

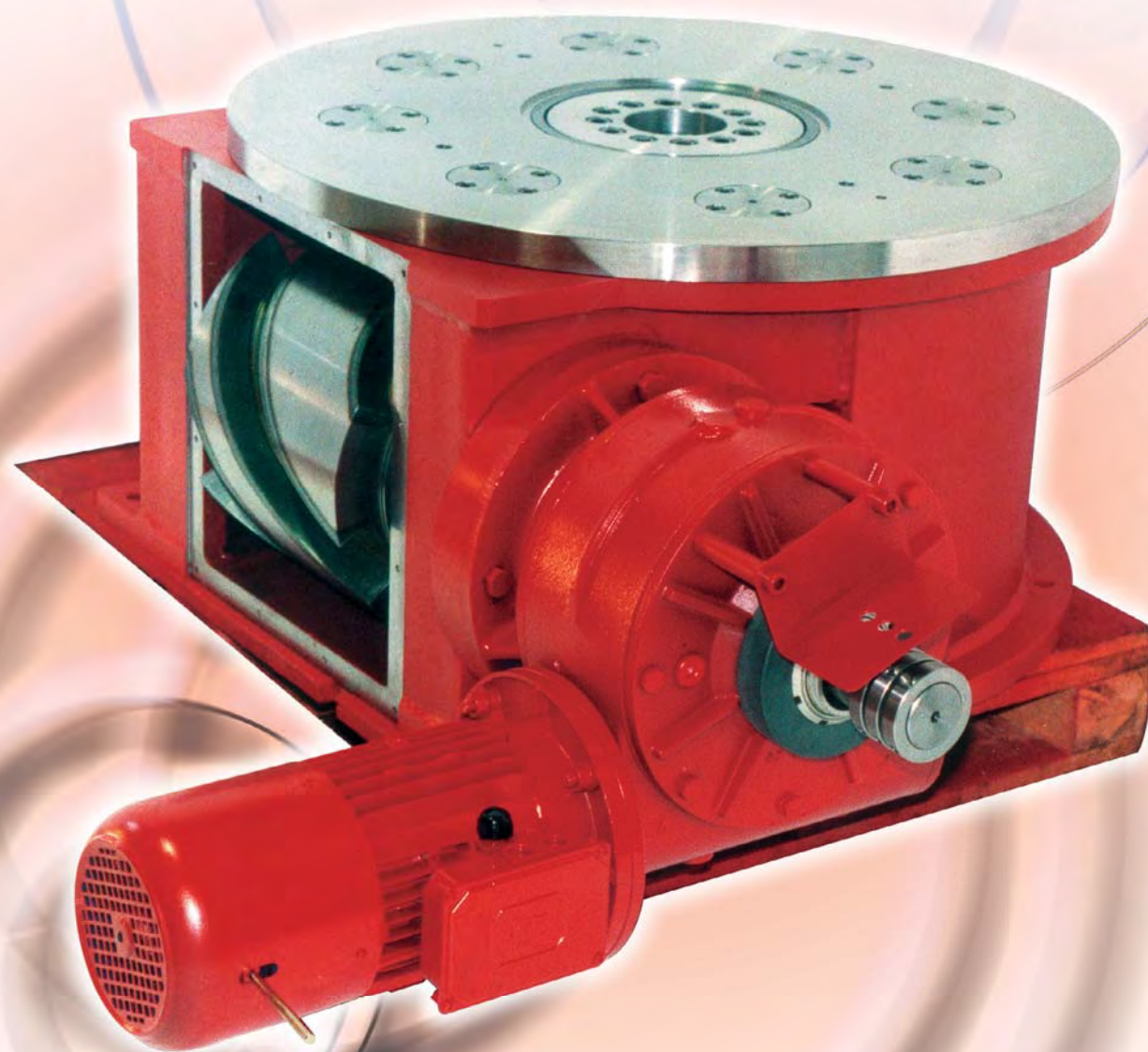
I

ITALPLANT

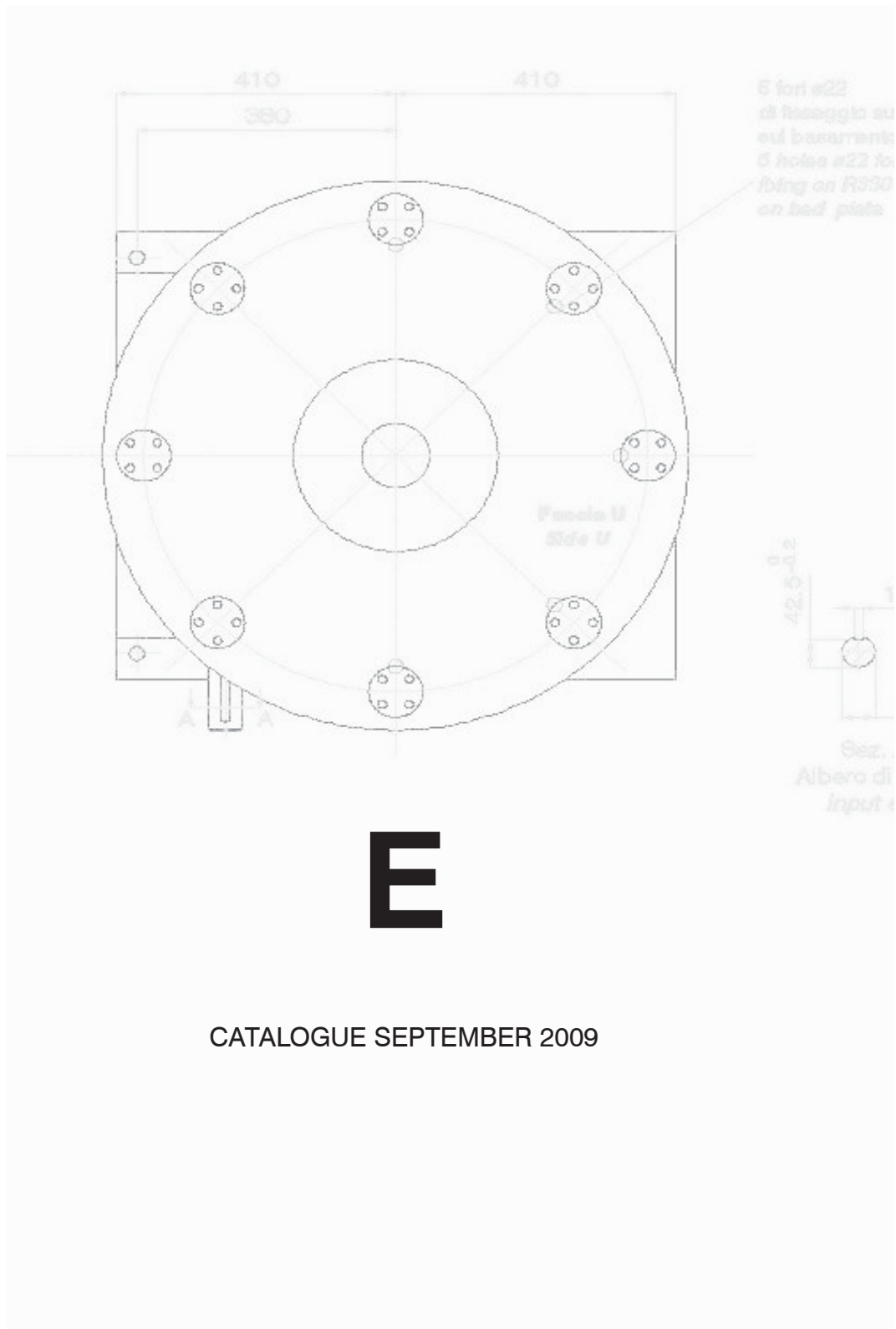
transfer systems

## Serie "E"

When you don't want to rely on anything less



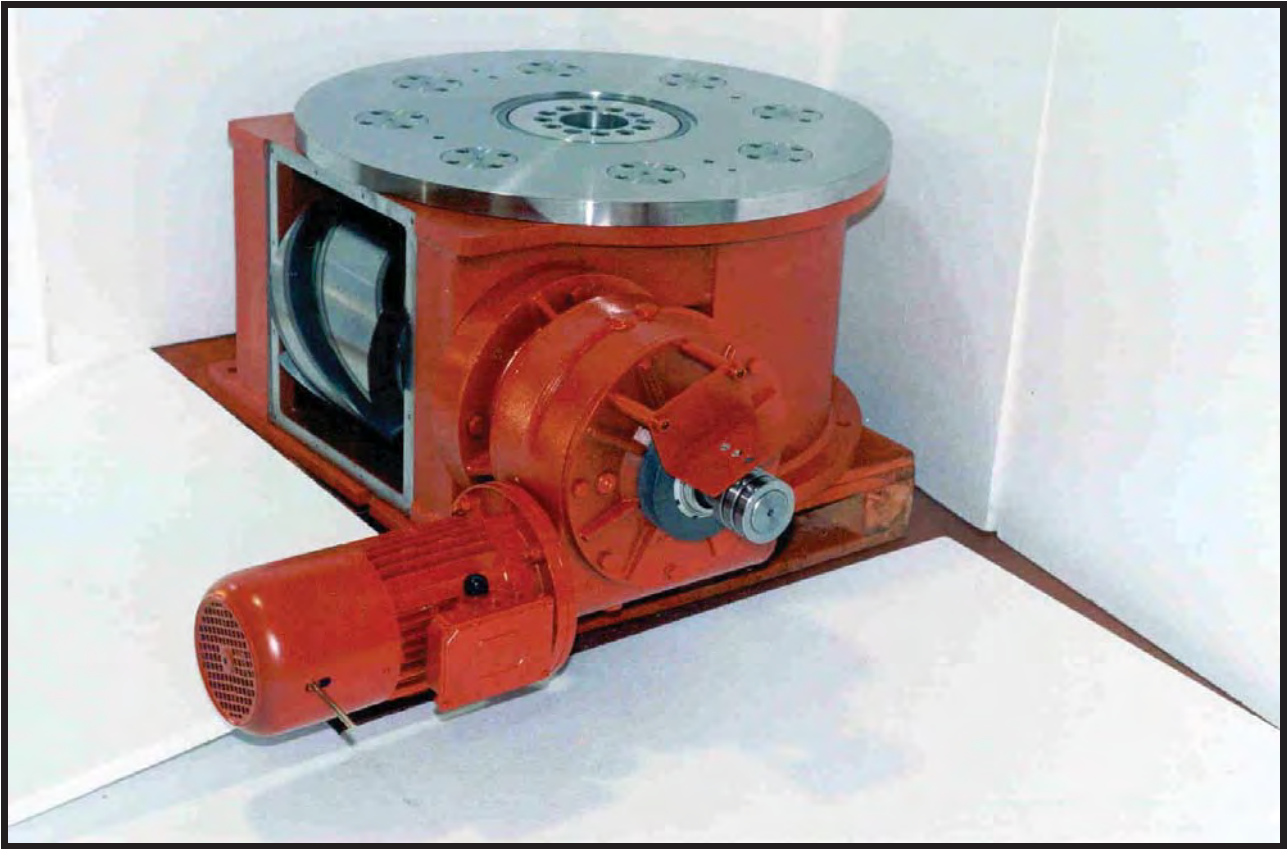
Heavy duty  
globocylindrical® indexers



# *INDEXERS "E" SERIES HEAVY DUTY*

- *Perpendicular axis indexer*
- *Globocylindrical cam*
- *Suitable for heavy duty applications*
- *Motion with standard or custom laws*
- *From 2 to 24 stations*
- *Very high load capacity*





**“E Type indexers” are rotary tables very accurate and reliable suitable for heavy duty applications.**

**Perfect for welding stations and big appliances, ITALPLANT “E series” with its three models is able to provide a indestructible but very accurate: the accuracies are  $\pm 0,025$  mm. on p.c.d. turret roller ( $00^{\circ} 00' 17''$ ). These indexers are able to bear dial plate applications up to 10 metres, but can be used also in large conveyor drive systems.**

**The robust and compact design gives to the automatic machines designer a big dial plate and a large center hole, designed to accomodate stationary center post, electrical wiring, air lines, hydraulic lines. All of this having a reduced size due to the reduced height and baaament dimensions within the dial plate area.**

## MANUFACTURE



Placing the hardness as principal purpose of this series, ITALPLANT manufacture these indexers with durable cast iron, corrosion resistant, tensile strength, with high rigidity.

Dial plate has a great thickness for a greater load capacity and depth for fixtures.

The dial plate and the input shaft are loaded by special preloaded bearings with high static and dynamic capacity.

## THE LARGEST CAM OF OUR PRODUCTION



**The dimensions and robustness of our globocylindrical cam mounted on this series has no comparison with no other. Coupled with our special roller followers, we obtain one of the reliable and long lasting mechanism worldwide. An efficient oil bath lubrication system and an inspection space permit to check periodically the oil level and replace it without removing the output or other components.**

With deep calculations it is possible to operate in the motion period of the cam, succeeding to control the output motion and obtaining specific dynamic characteristics to the moving masses.



Special cam laws and custom dwell period could be obtained. Please contact our technical office. Special cam laws assure smooth output movement, precise positioning and low maintenance costs.

Roller followers are preloaded against cam surface, to guarantee total lack of backlash.

ITALPLANT sizing the “E Series Indexers” referring to customer's data with a minimum of 20,000 hrs life.

## HIGH ACCURACY ROLLER FOLLOWERS



**Roller followers ITALPLANT Heavy Duty have high load capacity, and their number changes in dependence to number of stations: it is available from 2 to 24 stations and over, on demand.**

**ITALPLANT roller followers, built with a personal design, are different from any other commercial products you can find in the market: they have a double sized pin, able to give a greater tensile strength than standard, perfect for heavy applications.**



## SPARE PARTS

To meet every need to get spare parts, please contact our commercial office.

In case of order, please always specify:

- registration number (on the label)
- serial number (6-7 digits)
- model (on the label)
- number and date of the order

## ORDERING PROCEDURE

The following ordering procedure is intended only as a general guideline for the minimum information required when ordering a conveyor, as soon as the design phase becomes to an end. Options and adjustments can be ordered up to the beginning of manufacturing by us.

1. Dial plate diameter ( if existing upon our indexer dial plate)
2. Payload weight
3. Pitch radius of payloads
4. Working forces
5. Friction or external resistance torques
6. Index time
7. Dwell time
8. Cyc/min

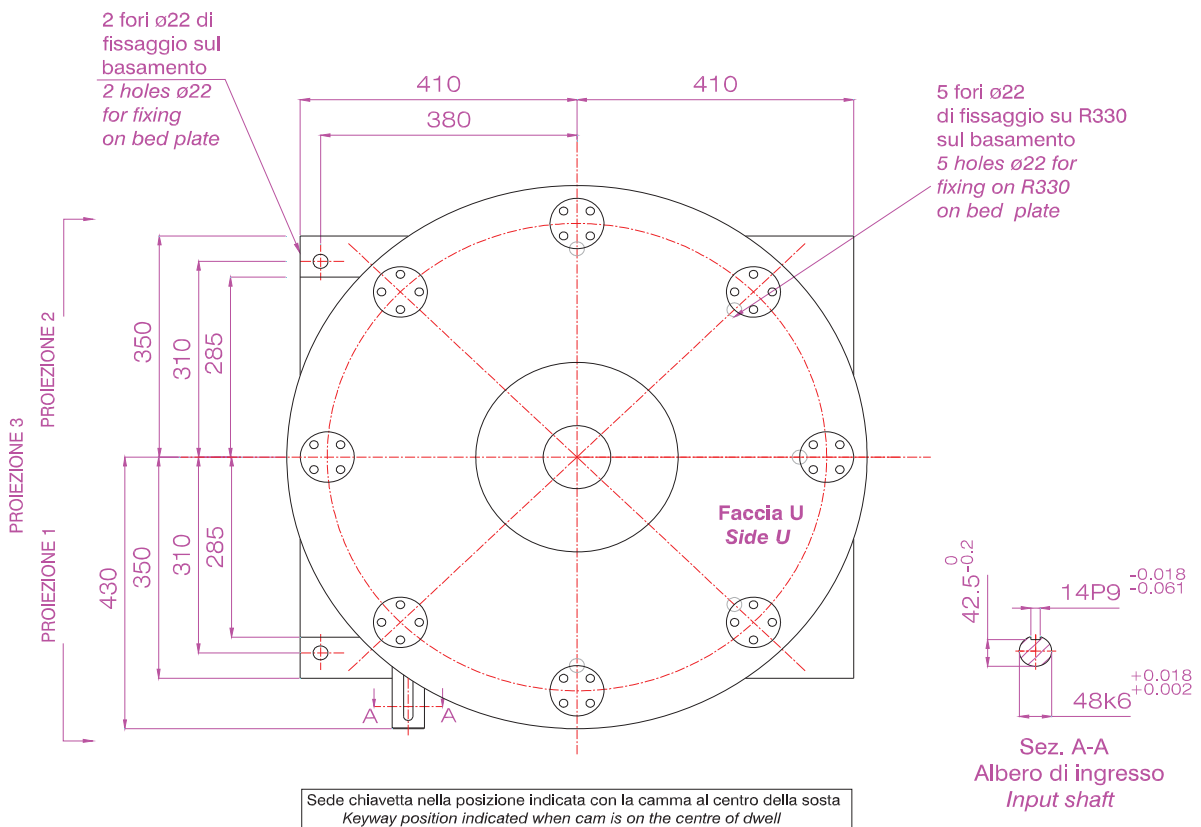
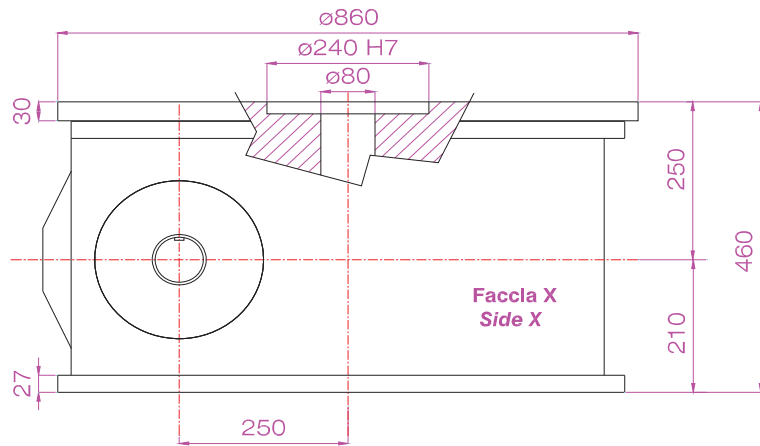
# STANDARD MODELS



## E 2000

N° OF STOPS	INDEX Deg	LAW MOTION	Mr Nm	MI Nm	INT.INERTIA kg*m <sup>2</sup>	MODEL NUMBER
<b>2 STOP</b>	330	m sc 33	4900	5150	13.2	E2000 X2S32 330
	270	ms	5720	5800	13.2	E2000 X3S32 270
<b>3 STOP</b>	330	ms	5700	5800	13.2	E2000 X3S32 330
	240	m sc 33	5630	5750	14.4	E2000 X4S32 240
<b>4 STOP</b>	270	ms	5600	5750	14.4	E2000 X4S32 270
	330	ms	5580	5750	14.4	E2000 X4S32 330
<b>6 STOP</b>	160	m sc 33	6368	7010	13.2	E2000 X6S32 160
	180	m sc 33	6364	7010	13.2	E2000 X6S32 180
	240	ms	6359	7010	13.2	E2000 X6S32 240
<b>6 STOP</b>	270	ms	6350	7010	13.2	E2000 X6S32 270
	330	ms	6342	7010	13.2	E2000 X6S32 330
	160	ms	7720	7785	14.4	E2000 X8S32 160
<b>8 STOP</b>	180	ms	7700	7785	14.4	E2000 X8S32 180
	240	ms	7695	7785	14.4	E2000 X8S32 240
	270	ms	7690	7785	14.4	E2000 X8S32 270
	330	ms	7685	7785	14.4	E2000 X8S32 300
<b>10 STOP</b>	120	ms	8151	8190	14.9	E2000 X10S32 120
	160	ms	8148	8190	14.9	E2000 X10S32 160
	180	ms	8142	8190	14.9	E2000 X10S32 180
	240	ms	8138	8190	14.9	E2000 X10S32 240
	270	ms	8135	8190	14.9	E2000 X10S32 270
	330	ms	8130	8190	14.9	E2000 X10S32 330
<b>12 STOP</b>	120	ms	8437	8450	14.7	E2000 X12S32 120
	160	ms	8433	8450	14.7	E2000 X12S32 160
	180	ms	8429	8450	14.7	E2000 X12S32 180
	240	ms	8422	8450	14.7	E2000 X12S32 240
	270	ms	8400	8450	14.7	E2000 X12S32 270
	330	ms	8396	8450	14.7	E2000 X12S32 330
<b>16 STOP</b>	120	ms	8736	8750	14.4	E2000 X16S32 120
	160	ms	8733	8750	14.4	E2000 X16S32 160
	180	ms	8728	8750	14.4	E2000 X16S32 180
	240	ms	8722	8750	14.4	E2000 X16S32 240
	270	ms	8700	8750	14.4	E2000 X16S32 270
	330	ms	8694	8750	14.4	E2000 X16S32 330
<b>20 STOP</b>	120	ms	8185	8190	14.9	E2000 X20S32 120
	160	ms	8183	8190	14.9	E2000 X20S32 160
	180	ms	8178	8190	14.9	E2000 X20S32 180
	240	ms	8175	8190	14.9	E2000 X20S32 240
	270	ms	8170	8190	14.9	E2000 X20S32 270
	330	ms	8164	8190	14.9	E2000 X20S32 330
<b>24 STOP</b>	120	ms	8450	8450	14.7	E2000 X24S32 120
	160	ms	8447	8450	14.7	E2000 X24S32 160
	180	ms	8446	8450	14.7	E2000 X24S32 180
	240	ms	8442	8450	14.7	E2000 X24S32 240
	270	ms	8436	8450	14.7	E2000 X24S32 270
	330	ms	8430	8450	14.7	E2000 X24S32 330

# E 2000

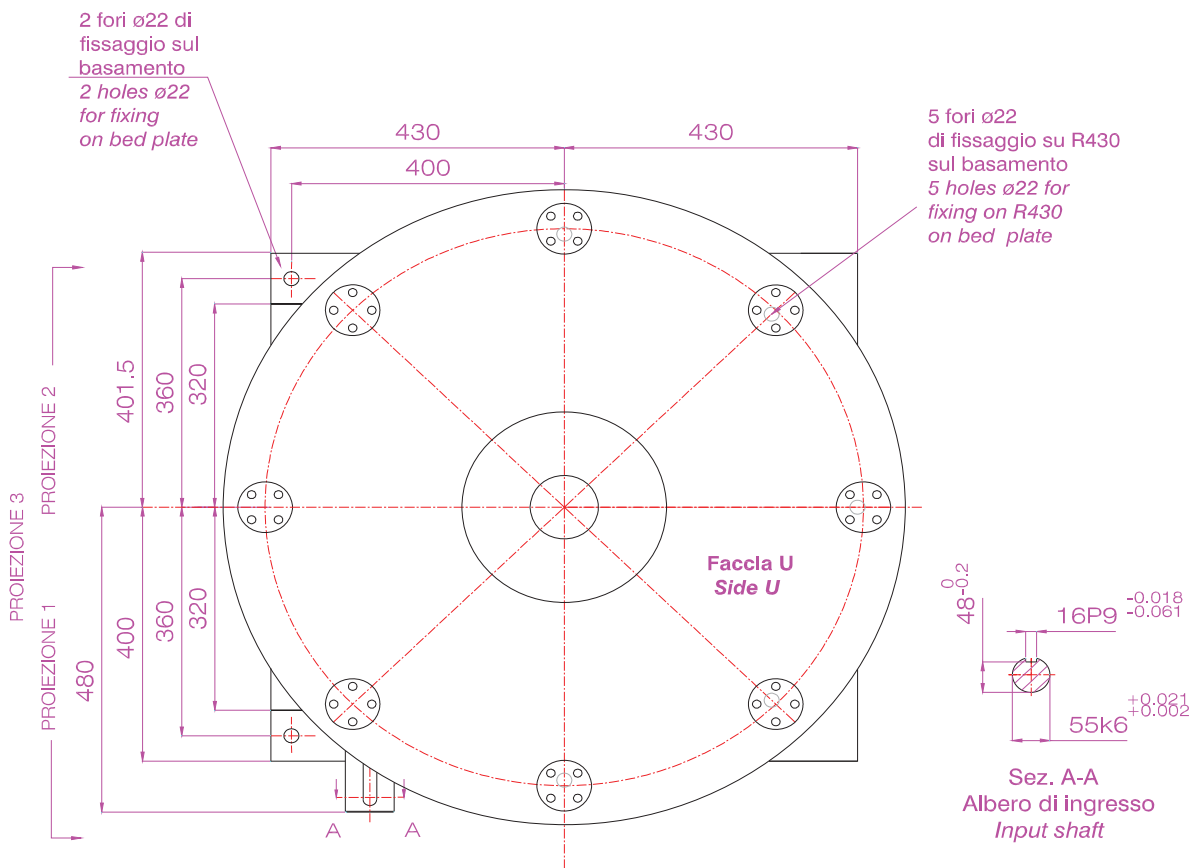
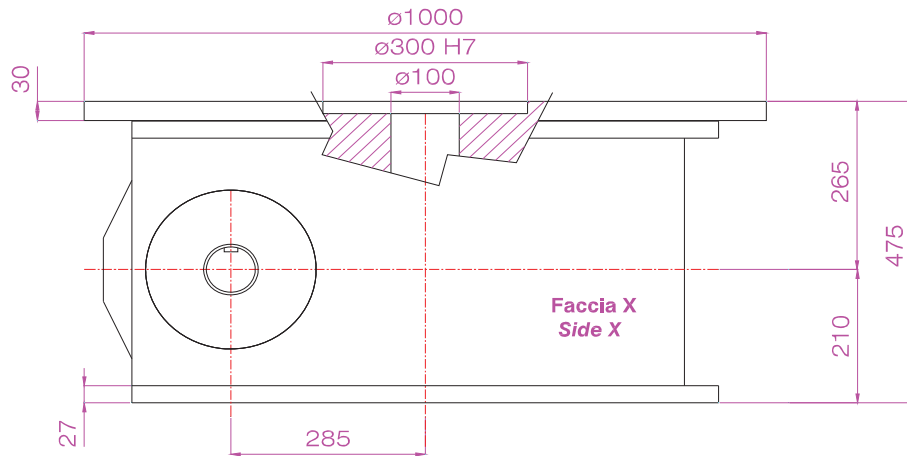


PESO 750 kg  
WEIGHT 1650 lb

## E 3000

N° OF STOPS	INDEX Deg	LAW MOTION	Mr Nm	MI Nm	INT.INERTIA kg*m <sup>2</sup>	MODEL NUMBER
<b>2 STOP</b>	330	msc 33	10125	10438	18.3	E3000 X2S40 330
	270	ms	14150	14250	18.3	E3000 X3S40 270
<b>3 STOP</b>	330	ms	14125	14250	18.3	E3000 X3S40 330
	240	msc 33	15038	15188	19.6	E3000 X4S40 240
<b>4 STOP</b>	270	ms	15000	15188	19.6	E3000 X4S40 270
	330	ms	15975	15188	19.6	E3000 X4S40 330
<b>6 STOP</b>	160	msc 33	15960	15964	18.3	E3000 X4S40 160
	180	msc 33	15955	15964	18.3	E3000 X4S40 180
	240	ms	15949	15964	18.3	E3000 X4S40 240
	270	ms	15938	15964	18.3	E3000 X4S40 270
<b>8 STOP</b>	330	ms	15925	15964	18.3	E3000 X4S40 330
	160	ms	16650	16732	19.6	E3000 X8S40 160
	180	ms	16625	16732	19.6	E3000 X8S40 180
	240	ms	16619	16732	19.6	E3000 X8S40 240
	270	ms	16613	16732	19.6	E3000 X8S40 270
<b>10 STOP</b>	330	ms	16607	16732	19.6	E3000 X8S40 330
	120	ms	18400	18400	20.1	E3000 X10S40 120
	160	ms	18350	18400	20.1	E3000 X10S40 160
	180	ms	18340	18400	20.1	E3000 X10S40 180
	240	ms	18320	18400	20.1	E3000 X10S40 240
	270	ms	18309	18400	20.1	E3000 X10S40 270
<b>12 STOP</b>	330	ms	18300	18400	20.1	E3000 X10S40 330
	120	ms	18434	18563	19.9	E3000 X12S40 120
	160	ms	18542	18563	19.9	E3000 X12S40 160
	180	ms	18537	18563	19.9	E3000 X12S40 180
	240	ms	18527	18563	19.9	E3000 X12S40 240
	270	ms	18500	18563	19.9	E3000 X12S40 270
<b>16 STOP</b>	330	ms	18496	18563	19.9	E3000 X12S40 330
	120	ms	17920	17938	19.6	E3000 X16S40 120
	160	ms	17917	17938	19.6	E3000 X16S40 160
	180	ms	17910	17938	19.6	E3000 X16S40 180
	240	ms	17903	17938	19.6	E3000 X16S40 240
	270	ms	17875	17938	19.6	E3000 X16S40 270
<b>20 STOP</b>	330	ms	17868	17938	19.6	E3000 X16S40 330
	120	ms	17232	17238	20.1	E3000 X20S40 120
	160	ms	17239	17238	20.1	E3000 X20S40 160
	180	ms	17223	17238	20.1	E3000 X20S40 180
	240	ms	17219	17238	20.1	E3000 X20S40 240
	270	ms	17213	17238	20.1	E3000 X20S40 270
<b>24 STOP</b>	330	ms	17205	17238	20.1	E3000 X20S40 330
	120	ms	17563	17563	19.9	E3000 X24S40 120
	160	ms	17559	17563	19.9	E3000 X24S40 160
	180	ms	17558	17563	19.9	E3000 X24S40 180
	240	ms	17553	17563	19.9	E3000 X24S40 240
	270	ms	17545	17563	19.9	E3000 X24S40 270
	330	ms	17538	17563	19.9	E3000 X24S40 330

# E 3000



Sede chiavetta nella posizione indicata con la camma al centro della sosta  
Keyway position indicated when cam is on the centre of dwell

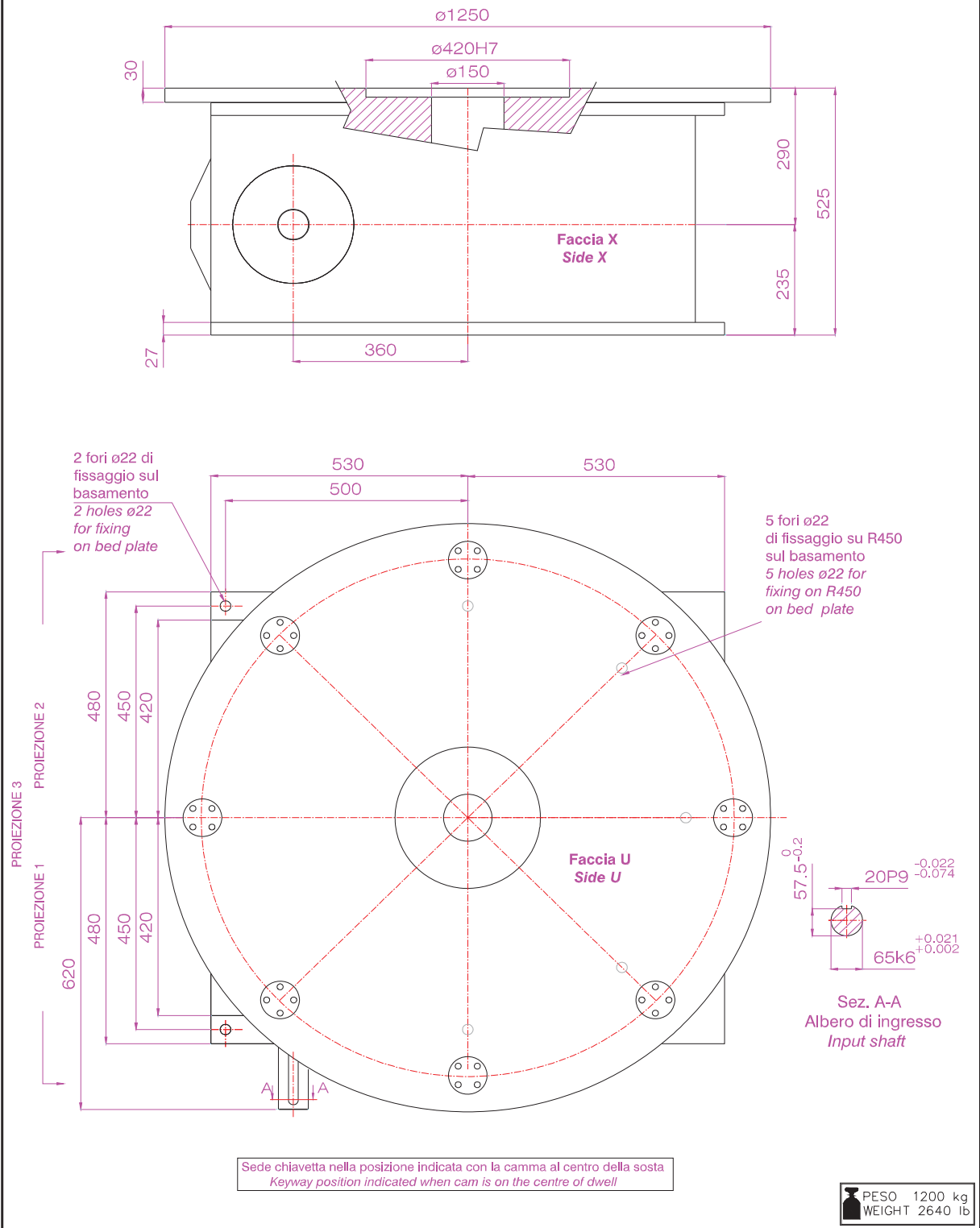
PESO 1000 kg  
WEIGHT 2200 lb

## E 4000

N° OF STOPS	INDEX Deg	LAW MOTION	Mr Nm	MI Nm	INT.INERTIA kg*m <sup>2</sup>	MODEL NUMBER
<b>2 STOP</b>	330	msc 33	10850	12100	39.3	E4000 X2S48 330
	270	ms	13970	14900	39.3	E4000 X3S48 270
<b>3 STOP</b>	330	ms	13950	14900	39.3	E4000 X3S48 330
	240	msc 33	12220	13700	40.5	E4000 X4S48 240
<b>4 STOP</b>	270	ms	12100	13700	40.5	E4000 X4S48 270
	330	ms	12095	13700	40.5	E4000 X4S48 330
<b>6 STOP</b>	160	msc 33	16135	16800	39.3	E4000 X6S48 160
	180	msc 33	16120	16800	39.3	E4000 X6S48 180
	240	ms	16095	16800	39.3	E4000 X6S48 240
<b>6 STOP</b>	270	ms	16000	16800	39.3	E4000 X6S48 270
	330	ms	15966	16800	39.3	E4000 X6S48 330
	160	ms	18000	18700	40.5	E4000 X8S48 160
<b>8 STOP</b>	180	ms	17982	18700	40.5	E4000 X8S48 180
	240	ms	17984	18700	40.5	E4000 X8S48 240
	270	ms	17970	18700	40.5	E4000 X8S48 270
	330	ms	17950	18700	40.5	E4000 X8S48 330
<b>10 STOP</b>	120	ms	19020	19988	40.9	E4000 X10S48 120
	160	ms	19000	19988	40.9	E4000 X10S48 160
	180	ms	19931	19988	40.9	E4000 X10S48 180
	240	ms	19925	19988	40.9	E4000 X10S48 240
	270	ms	19900	19988	40.9	E4000 X10S48 270
	330	ms	19982	19988	40.9	E4000 X10S48 330
<b>12 STOP</b>	120	ms	19874	20010	40.8	E4000 X12S48 120
	160	ms	19856	20010	40.8	E4000 X12S48 160
	180	ms	19835	20010	40.8	E4000 X12S48 180
	240	ms	19822	20010	40.8	E4000 X12S48 240
	270	ms	19800	20010	40.8	E4000 X12S48 270
	330	ms	19792	20010	40.8	E4000 X12S48 330
<b>16 STOP</b>	120	ms	19565	20105	40.5	E4000 X16S40 120
	160	ms	19550	20105	40.5	E4000 X16S48 160
	180	ms	19530	20105	40.5	E4000 X16S48 180
	240	ms	19518	20105	40.5	E4000 X16S48 240
	270	ms	19500	20105	40.5	E4000 X16S48 270
	330	ms	19497	20105	40.5	E4000 X16S48 330
<b>20 STOP</b>	120	ms	19100	19600	40.9	E4000 X20S48 120
	160	ms	19051	19600	40.9	E4000 X20S48 160
	180	ms	19046	19600	40.9	E4000 X20S48 180
	240	ms	19023	19600	40.9	E4000 X20S48 240
	270	ms	19000	19600	40.9	E4000 X20S48 270
	330	ms	18991	19600	40.9	E4000 X20S48 330
<b>24 STOP</b>	120	ms	19000	19000	40.8	E4000 X24S48 120
	160	ms	18950	19000	40.8	E4000 X24S48 160
	180	ms	18899	19000	40.8	E4000 X24S48 180
	240	ms	18875	19000	40.8	E4000 X24S48 240
	270	ms	18850	19000	40.8	E4000 X24S48 270
	330	ms	18800	19000	40.8	E4000 X24S48 330

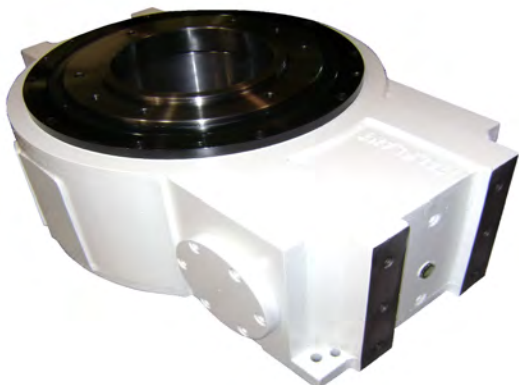


# E 4000





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AD ALTA VELOCITA' 1000 C/1'*



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**PLEASE CONTACT OUR TECHNICAL OFFICE FOR FURTHER INFORMATION**  
**CONTATTA IL NOSTRO UFFICIO TECNICO PER ULTERIORI INFORMAZIONI**



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