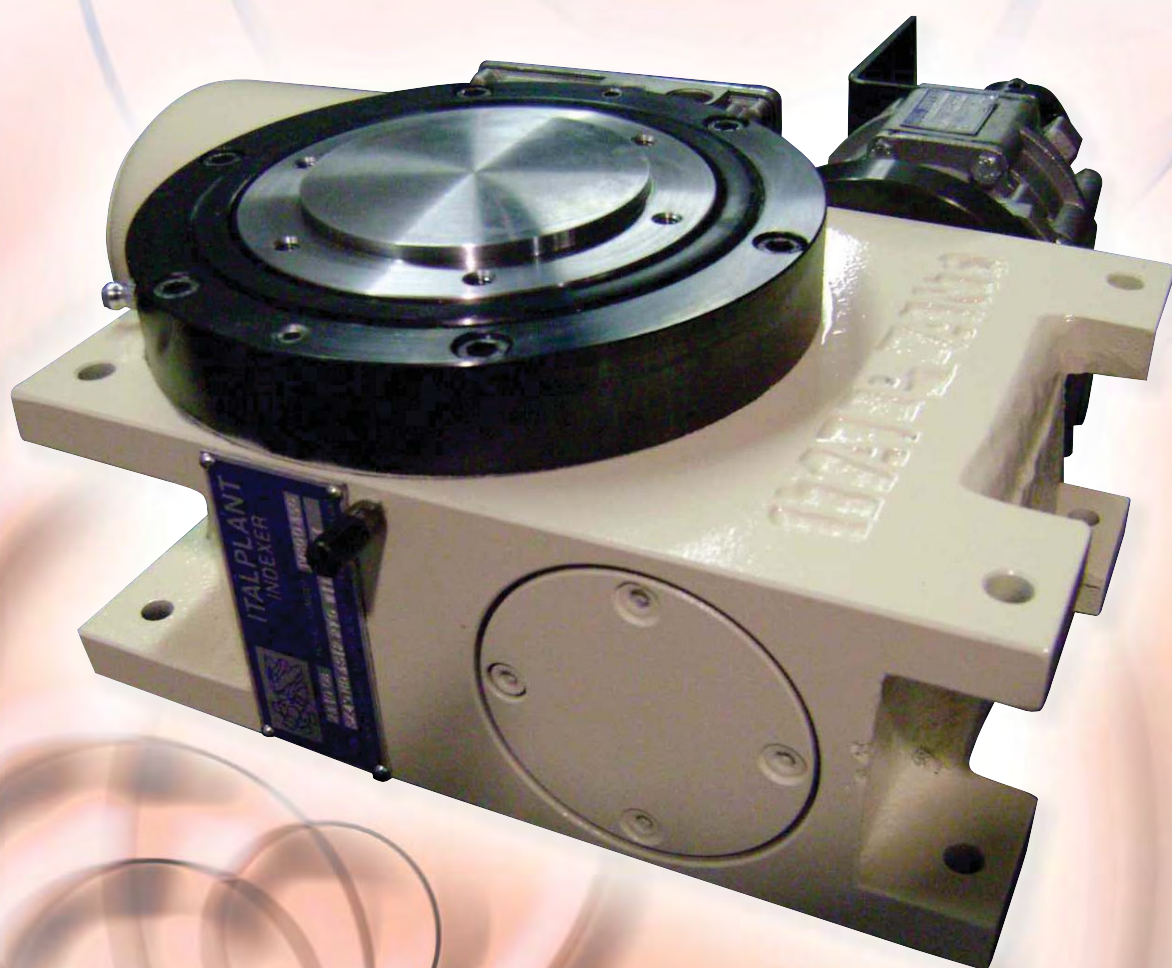




ITALPLANT

transfer systems

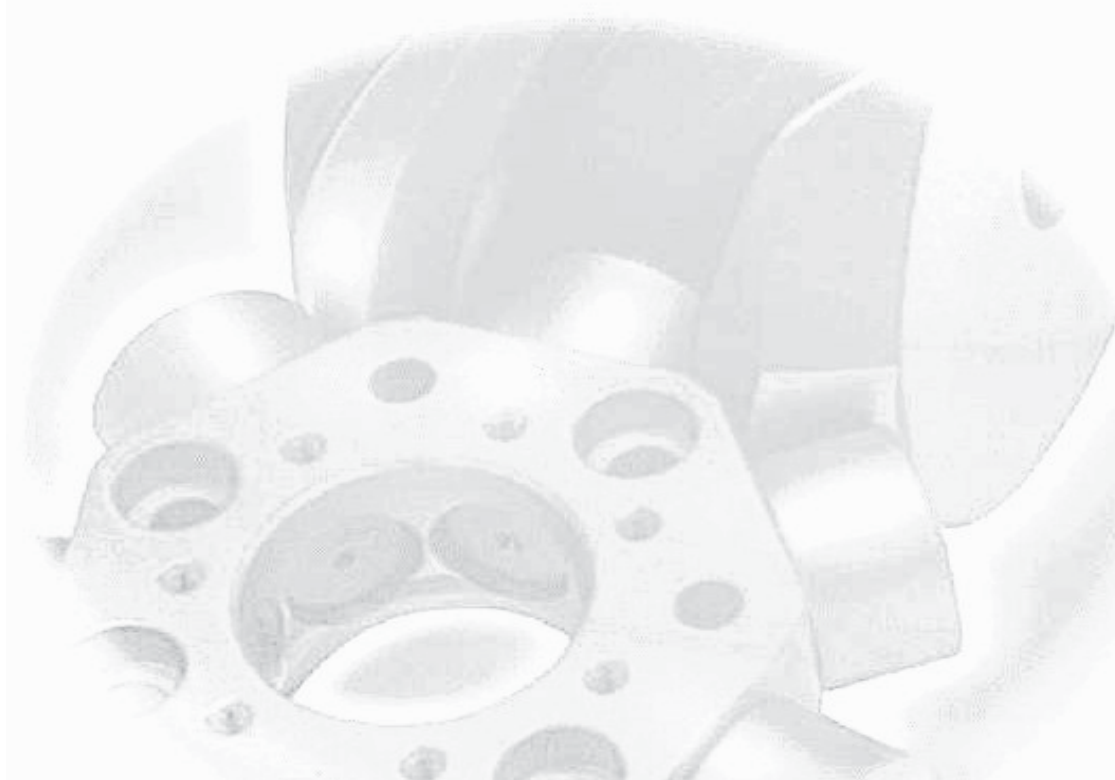
SXHD-SP



Heavy duty compact
globoidal rotary tables

SX-SP

CATALOGUE JULY 2011



SX Heavy Duty GLOBOIDAL CAM INDEXERS



- Special high capacity roller followers
- Cast iron housing with high rigidity
- Hardened steel cam
- Four contact bearing with stiffness
- Many different mounting positions



STANDARD MODELS

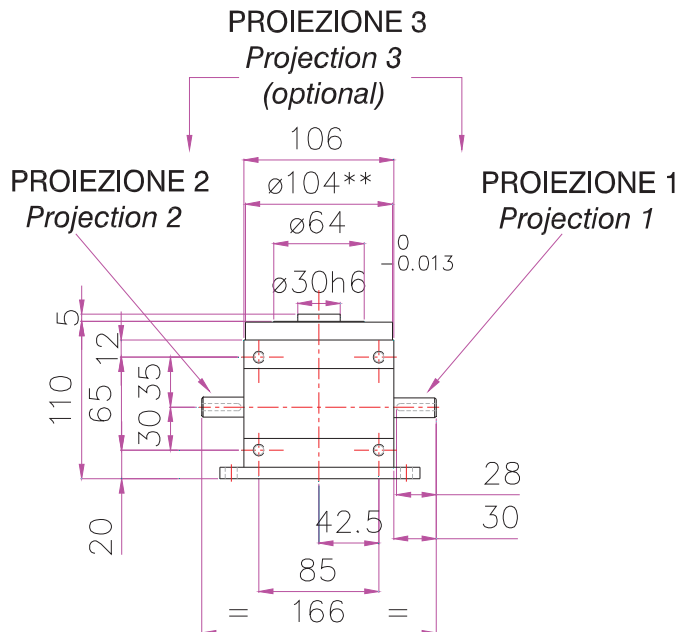


ITALPLANT SX HD-SP SERIES

PESO 10 kg
WEIGHT 22 lb

**Tolleranza su richiesta pr montaggio su faccia U
**Tolerance on demand for mounting on face U

Standard

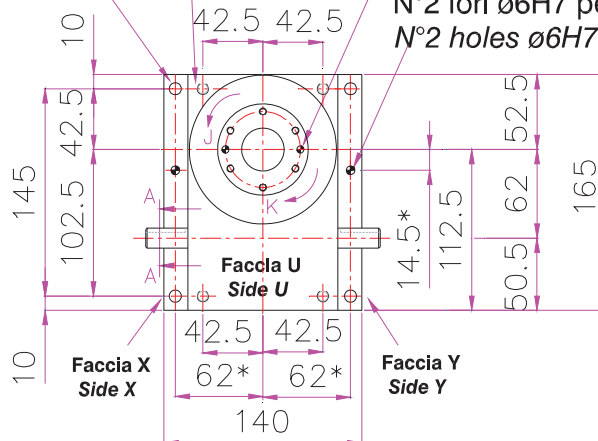


N°6 fori filettati M5x12 su $\varnothing 53$
N°6 tapped holes M5x12 on $\varnothing 53$

N°4 fori per fissaggio $\varnothing 8.5$
solo su faccia inferiore
N°4 holes $\varnothing 8.5$ for fixing
only on bottom face

N°2 fori $\varnothing 5H7$ per spina su $\varnothing 53 \pm 0.01$ (opzionali)
N°2 holes $\varnothing 5H7$ for dowels on $\varnothing 53 \pm 0.01$ (optionals)

N°2 fori $\varnothing 6H7$ per spina (opzionali)
N°2 holes $\varnothing 6H7$ for dowels (optionals)



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

*quota con precisione ± 0.01 mm solo per spine
*quote with accuracy ± 0.01 mm only for dowels

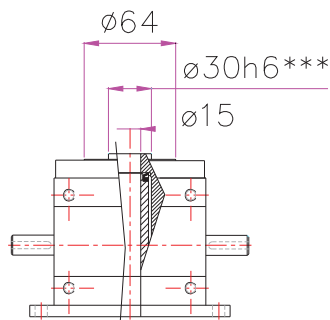
La posizione dei fori di montaggio sulle facce opposte uguale a quella indicata
Soltanto le facce richieste dal cliente verranno forate.
Mounting holes positions on faces opposite to those shown are similar
Only faces specified by customer will be drilled.



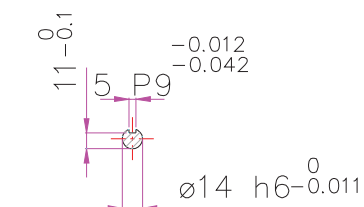
ITALPLANT s.r.l.

SX-SP

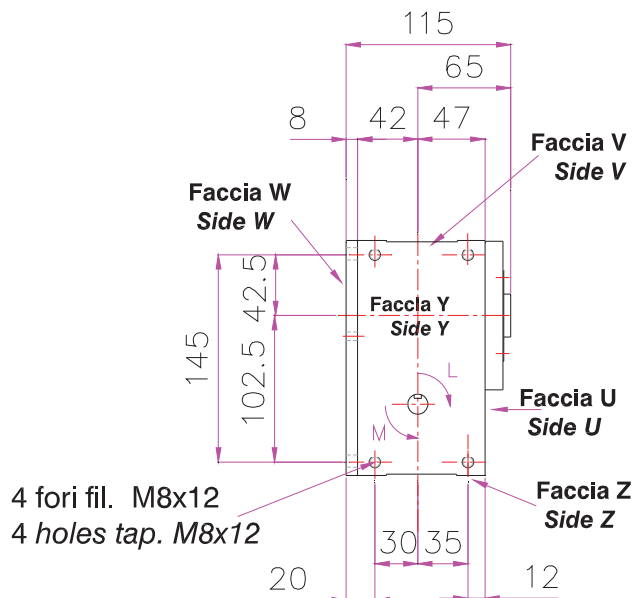
**Through hole
Foro passante**



Fori di montaggio M8x12
Tapped holes for mounting M8x12



Sez. A-A
Albero di ingresso
Input shaft



***Tolleranza solo su richiesta
***Tolerance only on demand



SX 25HD

ITALPLANT

TESTE A DIVIDERE GLOBOIDALI
GLOBOIDAL CAM INDEXERS



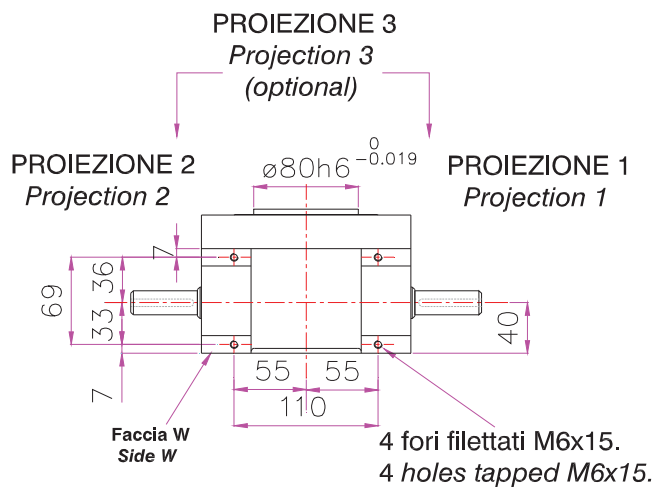
ITALPLANT s.r.l.



PESO 25 kg
WEIGHT 55 lb

**Tolleranza su richiesta pr montaggio su faccia U
**Tolerance on demand for mounting on face U

Standard

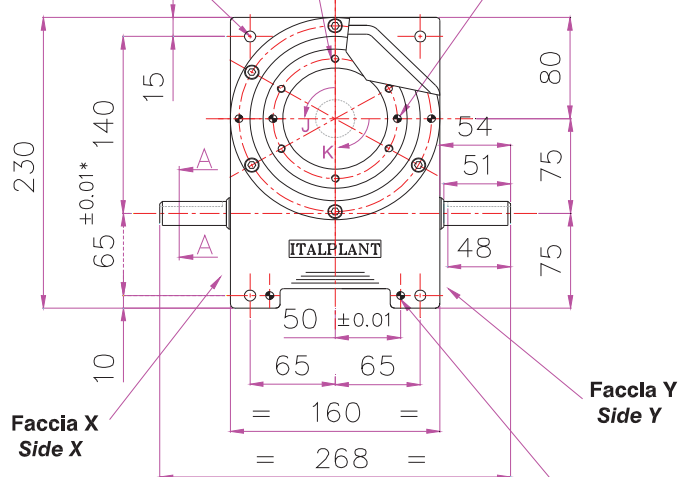


Sede chiave nella posizione indicata con la camma al centro della sosta
Keyway position indicated when cam is on the centre of dwell

2 fori per spina $\varnothing 6H7$ su $\varnothing 95 \pm 0.01$ (opzionali)
2 holes for dowels $\varnothing 6H7$ on $\varnothing 95 \pm 0.01$ (optional)

6 fori filettati M6x15 equid. su $\varnothing 95$.
6 holes tapped M6x15 eq. sp. on $\varnothing 95$.

4+4 fori $\varnothing 8.5$
4+4 holes $\varnothing 8.5$

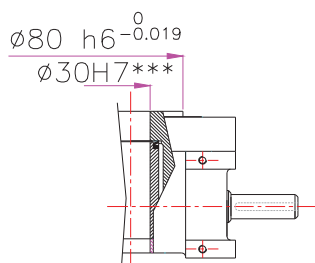


2 fori $\varnothing 6H7$ per spina (opzionali)
2 holes $\varnothing 6H7$ for dowel (optional)

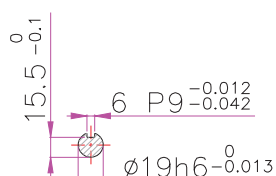
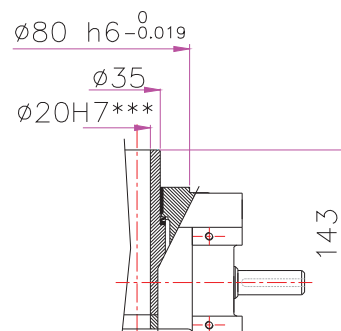
La posizione dei fori di montaggio sulle facce opposte uguale a quella indicata
Soltanto le facce richieste dal cliente verranno forate.
Mounting holes positions on faces opposite to those shown are similar
Only faces specified by customer will be drilled.

*quota con precisione ± 0.01 mm solo per spine
*quote with accuracy ± 0.01 mm only for dowels

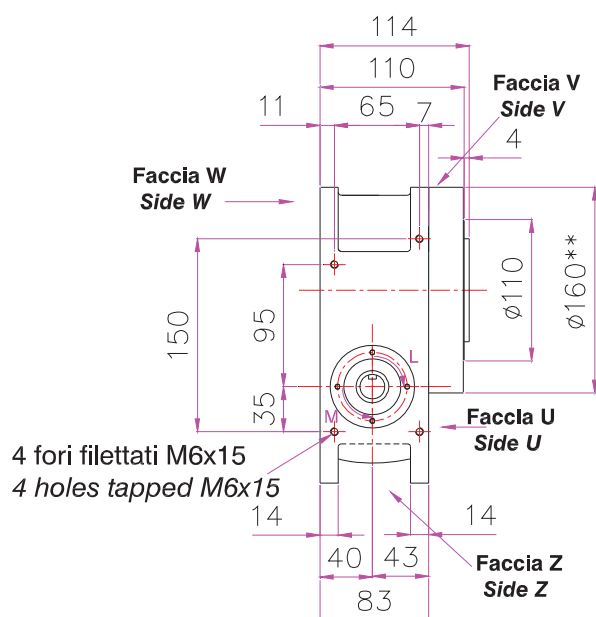
Through hole Foro passante



Center post Mozzo forato fisso



Sez. A-A
Albero di ingresso
Input shaft



***Tolleranza solo su richiesta
***Tolerance only on demand

DISPONIBILE CON LIMITATORE DI COPPIA
INTERNO SULL'ALBERO DI USCITA
AVAILABLE WITH INTERNAL
TORQUE LIMITER ON OUTPUT SHAFT



SX 40HD

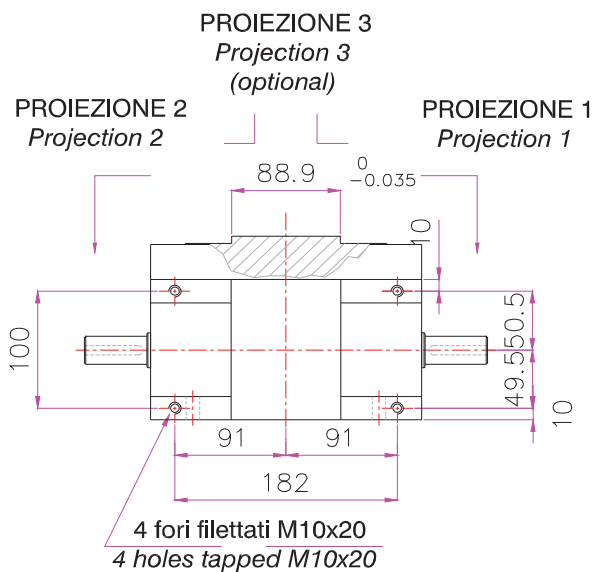
ITALPLANT

TESTE A DIVIDERE GLOBOIDALI
GLOBOIDAL CAM INDEXERS

PESO 40 kg
WEIGHT 88 lb

****Tolleranza su richiesta pr montaggio su faccia U**
****Tolerance on demand for mounting on face U**

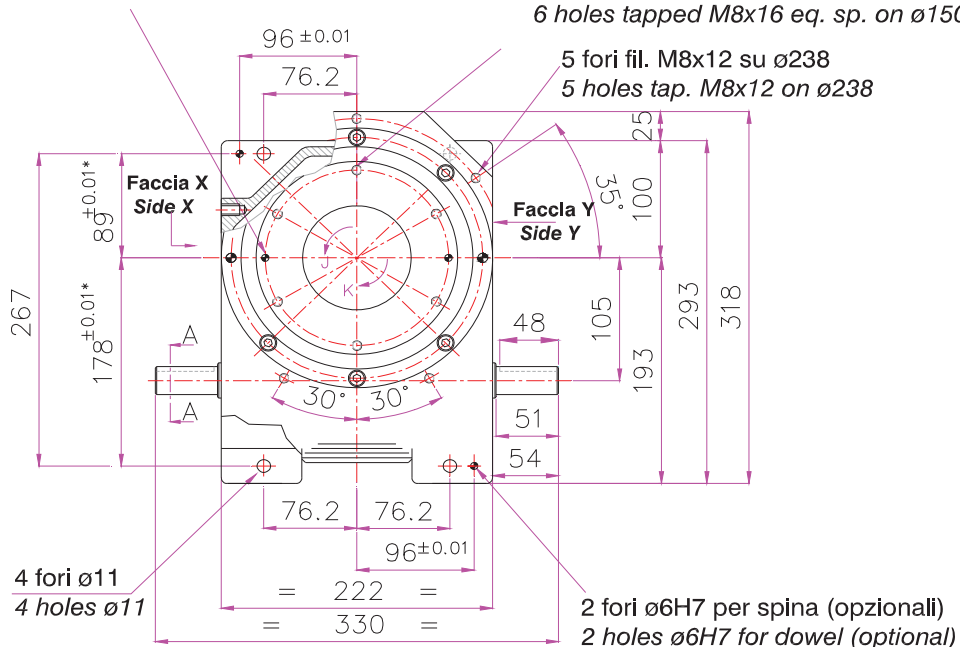
Standard



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

2 fori $\varnothing 8H7$ per spina su $\varnothing 150 \pm 0.01$ (opzionali)
2 holes $\varnothing 8H7$ for dowel su $\varnothing 150 \pm 0.01$ (optional)

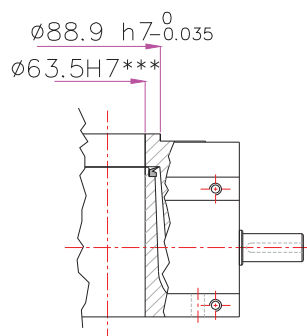
6 fori filettati M8x16 equid. su $\varnothing 150$
6 holes tapped M8x16 eq. sp. on $\varnothing 150$



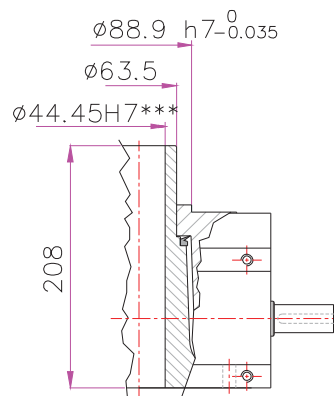
La posizione dei fori di montaggio sulle facce opposte uguale a quella indicata
Soltanto le facce richieste dal cliente verranno forate.

Mounting holes positions on faces opposite to those shown are similar
Only faces specified by customer will be drilled.

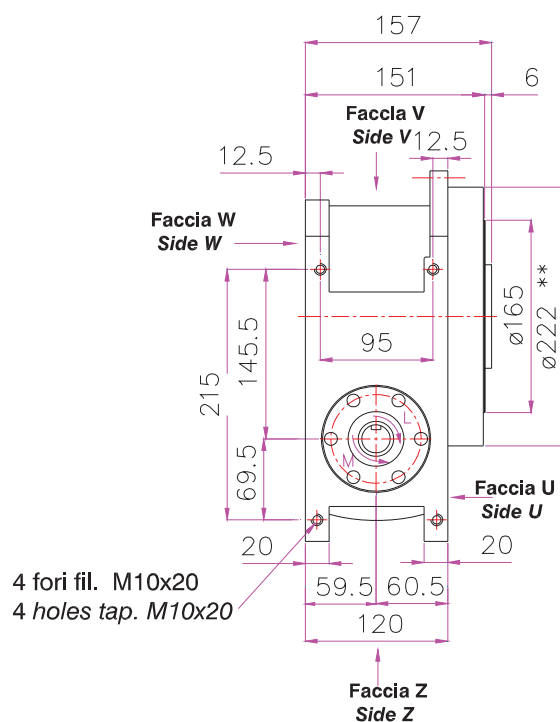
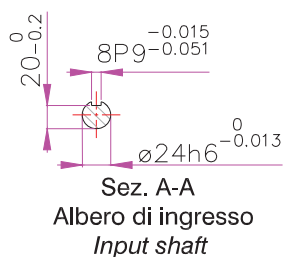
Through hole Foro passante



Center post Mozzo forato fisso



***Tolleranza solo su richiesta
***Tolerance only on demand



DISPONIBILE CON LIMITATORE DI COPPIA
INTERNO SULL'ALBERO DI USCITA
AVAILABLE WITH INTERNAL
TORQUE LIMITER ON OUTPUT SHAFT

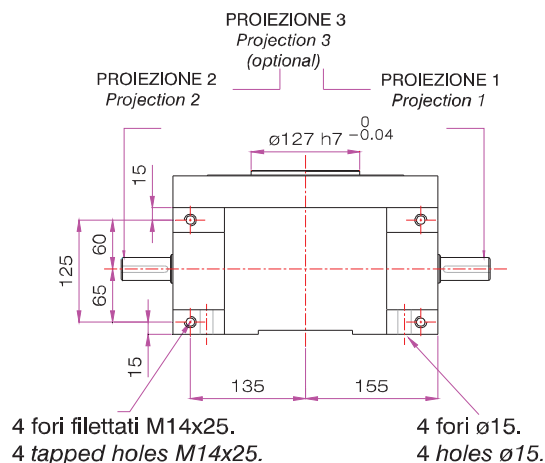


SX 60HD

ITALPLANT

TESTE A DIVIDERE GLOBOIDALI
GLOBOIDAL CAM INDEXERS

Standard

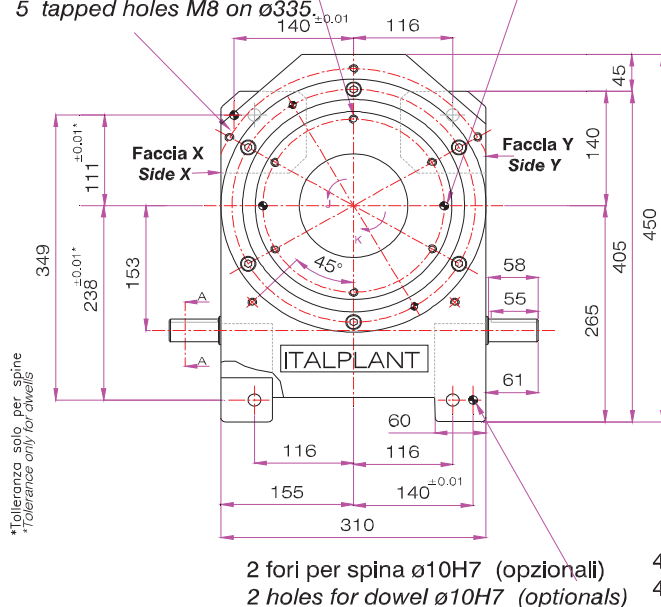


Sede chiavetta nella posizione indicata con la camma al centro della sosta
Keyway position indicated when cam is on the centre of dwell

6 fori filettati M10x25 su $\varnothing 212$.
6 *tapped holes* M10x25 on $\varnothing 212$.

2 fori per spina $\varnothing 10H7$ su $\varnothing 212 \pm 0.01$ (opzionali)
2 holes for dowel $\varnothing 10H7$ on $\varnothing 212 \pm 0.01$ (optionals)

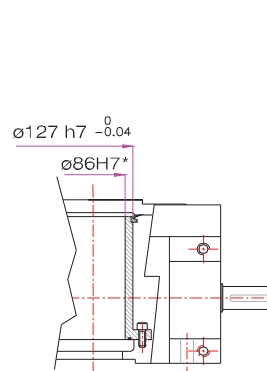
5 fori filettati M8 su $\varnothing 335$.
5 *tapped holes M8 on $\varnothing 335$.*



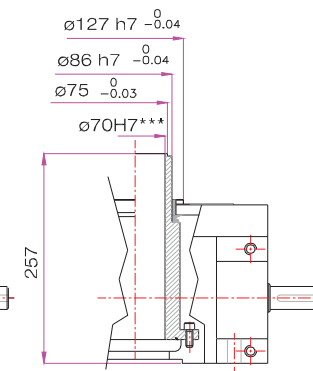
*Tolleranza solo per spine
*Tolerance only for dwells

2 fori per spina $\varnothing 10H7$ (opzionali)
2 holes for dowel $\varnothing 10H7$ (optionals)

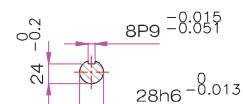
Through hole
Foro passante



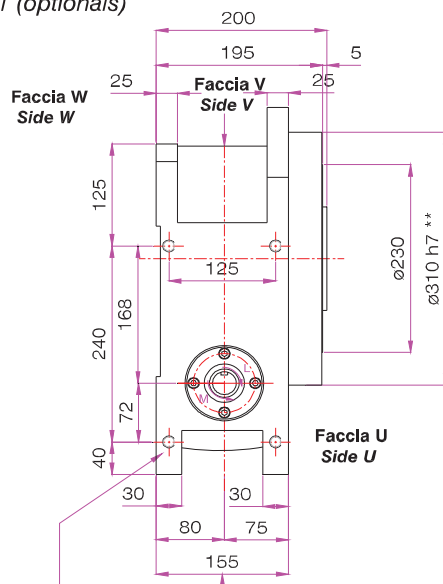
Center post
Mozzo forato fisso



***Tolleranza solo su richiesta
***Tolerance only in demand



Sez. A-A
Albero di ingresso
Input shaft



4 fori filettati M14x25.
4 tapped holes M14x25.

Faccia Z
Side Z

***Tolleranza su richiesta per montaggio faccia U
 ***Tolerance on demand for mounting on face U

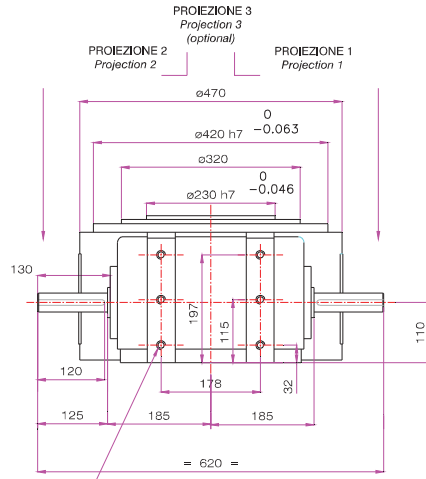
La posizione dei fori di montaggio sulle facce opposte uguale a quella indicata - Soltanto le facce richieste dal cliente verranno forate.
Mounting holes positions on faces opposite to those shown are similar - Only faces specified by customer will be drilled.

DISPONIBILE CON LIMITATORE DI COPPIA INTERNO SULL' ALBERO DI USCITA
AVAILABLE WITH INTERNAL TORQUE LIMITER ON OUTPUT SHAFT

POIDS 150 kg

SX-140 HD

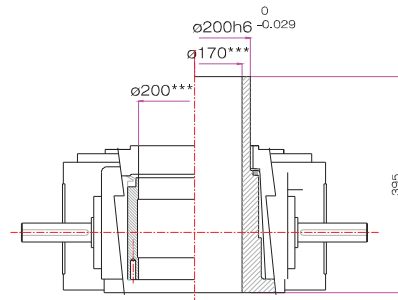
Standard



6 fori filettati. M16 (opzionali)
6 tapped holes M16 (optionals)

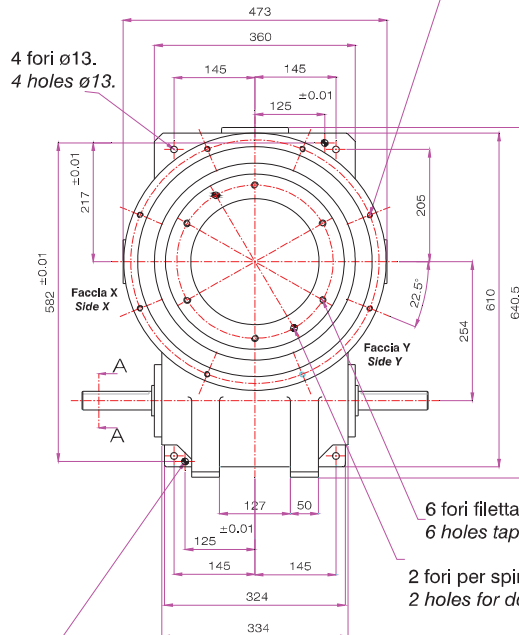
Sede chiavetta nella posizione indicata con la camma al centro della sosta
Keyway position indicated when cam is on the centre of dwell

Through hole Center post
Foro passante Mozzo forato fisso

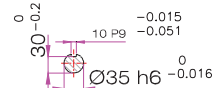


***Tolleranza solo su richiesta
***Tolerance only in demand

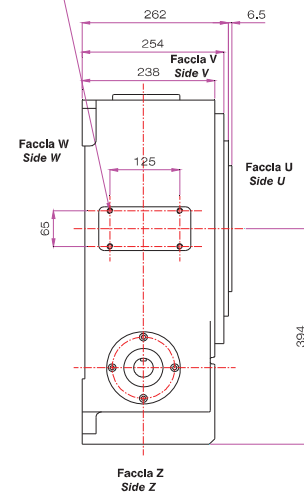
8 fori filettati M10x25 equid. su $\phi 445$.
8 holes tapped M10x25 eq. sp. on $\phi 445$.



2 fori per spina $\phi 12$ H7 (opzionali)
2 holes for dowels $\phi 12$ H7 (optionals)



4 fori fil. M10x19 (opzionali)
4 holes tapped M10x19 (optionals)



6 fori filettati M12x25 equid. $\phi 280$.
6 holes tapped M12x25 eq. sp. on $\phi 280$.

2 fori per spina $\phi 12$ H7 su $\phi 280 \pm 0.01$ (opzionali)
2 holes for dowels $\phi 12$ H7 on $\phi 280 \pm 0.01$ (optional)

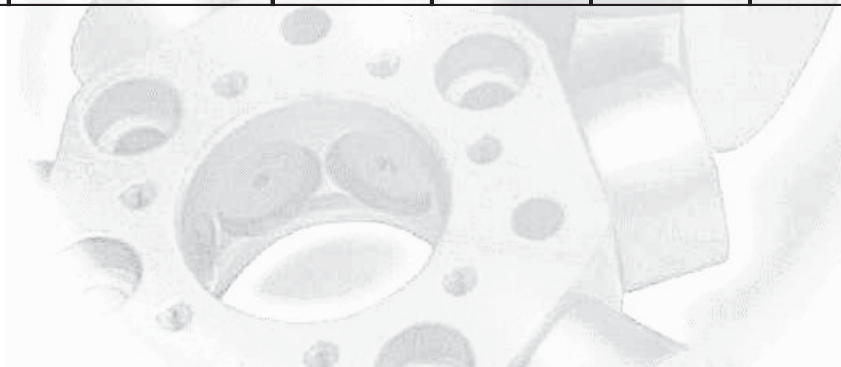
PESO 150 kg
WEIGHT 330 lb

La posizione dei fori di montaggio sulle facce opposte uguale a quella indicata - Soltanto le facce richieste dal cliente verranno forate.
Mounting holes positions on faces opposite to those shown are similar - Only faces specified by customer will be drilled.

Disponibile con limitatore di coppia interno sull'albero d'uscita.
Available with internal torque limiter on output shaft.

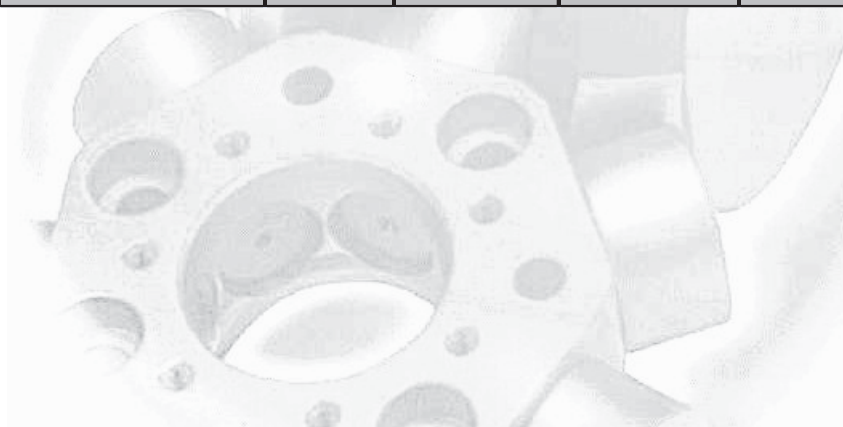
SX 25HD

S No. Of Stops	α Index Period	Model Number	Motion	* Cam Type	Mr B-10 Cap @ 50 IPM (Nm)	MI Torque Limit (Nm)	li Internal Inertia (kg.m ²)
3	180	SX25HD-3-S8-180	MS	1	46.5	27.5	0.0001
	210	SX25HD-3-S8-210	MS	1	46.5	28.6	0.0001
	240	SX25HD-3-S8-240	MS	1	45.1	29.7	0.0001
	270	SX25HD-3-S8-270	MS	1	45.1	29.7	0.0001
4	210	SX25HD-4-S8-210	MSC20	1	57.2	30.8	0.0001
	240	SX25HD-4-S8-240	MS	1	51.7	30.8	0.0001
	270	SX25HD-4-S8-270	MS	1	50.6	30.1	0.0001
6	90	SX25HD-6-S8-90	MSC20	1	58.3	28.6	0.0001
	120	SX25HD-6-S8-120	MS	1	58.3	29.7	0.0001
	150	SX25HD-6-S8-150	MS	1	58.3	30.8	0.0001
	180	SX25HD-6-S8-180	MS	1	58.3	30.8	0.0001
	210	SX25HD-6-S8-210	MS	1	58.3	30.8	0.0001
	240	SX25HD-6-S8-240	MS	1	58.3	30.8	0.0001
	270	SX25HD-6-S8-270	MS	1	58.3	30.8	0.0001
8	120	SX25HD-8-S8-120	MS	1	62.7	30.8	0.0001
	150	SX25HD-8-S8-150	MS	1	61.6	30.8	0.0001
	180	SX25HD-8-S8-180	MS	1	60.5	30.8	0.0001
	210	SX25HD-8-S8-210	MS	1	60.5	30.8	0.0001
	240	SX25HD-8-S8-240	MS	1	58.3	30.8	0.0001
	270	SX25HD-8-S8-270	MS	1	58.3	30.8	0.0001
12	120	SX25HD-12-S8-120	MS	2	83.6	29.7	0.0001
	150	SX25HD-12-S8-150	MS	2	84.7	30.8	0.0001
	180	SX25HD-12-S8-180	MS	2	83.6	30.8	0.0001
	210	SX25HD-12-S8-210	MS	2	81.4	30.8	0.0001
	240	SX25HD-12-S8-240	MS	2	80.3	30.8	0.0001
	270	SX25HD-12-S8-270	MS	2	78.1	30.8	0.0001



SX 40HD

S No. Of Stops	α Index Period	Model Number	Motion	* Cam Type	Mr B-10 Cap @ 50 IPM (Nm)	MI Torque Limit (Nm)	li Internal Inertia (kg.m ²)
2	330	SX40HD-2-S10-330	MSC50	1	168	257	0.0058
3	330	SX40HD-3-S10-330	MSC33	1	177	321	0.0059
4	270	SX40HD-4-S12-270	MS	1	224	320	0.0058
	330	SX40HD-4-S12-330	MS	1	173	333	0.0058
5	270	SX40HD-5-S12-270	MS	1	176	330	0.0059
	330	SX40HD-5-S12-330	MS	1	230	260	0.0059
6	270	SX40HD-6-S12-270	MS	1	237	297	0.0059
	330	SX40HD-6-S12-330	MS	1	236	297	0.0059
8	270	SX40HD-8-S12-270	MS	1	223	360	0.0058
	330	SX40HD-8-S12-330	MS	1	214	393	0.0058
10	150	SX40HD-10-S10-150	MS	1	126	178	0.0059
	180	SX40HD-10-S10-180	MS	1	124	189	0.0059
	270	SX40HD-10-S12-270	MS	1	211	360	0.0059
12	120	SX40HD-12-S10-120	MS	1	130	166	0.0059
	150	SX40HD-12-S10-150	MS	1	129	181	0.0059
	180	SX40HD-12-S10-180	MS	1	126	190	0.0059
	270	SX40HD-12-S10-270	MS	1	120	204	0.0059
16	150	SX40HD-16-S10-150	MS	1	135	227	0.0060
	180	SX40HD-16-S10-180	MS	1	128	193	0.0060
	270	SX40HD-16-S12-270	MS	1	240	410	0.0060
24	180	SX40HD-24-S10-180	MS	2	172	158	0.0059
	270	SX40HD-24-S10-270	MS	2	156	180	0.0059
32	180	SX40HD-32-S10-180	MS	2	170	167	0.0060
	270	SX40HD-32-S10-270	MS	2	155	185	0.0060



SX 60HD

S No. Of Stops	α Index Period	Model Number	Motion	* Cam Type	Mr B-10 Cap @ 50 IPM (Nm)	MI Torque Limit (Nm)	li Internal Inertia (kg.m ²)
2	300	SX60HD-2-S16-300	MSC50	1	431	445	0.0356
	330	SX60HD-2-S16-330	MSC50	1	388	452	0.0356
3	180	SX60HD-3-S12-180	MSC33	1	450	275	0.0341
	210	SX60HD-3-S12-210	MSC33	1	434	280	0.0356
	240	SX60HD-3-S16-240	MSC33	1	591	523	0.0356
	270	SX60HD-3-S16-270	MS	1	580	535	0.0356
	330	SX60HD-3-S16-330	MS	1	572	547	0.0356
4	180	SX60HD-4-S12-180	MSC33	1	571	331	0.0344
	210	SX60HD-4-S16-210	MSC20	1	625	662	0.0362
	240	SX60HD-4-S16-240	MS	1	591	682	0.0362
	270	SX60HD-4-S16-270	MS	1	584	642	0.0362
	330	SX60HD-4-S16-330	MS	1	597	662	0.0362
5	270	SX60HD-5-S16-270	MS	1	593	661	0.0348
6	120	SX60HD-6-S16-120	MS	1	683	712	0.0356
	150	SX60HD-6-S16-150	MS	1	661	732	0.0356
	180	SX60HD-6-S16-180	MS	1	650	744	0.0356
	210	SX60HD-6-S16-210	MS	1	649	755	0.0356
	270	SX60HD-6-S16-270	MS	1	641	768	0.0356
8	330	SX60HD-6-S16-330	MS	1	630	793	0.0356
	90	SX60HD-8-S12-90	MS	1	451	385	0.0344
	120	SX60HD-8-S16-120	MS	1	684	798	0.0362
	150	SX60HD-8-S16-150	MS	1	674	822	0.0362
	180	SX60HD-8-S16-180	MS	1	665	833	0.0362
10	270	SX60HD-8-S16-270	MS	1	654	865	0.0362
	330	SX60HD-8-S16-330	MS	1	615	1057	0.0362
	90	SX60HD-10-S12-90	MS	1	530	285	0.0345
	120	SX60HD-10-S16-120	MS	1	735	585	0.0368
	150	SX60HD-10-S16-150	MS	1	730	601	0.0368
12	180	SX60HD-10-S16-180	MS	1	713	721	0.0368
	270	SX60HD-10-S16-270	MS	1	657	1081	0.0368
	330	SX60HD-10-S16-330	MS	1	626	1322	0.0368
	90	SX60HD-12-S12-90	MS	1	475	335	0.0347
	120	SX60HD-12-S16-120	MS	1	811	680	0.0374
16	150	SX60HD-12-S16-150	MS	1	800	721	0.0374
	180	SX60HD-12-S16-180	MS	1	775	865	0.0374
	270	SX60HD-12-S16-270	MS	1	708	1298	0.0374
	330	SX60HD-12-S16-330	MS	1	672	1435	0.0374
	180	SX60HD-16-S16-180	MS	2	761	981	0.0362
20	270	SX60HD-16-S16-270	MS	2	854	1081	0.0362
	180	SX60HD-20-S16-180	MS	2	736	1185	0.0368
24	270	SX60HD-20-S16-270	MS	2	948	1292	0.0368
	90	SX60HD-24-S12-90	MS	2	857	421	0.0347
	180	SX60HD-24-S12-180	MS	2	1153	865	0.0374
32	270	SX60HD-24-S16-270	MS	2	1018	1298	0.0374
	180	SX60HD-32-S12-180	MS	2	1155	905	0.0349
32	270	SX60HD-32-S12-270	MS	2	1020	1350	0.0349

SX 95HD

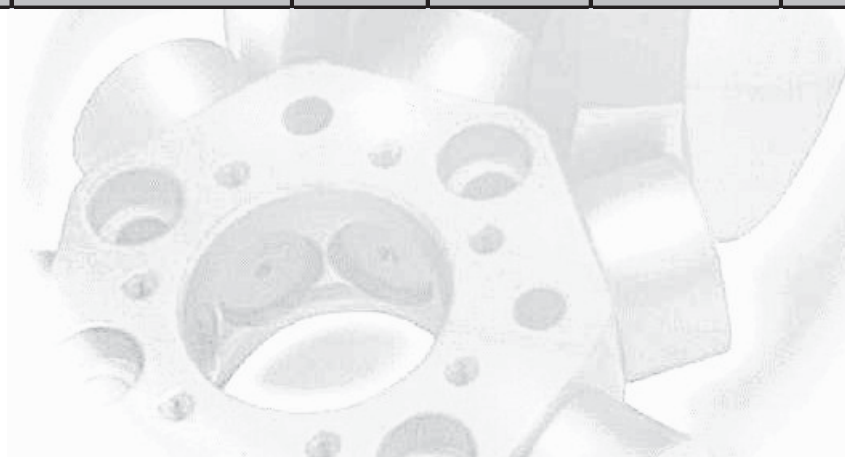
S No. Of Stops	α Index Period	Model Number	Motion	* Cam Type	Mr B-10 Cap @ 50 IPM (Nm)	MI Torque Limit (Nm)	li Internal Inertia (kg.m ²)
2	300	SX95-2-S20-300	MSC50	1	825	1450	0.211
3	270	SX95-3-S20-270	MS	1	1256	1254	0.211
4	270	SX95-4-S20-270	MS	1	1520	1550	0.2136
5	270	SX95-5-S20-270	MS	1	1535	1364	0.2065
6	270	SX95-6-S20-270	MS	1	1596	1637	0.211
8	150	SX95-8-S20-150	MS	1	1735	1875	0.2136
	270	SX95-8-S20-270	MS	1	1618	1970	0.2136
10	150	SX95-10-S20-150	MS	1	1722	1516	0.2165
	180	SX95-10-S20-180	MS	1	1715	1818	0.2165
	240	SX95-10-S20-180	MS	1	1685	2035	0.2165
	270	SX95-10-S20-270	MS	1	1635	2462	0.2165
	300	SX95-10-S20-300	MS	1	1596	2578	0.2165
	330	SX95-10-S20-330	MS	1	1585	2674	0.2165
12	120	SX95-12-S16-120	MS	1	1225	1165	0.204
	150	SX95-12-S20-150	MS	1	1911	1818	0.211
	180	SX95-12-S20-180	MS	1	1889	2182	0.211
	270	SX95-12-S20-270	MS	1	1688	2956	0.211
	300	SX95-12-S20-300	MS	1	1569	3266	0.211
	330	SX95-12-S20-330	MS	1	1530	3268	0.211
16	150	SX95-16-S16-150	MS	1	1915	2454	0.225
	180	SX95-16-S20-180	MS	1	1835	2631	0.225
	270	SX95-16-S20-270	MS	1	1780	3417	0.225
24	180	SX95-24-S20-180	MS	2	2626	1970	0.211
	270	SX95-24-S20-270	MS	2	2318	2956	0.211
32	180	SX95-32-S20-180	MS	2	2761	2631	0.225
	270	SX95-32-S20-270	MS	2	2461	3414	0.225



SX 95HHD

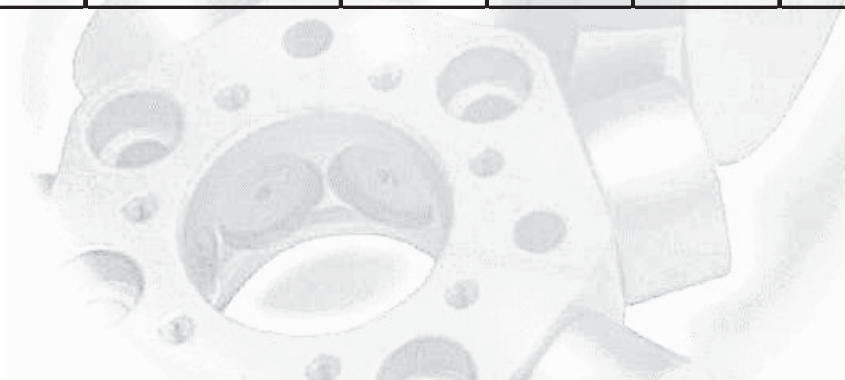
*Special series
1-1/2" roller followers*

S	α			*	Mr	MI	li
No. Of Index Stops	Period	Model Number	Motion	Cam Type	B-10 Cap @ 50 IPM (Nm)	Torque Limit (Nm)	Internal Inertia (kg.m ²)
4	330	SX95-4-S24-330	MS	1	2001	2020	0.2215
5	270	SX95-5-S24-270	MS	1	2042	1815	0.2263
6	270	SX95-6-S24-270	MS	1	2122	2177	0.2167
8	270	SX95-8-S24-270	MS	1	2152	2620	0.2215
10	180	SX95-10-S24-180	MS	1	2281	2418	0.2263
	270	SX95-10-S24-270	MS	1	2175	3274	0.2263
12	180	SX95-12-S24-180	MS	1	2512	2902	0.2311
	270	SX95-12-S24-270	MS	1	2245	3931	0.2311
16	180	SX95-16-S24-180	MS	2	2441	3499	0.2336
	270	SX95-16-S24-270	MS	2	2367	4545	0.2336
24	180	SX95-24-S24-180	MS	2	3493	2620	0.2167
	270	SX95-24-S24-270	MS	2	3083	3931	0.2167
32	180	SX95-32-S24-180	MS	2	3672	3499	0.2311
	270	SX95-32-S24-270	MS	2	3273	4541	0.2311



SX 140HD

S No. Of Stops	α Index Period	Model Number	Motion	* Cam Type	Mr B-10 Cap @ 50 IPM (Nm)	MI Torque Limit (Nm)	li Internal Inertia (kg.m ²)
2	330	SX140-2S24-330	MSC50	1	2177	2841	2.858
3	330	SX140-3S24-330	MSC33	1	2628	3870	2.8641
4	330	SX140-4S24-330	MSC33	1	3138	5161	2.8825
5	270	SX140-5S24-270	MS	1	2988	4212	2.8702
6	270	SX140-6S24-270	MS	1	3272	5054	2.8825
8	270	SX140-8S24-270	MSC20	1	3976	7764	2.907
10	150	SX140-10S24-150	MS	1	3624	4680	2.8702
	180	SX140-10S24-180	MS	1	3553	5616	2.8702
	270	SX140-10S24-270	MS	1	3361	8160	2.8702
12	120	SX140-12S24-120	MS	1	3783	4493	2.8825
	150	SX140-12S24-150	MS	1	3934	5616	2.8825
	180	SX140-12S24-180	MS	1	3894	6739	2.8825
	270	SX140-12S24-270	MS	1	3622	8195	2.8825
16	150	SX140-16S24-150	MS	1	4179	7488	2.907
	270	SX140-16S24-270	MS	1	3843	8229	2.907
24	180	SX140-24S24-180	MS	2	5496	6739	2.8825
	270	SX140-24S24-270	MS	2	5111	8170	2.8825
32	180	SX140-32S24-180	MS	2	5699	8132	2.907
	270	SX140-32S24-270	MS	2	5093	8223	2.907



ITALPLANT SX HD-SP SERIES

MODEL	AXIAL LOAD CAPACITY	MAX OVERHUNG MOMENT
SX25	6000 N	110 Nm
SX40	17500 N	700 Nm
SX60	19000 N	1200 Nm
SX95	23500 N	2100 Nm
SX95HHD	29000 N	3000 Nm
SX140	30000 N	3500 Nm



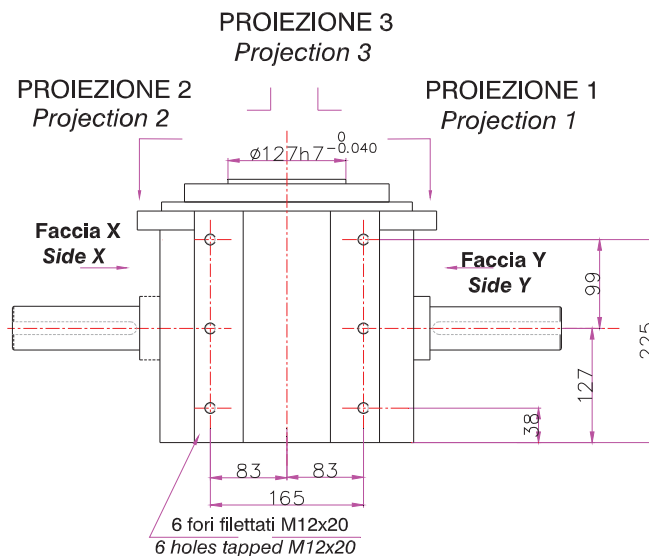
SX Heavy Duty GLOBOIDAL CAM INDEXERS



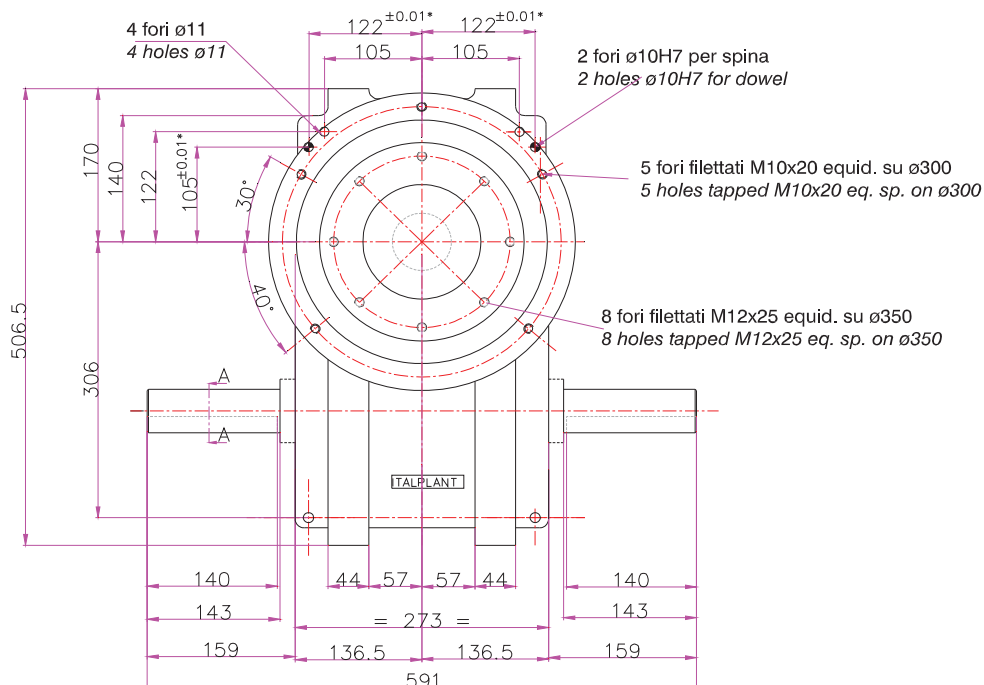
- Special high capacity roller followers
- Cast iron housing with high rigidity
- Hardened steel cam
- Four contact bearing with stiffness
- Many different mounting positions
- Available with internal torque limiter

PESO 200 kg
WEIGHT 440 lb

Standard



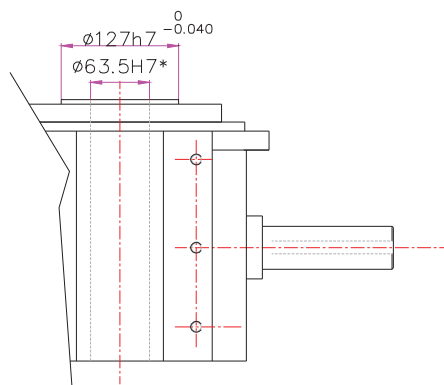
Sede chiavetta nella posizione indicata con la camma al centro della sosta
Key position indicated when cam is on the centre of dwell



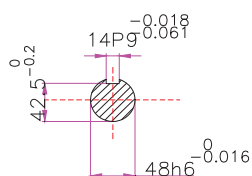
*quota con precisione ± 0.01 mm solo per spine
*quote with accuracy ± 0.01 mm only for dowels

La posizione dei fori di montaggio sulle facce opposte uguale a quella indicata
Soltanto le facce richieste dal cliente verranno forate.
Mounting holes positions on faces opposite to those shown are similar
Only faces specified by customer will be drilled.

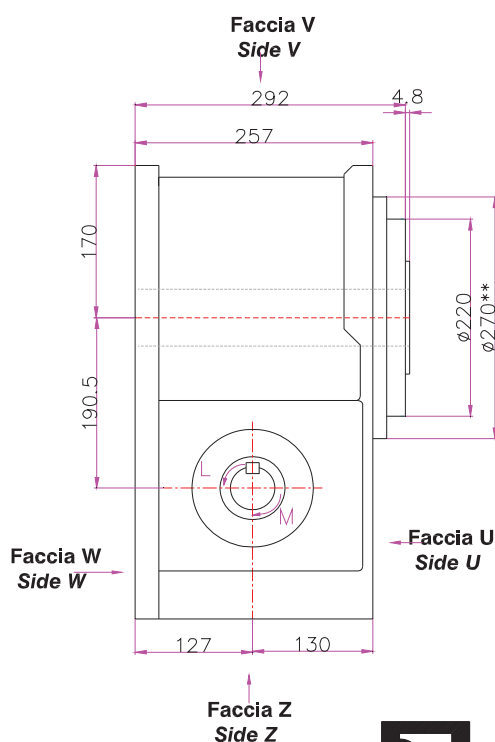
Through hole
Foro passante



*Tolleranza solo su richiesta
*Tolerance only on demand



Sez. A-A
Albero di ingresso
Input shaft



****Tolleranza su richiesta pr montaggio su faccia U**
****Tolerance on demand for mounting on face U**

DISPONIBILE CON LIMITATORE DI COPPIA
INTERNO SULL'ALBERO DI USCITA
*AVAILABLE WITH INTERNAL
TORQUE LIMITER ON OUTPUT SHAFT*



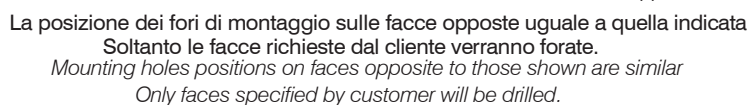
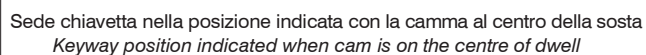
SP 805HD

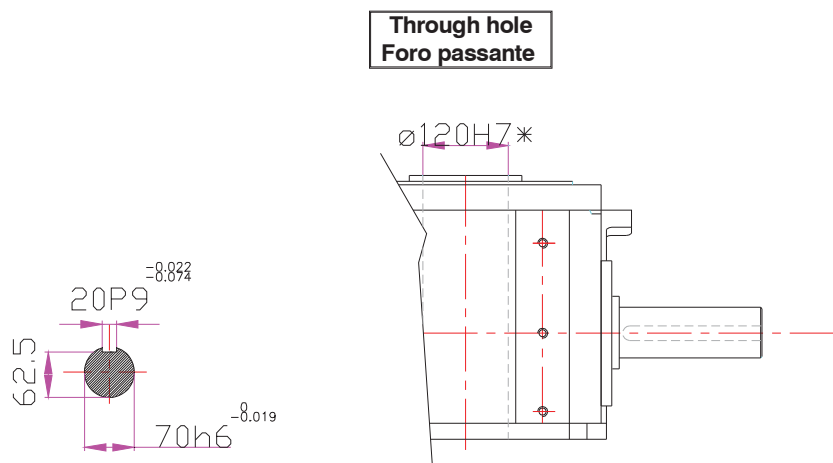
ITALPLANT

TESTE A DIVIDERE GLOBOIDALI
GLOBOIDAL CAM INDEXERS

SX-SP

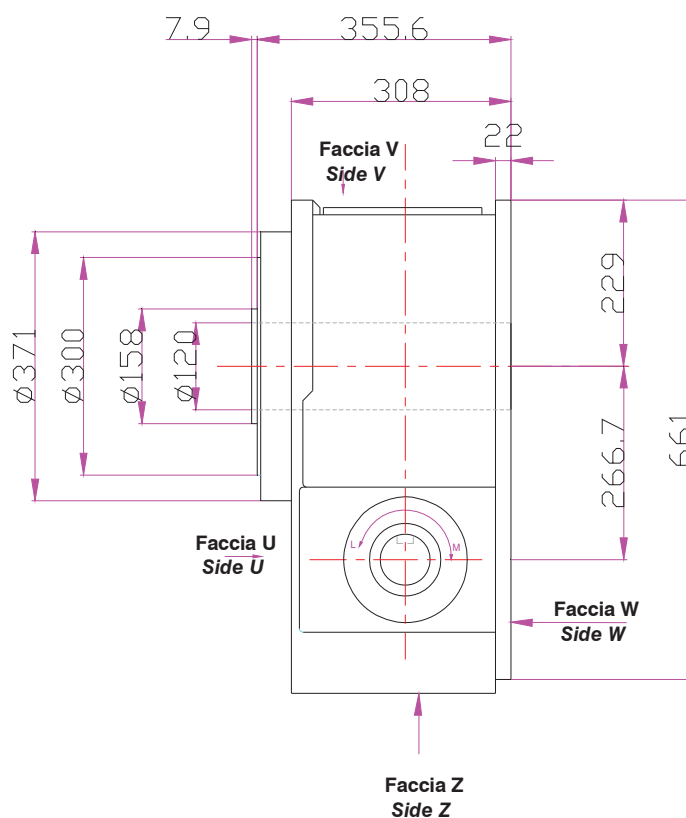
Standard





Sez. A-A
Albero di ingresso
Input shaft

*Tolleranza solo su richiesta
*Tolerance only on demand



**Tolleranza su richiesta pr montaggio su faccia U
**Tolerance on demand for mounting on face U

DISPONIBILE CON LIMITATORE DI COPPIA
INTERNO SULL'ALBERO DI USCITA
AVAILABLE WITH INTERNAL
TORQUE LIMITER ON OUTPUT SHAFT



SP 1205HD

ITALPLANT

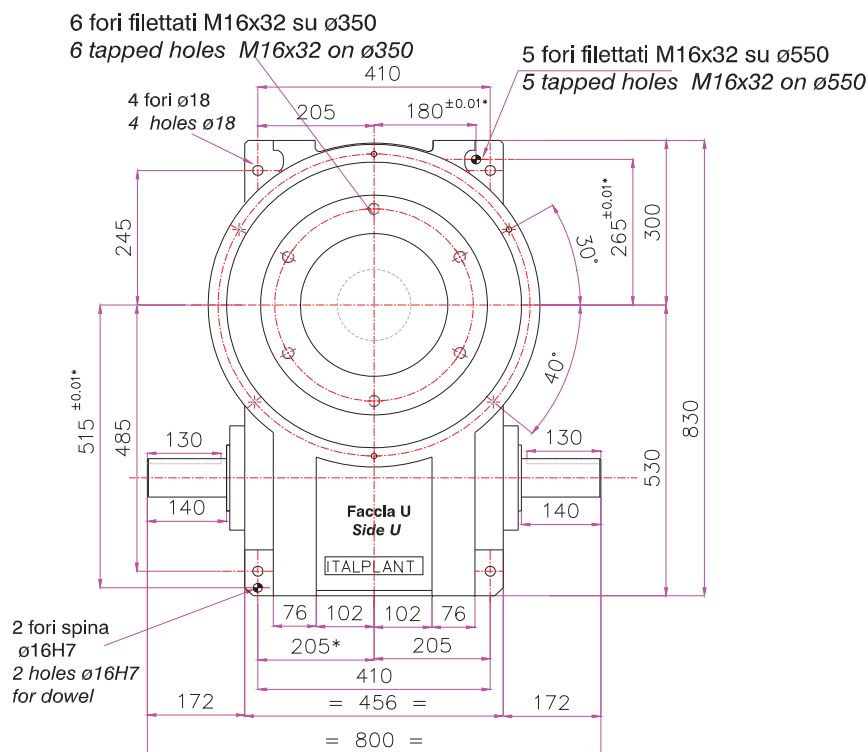
TESTE A DIVIDERE GLOBOIDALI
GLOBOIDAL CAM INDEXERS

ITALPLANT SX HD-SP SERIES

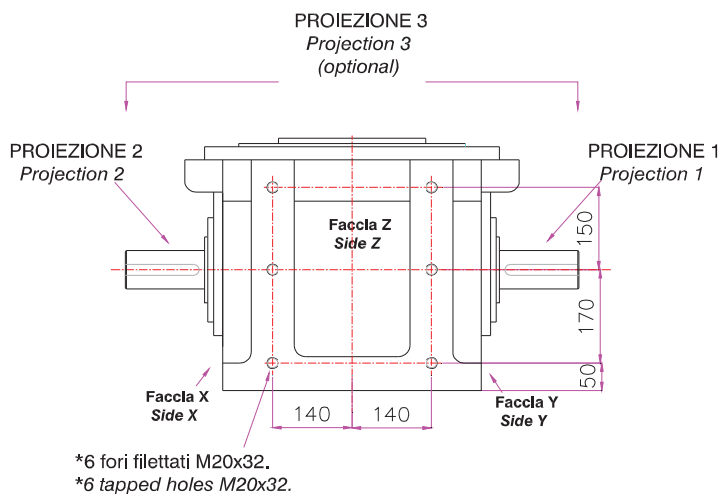
PESO 450 kg
WEIGHT 990 lb

Standard

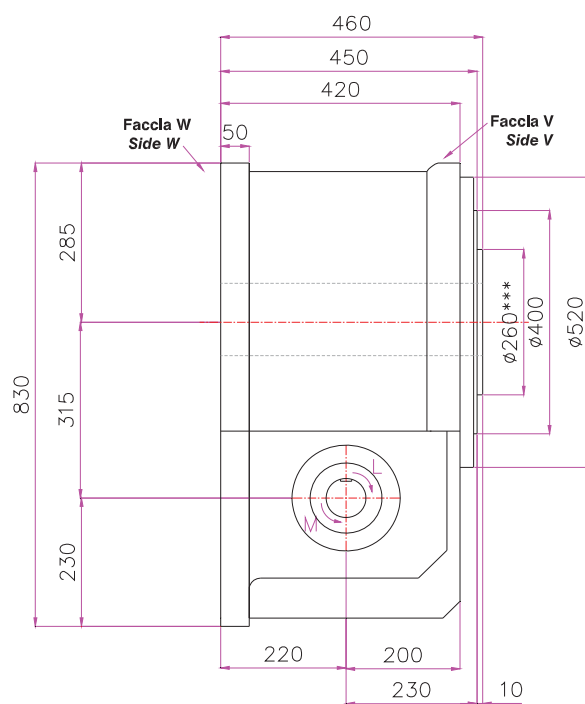
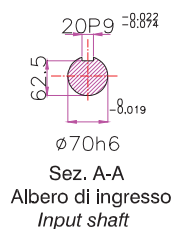
*quota con precisione ± 0.01 mm solo per spine
**Tolleranza su richiesta pr montaggio su faccia U
*quote with accuracy ± 0.01 mm only for dowels
**Tolerance on demand for mounting on face U



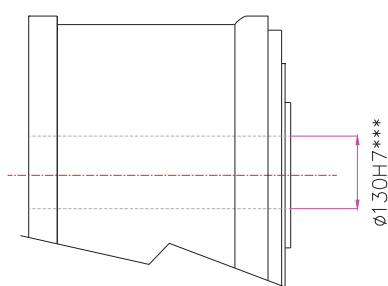
Sede chiave nella posizione indicata con la camma al centro della sosta
Keyway position indicated when cam is on the centre of dwell



La posizione dei fori di montaggio sulle facce opposte uguale a quella indicata
Soltanto le facce richieste dal cliente verranno forate.
Mounting holes positions on faces opposite to those shown are similar
Only faces specified by customer will be drilled.



Through hole
Foro passante



***Tolleranza solo su richiesta
***Tolerance only on demand

DISPONIBILE CON LIMITATORE DI COPPIA
INTERNO SULL' ALBERO DI USCITA
AVAILABLE WITH INTERNAL TORQUE LIMITER
ON OUTPUT SHAFT



SP1705HD

ITALPLANT

TESTE A DIVIDERE GLOBOIDALI
GLOBOIDAL CAM INDEXERS

ITALPLANT SX HD-SP SERIES

MODEL DATA

S No. of Stops	α Index Period	Model Number	Motion	* Cam Type	Mr B-10 Cap @ 50 IPM (Nm)	MI Torque Limit (Nm)	li Internal Inertia (kg.m ²)
1	330	SP 805-A1S24-330	MSC50	1	717	1432	0.1801
	180	SP 805-A2S24-180	MSC50	1	974	1562	0.1801
2	210	SP 805-A2S28-210	MSC33	1	1269	1655	0.1873
	240	SP 805-A2S32-240	MSC33	1	1786	1892	0.1999
	270	SP 805-A2S32-270	MSC33	1	1837	2128	0.1999
	300	SP 805-A2S32-300	MS	1	1693	1887	0.1999
	330	SP 805-A2S32-330	MS	1	1691	2076	0.1999
		SP 1205-A2S32-330	MSC50	1	3102	4887	0.8601
		SP 1705-A2S56-330	MSC50	1	10021	9045	3.0816
3	180	SP 805-A3S32-180	MSC20	1	1977	1957	0.1999
	210	SP 805-A3S32-210	MS	1	1966	1981	0.1999
	240	SP 805-A3S32-240	MS	1	1974	2265	0.1999
		SP 1205-A3S28-240	MSC33	1	2180	3265	0.8238
		SP 1705-A3S56-240	MSC33	1	11150	8961	3.0816
	270	SP 805-A3S32-270	MS	1	1977	2548	0.1999
		SP 1205-A3S32-270	MSC50	1	3335	5417	0.8851
		SP 1705-A3S56-270	MSC33	1	11093	10082	3.0816
	300	SP 805-A3S32-300	MS	1	1975	2831	0.1999
		SP 1205-A3S32-300	MSC50	1	3427	5463	0.8851
		SP 1705-A3S56-300	MSC20	1	10614	8777	3.0816
	330	SP 805-A3S32-330	MS	1	1974	3114	0.1999
		SP 1205-A3S32-330	MSC50	1	3525	5495	0.8851
		SP 1705-A3S56-330	MS	1	9802	9833	3.0816
4	120	SP 805-A4S24-120	MSC20	1	1247	1721	0.1840
	150	SP 805-A4S24-150	MS	1	1201	1765	0.1840
	180	SP 805-A4S28-180	MS	1	1535	2265	0.1936
	210	SP 805-A4S32-210	MSC20	1	2222	3044	0.2104
		SP 1205-A4S32-210	MSC50	1	4172	5415	0.8851
		SP 1705-A4S48-210	MSC33	1	8406	10455	2.9834
	240	SP 805-A4S32-240	MS	1	2247	3019	0.2104
		SP 1205-A4S32-240	MSC33	1	3849	5449	0.8851
		SP 1705-A4S48-240	MSC20	1	8022	10985	2.9834
	270	SP 805-A4S32-270	MS	1	2271	3397	0.2104
		SP 1205-A4S32-270	MS	1	3273	5404	0.8851
		SP 1705-A4S56-270	MSC20	1	12028	12358	3.2788
	300	SP 805-A4S32-300	MS	1	2259	3541	0.2104
		SP 1205-A4S32-300	MS	1	3280	5456	0.8851
		SP 1705-A4S56-300	MS	1	11369	11919	3.2788
	330	SP 805-A4S32-330	MS	1	2218	3551	0.2104
		SP 1205-A4S32-330	MS	1	3248	5489	0.8851
		SP 1705-A4S56-330	MS	1	11220	11176	3.2788
5	120	SP 805-A5S20-120	MS	1	954	1299	0.1796
		SP 1205-A5S28-120	MSC20	1	2591	3290	0.8090
		SP 1705-A5S32-120	MSC33	1	5124	5992	2.6758
	150	SP 805-A5S20-150	MS	1	939	1351	0.1796
		SP 1205-A5S32-150	MSC20	1	4169	5226	0.8601
		SP 1705-A5S32-150	MS	1	4691	6059	2.6758
	180	SP 805-A5S24-180	MS	1	1275	1857	0.1879
		SP 1205-A5S32-180	MS	1	3994	5282	0.8601
		SP 1705-A5S40-180	MSC20	1	7048	7611	2.8475
	210	SP 805-A5S24-210	MS	1	1248	1874	0.1879
		SP 1205-A5S32-210	MS	1	3935	5397	0.8601
		SP 1705-A5S40-210	MS	1	6717	7643	2.8475
	240	SP 805-A5S24-240	MS	1	1219	1883	0.1879
		SP 1205-A5S32-240	MS	1	3800	5462	0.8601
		SP 1705-A5S40-240	MS	1	6511	7770	2.8475
	270	SP 805-A5S24-270	MS	1	1192	1889	0.1879
		SP 1205-A5S32-270	MS	1	3731	5501	0.8601
		SP 1705-A5S48-270	MSC20	1	8597	11815	3.1068
	300	SP 805-A5S24-300	MS	1	1167	1893	0.1879
		SP 1205-A5S32-300	MS	1	3664	5525	0.8601
		SP 1705-A5S48-300	MS	1	8080	11798	3.1068
	330	SP 805-A5S24-330	MS	1	1143	1895	0.1879
		SP 1205-A5S32-330	MS	1	3597	5541	0.8601
		SP 1705-A5S48-330	MS	1	7949	11848	3.1068

ITALPLANT SX HD-SP SERIES

MODEL DATA

S No. of Stops	α Index Period	Model Number	Motion	* Cam Type	Mr B-10 Cap @ 50 IPM (Nm)	MI Torque Limit (Nm)	II Internal Inertia (kg.m ²)
6	90	SP 805-A6S32-90	MS	1	2594	1698	0.1999
		SP 805-A6S32-120	MS	1	2566	2265	0.1999
	120	SP 1205-A6S28-120	MSC33	1	2914	3270	0.8238
		SP 1705-A6S48-120	MSC20	1	8593	8239	2.8601
	150	SP 805-A6S32-150	MS	1	2489	2831	0.1999
		SP 1205-A6S32-150	MSC50	1	5026	5461	0.8851
		SP 1705-A6S48-150	MS	1	7804	8939	2.8601
	180	SP 805-A6S32-180	MS	1	2407	3397	0.1999
		SP 1205-A6S32-180	MSC20	1	3713	5463	0.8851
		SP 1705-A6S48-180	MS	1	7606	10727	2.8601
	210	SP 805-A6S32-210	MS	1	2330	3551	0.1999
		SP 1205-A6S32-210	MS	1	3760	5470	0.8851
		SP 1705-A6S56-210	MS	1	12297	12515	3.1709
	240	SP 805-A6S32-240	MS	1	2258	3560	0.1999
		SP 1205-A6S32-240	MS	1	3802	5511	0.8851
		SP 1705-A6S56-240	MS	1	12049	14303	3.1709
	270	SP 805-A6S32-270	MS	1	2192	3566	0.1999
		SP 1205-A6S32-270	MS	1	3839	5534	0.8851
		SP 1705-A6S56-270	MS	1	11807	16091	3.1709
	300	SP 805-A6S32-300	MS	1	2133	3569	0.1999
		SP 1205-A6S32-300	MS	1	3872	5550	0.8851
		SP 1705-A6S56-300	MS	1	11564	17878	3.1709
	330	SP 805-A6S32-330	MS	1	2079	3572	0.1999
		SP 1205-A6S32-330	MS	1	3815	5561	0.8851
		SP 1705-A6S56-330	MS	1	11329	18182	3.1709
8	90	SP 805-A8S28-90	MS	1	1881	2265	0.1936
		SP 805-A8S32-120	MS	1	2692	3019	0.2104
	120	SP 1205-A8S24-120	MSC20	1	2376	2883	0.8099
		SP 1705-A8S48-120	MSC20	1	10718	10985	3.0593
	150	SP 805-A8S32-150	MS	1	2789	3540	0.2104
		SP 1205-A8S24-150	MS	1	2283	2905	0.8099
		SP 1705-A8S48-150	MS	1	9683	11919	3.0593
	180	SP 805-A8S32-180	MS	1	2721	3557	0.2104
		SP 1205-A8S24-180	MS	1	2226	2935	0.8099
		SP 1705-A8S48-180	MS	1	9463	12521	3.0593
	210	SP 805-A8S32-210	MS	1	2621	3565	0.2104
		SP 1205-A8S28-210	MS	1	2774	3667	0.8534
		SP 1705-A8S56-210	MS	1	14180	16687	3.3979
	240	SP 805-A8S32-240	MS	1	2533	3569	0.2104
		SP 1205-A8S28-240	MS	1	2706	3679	0.8534
		SP 1705-A8S56-240	MS	1	13841	18098	3.3979
	270	SP 805-A8S32-270	MS	1	2455	3573	0.2104
		SP 1205-A8S28-270	MS	1	2642	3685	0.8534
		SP 1705-A8S56-270	MS	1	13516	18169	3.3979
	300	SP 805-A8S32-300	MS	1	2385	3575	0.2104
		SP 1205-A8S28-300	MS	1	2582	3689	0.8534
		SP 1705-A8S56-300	MS	1	13199	18220	3.3979
	330	SP 805-A8S32-330	MS	1	2323	3577	0.2104
		SP 1205-A8S28-330	MS	1	2527	3693	0.8534
		SP 1705-A8S56-330	MS	1	12903	18252	3.3979
10	90	SP 805-A10S24-90	MS	1	1603	1856	0.1879
		SP 1205-A10S32-90	MS	1	4806	5083	0.8601
		SP 1705-A10S32-90	MS	1	5585	6318	2.6758
	120	SP 805-A10S24-120	MS	1	1523	1883	0.1879
		SP 1205-A10S32-120	MS	1	4661	5458	0.8601
		SP 1705-A10S40-120	MS	1	7954	7755	2.8475
	150	SP 805-A10S24-150	MS	1	1449	1893	0.1879
		SP 1205-A10S32-150	MS	1	4475	5523	0.8601
		SP 1705-A10S48-150	MS	1	10819	12496	3.2017
	180	SP 805-A10S24-180	MS	1	1385	1897	0.1879
		SP 1205-A10S32-180	MS	1	4306	5552	0.8601
		SP 1705-A10S48-180	MS	1	10520	12677	3.2017
	210	SP 805-A10S24-210	MS	1	1330	1899	0.1879
		SP 1205-A10S32-210	MS	1	4151	5567	0.8601
		SP 1705-A10S48-210	MS	1	10223	12764	3.2017

ITALPLANT SX HD-SP SERIES

MODEL DATA

S No. of Stops	α Index Period	Model Number	Motion	* Cam Type	Mr B-10 Cap @ 50 IPM (Nm)	MI Torque Limit (Nm)	Ii Internal Inertia (kg.m ²)
10	240	SP 805-A10S24-240	MS	1	1283	1901	0.1879
		SP 1205-A10S32-240	MS	1	4013	5575	0.8601
		SP 1705-A10S56-240	MS	1	15281	18193	3.6248
	270	SP 805-A10S24-270	MS	1	1241	1902	0.1879
		SP 1205-A10S32-270	MS	1	3891	5581	0.8601
		SP 1705-A10S56-270	MS	1	14871	18243	3.6248
	330	SP 805-A10S24-330	MS	1	1173	1903	0.1879
		SP 1205-A10S32-330	MS	1	3684	5588	0.8601
		SP 1705-A10S56-330	MS	1	14149	18290	3.6248
12	90	SP 805-A12S20-90	MS	1	1215	1386	0.1818
		SP 1205-A12S32-90	MS	1	4820	5389	0.8851
		SP 1705-A12S32-90	MS	1	6137	6510	2.7130
	120	SP 805-A12S20-120	MS	1	1143	1397	0.1818
		SP 1205-A12S32-120	MS	1	4960	5510	0.8851
		SP 1705-A12S40-120	MS	1	9366	8312	2.9861
	150	SP 805-A12S24-150	MS	1	1552	1896	0.1918
		SP 1205-A12S32-150	MS	1	4823	5549	0.8851
		SP 1705-A12S40-150	MS	1	9076	8475	2.9861
	180	SP 805-A12S24-180	MS	1	1480	1899	0.1918
		SP 1205-A12S32-180	MS	1	4621	5567	0.8851
		SP 1705-A12S48-180	MSC20	1	12351	12813	3.3440
	210	SP 805-A12S24-210	MS	1	1419	1901	0.1918
		SP 1205-A12S32-210	MS	1	4443	5576	0.8851
		SP 1705-A12S48-210	MS	1	11036	12820	3.3440
	240	SP 805-A12S24-240	MS	1	1367	1902	0.1918
		SP 1205-A12S32-240	MS	1	4289	5582	0.8851
		SP 1705-A12S48-240	MS	1	10696	12852	3.3440
	270	SP 805-A12S24-270	MS	1	1322	1903	0.1918
		SP 1205-A12S32-270	MS	1	4154	5587	0.8851
		SP 1705-A12S48-270	MS	1	10388	12870	3.3440
	300	SP 805-A12S24-300	MS	1	1283	1904	0.1918
		SP 1205-A12S32-300	MS	1	4034	5589	0.8851
		SP 1705-A12S48-300	MS	1	10108	12883	3.3440
	330	SP 805-A12S24-330	MS	1	1248	1904	0.1918
		SP 1205-A12S32-330	MS	1	3928	5592	0.8851
		SP 1705-A12S48-330	MS	1	9855	12893	3.3440
16	90	SP 805-A16S24-90	MS	2	2005	1783	0.1840
		SP 1205-A16S24-90	MS	1	2811	2934	0.8099
		SP 1705-A16S24-90	MS	1	3588	3798	2.6200
	120	SP 805-A16S32-120	MS	2	3934	3019	0.2104
		SP 1205-A16S28-120	MS	1	3451	3679	0.8534
		SP 1705-A16S32-120	MS	1	7298	7246	2.8345
	150	SP 805-A16S32-150	MS	2	3956	3528	0.2104
		SP 1205-A16S28-150	MS	1	3269	3689	0.8534
		SP 1705-A16S40-150	MS	2	10520	7657	2.7760
	180	SP 805-A16S32-180	MS	2	4040	3549	0.2104
		SP 1205-A16S28-180	MS	1	3116	3695	0.8534
		SP 1705-A16S48-180	MS	2	13365	11675	2.9834
	210	SP 805-A16S32-210	MS	2	3772	3560	0.2104
		SP 1205-A16S28-210	MS	1	2988	3698	0.8534
		SP 1705-A16S48-210	MS	2	14147	12491	3.0593
	240	SP 805-A16S32-240	MS	2	2878	3566	0.2104
		SP 1205-A16S28-240	MS	1	2879	3701	0.8534
		SP 1705-A16S48-240	MS	2	13862	12639	3.0593
	270	SP 805-A16S32-270	MS	2	3262	3570	0.2104
		SP 1205-A16S28-270	MS	1	2784	3702	0.8534
		SP 1705-A16S48-270	MS	2	13564	12725	3.0593
	300	SP 805-A16S32-300	MS	2	3680	3573	0.2104
		SP 1205-A16S28-300	MS	1	2702	3703	0.8534
		SP 1705-A16S48-300	MS	2	13272	12774	3.0593
	330	SP 805-A16S32-330	MS	2	3144	3575	0.2104
		SP 1205-A16S28-330	MS	1	2628	3704	0.8534
		SP 1705-A16S48-330	MS	2	12993	12810	3.0593

ITALPLANT SX HD-SP SERIES

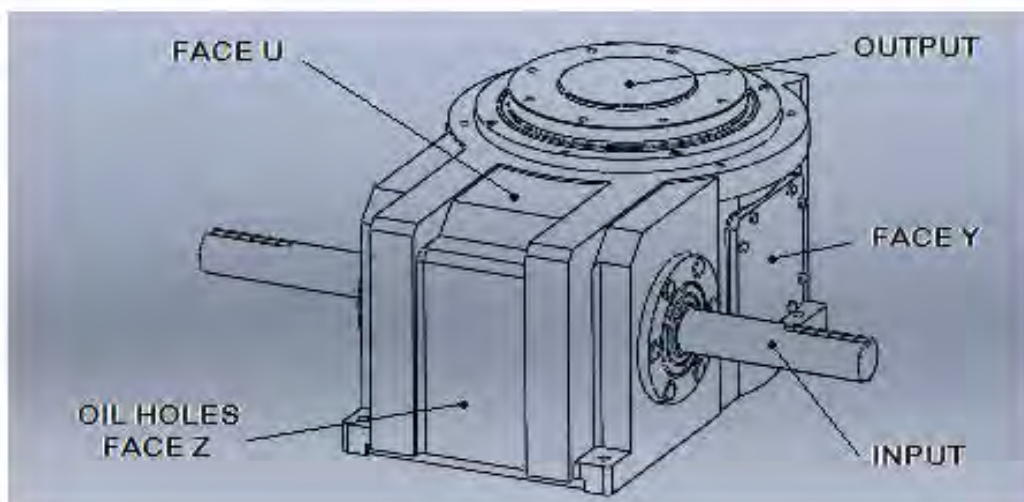
MODEL DATA

S No. of Stops	α Index Period	Model Number	Motion	* Cam Type	Mr B-10 Cap @ 50 IPM (Nm)	Ml Torque Limit (Nm)	Ii Internal Inertia (kg.m ²)
20	90	SP 805-A20S24-90	MS	2	2397	1538	0.1879
		SP 1205-A20S28-90	MS	2	4423	3438	0.8090
		SP 1705-A20S24-90	MS	2	3905	3314	2.5591
	120	SP 805-A20S24-120	MS	2	2300	1879	0.1879
		SP 1205-A20S32-120	MS	2	6999	5415	0.8601
		SP 1705-A20S32-120	MS	2	8221	6547	2.6758
	150	SP 805-A20S24-150	MS	2	2164	1891	0.1879
		SP 1205-A20S32-150	MS	2	6825	5505	0.8601
		SP 1705-A20S32-150	MS	2	7985	6694	2.6758
	180	SP 805-A20S24-180	MS	2	2064	1896	0.1879
		SP 1205-A20S32-180	MS	2	6552	5541	0.8601
		SP 1705-A20S40-180	MS	2	12383	8431	2.9034
	210	SP 805-A20S24-210	MS	2	1998	1898	0.1879
		SP 1205-A20S32-210	MS	2	6310	5561	0.8601
		SP 1705-A20S48-210	MS	2	15684	12706	3.2017
	240	SP 805-A20S24-240	MS	2	1953	1900	0.1879
		SP 1205-A20S32-240	MS	2	6128	5570	0.8601
		SP 1705-A20S48-240	MS	2	15275	12774	3.2017
	270	SP 805-A20S24-270	MS	2	1904	1901	0.1879
		SP 1205-A20S32-270	MS	2	5968	5577	0.8601
		SP 1705-A20S48-270	MS	2	14885	12817	3.2017
	330	SP 805-A20S24-330	MS	2	1800	1903	0.1879
		SP 1205-A20S32-330	MS	2	5661	5585	0.8601
		SP 1705-A20S48-330	MS	2	14182	12862	3.2017
24	90	SP 805-A24S20-90	MS	2	1802	1383	0.1818
		SP 1205-A24S32-90	MSC20	2	6059	5435	0.8851
		SP 1705-A24S24-90	MS	2	4329	3449	2.5729
	120	SP 805-A24S20-120	MS	2	1568	1396	0.1818
		SP 1205-A24S32-120	MS	2	6570	5492	0.8851
		SP 1705-A24S32-120	MS	2	8980	6676	2.7130
	150	SP 805-A24S20-150	MS	2	1499	1400	0.1818
		SP 1205-A24S32-150	MS	2	6482	5541	0.8851
		SP 1705-A24S40-150	MS	2	13846	8431	2.9861
	180	SP 805-A24S24-180	MS	2	2044	1899	0.1918
		SP 1205-A24S32-180	MS	2	6075	5563	0.8851
		SP 1705-A24S40-180	MS	2	13420	8521	2.9861
	210	SP 805-A24S24-210	MS	2	1988	1901	0.1918
		SP 1205-A24S32-210	MS	2	6063	5573	0.8851
		SP 1705-A24S40-210	MS	2	12999	8563	2.9861
	240	SP 805-A24S24-240	MS	2	1949	1902	0.1918
		SP 1205-A24S32-240	MS	2	5600	5580	0.8851
		SP 1705-A24S40-240	MS	2	12608	8590	2.9861
	270	SP 805-A24S24-270	MS	2	1907	1903	0.1918
		SP 1205-A24S32-270	MS	2	5488	5585	0.8851
		SP 1705-A24S40-270	MS	2	12250	8603	2.9861
	330	SP 805-A24S24-330	MS	2	1889	1904	0.1918
		SP 1205-A24S32-330	MS	2	5340	5591	0.8851
		SP 1705-A24S40-330	MS	2	11629	8620	2.9861

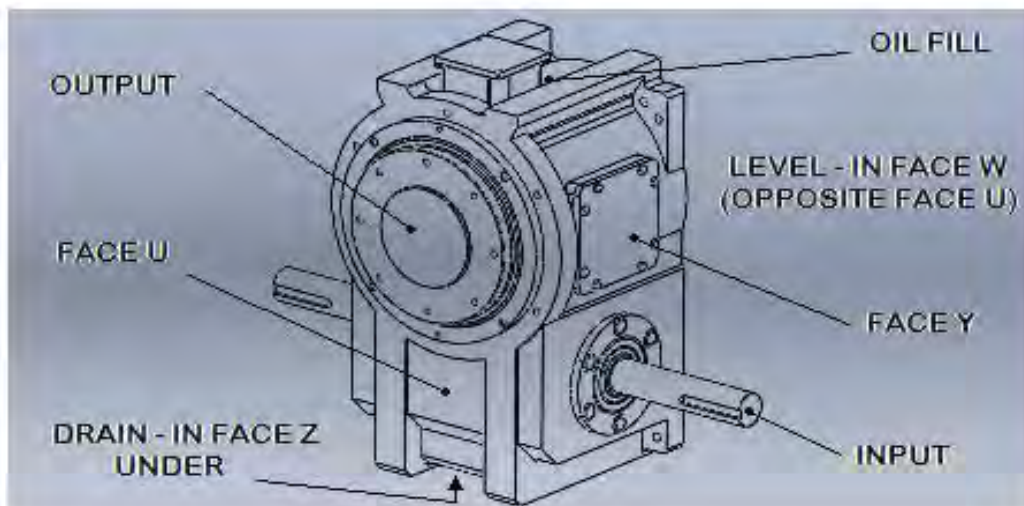


MOUNTING POSITIONS

MOUNTING POSITION B



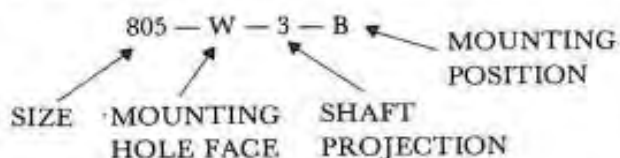
MOUNTING POSITION D



NOTES

1. Refer to Engineering Section B for method of indexer selection.

2. Indexer code example



For units with mounting holes in both faces add additional letter e.g. 805 - WZ - 3 - B

3. For further ordering information see Section M.

4. For reducers and drives refer to Section J.

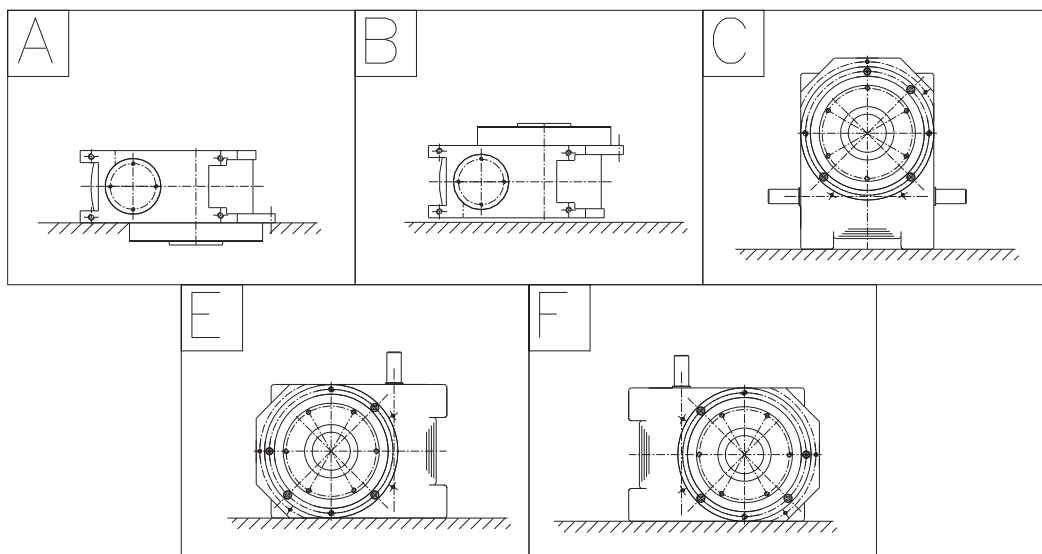
5. Refer to Section K for lubrication and maintenance.

6. Do not use indexers in mounting positions other than that ordered before consulting factory.

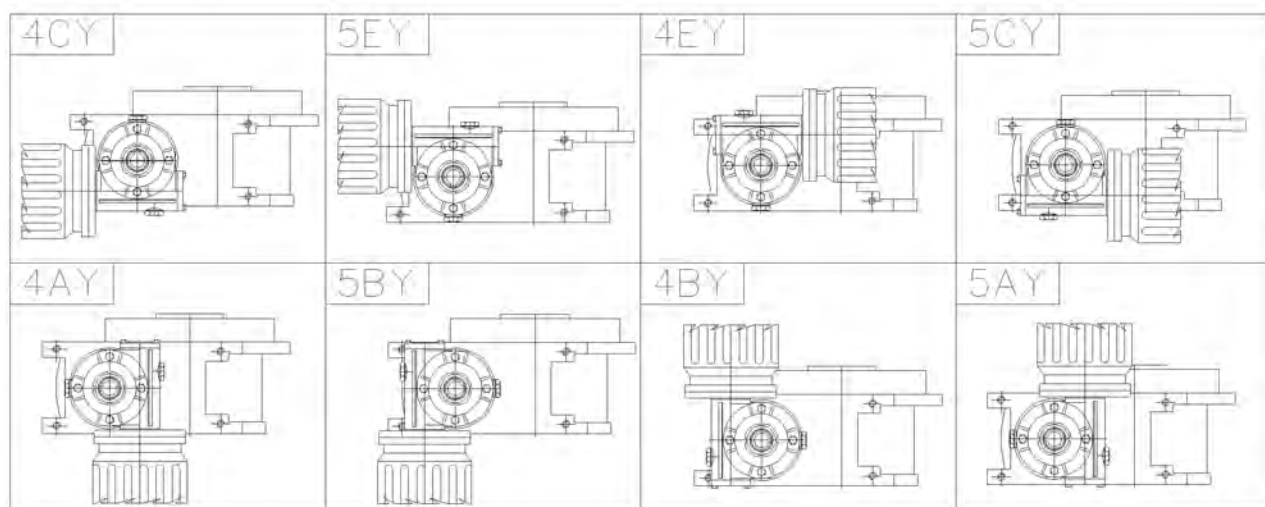
7. Refer to mounting position diagram above for location of oil level, drain and fill plugs.

8. **TYPE NUMBER** — This is the number of complete index cycles in one revolution of the input shaft (cam). A type 1 cam has one index and one dwell per revolution. A type 2 cam has two of each per revolution, arranged in sequence: index-dwell-index-dwell.

MOUNTING POSITIONS



DRIVE MOUNTING POSITIONS



This drive mounting positions are on the face Y.

*The same mounting positions can
be used on face X.*



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