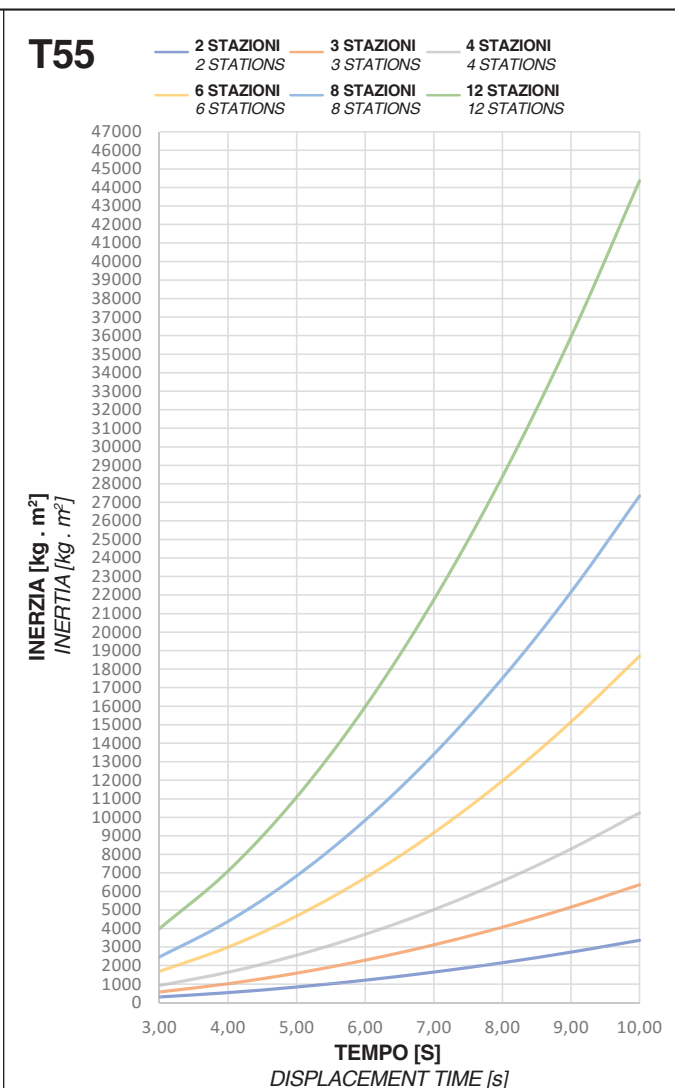
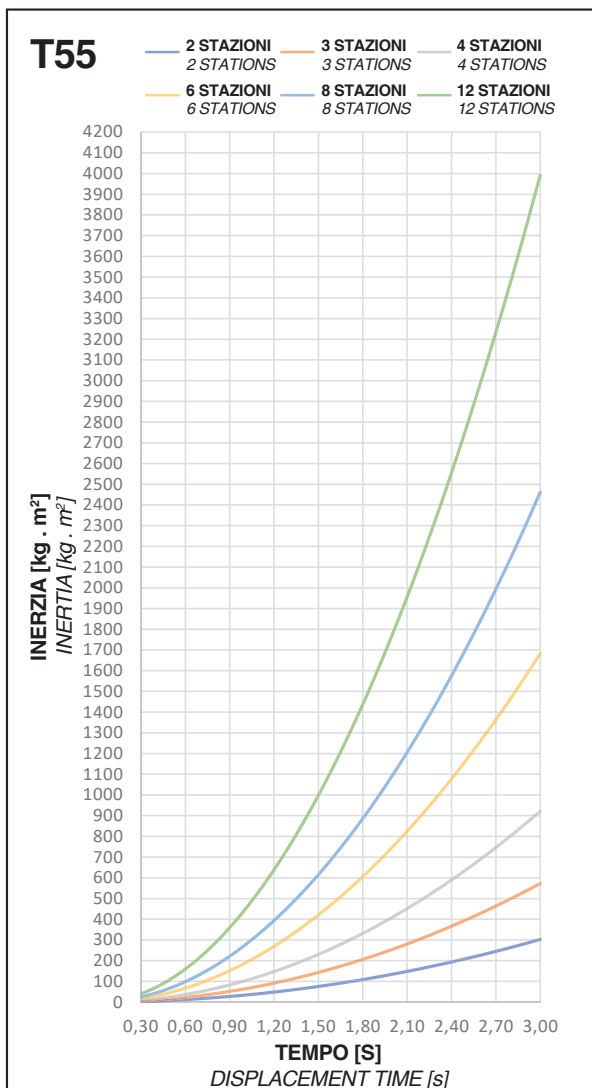
- B: 200 mm
- **Total:** 0,015 mm



Max axial and radial loads



T55



IL GRAFICO È INDICATIVO, PER IDENTIFICARE UN CORRETTO DIMENSIONAMENTO, CONSIGLIAMO DI RICHIEDERE UN CALCOLO DEDICATO AL NOSTRO UFFICIO TECNICO
 THE GRAPH IS INDICATIVE, TO IDENTIFY A CORRECT SIZING, WE RECOMMEND REQUESTING A DEDICATED CALCULATION FROM OUR TECHNICAL DEPARTMENT

Axial and radial loads

TIPO TAVOLA <i>Type Table</i>	Carichi massimi sul disco rotante Max load on indexing disk			
	combinati <i>combined</i>		momenti <i>torque</i>	
	assiale <i>axia</i> X	radiale <i>radial</i> J	ribaltante <i>overturning</i> Yr	in pausa <i>in dwell</i> Mp
	N		Nm	
T 55	43000	30000	1600	2370

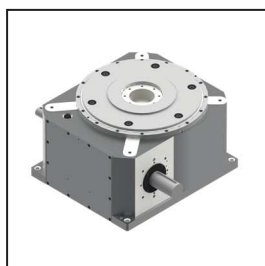
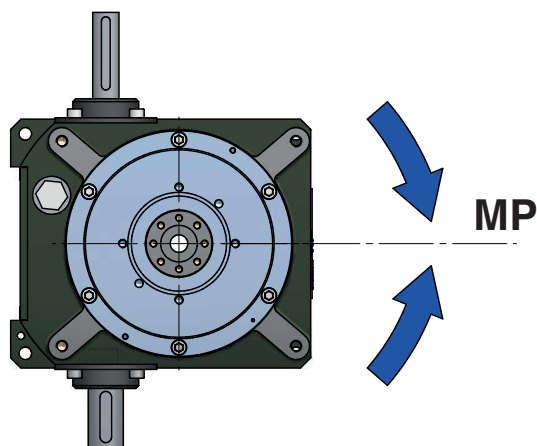
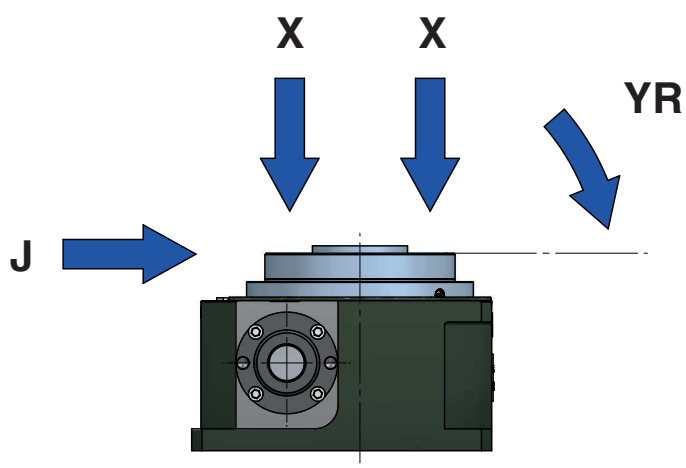
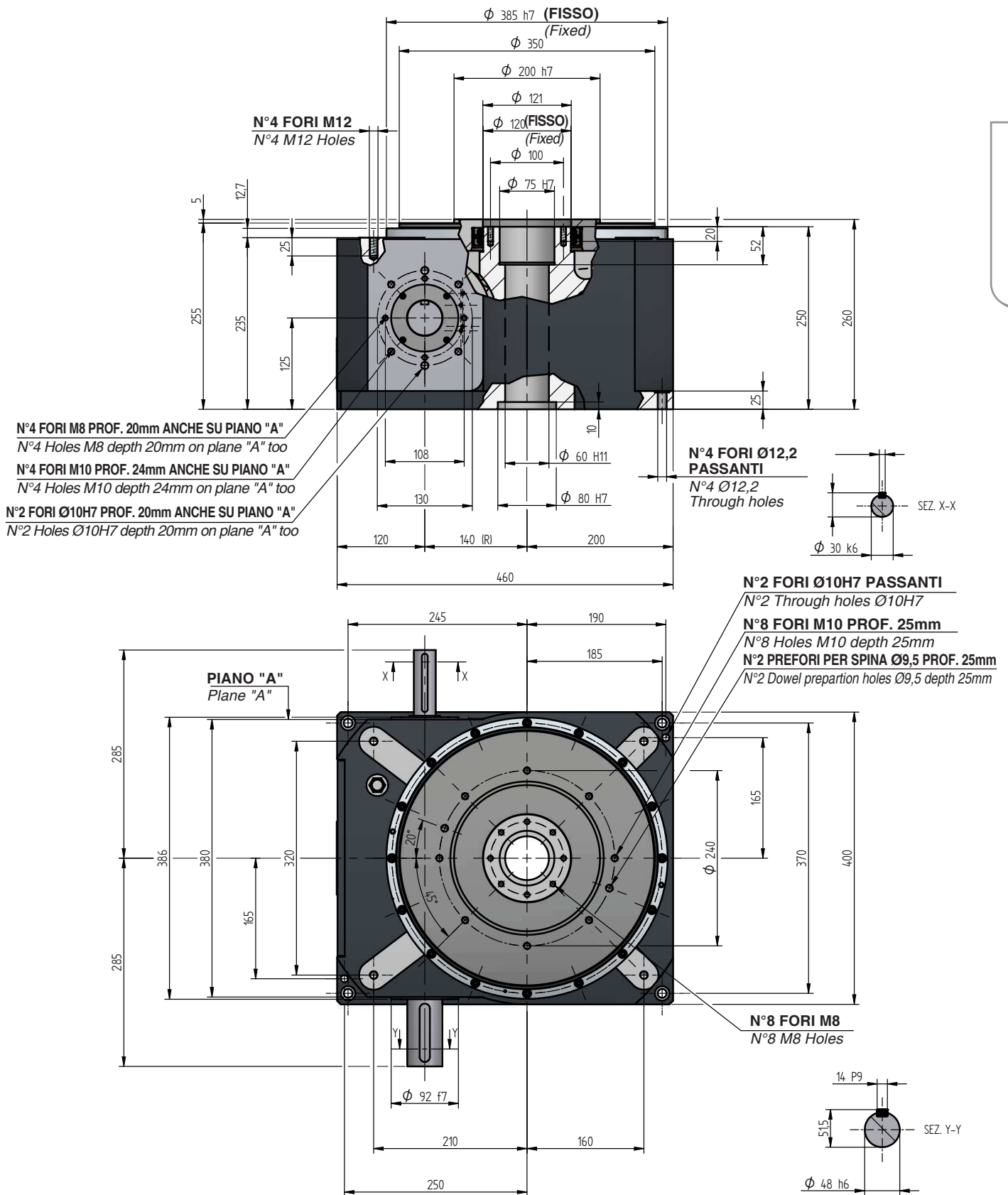


Tavola rotante

Rotary Index table

T55





KG 181 kg

ROTARY TABLES

Rotary index table

Divisore Indexer	Divisioni Stations	Profilo camma Cam profiles	Angoli impegnati per lo spostamento Cam rotation angle performing the transfer movements																
			90	120	150	180	210	240	270	300	315	330							
T 65	2	1																	
	3																		
	4																		
	5																		
	6																		
	7																		
	8																		
	9																		
	10																		
	12																		
	14																		
	15																		
	16																		
	18			2															
	20			2															
	24			2															
	28		2																
	30		3																
32		2																	
36		3																	

- 
ANGOLI DI CAMMA REALIZZABILI
FEASIBLE CAM TRANSFER ANGLES
- 
ANGOLI DI CAMMA REALIZZABILI CON CONTROLLO TECNICO AUTOROTOR
CAM TRANSFER ANGLES FEASIBLE UNDER AUTOROTOR TECHNICAL SUPERVISION

Tolleranza Tavole Rotanti

Tolerances of Rotary Index Tables

Tolleranza di ripetibilità / Repeatability tolerance:

- R : 165 mm
- Standard: ±0,015 mm
- Special: ±0,010 mm

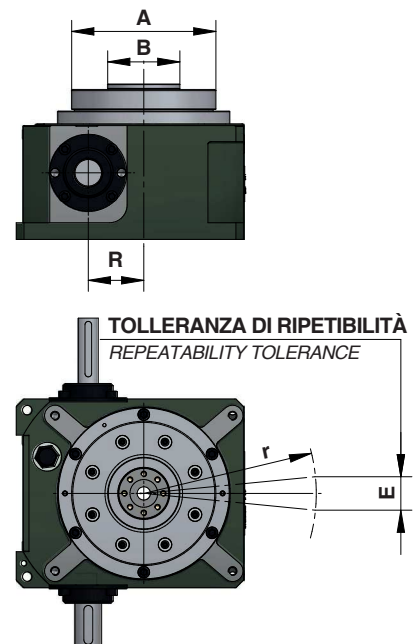
Ripetibilità - Repeatability E (+/- mm)	R = 165	R = 350	R = 700
Standard	0,015	0,032	0,064
Special	0,010	0,021	0,042

Planarità disco / Disc flatness:

- A: 435 mm
- Total: 0,015 mm

Eccentricità disco / Disc eccentricity:

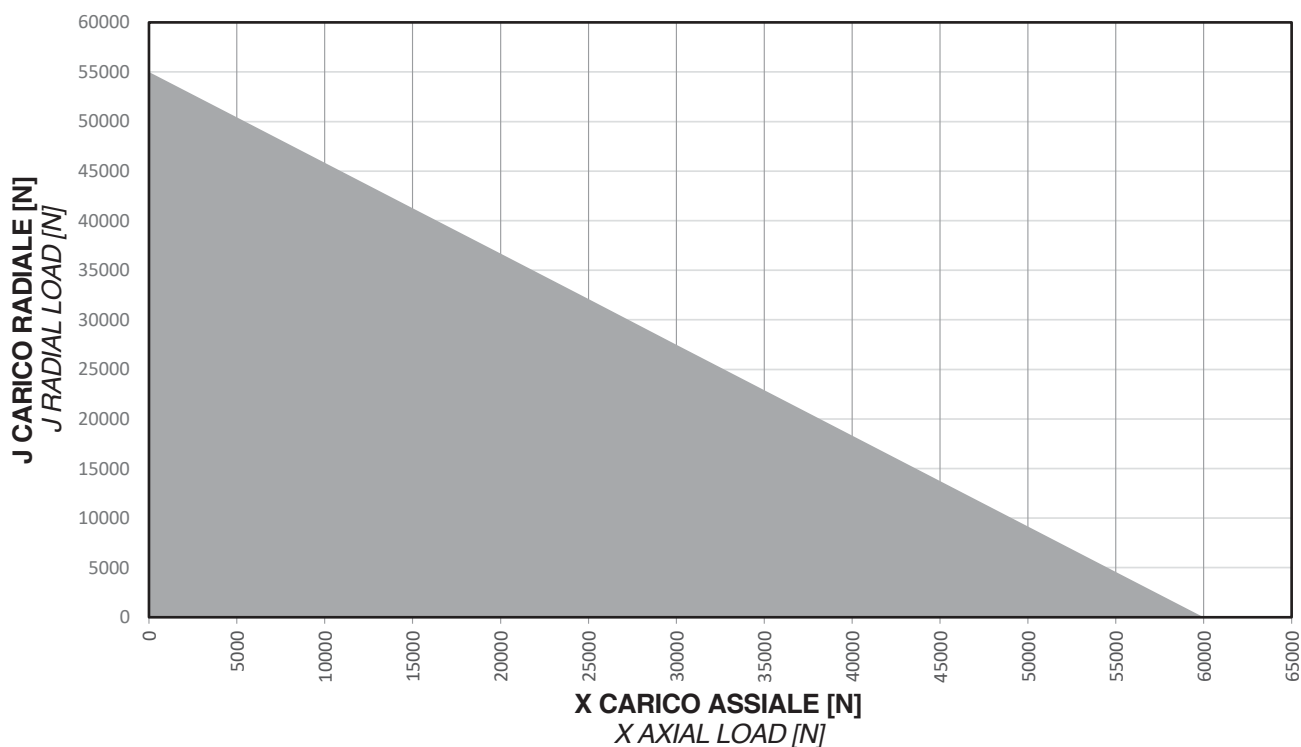
- B: 230 mm
- Total: 0,020 mm



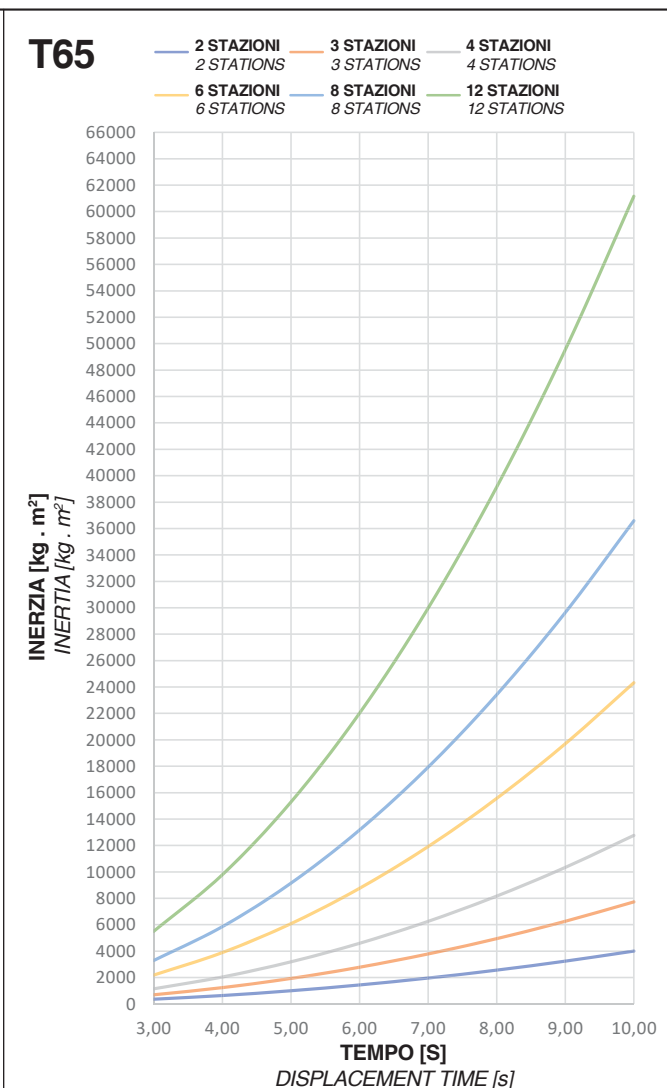
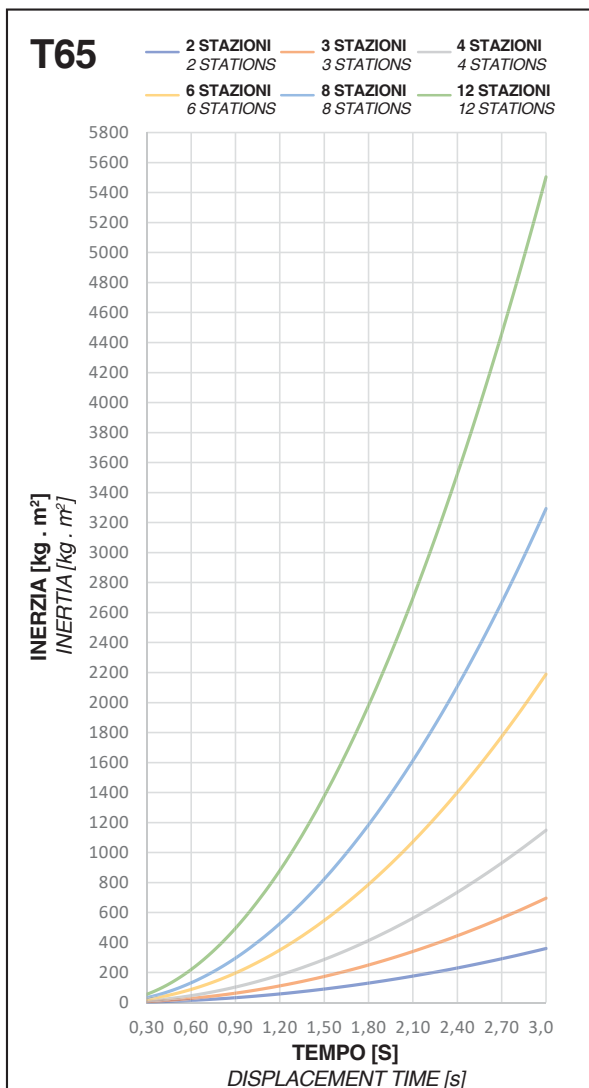
TOLLERANZA DI RIPETIBILITÀ
REPEATABILITY TOLERANCE

Carichi assiali e radiali

Max axial and radial loads



T65



IL GRAFICO È INDICATIVO, PER IDENTIFICARE UN CORRETTO DIMENSIONAMENTO, CONSIGLIAMO DI RICHIEDERE UN CALCOLO DEDICATO AL NOSTRO UFFICIO TECNICO
 THE GRAPH IS INDICATIVE, TO IDENTIFY A CORRECT SIZING, WE RECOMMEND REQUESTING A DEDICATED CALCULATION FROM OUR TECHNICAL DEPARTMENT

ROTARY TABLES

Axial and radial loads

TIPO TAVOLA <i>Type Table</i>	Carichi massimi sul disco rotante Max load on indexing disk			
	combinati <i>combined</i>		momenti <i>torque</i>	
	assiale <i>axia</i> X	radiale <i>radial</i> J	ribaltante <i>overturning</i> Yr	in pausa <i>in dwell</i> Mp
	N		Nm	
T 65	60000	55000	2500	6220

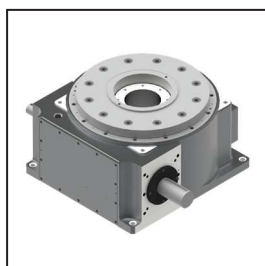
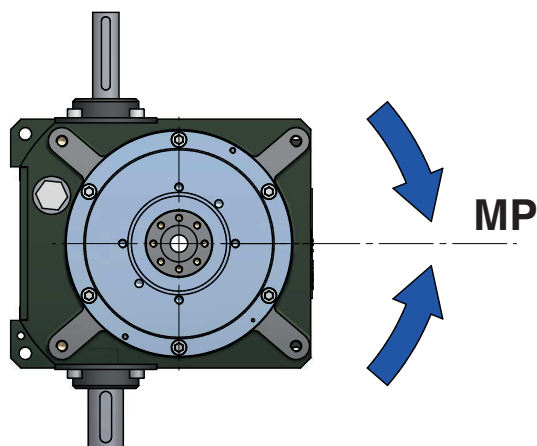
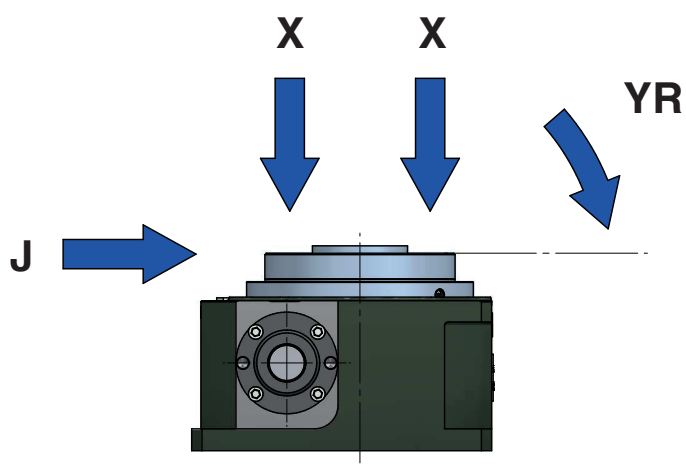
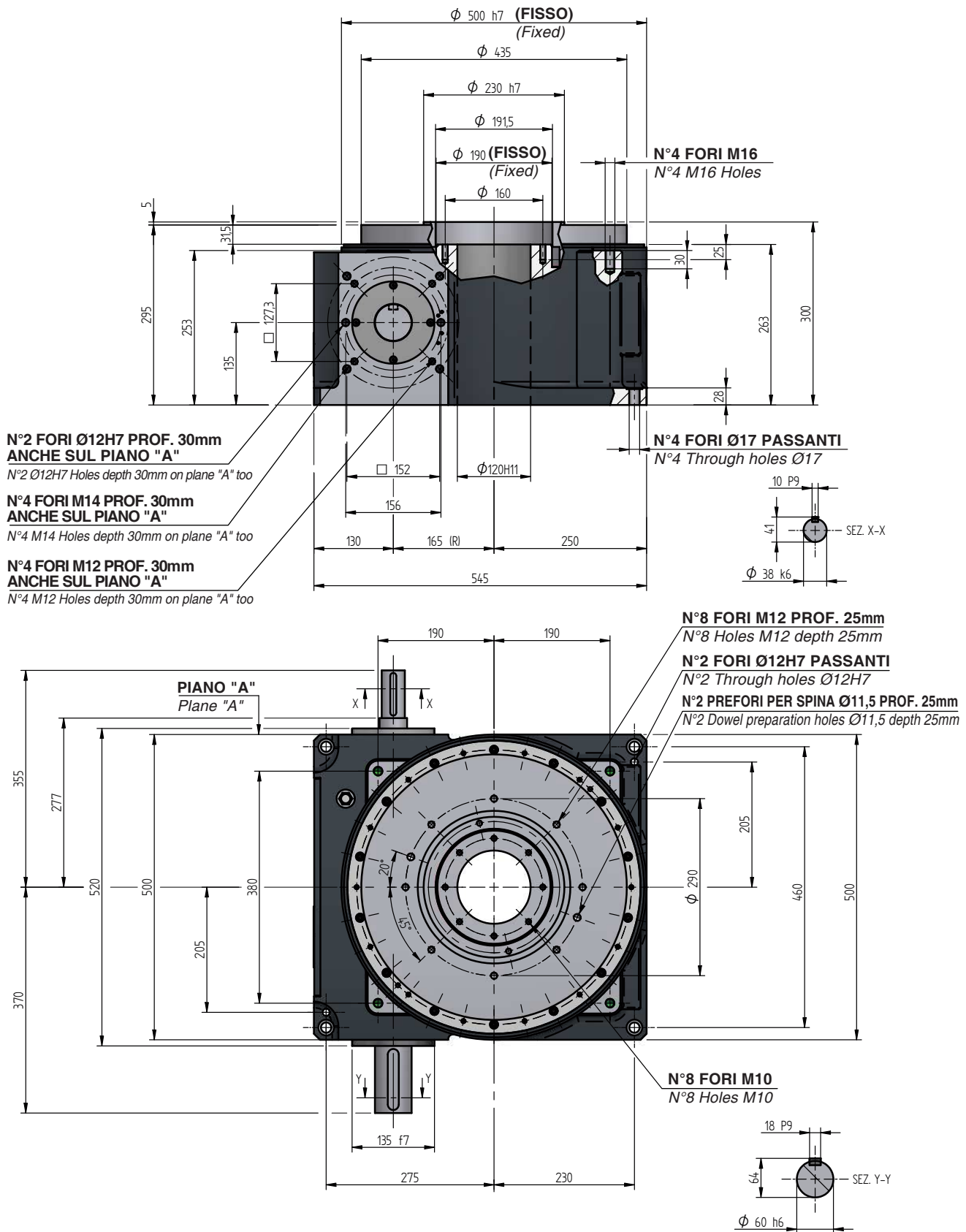


Tavola rotante

Rotary Index table

T65

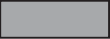



KG 360 kg

ROTARY TABLES

Rotary index table

Divisore Indexer	Divisioni Stations	Profilo camma Cam profiles	Angoli impegnati per lo spostamento Cam rotation angle performing the transfer movements																				
			90	120	150	180	210	240	270	300	315	330											
			T 75	2	1																		
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
12																							
14																							
15																							
16																							
18				2																			
20				2																			
24				2																			
28				2																			
30				3																			
32			2																				
36			3																				

-  **ANGOLI DI CAMMA REALIZZABILI**
FEASIBLE CAM TRANSFER ANGLES
-  **ANGOLI DI CAMMA REALIZZABILI CON CONTROLLO TECNICO AUTOROTOR**
CAM TRANSFER ANGLES FEASIBLE UNDER AUTOROTOR TECHNICAL SUPERVISION

Tolleranza Tavole Rotanti

Tolerances of Rotary Index Tables

Tolleranza di ripetibilità / Repeatability tolerance:

- R : 210 mm
- **Standard:** ±0,015 mm
- **Special:** ±0,010 mm

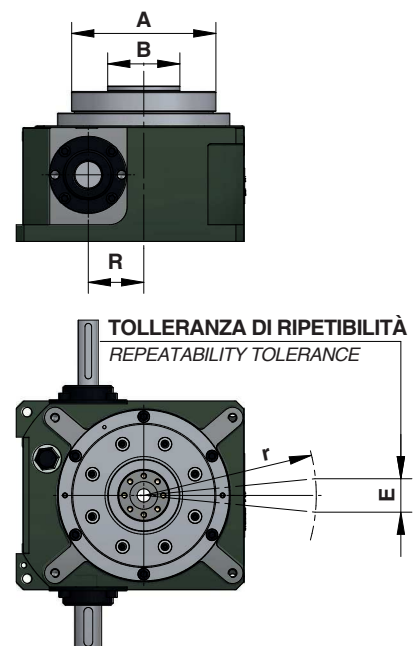
Ripetibilità - Repeatability E (+/- mm)	R = 210	R = 400	R = 800
Standard	0,015	0,029	0,057
Special	0,010	0,019	0,038

Planarità disco / Disc flatness:

- **A:** 535 mm
- **Total:** 0,020 mm

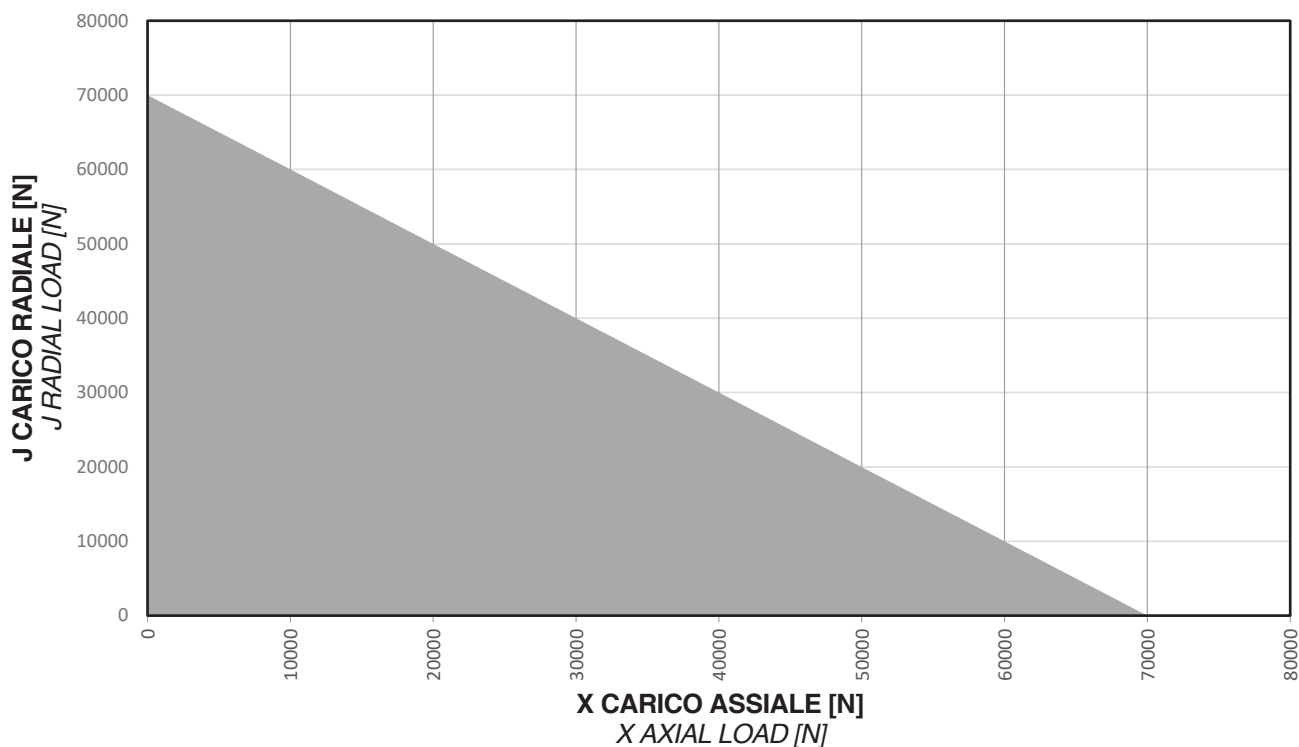
Eccentricità disco / Disc eccentricity:

- **B:** 230 mm
- **Total:** 0,030 mm

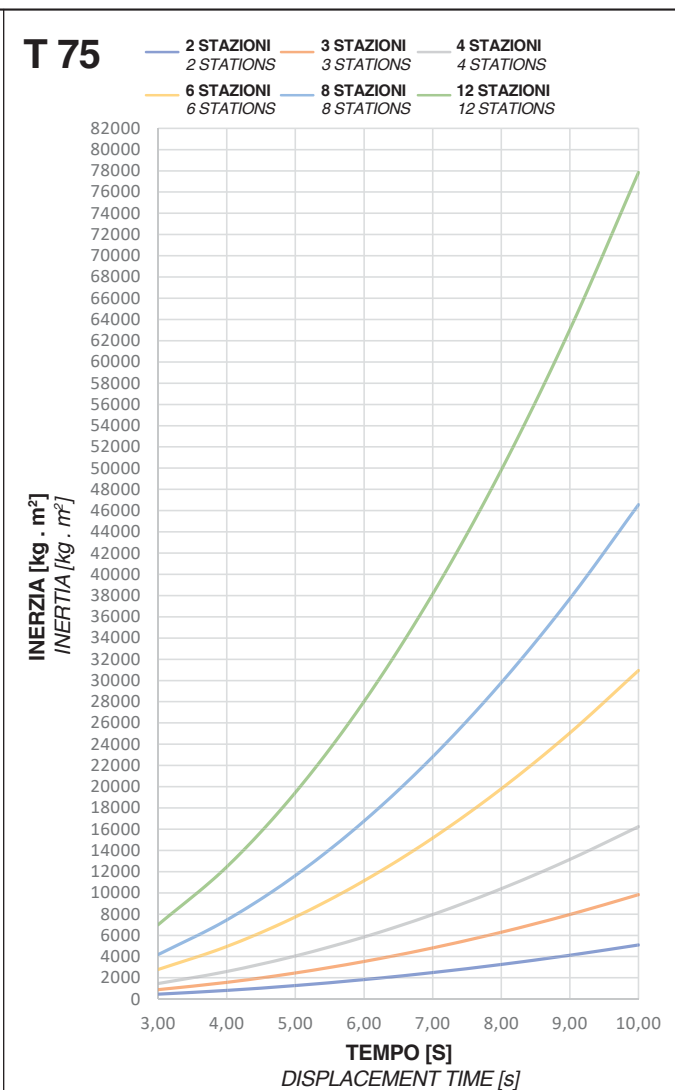
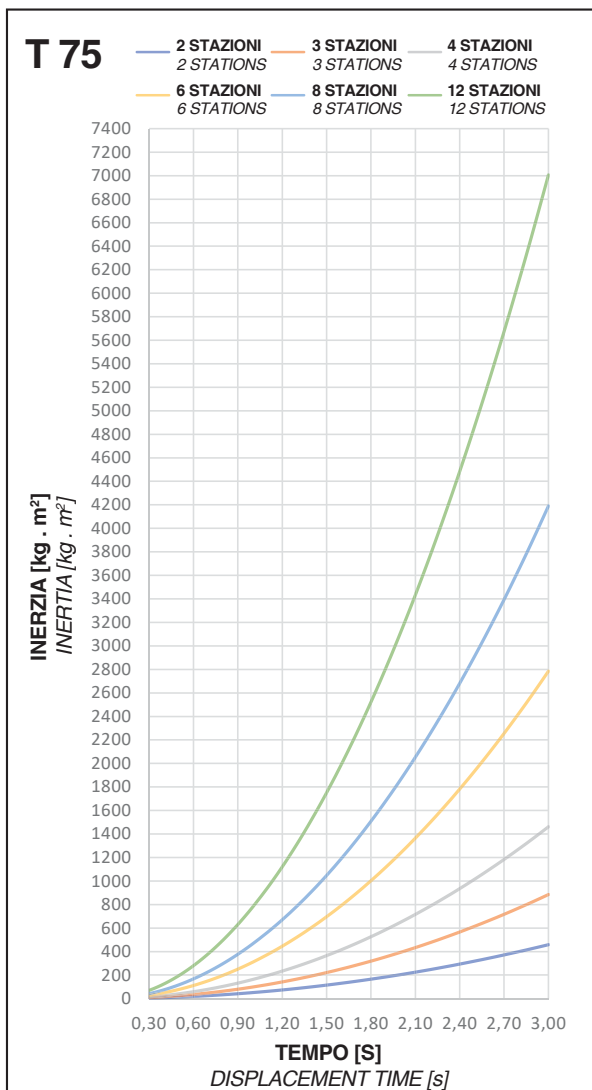


Carichi assiali e radiali

Max axial and radial loads



T 75



IL GRAFICO È INDICATIVO, PER IDENTIFICARE UN CORRETTO DIMENSIONAMENTO, CONSIGLIAMO DI RICHIEDERE UN CALCOLO DEDICATO AL NOSTRO UFFICIO TECNICO
 THE GRAPH IS INDICATIVE, TO IDENTIFY A CORRECT SIZING, WE RECOMMEND REQUESTING A DEDICATED CALCULATION FROM OUR TECHNICAL DEPARTMENT

ROTARY TABLES

Axial and radial loads

TIPO TAVOLA <i>Type Table</i>	Carichi massimi sul disco rotante Max load on indexing disk			
	combinati <i>combined</i>		momenti <i>torque</i>	
	assiale <i>axia</i> X	radiale <i>radial</i> J	ribaltante <i>overturning</i> Yr	in pausa <i>in dwell</i> Mp
	N		Nm	
T 75	70000	70000	3500	8780

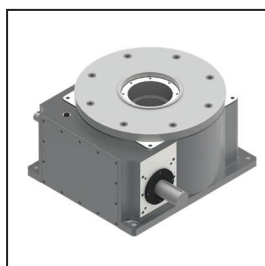
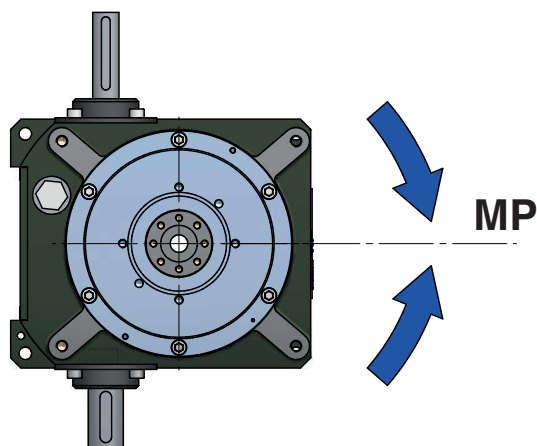
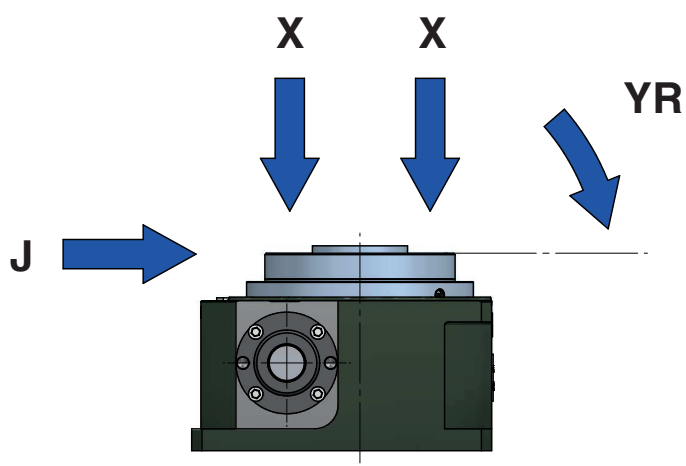
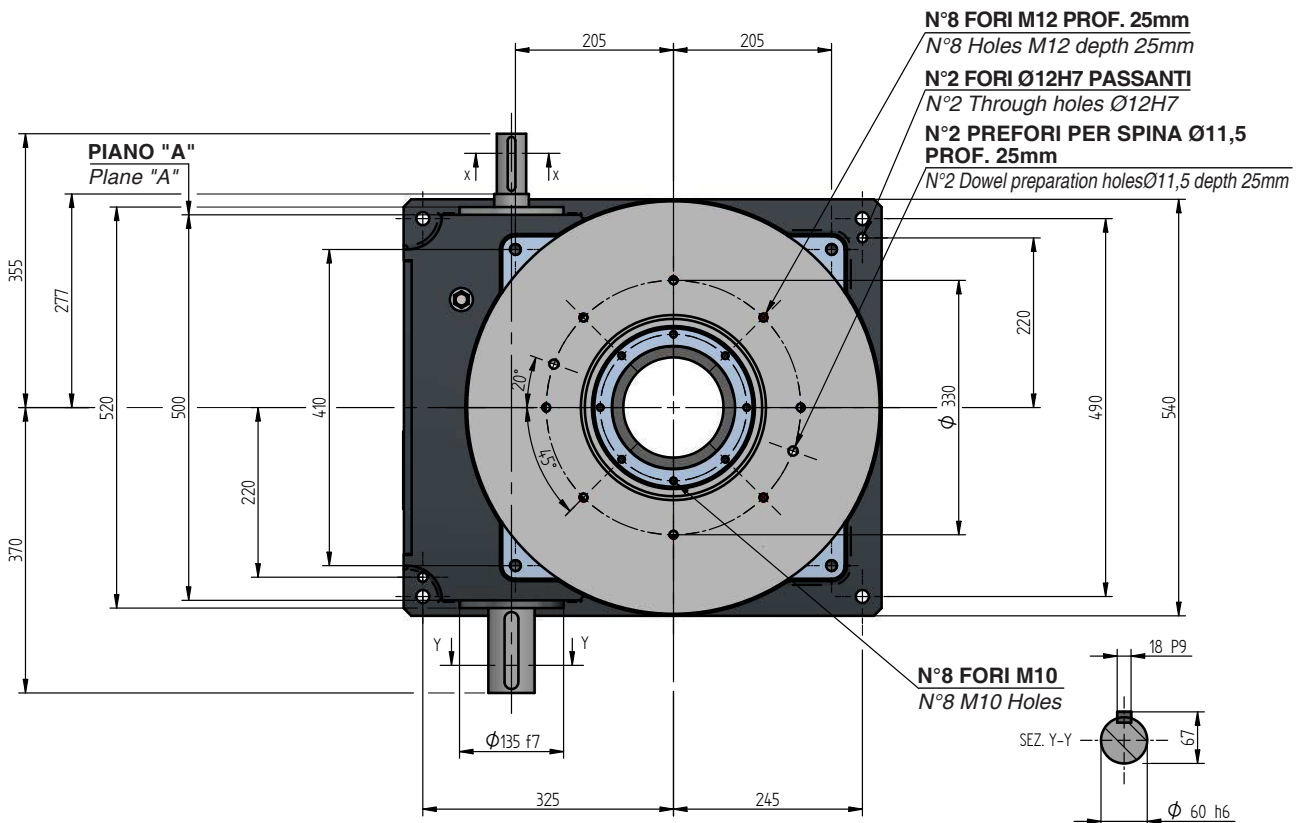
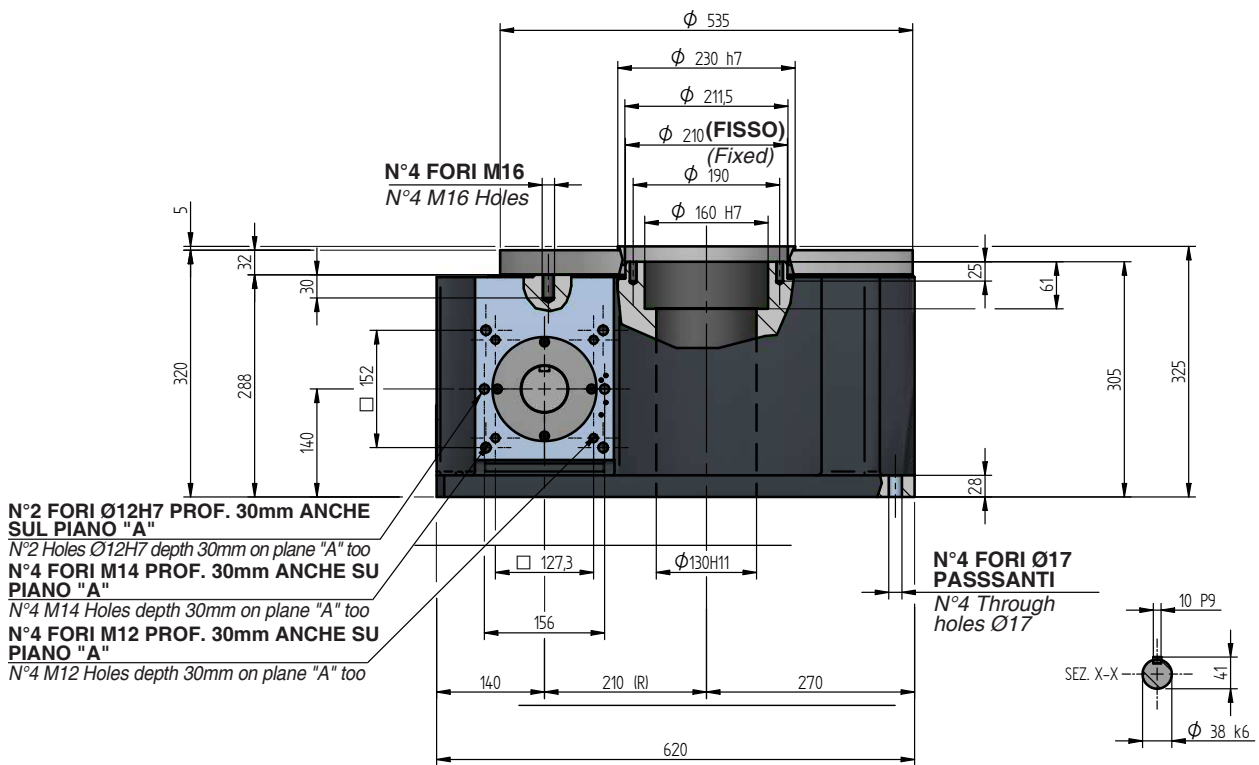


Tavola rotante

Rotary Index table

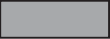

T75



KG 432 kg

Rotary index table

Divisore Indexer	Divisioni Stations	Profilo camma Cam profiles	Angoli impegnati per lo spostamento Cam rotation angle performing the transfer movements											
			90	120	150	180	210	240	270	300	315	330		
T 95	2	1												
	3													
	4													
	5													
	6													
	7													
	8													
	9													
	10													
	12													
	14													
	15													
	16	2												
	18													
	20													
	24													
	28													
	30		3											
32	2													
36	3													

-  **ANGOLI DI CAMMA REALIZZABILI**
FEASIBLE CAM TRANSFER ANGLES
-  **ANGOLI DI CAMMA REALIZZABILI CON CONTROLLO TECNICO AUTOROTOR**
CAM TRANSFER ANGLES FEASIBLE UNDER AUTOROTOR TECHNICAL SUPERVISION

Tolleranza Tavole Rotanti

Tolerances of Rotary Index Tables

Tolleranza di ripetibilità / Repeatability tolerance:

- R : 270 mm
- **Standard:** ±0,020 mm
- **Special:** ±0,010 mm

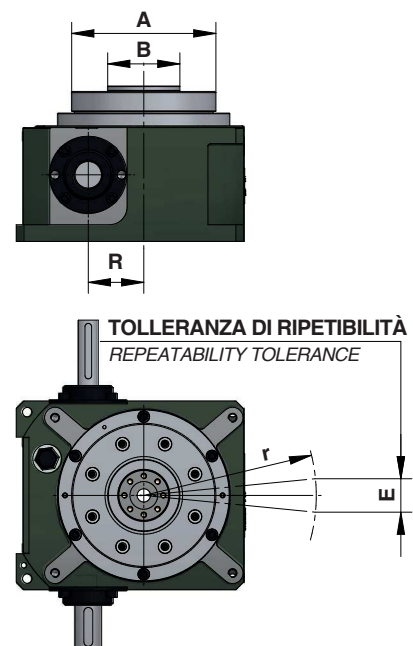
Ripetibilità - Repeatability E (+/- mm)	R = 270	R = 500	R = 1000
Standard	0,020	0,037	0,074
Special	0,010	0,019	0,037

Planarità disco / Disc flatness:

- A: 700 mm
- **Total:** 0,030 mm

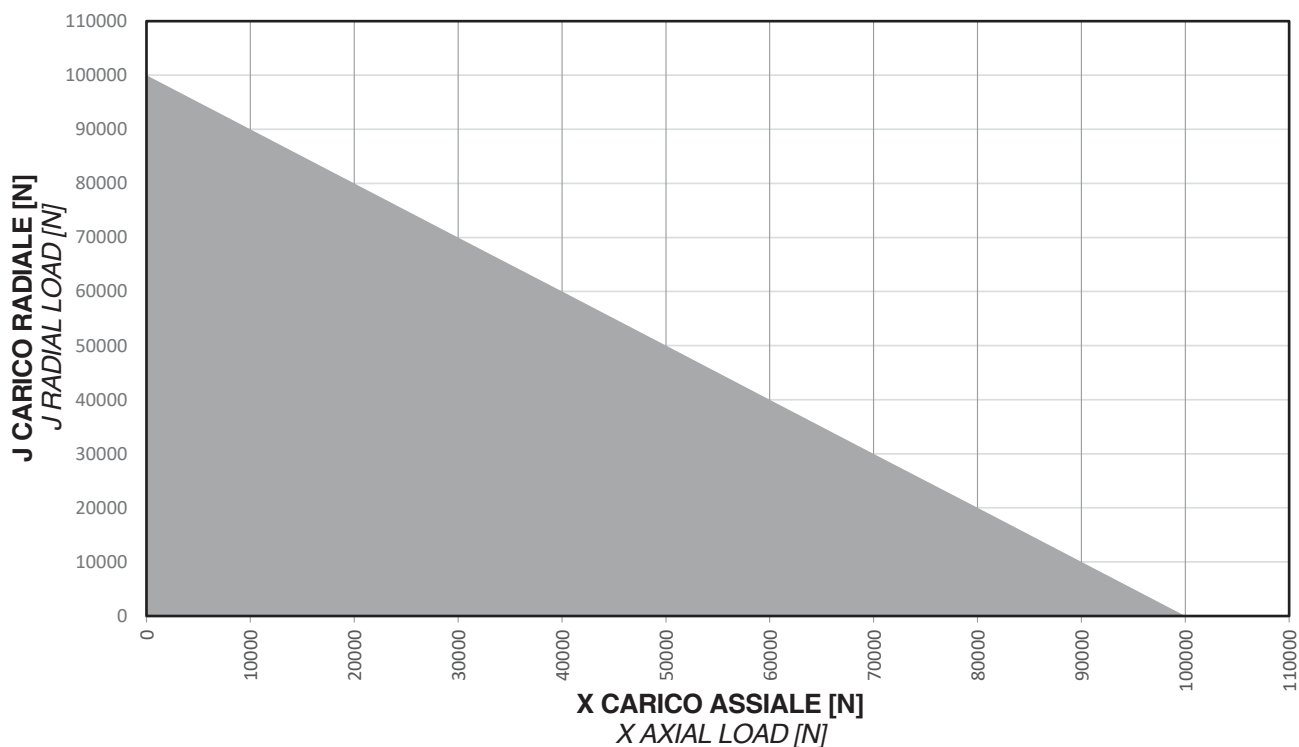
Eccentricità disco / Disc eccentricity:

- B: 320 mm
- **Total:** 0,030 mm

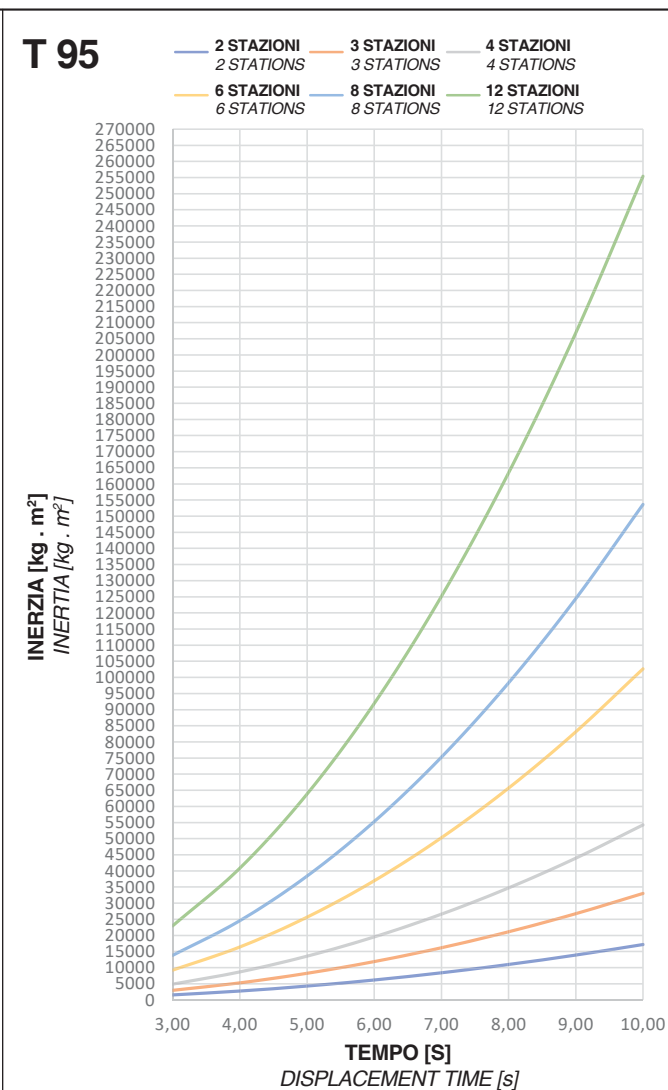
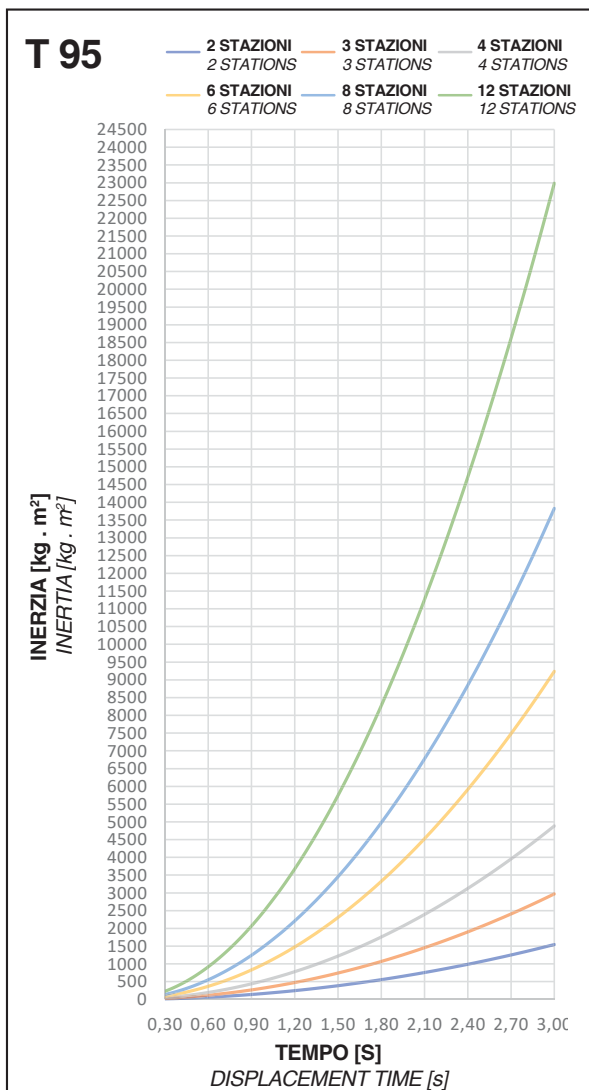


Carichi assiali e radiali

Max axial and radial loads



T 95



IL GRAFICO È INDICATIVO, PER IDENTIFICARE UN CORRETTO DIMENSIONAMENTO, CONSIGLIAMO DI RICHIEDERE UN CALCOLO DEDICATO AL NOSTRO UFFICIO TECNICO
 THE GRAPH IS INDICATIVE, TO IDENTIFY A CORRECT SIZING, WE RECOMMEND REQUESTING A DEDICATED CALCULATION FROM OUR TECHNICAL DEPARTMENT

ROTARY TABLES

Axial and radial loads

TIPO TAVOLA <i>Type Table</i>	Carichi massimi sul disco rotante Max load on indexing disk			
	combinati <i>combined</i>		momenti <i>torque</i>	
	assiale <i>axia</i> X	radiale <i>radial</i> J	ribaltante <i>overturning</i> Yr	in pausa <i>in dwell</i> Mp
	N		Nm	
T 95	100000	100000	7000	28580

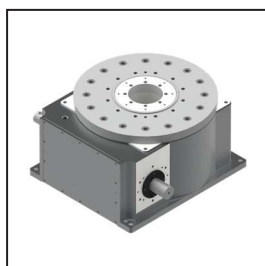
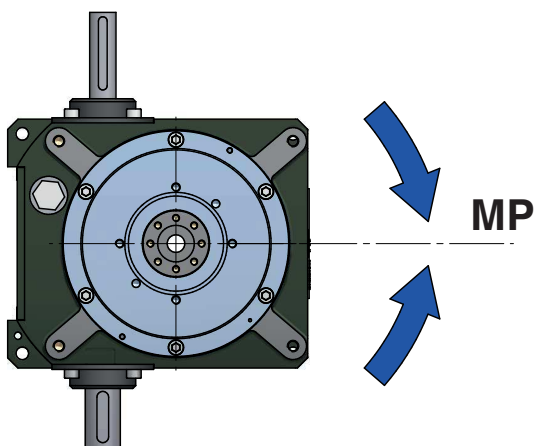
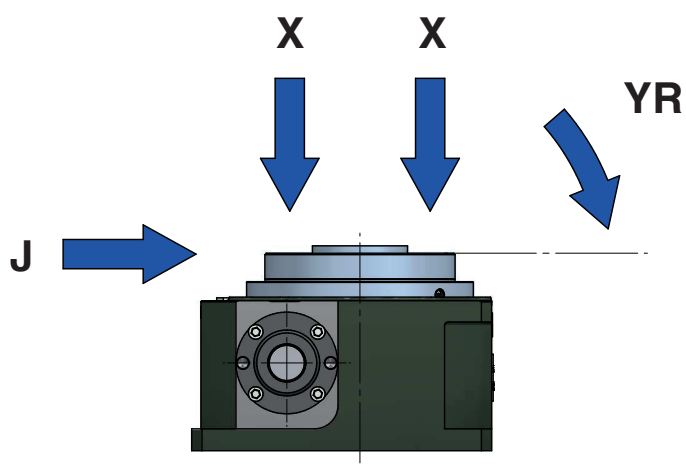
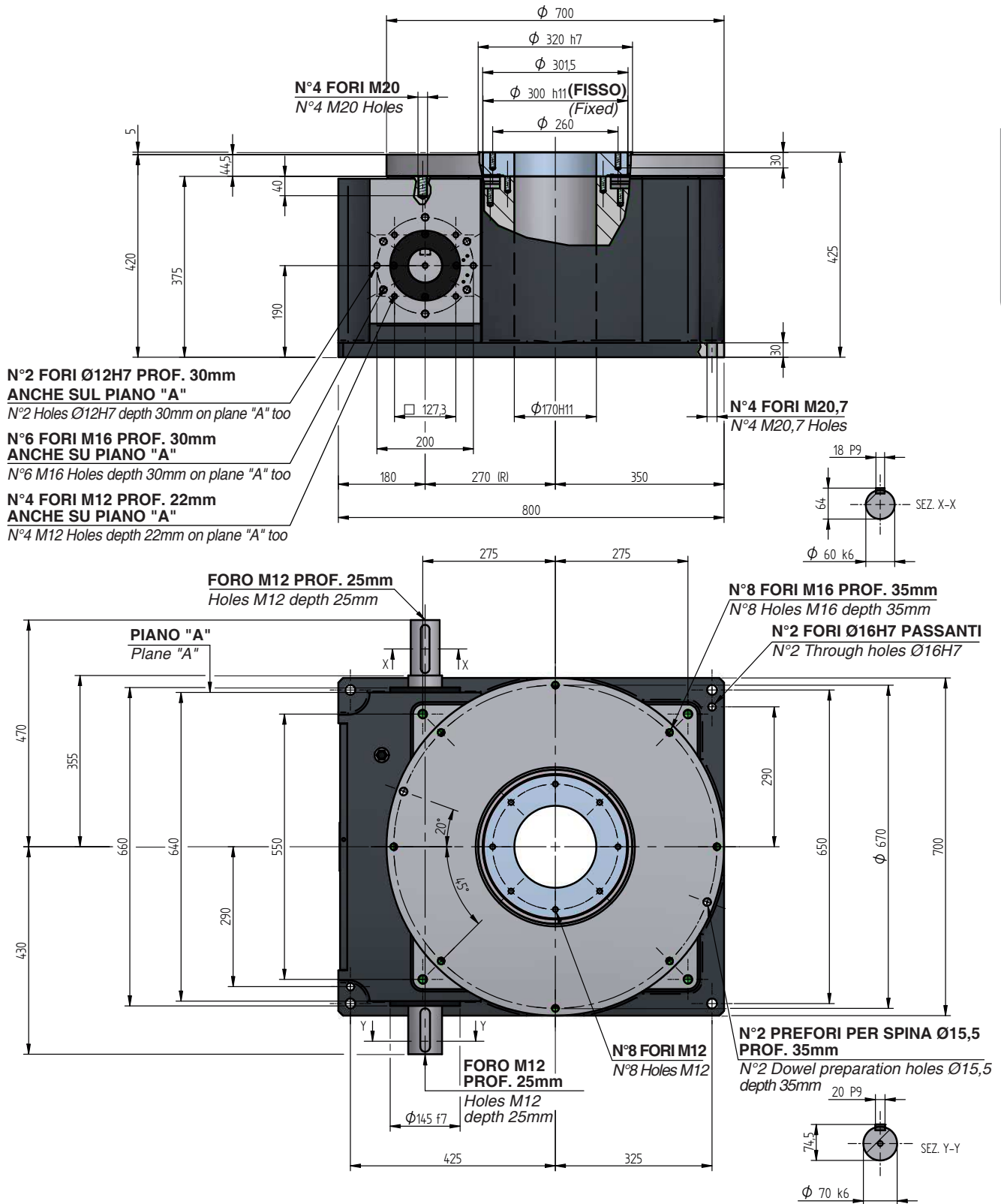


Tavola rotante

Rotary Index table

T95



KG 936 kg

ROTARY TABLES

Rotary index table

Divisore Indexer	Divisioni Stations	Profilo camma Cam profiles	Angoli impegnati per lo spostamento Cam rotation angle performing the transfer movements											
			90	120	150	180	210	240	270	300	315	330		
T 105	2	1												
	3													
	4													
	5													
	6													
	7													
	8													
	9													
	10													
	12													
	14													
	15													
	16	2												
	18													
	20													
	24													
	28													
	30		3											
32	2													
36	3													



ANGOLI DI CAMMA REALIZZABILI
FEASIBLE CAM TRANSFER ANGLES



ANGOLI DI CAMMA REALIZZABILI CON CONTROLLO TECNICO AUTOROTOR
CAM TRANSFER ANGLES FEASIBLE UNDER AUTOROTOR TECHNICAL SUPERVISION

Tolleranza Tavole Rotanti

Tolerances of Rotary Index Tables

Tolleranza di ripetibilità / Repeatability tolerance:

- R : 380 mm
- Standard: ±0,020 mm
- Special: ±0,010 mm

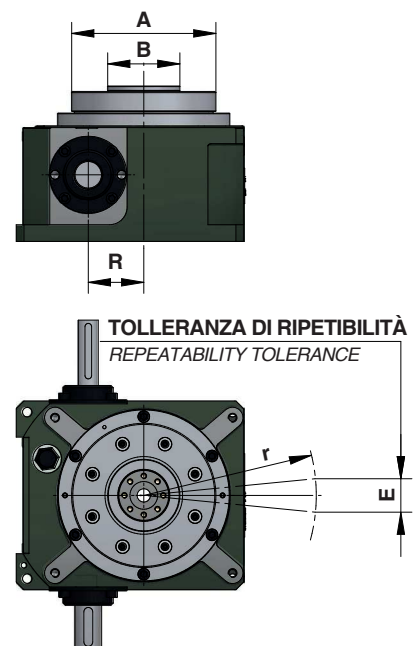
Ripetibilità - Repeatability E (+/- mm)	R = 380	R = 700	R = 1200
Standard	0,020	0,037	0,063
Special	0,010	0,018	0,032

Planarità disco / Disc flatness:

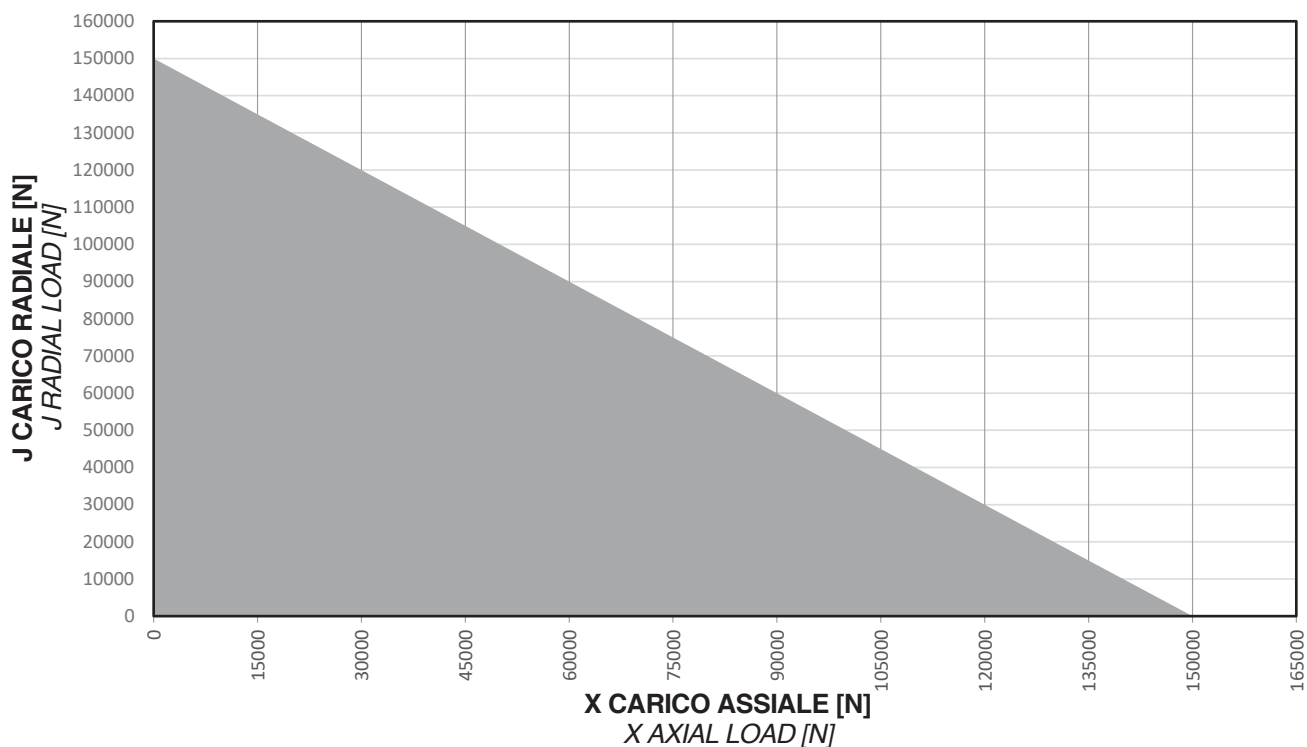
- A: 1000 mm
- Total: 0,030 mm

Eccentricità disco / Disc eccentricity:

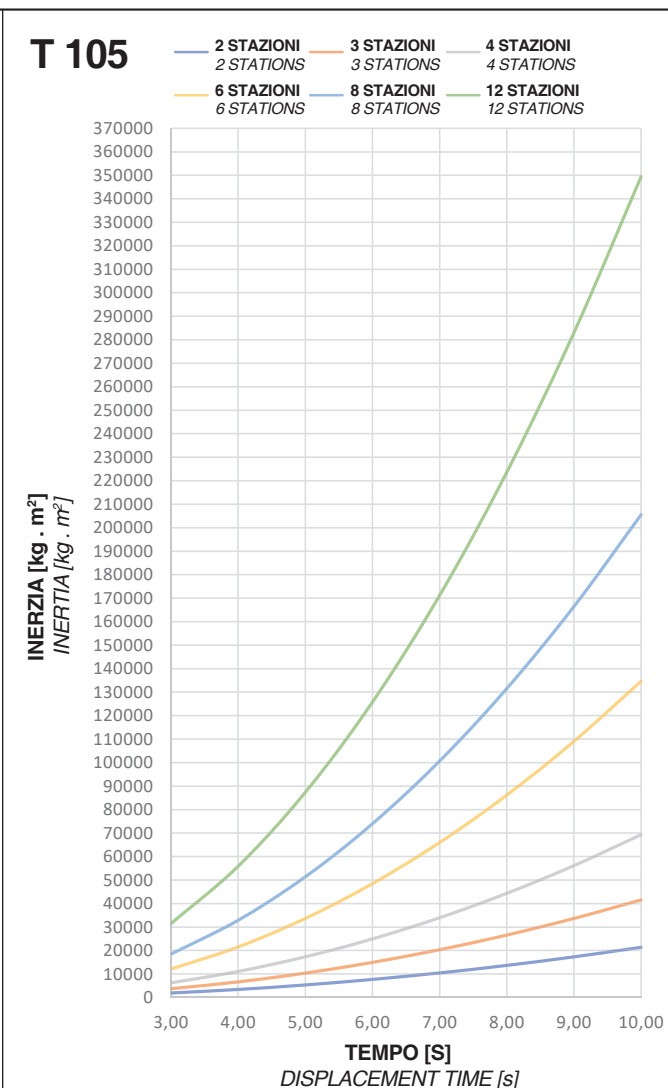
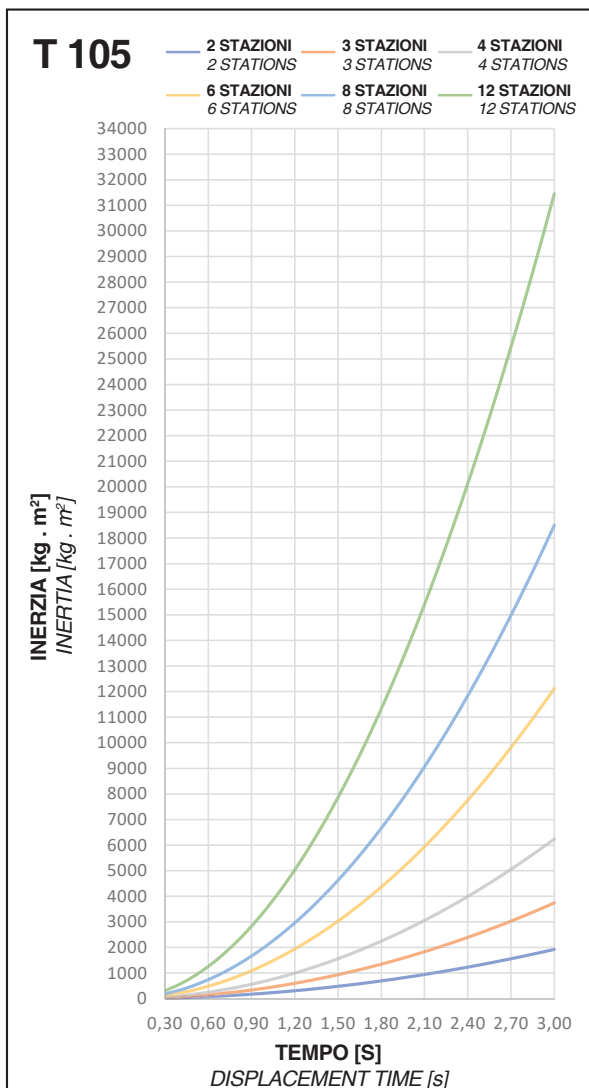
- B: 400 mm
- Total: 0,030 mm



Max axial and radial loads



T 105



IL GRAFICO È INDICATIVO, PER IDENTIFICARE UN CORRETTO DIMENSIONAMENTO, CONSIGLIAMO DI RICHIEDERE UN CALCOLO DEDICATO AL NOSTRO UFFICIO TECNICO
THE GRAPH IS INDICATIVE, TO IDENTIFY A CORRECT SIZING, WE RECOMMEND REQUESTING A DEDICATED CALCULATION FROM OUR TECHNICAL DEPARTMENT

Axial and radial loads

TIPO TAVOLA <i>Type Table</i>	Carichi massimi sul disco rotante Max load on indexing disk			
	combinati <i>combined</i>		momenti <i>torque</i>	
	assiale <i>axia</i> X	radiale <i>radial</i> J	ribaltante <i>overturning</i> Yr	in pausa <i>in dwell</i> Mp
	N		Nm	
T 105	150000	150000	10000	42330
T 105R	250000	250000	15000	42330

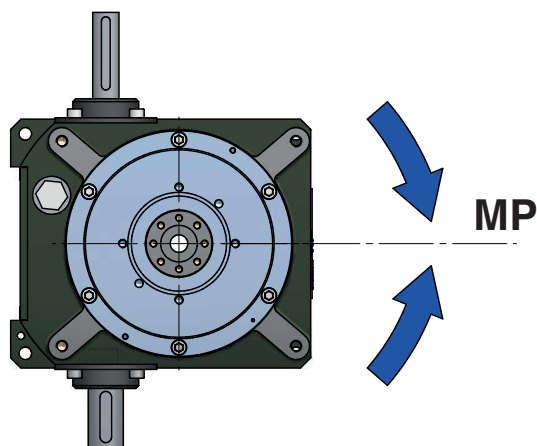
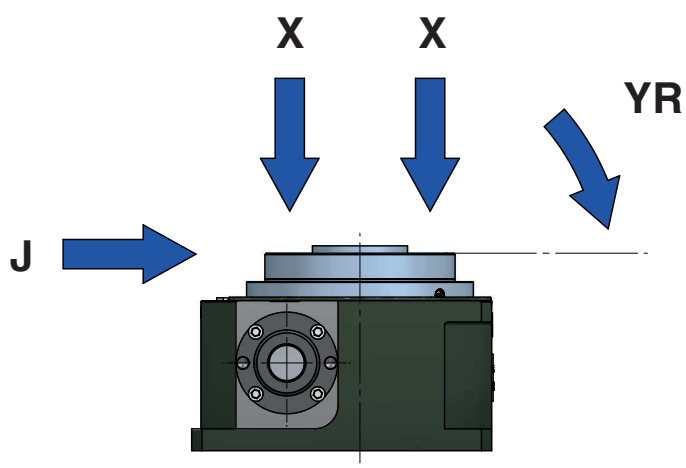


Tavola rotante

Rotary Index table

T105

