

**FT**



EU  
Head  
Office

**CDS Cam Driven Systems**  
div. Bettinelli F.lli S.p.A  
Via Leonardo da Vinci 56  
26010 Bagnolo Cr.sco (CR)  
Phone +39 0373 237 311  
Fax +39 0373 237 538  
cds@bettinelli.it  
www.cdsindexers.eu



U.S.A.  
Corporate  
Office

**GATE Technologies, Inc.**  
27 Wilson Drive, Unit C  
Sparta NJ 07871  
Phone +1 973 300 0090  
Fax +1 973 300 0061  
info@GateTi.com  
www.GateTi.com



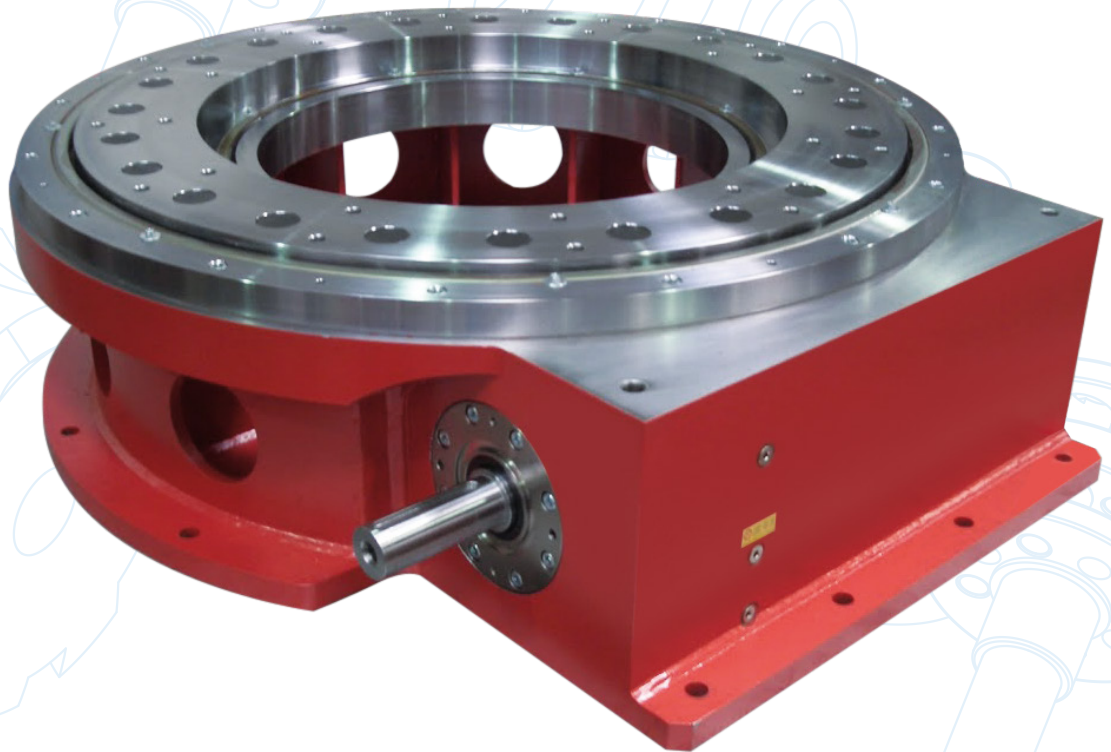
Germany  
Corporate  
Office

**GATE Deutschland GmbH**  
Ulrichstrasse 9  
86641 Rain am Lech  
Phone +49(0)9090 7057110  
Fax +49(0)9090 7057113  
info@cdsindexers.de  
www.cdsindexers.de



India  
Corporate  
Office

**Bettinelli Automation  
Components Pvt. Ltd.**  
Office # 3, 1st Floor  
Destination Center  
Magarpatta City Hadapsar  
Pune 411-013  
Phone +91 20 6723 6484  
Fax +91 20 6723 6485  
info@bettinelli.in  
www.bettinelli.in  
www.cdsindexers.in



RING TABLE  
TAVOLE AD ANELLO  
RING DREHTISCHE  
TABLES ROTATIVES  
MESAS GIRATORIAS





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**TECHNICAL DESCRIPTION**

- **Sizes:**  
FT 320-450-590-850-1350 iron alloy housing, painted red RAL3000
- **Stops:**  
6,8,12,16,24,30,36

The FT ring tables utilize an internal cylindrical barrel cam mechanism which meets the following requirements:

- Self supported housing structure eliminates need for additional machine base or other support
- Wide open center provides more internal free space for your tooling and equipment
- Four-points contact bearing on output support which minimizes friction and operating temperature for high efficiency
- **Without backlash**
- **Can be used vertically and over-under, except FT-1350**
- **3D models available on the web**

English

**DESCRIZIONE TECNICA**

- **Grandezze:**  
FT 320-450-590-850-1350 carcassa in ghisa, verniciatura rosso RAL3000
- **Stazioni:**  
6,8,12,16,24,30,36

Le tavole FT sono meccanismi a camma cilindrica che soddisfano i seguenti requisiti:

- Struttura autoportante che non necessita di supporti addizionali. Ciò rende più semplice l'utilizzo e fornisce migliore planarità e ripetibilità
- Grande foro centrale passante completamente utilizzabile
- Cuscinetto a 4 punti di contatto posizionato sul diametro esterno del disco divisore. In questo modo si minimizzano gli attriti e le temperature di esercizio migliorando il rendimento dell'unità
- **Assenza di giochi**
- **Possono lavorare in verticale e sotto-sopra, eccetto FT-1350**
- **Modelli 3D disponibili sul web**

Italiano

**TECHNISCHE BESCHREIBUNG**

- **Größen:**  
FT 320-450-590-850-1350 Gehäuse aus Gusseisen, lackiert rot RAL3000
- **Stationen:**  
6,8,12,16,24,30,36

Die FT Rundschalttische werden durch einen zylindrischen Nocken angetrieben und besitzen folgende Eigenschaften:

- Eine selbsttragende Struktur bei der keine zusätzlichen Adapter benötigt werden. Damit werden sowohl Anwendungen erleichtert als auch eine erhöhte Steifigkeit und eine verbesserte Planarität erreicht
- Große durchgängige Mittenöffnung, komplett offen und gebrauchsfertig
- Externes Drahtwälzlager am äußeren Durchmesser der Ausgangsscheibe. Dadurch wird die Reibung und Betriebstemperatur gesenkt und die Effizienz gesteigert
- **Ohne spiel**
- **Waagerechte und senkrechte Einbauposition möglich, außer FT-1350**
- **3D-Modelle im Web verfügbar**

Deutsch

Rotating ring • Anello rotante • Drehring  
bague • Tourmante • Anillo giratorio

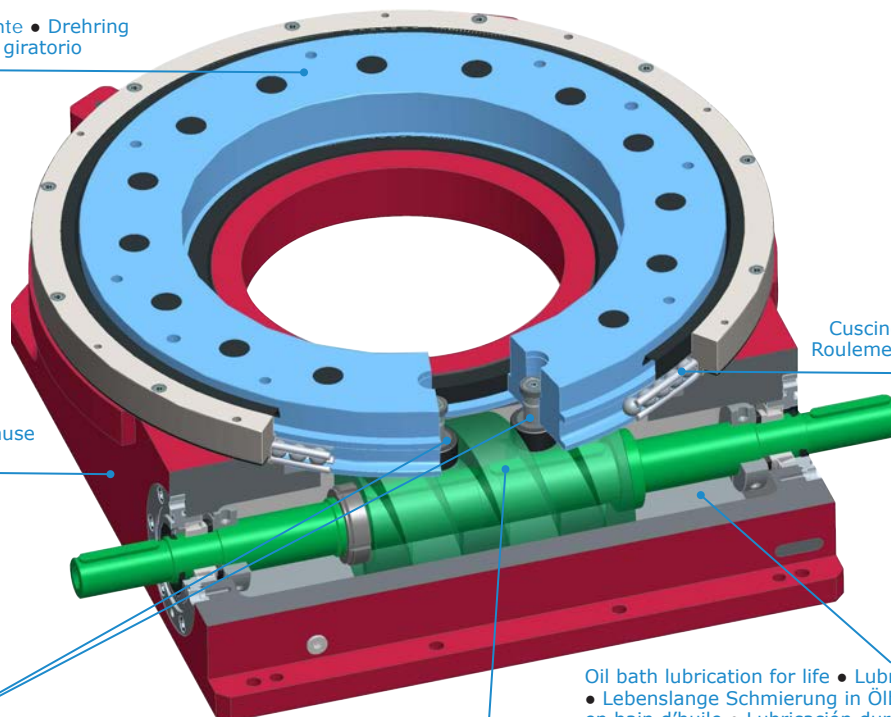
Housing • Carcassa • Gehäuse  
• Carcasse • Carcasa

Double engaged solid cam followers • Perni folli  
• Freilaufbolzen • Galets fous • Pernos libres

Induction hardened cam • Camma temprata per induzione  
• Induktionsgehärteter Nocken • Came trempée par induction • Leva templada por inducción

Output support bearing • Cuscinetto di base • Ausgang Lager  
• Roulement de base • Coijnete de salida

Oil bath lubrication for life • Lubrificazione a vita in bagno d'olio  
• Lebenslange Schmierung in Ölbad • Lubrification à vie en bain d'huile • Lubricación durante vida útil en baño de aceite





#### DESCRIPTION TECHNIQUE

- **Dimension:**  
FT 320-450-590-850-1350 carcasse en fonte, peinture rouge RAL3000
- **Stations:**  
6,8,12,16,24,30,36

Les tables FT sont des mécanismes à came cylindrique qui satisfont les exigences suivantes:

- Structure auto portante qui ne nécessite pas de supports supplémentaires. Ceci facilite l'utilisation et fournit une meilleure planéité et répétabilité
- Grand trou traversant central complètement utilisable
- Roulement à 4 points de contact positionné sur le diamètre externe du disque diviseur. De cette façon, les frictions et les températures d'exercice sont minimisées et le rendement de l'unité amélioré
- Sans jeux
- Position de montage vertical ou horizontal, excepté FT-1350
- Modèles 3D disponibles sur le web

#### DESCRIPCIÓN TÉCNICA

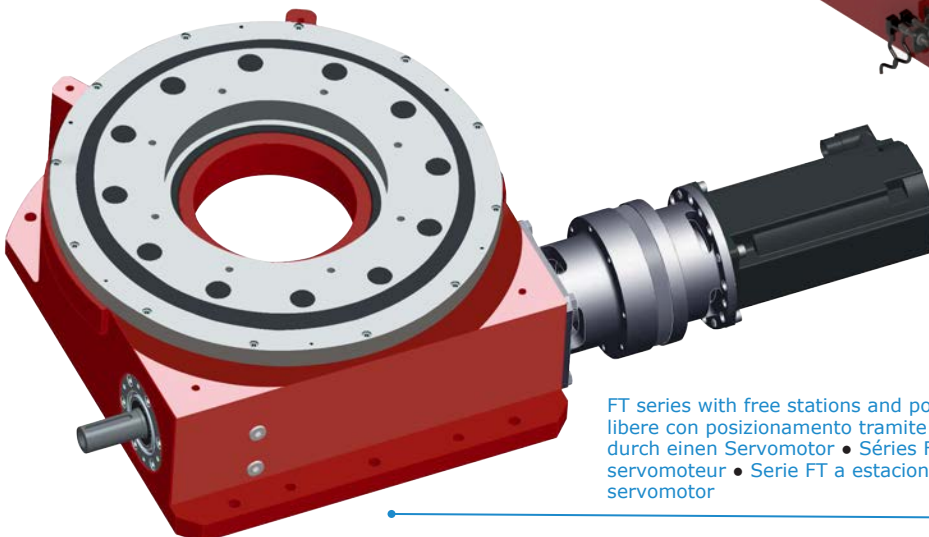
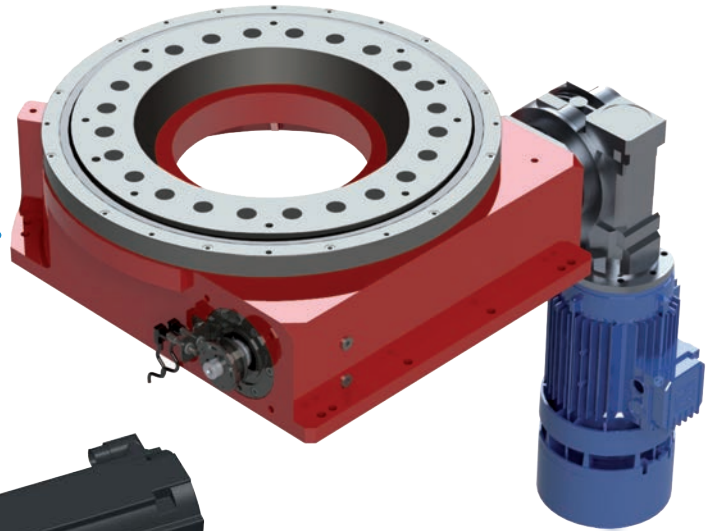
- **Dimensiones:**  
FT 320-450-590-850-1350 carcasa de fundición, pintura roja RAL3000
- **Estaciones:**  
6,8,12,16,24,30,36

Las mesas FT son mecanismos con levas cilíndricas y satisfacen las siguientes necesidades:

- Estructura auto-apoyada donde no son necesarios los marcos adicionales para la colocación. Las aplicaciones se hacen más fáciles y la rigidez se ve afectada positivamente
- Gran agujero central listo para ser usado
- Cuatro puntos de salida soportando el diámetro externo del anillo de salida. La fricción y la temperatura de funcionamiento se minimizan y la eficacia se aumenta
- No juego
- Posición de trabajo horizontal o vertical, excepto FT-1350
- Modelos en 3D disponibles en el sitio Web

AVAILABLE EXECUTIONS • ESECUZIONI DISPONIBILI • ERHÄLTICHE AUSFÜHRUNGEN •  
EXÉCUTIONS DISPONIBLES • EJECUCION DISPONIBLE

FT series with fixed stations by electromechanical cam positioning • Serie FT a divisioni fisse con posizionamento meccanico a camma • FT Serie mit fester Anzahl von Stopps und Positionierung durch elektromechanische Schaltnocken • Séries FT à divisions fixes avec positionnement mécanique à came • Serie FT a estaciones fijas con posicionamento mecánico a leva



FT series with free stations and positioning by servomotor • Serie FT a divisioni libere con posizionamento tramite servomotore • FT Serie mit freier Positionierung durch einen Servomotor • Séries FT à divisions libres avec positionnement par servomoteur • Serie FT a estaciones libres con posicionamento a través del servomotor



English

**LOADS ON OUTPUT FLANGE**

Fa = Axial force (N)  
 Fr = Radial Force (N)  
 Mr = Overturning moment (Nm)  
 b,dr = Distance (m)

$Mr = Fr \cdot b$   
 $Mr = Fa \cdot b$

Italiano

**CARICHI SUL DIVISORE**

Fa = Forza assiale (N)  
 Fr = Forza radiale (N)  
 Mr = Momento ribaltante (Nm)  
 b,dr = Distanza (m)

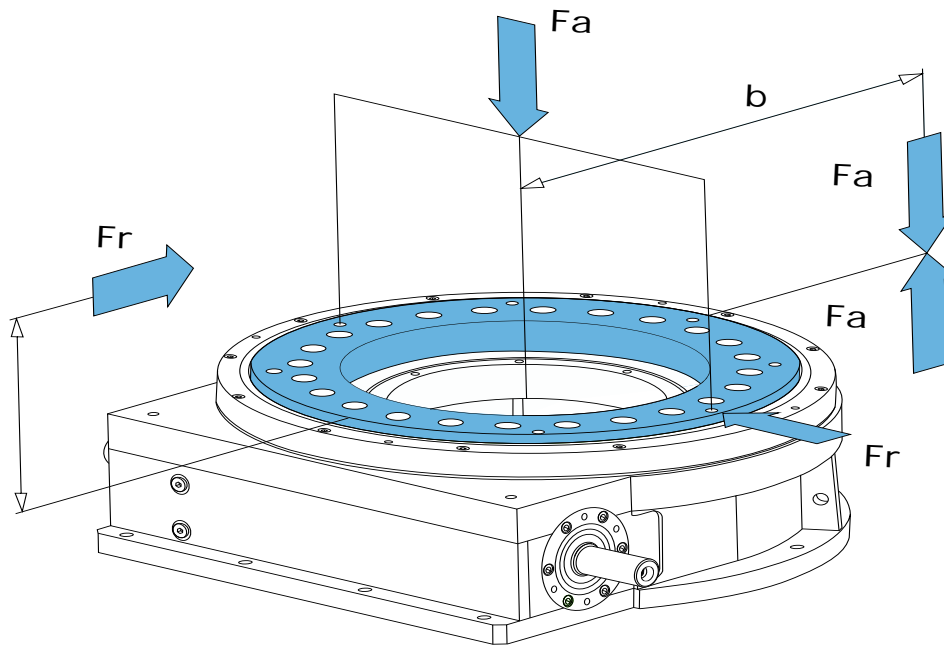
$Mr = Fr \cdot b$   
 $Mr = Fa \cdot b$

Deutsch

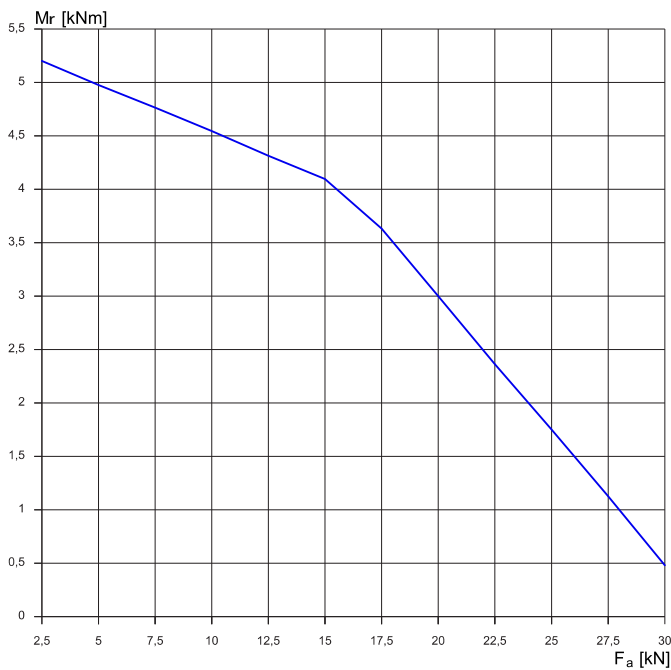
**LASTEN AUF DEM TEILGERÄT**

Fa = Längskraft (N)  
 Fr = Radialkraft (N)  
 Mr = Kippmoment (Nm)  
 b,dr = Abstand (m)

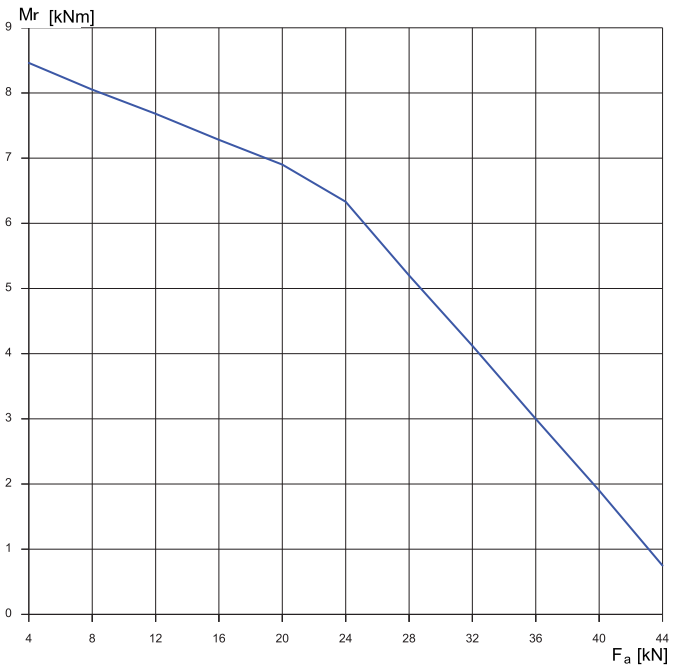
$Mr = Fr \cdot b$   
 $Mr = Fa \cdot b$



FT 320



FT 450





Française

**CHARGES SUR LE DIVISEUR**

Fa = Force axiale (N)  
 Fr = Force radiale (N)  
 Mr = Moment renversé (Nm)  
 b,dr = Distance (m)

$$Mr = Fr \cdot b$$

$$Mr = Fa \cdot b$$

Español

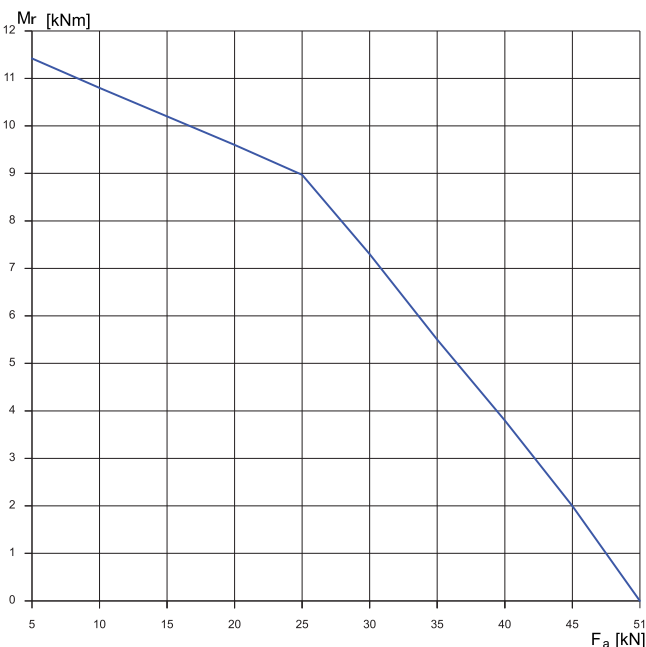
**CARGAS EN EL DIVISOR**

Fa = Fuerza axial (N)  
 Fr = Fuerza radial (N)  
 Mr = Momento de vuelco (Nm)  
 b,dr = Distancia (m)

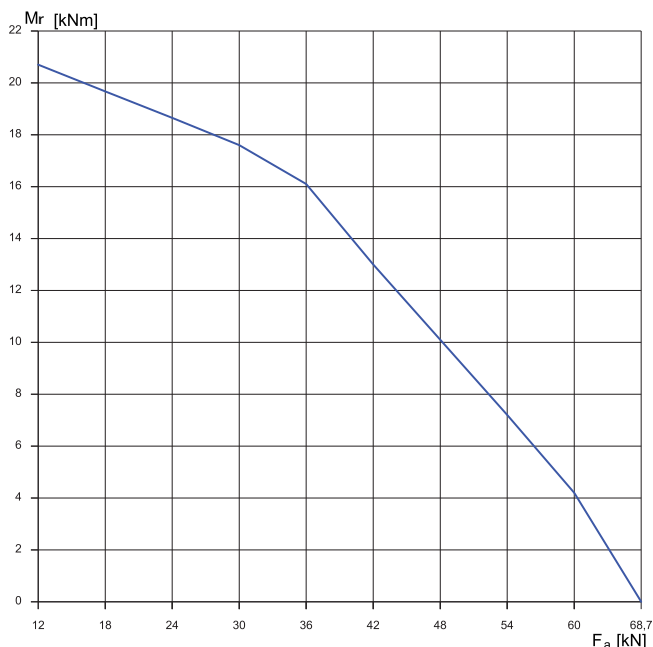
$$Mr = Fr \cdot b$$

$$Mr = Fa \cdot b$$

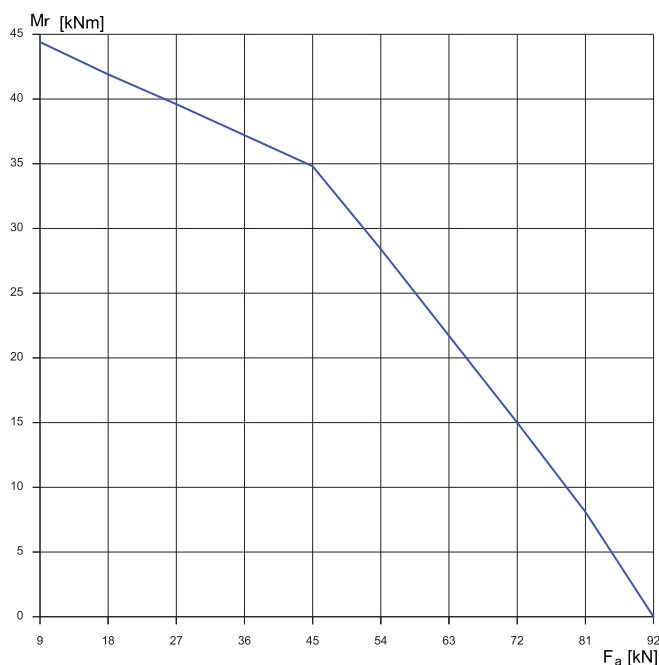
FT 590



FT 850



FT 1350



- The diagram shows the combination of axial load and tilt moment for a calculated lifetime of 10.000h at rpm\*. Radial loads are not considered.
- Il grafico mostra la combinazione del carico assiale e del momento ribaltante per una vita di 10.000h calcolato in rpm\*. I carichi radiali non sono considerati.
- Das Diagramm zeigt das Verhältnis zwischen Längskraft und Kippmoment für eine berechnete Lebensdauer von 10.000 Stunden bei rpm\*. Radialkräfte sind nicht berücksichtigt.
- Le graphique montre la combinaison du chargement axiale et du moment de renversement pour une durée de vie de 10.000h calculées en rpm\*. Les chargements radiaux ne sont pas pris en compte.
- El gráfico muestra la combinación de la carga axial y del momento torsor para un cálculo de vida en 10.000 horas a rpm\*. Las cargas radiales no están consideradas.

**\*RPM:**

FT-320	6,6rpm
FT-450	6,6rpm
FT-590	5,5 rpm
FT-850	3,9rpm
FT-1350	2,6rpm



FT

C013/4 - 01/2016

TECHNICAL DATA • DATI TECNICI • TECHNISCHE ANGABEN • DONNEES TECHNIQUES • DATOS TÉCNICOS

ENG	Type	Stops No.	Index angle	Maximum output torque - Mtu (Nm) Speed (rpm)				Motion coefficient			Ptc. rad.	Roller Ø	Inertia	Mch.frt (•)	
								Acc.	Speed	Disp.					
ITA	Tipo	N° divisioni	Angolo traslazione	Max. momento torcente - Mtu (Nm) Velocità (rpm)				Coefficienti di moto			R. prim.	Ø Rullo	Inerzia	Attr. m (•)	
DEU	Typ	Anzahl Teilun.	Index Winkel					Max. Drehmoment - Mtu (Nm) Schnelligkeit (rpm)							Bewegungskoeffizient
FRA	Modèle	Nombre de divisions	Angle de transl.	Couple maxi admis Mtu (Nm) Vitesse (rpm)								Coefficients de mouvement			R. Moyen
ESP	Tipo	Numero division.	Ángulo de traslac.					Max. momento torsión - Mtu (Nm) Velocidad (rpm)				Coeficientes de movimientos			
		S	(a°)	25 rpm	50 rpm	75 rpm	100 rpm					Ca	Cv	Ck	Rp (mm)
FT	320	6	300	850	850	850	850	5.53	1.76	5.46	160	30	0.72	28.90	
FT	450			1220	1220	1220	1220	5.53	1.76	5.46	225	30	3.30	45.60	
FT	590			2450	2350	2200	1950	5.53	1.76	5.46	295	35	8.03	69.70	
FT	850			7000	7000	7000	7000	5.53	1.76	5.46	425	50	34.50	103.30	
FT	1350			9700	9700	9700	9700	5.53	1.76	5.46	675	50	190.00	220.00	
FT	320	8	220	610	610	610	550	5.53	1.76	5.46	160	25	0.72	28.90	
FT	450			1500	1500	1500	1350	5.53	1.76	5.46	225	35	3.30	45.60	
FT	590			1950	1950	1950	1800	5.53	1.76	5.46	295	35	8.03	69.70	
FT	850			8200	8200	8200	7500	5.53	1.76	5.46	425	60	34.50	82.70	
FT	1350			9300	9300	9300	8300	5.53	1.76	5.46	675	50	190.00	119.50	
FT	320		300	940	940	940	940	940	5.53	1.76	5.46	160	30	0.72	28.90
FT	450				1800	1800	1800	1800	5.53	1.76	5.46	225	35	3.30	45.60
FT	590				2900	2900	2900	2900	5.53	1.76	5.46	295	40	8.03	69.70
FT	850				14000	14000	14000	14000	5.53	1.76	5.46	425	80	34.50	82.70
FT	1350				14300	14300	14300	14300	5.53	1.76	5.46	675	60	190.00	119.50
FT	320	12	150	720	720	592	475	5.53	1.76	5.46	160	30	0.72	28.90	
FT	450			1600	1600	1330	1080	5.53	1.76	5.46	225	40	3.30	45.60	
FT	590			2850	2850	2300	1900	5.53	1.76	5.46	295	50	8.03	69.70	
FT	850			4100	4100	3350	2700	5.53	1.76	5.46	425	40	34.50	103.30	
FT	1350			8500	8500	7200	-	5.53	1.76	5.46	675	50	190.00	220.00	
FT	320		300	1700	1700	1700	1700	1700	5.53	1.76	5.46	160	40	0.72	28.90
FT	450				2500	2500	2500	2500	5.53	1.76	5.46	225	40	3.30	45.60
FT	590				5800	5800	5800	5800	5.53	1.76	5.46	295	60	8.03	69.70
FT	850				10500	10500	10500	10500	5.53	1.76	5.46	425	60	34.50	103.30
FT	1350				23600	23600	23600	23600	5.53	1.76	5.46	675	80	190.00	220.00
FT	320	16	120	670	670	480	390	5.53	1.76	5.46	160	30	0.72	28.90	
FT	450			1300	1300	870	780	5.53	1.76	5.46	225	35	3.30	45.60	
FT	590			2000	2000	1400	1200	5.53	1.76	5.46	295	40	8.03	69.70	
FT	850			7250	7250	5100	4300	5.53	1.76	5.46	425	60	34.50	82.70	
FT	1350			8200	8200	-	-	5.53	1.76	5.46	675	50	190.00	119.50	
FT	320		300	1050	1050	1050	1050	1050	5.53	1.76	5.46	160	30	0.72	28.90
FT	450				2650	2650	2650	2650	5.53	1.76	5.46	225	40	3.30	45.60
FT	590				5300	5300	5300	5300	5.53	1.76	5.46	295	50	8.03	69.70
FT	850				17000	17000	17000	17000	5.53	1.76	5.46	425	80	34.50	82.70
FT	1350				17200	17200	17200	17200	5.53	1.76	5.46	675	60	190.00	119.50
FT	320	24	90	440	330	280	240	5.53	1.76	5.46	160	20	0.72	11.90	
FT	450			730	540	450	390	5.53	1.76	5.46	225	25	3.30	24.60	
FT	590			1250	910	730	660	5.53	1.76	5.46	295	30	8.03	35.60	
FT	850			5400	4200	3300	2900	5.53	1.76	5.46	425	50	34.50	103.30	
FT	1350			8000	5800	-	-	5.53	1.76	5.46	675	60	190.00	220.00	
FT	320		300	780	780	780	780	780	5.53	1.76	5.46	160	25	0.72	11.90
FT	450				2150	2150	2150	2150	5.53	1.76	5.46	225	35	3.30	24.60
FT	590				3550	3550	3550	3550	5.53	1.76	5.46	295	40	8.03	35.60
FT	850				11500	11500	11500	11500	5.53	1.76	5.46	425	60	34.50	103.30
FT	1350				27800	27800	27800	27800	5.53	1.76	5.46	675	80	190.00	220.00




**TECHNICAL DATA • DATI TECNICI • TECHNISCHE ANGABEN • DONNEES TECHNIQUES • DATOS TÉCNICOS**

ENG	Type	Stops No.	Index angle	Maximum output torque - Mtu (Nm) Speed (rpm)				Motion coefficient			Ptc. rad.	Roller Ø	Inertia	Mch.frt (•)
								Acc.	Speed	Disp.				
ITA	Tipo	N° divisioni	Angolo traslazione	Max. momento torcente - Mtu (Nm) Velocità (rpm)				Coefficienti di moto			R. prim.	Ø Rullo	Inerzia	Attr. m (•)
DEU	Typ	Anzahl Teilun.	Index Winkel					Max. Drehmoment - Mtu (Nm) Schnelligkeit (rpm)						
FRA	Modèle	Nombre de divisions	Angle de transl.	Couple maxi admis Mtu (Nm) Vitesse (rpm)								Coefficients de mouvement		
ESP	Tipo	Numero division.	Ángulo de traslac.					Max. momento torsión - Mtu (Nm) Velocidad (rpm)				Coeficientes de movimientos		
		S	(a°)	25 rpm	50 rpm	75 rpm	100 rpm					Ca	Cv	Ck
FT	320	30	90	375	280	220	220	5.53	1.76	5.46	160	16	0.72	10.00
FT	450			690	510	410	380	5.53	1.76	5.46	225	20	3.30	20.30
FT	590			1050	790	620	570	5.53	1.76	5.46	295	30	8.03	45.20
FT	850			4150	3100	2500	2300	5.53	1.76	5.46	425	40	34.50	87.00
FT	1350			9400	7800	-	-	5.53	1.76	5.46	675	60	190.00	121.60
FT	320		630	630	630	630	5.53	1.76	5.46	160	20	0.72	10.00	
FT	450		1550	1550	1550	1550	5.53	1.76	5.46	225	30	3.30	20.30	
FT	590		2900	2900	2900	2900	5.53	1.76	5.46	295	35	8.03	45.20	
FT	850		11500	11500	11500	11500	5.53	1.76	5.46	425	60	34.50	87.00	
FT	1350		29000	29000	29000	2900	5.53	1.76	5.46	675	80	190.00	121.60	
FT	320	36	75	292	195	165	156	5.53	1.76	5.46	160	14	0.72	10.00
FT	450			650	420	375	350	5.53	1.76	5.46	225	20	3.30	20.30
FT	590			980	650	560	-	5.53	1.76	5.46	295	25	8.03	45.20
FT	850			3900	2600	2200	-	5.53	1.76	5.46	425	40	34.50	87.00
FT	1350			7000	4700	3400	-	5.53	1.76	5.46	675	50	190.00	121.60
FT	320		470	470	470	470	5.53	1.76	5.46	160	16	0.72	10.00	
FT	450		1050	1050	1050	1050	5.53	1.76	5.46	225	25	3.30	20.30	
FT	590		2000	2000	2000	2000	5.53	1.76	5.46	295	30	8.03	45.20	
FT	850		8500	8500	8500	8500	5.53	1.76	5.46	425	50	34.50	87.00	
FT	1350		29000	29000	29000	29000	5.53	1.76	5.46	675	80	190.00	121.60	

Starting torque; tolerance on the values indicated  $\pm 15\%$

Momento di attrito di 1° stacco;

Toleranz bzgl. der Werte  $\pm 15\%$

Moment de frottement premier détachem.; tolérance valeurs  $\pm 15\%$

Momento de fricción 1° arranque; tolerancia sobre valores  $\pm 15\%$

Values referred to the worst running conditions. Equivalent service factor = 1.75 already applied

Valori riferiti alle peggiori condizioni di utilizzo. Fattore di servizio applicato equivalente = 1.75

Werte mit Bezug auf die ungünstigsten Anwendungsbedingungen äquivalenter Betriebsfaktor = 1.75

Valeurs se référant aux pires conditions d'utilisation. Facteur de service = 1.75

Valores referidos a la peores condiciones de uso. Factor de servicio equivalente = 1.75

The schedules show some minimum and intermediate reference values.

Also possible: number of stops not indicated in the schedule, index angles not indicated in the schedule, different and customized motion.

Le tabelle riportano alcuni valori minimi ed intermedi di riferimento.

Sono realizzabili: numero di divisioni non a tabella, angoli di camma non a tabella, leggi di moto specifiche per l'applicazione.

In den Tabellen werden einige niedrige und mittlere Bezugswerte aufgeführt.

Möglich sind: Anzahl der nicht in der Tabelle aufgeführten Teilungen, nicht in der Tabelle aufgeführte Nockenwinkel, Anwendungsspezifische Bewegungsgesetze.

Les tableaux reportent des valeurs de référence mini. et moyennes.

Possibilités: nombre de divisions non comprises dans tableau, angles de came non compris dans tableau, loi de mouvement spéciale.

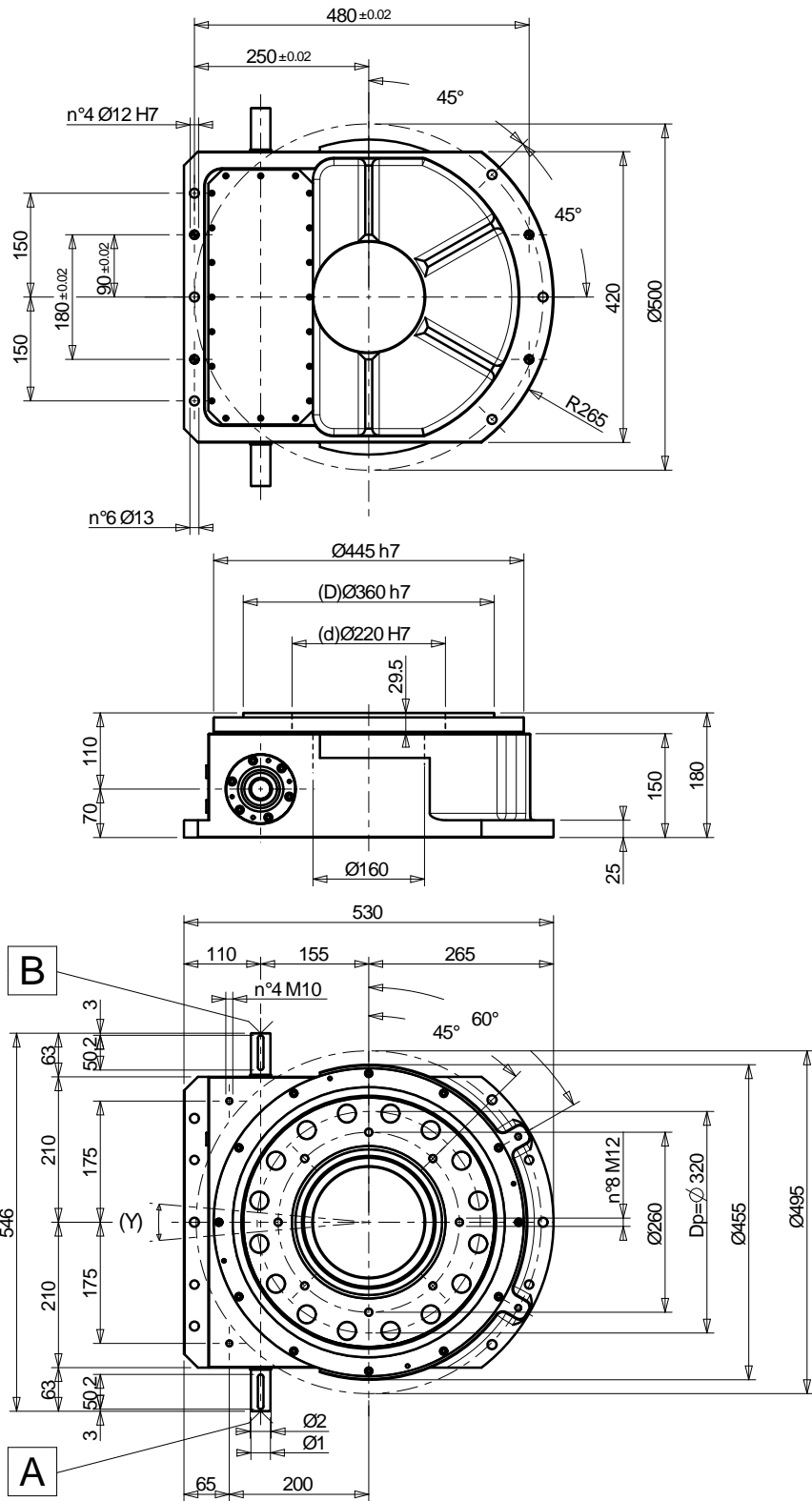
Las tablas aportan algunos valores mínimos e intermedios de referencia.

Se pueden realizar: número de divisiones no incluidas en la tabla, ángulos de leva no incluidas en la tabla, leyes de movimiento específicas para la aplicación.

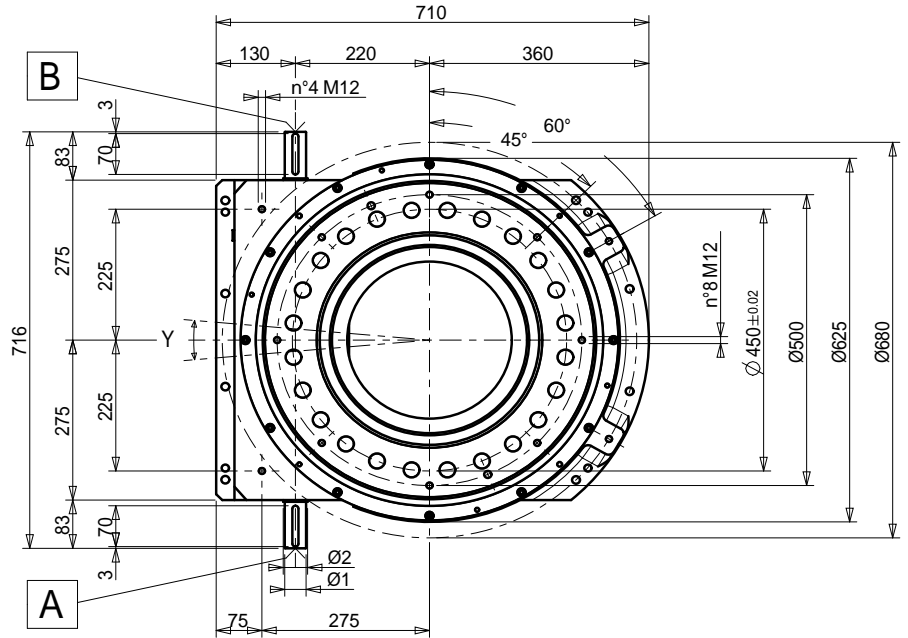
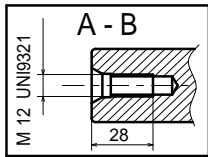
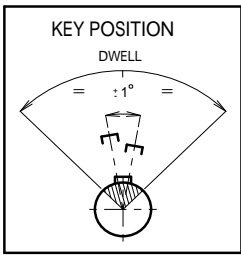
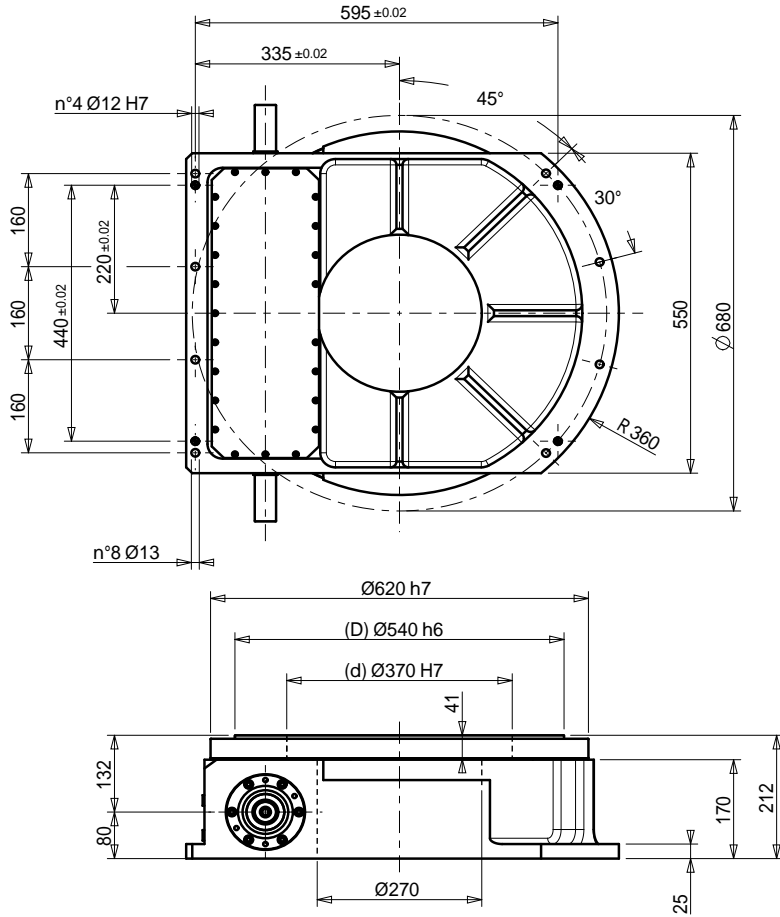


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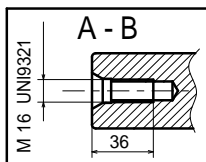
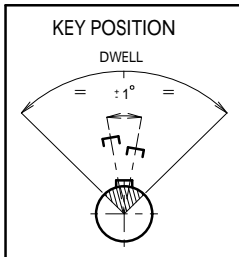
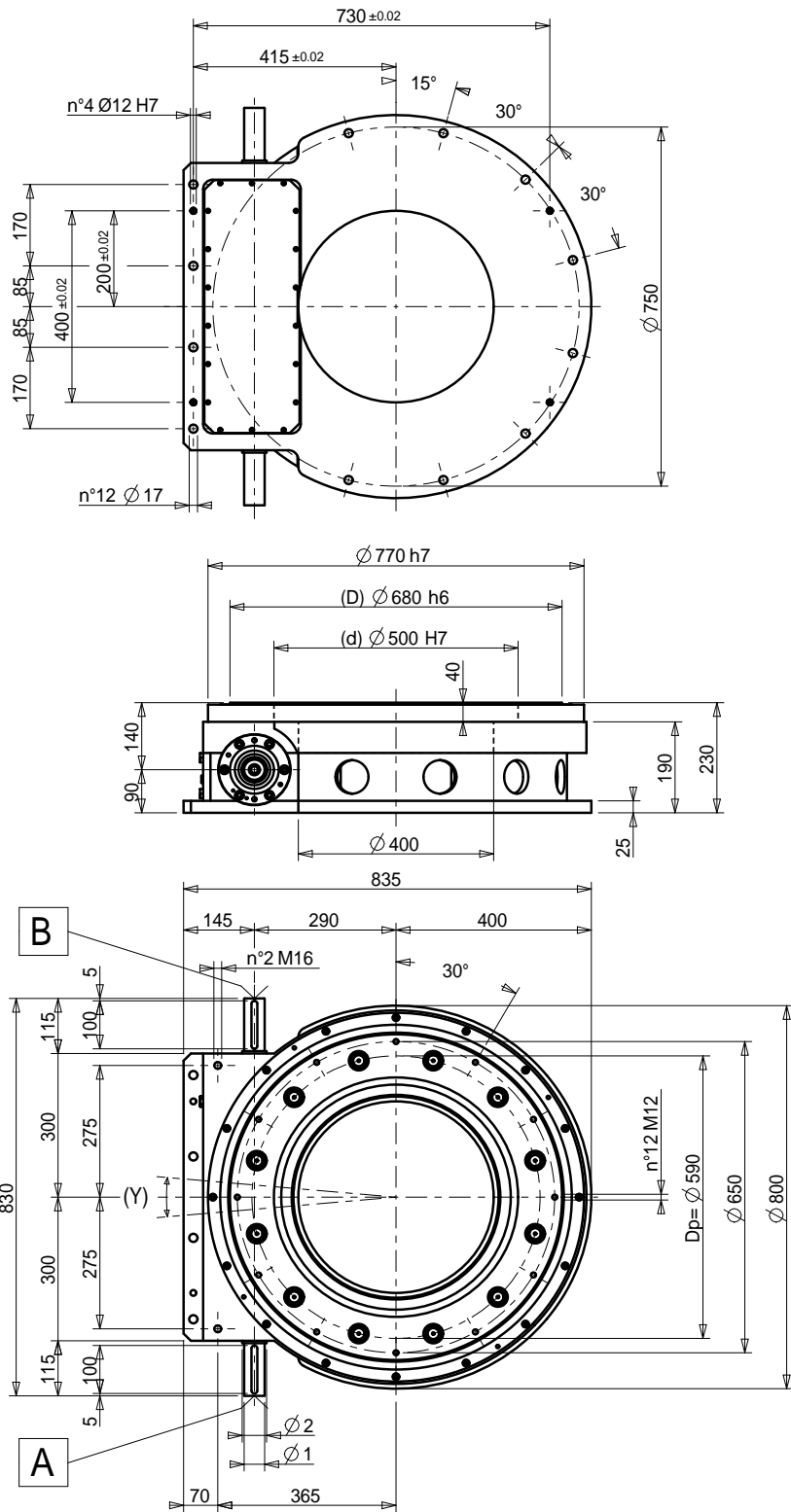
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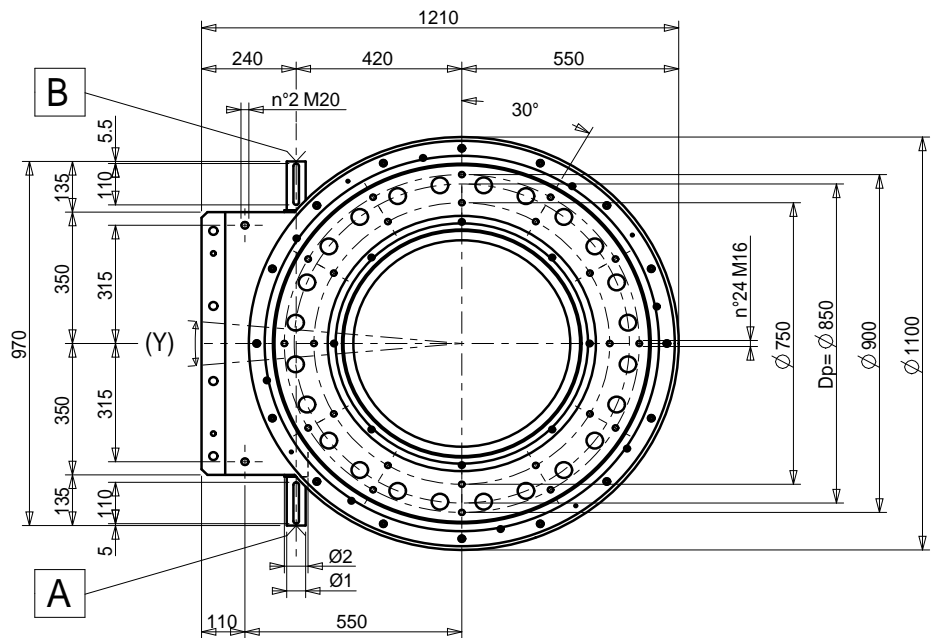
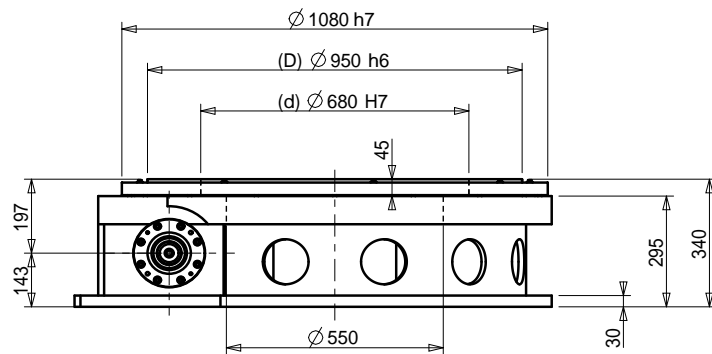
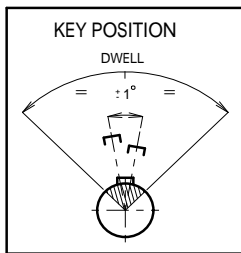
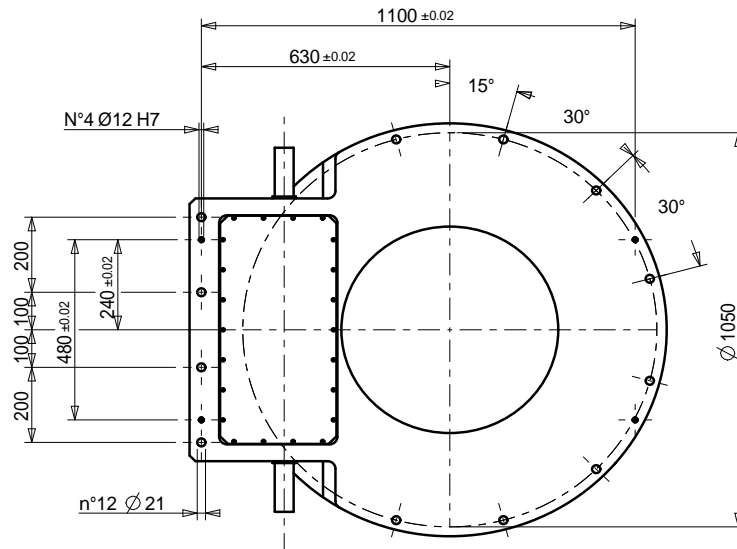
FT 320	A-B				Reference Riferimento Bezug Référence Referencia	Concentricity Concentricità Konzentrizität Concentricité Concentricidad	Planarity Planarità Planheit Planéité Planaridad	Repeatability Ripetibilità Wiederholbarkeit Répétitivité Repetibilidad			Threaded holes position Posizione fori filettati Löcherposition Position des trou taraudé Posición orificios roscados
	d1	a	b	c				Std	2 Cycles	3 Cycles	
125 Kg 275 Lbs	Ø1	28 k6	31	8	7	D	± 0.05 mm				Y ± 0.6 mm ± 16'
	Ø2	30 h6	33	8	7	Dp		± 0.05 mm ± 1'4"	± 0.06 mm ± 1'17"	± 0.07 mm ± 1'30"	



<p><b>FT 450</b></p> <p>225 Kg 496 Lbs</p>	<p>A-B</p>				Reference Riferimento Bezug Référence Referencia	Concentricity Konzentrität Konzentrität Concentricité Concentricidad	Planarity Planarità Planheit Planéité Planaridad	Repeatability Ripetibilità Wiederholbarkeit Répétitivité Repetibilidad			Threaded holes position Posizione fori filettati Löcherposition Position des trou taraudé Posición orificios roscados	
					d	± 0.05 mm		Std	2 Cycles	3 Cycles		
	Ø1	35 k6	38	10	8	D		± 0.05 mm	*			
	Ø2	40 h6	43	12	8	Dp			± 0.05 mm ± 46"	± 0.06 mm ± 55"	± 0.07 mm ± 1'14"	Y ± 0.7 mm ± 10'



FT 590	A-B					Reference Riferimento Bezug Référence Referencia	Concentricity Concentricità Konzentrizität Concentricité Concentricidad	Planarity Planarità Planheit Planéité Planaridad	Repeatability Ripetibilità Wiederholbarkeit Répétitivité Repetibilidad			Threaded holes position Posizione fori filettati Löcherposition Position des trou taraudé Posición orificios roscados
	d1	a	b	c	d				Std	2 Cycles	3 Cycles	
<p>320 Kg 704 Lbs</p>	Ø1	42 k6	45	12	8	D	± 0.05 mm	± 0.05 mm				Y ± 0.8 mm ± 10'
	Ø2	50 h6	53.5	14	9	Dp		± 0.05 mm ± 35"	± 0.06 mm ± 42"	± 0.07 mm ± 49"		

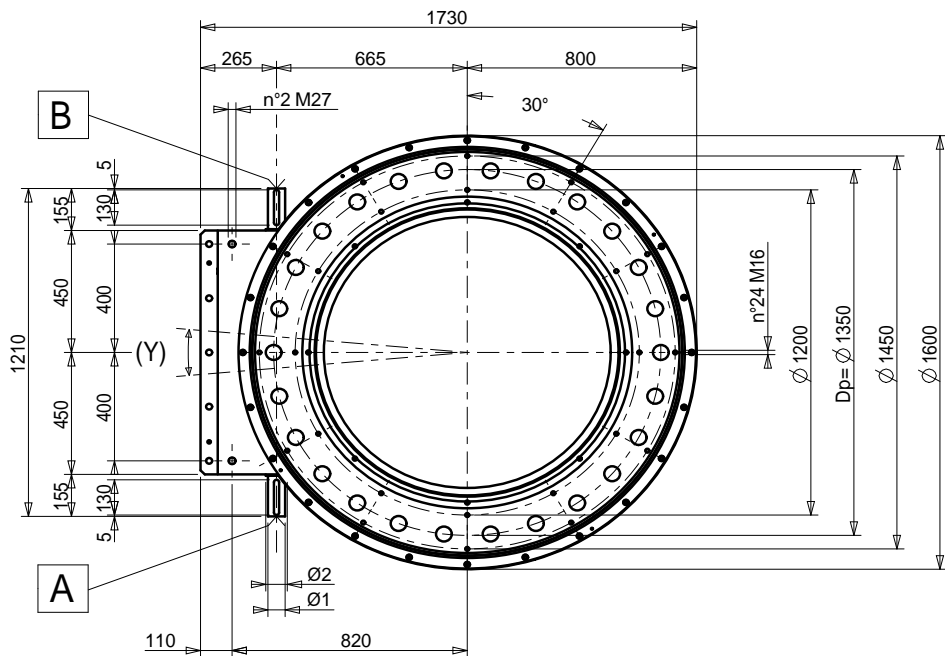
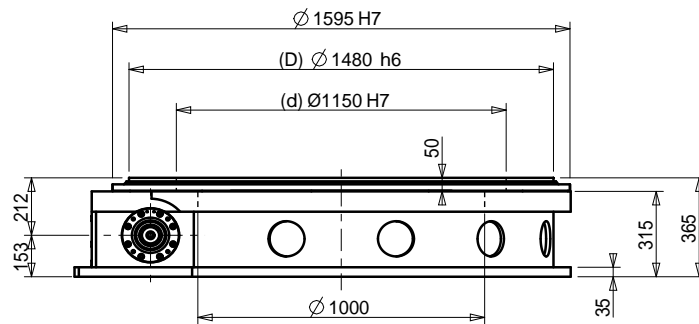
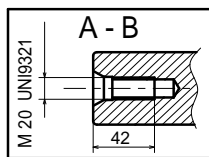
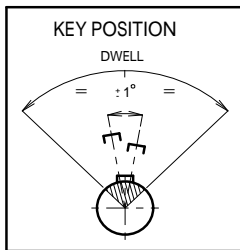
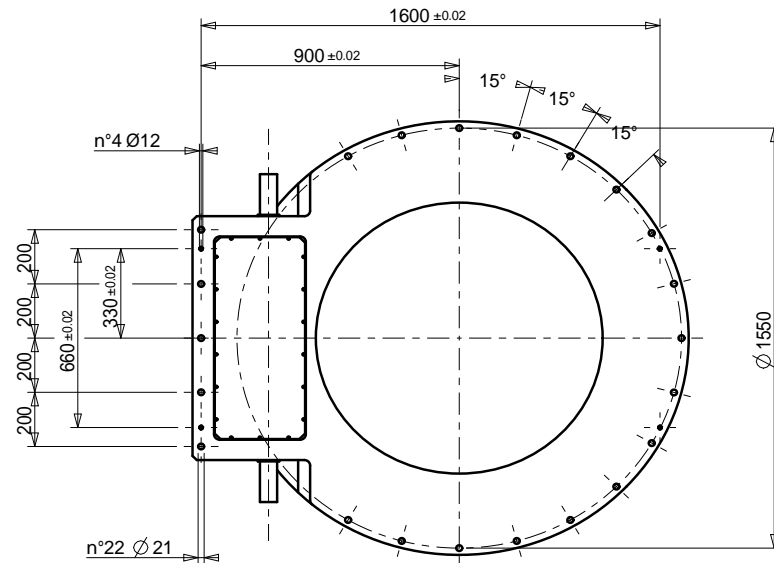


FT 850	A-B				Reference Riferimento Bezug Référence Referencia	Concentricity Konzentrität Concentricité Concentricidad	Planarity Planarità Planéité Planaridad	Repeatability Ripetibilità Wiederholbarkeit Répétitivité Repetibilidad			Threaded holes position Posizione fori filettati Löcherposition Position des trou taraudé Posición orificios roscados
	Ø1	d1	a	b				c	d	Std	
870 Kg 1914 Lbs 	Ø1	48 k6	51.5	14	9	D	± 0.07 mm				Y ± 1 mm ± 8'
	Ø2	60 h6	64	18	11	Dp		± 0.06 mm ± 29"	± 0.07 mm ± 34"	± 0.08 mm ± 39"	



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FT 1350		A-B				Reference Riferimento Bezug Référence Referencia	Concentricity Konzentrität Konzentrität Concentricité Concentricidad	Planarity Planarität Planheit Planitété Planaridad	Repeatability Ripetibilità Wiederholbarkeit Répétitivité Repetibilidad			Threaded holes position Posizione fori filettati Löcherposition Position des trou taraudé Posición orificios roscados
		d1	a	b	c				d	Std	2 Cycles	
1630 Kg 3586 Lbs  	Ø1	60 k6	64	18	11	D	± 0.07 mm	± 0.07 mm				Y ± 1.2 mm ± 7'
	Ø2	75 h6	79.5	20	12	Dp			± 0.07 mm ± 21"	± 0.08 mm ± 25"	± 0.09 mm ± 28"	



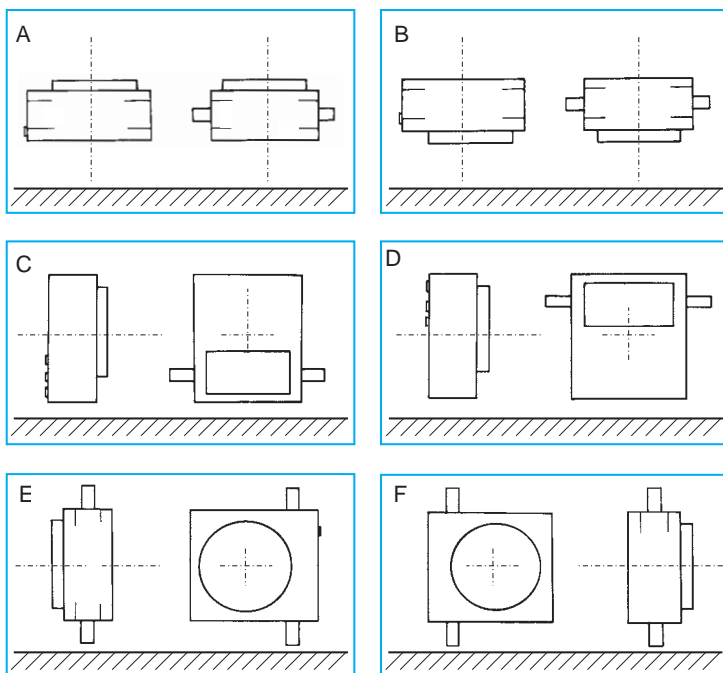
**FITTING POSITION REDUCER • POSIZIONE DI MONTAGGIO MOTORIDUTTORE •  
MONTAGEPOSITIONEN UNTERSETZERMOTOR •  
POSITION DE MONTAGE MOTORÉDUCTEUR • POSICIONES DE MONTAJE MOTORREDUCTOR**

<p>1</p>	S1	<p>0°</p> <p>1-S1-0°</p>	<p>90°</p> <p>1-S1-90°</p>	<p>180°</p> <p>1-S1-180°</p>	<p>270°</p> <p>1-S1-270°</p>	
		S2	<p>0°</p> <p>1-S2-0°</p>	<p>90°</p> <p>1-S2-90°</p>	<p>180°</p> <p>1-S2-180°</p>	<p>270°</p> <p>1-S2-270°</p>

<p>2</p>	S1	<p>0°</p> <p>2-S1-0°</p>	<p>90°</p> <p>2-S1-90°</p>	<p>180°</p> <p>2-S1-180°</p>	<p>270°</p> <p>2-S1-270°</p>	
		S2	<p>0°</p> <p>2-S2-0°</p>	<p>90°</p> <p>2-S2-90°</p>	<p>180°</p> <p>2-S2-180°</p>	<p>270°</p> <p>2-S2-270°</p>

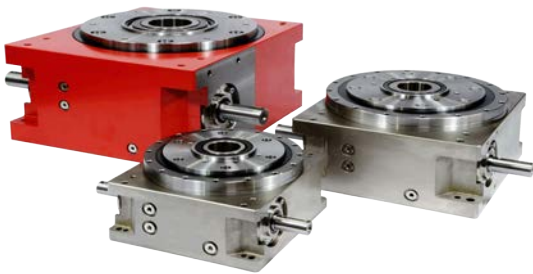
**WORKING POSITION • POSIZIONE DI LAVORO • ARBEITSPPOSITION •  
POSITION DE TRAVAIL • POSICIÓN DE TRABAJO**



- Oil bath lubrication for life
- Lubrificazione a vita in bagno d'olio
- Lebenslange Schmierung in Ölbad
- Lubrification à vie en bain d'huile
- Lubricación durante vida útil en baño de aceite

NOTES: Size FT-1350 only A position  
 NB: Grandezza FT-1350 solo posizione A  
 NB: Größe FT-1350 nur position A  
 NB: Dimension FT-1350 seule position A  
 NB: Tamaño FT-1350 única posición A

## Our products...



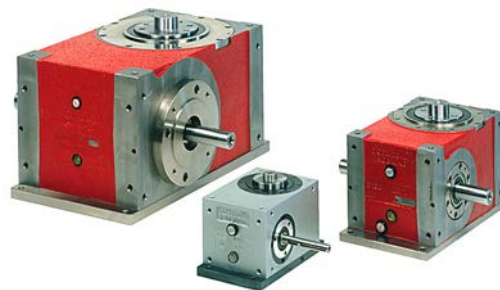
TR roller dial indexers



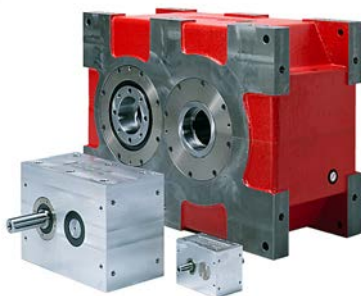
IT roller dial indexers



HT-FT ring tables



IG-IGA roller gear indexers



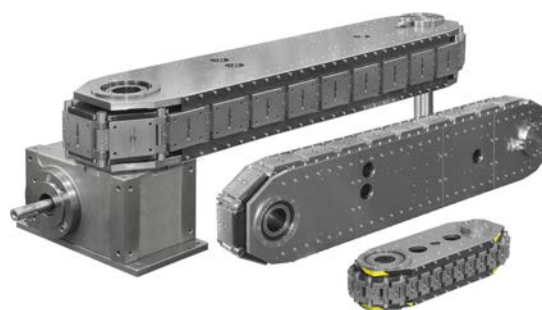
IP parallel indexers



HP roller dial indexers



MHP-LHP parts handlers



TSL-TL-TXL  
precision link conveyors



EU  
Head  
Office

**CDS Cam Driven Systems**  
div. Bettinelli F.lli S.p.A  
Via Leonardo da Vinci 56  
26010 Bagnolo Cr.sco (CR)  
Phone +39 0373 237 311  
Fax +39 0373 237 538  
c ds@bettinelli.it  
www.cdsindexers.eu



U.S.A.  
Corporate  
Office

**GATE Technologies, Inc.**  
27 Wilson Drive, Unit C  
Sparta NJ 07871  
Phone +1 973 300 0090  
Fax +1 973 300 0061  
info@GateTI.com  
www.GateTI.com



Germany  
Corporate  
Office

**GATE Deutschland GmbH**  
Ulrichstrasse 9  
86641 Rain am Lech  
Phone +49(0)9090 7057110  
Fax +49(0)9090 7057113  
info@c dsindexers.de  
www.c dsindexers.de



India  
Corporate  
Office

**Bettinelli Automation  
Components Pvt. Ltd.**  
Office # 3, 1st Floor  
Destination Center  
Magarpatta City Hadapsar  
Pune 411-013  
Phone +91 20 6723 6484  
Fax +91 20 6723 6485  
info@bettinelli.in  
www.bettinelli.in  
www.c dsindexers.in