
Four point contact ball slewing bearings



Four point contact ball slewing bearing is composed of two seat rings, compact in structure and light in weight. The steel ball is in contact with the ring's raceway at four points, and can withstand axial force, radial force and overturning moment at the same time. It can be selected for engineering machinery such as rotary conveyor, welding operator, small and medium-sized crane and excavator.

Tedin provides the following types of slewing bearings:

1. Four point contact ball slewing bearings: with internal gear, with external gear, without gear;
2. Crossed roller slewing bearings: with internal gear, with external gear, without gear;
3. Double row four point contact ball slewing bearings: with internal gear, with external gear, without gear;
4. Three row slewing bearings: with internal gear, with external gear, without gear;

Tedin's precision four point contact ball slewing bearings are widely used for the following applications:

1. Trailer: This type of slewing bearing is used in many occasions: transportation industry, agricultural trailer, irrigation system and airport luggage rack. Application in vehicle, the bearing transfer axial load, radial load and torque. In other applications, they mostly transmit axial loads.

2. Wind power: Wind turbine bearing usually includes yaw bearing, pitch bearing and transmission system bearing (main shaft and gearbox bearing). The yaw bearing is installed at the connection part between the tower and the cabin, and the pitch bearing is installed at the connection part between the root of each blade and the hub. One set of yaw bearing and three sets of pitch bearing are used for each wind turbine. Tedin provides yaw bearing, pitch bearing, and main shaft bearing for customers.

3. Solar energy: Rotating solar panels are a good way to increase energy. As four point

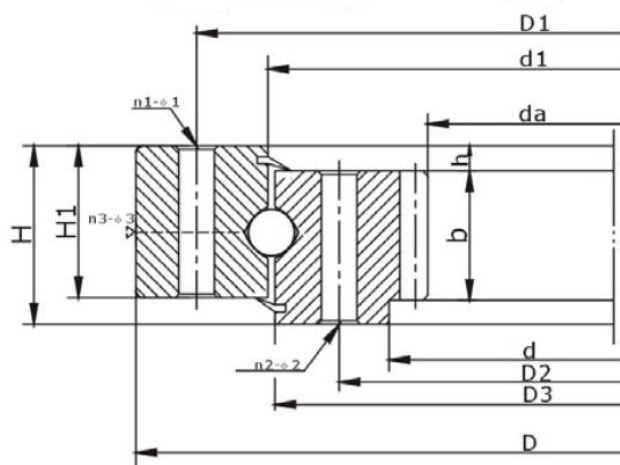
contact slewing bearings have a very compact design, it supplies the largest solar electric field in Europe.

4. Medical equipments: The advantages of four point contact slewing bearings are: high precision, low noise, long life and high reliability. They have been widely used in gamma knife, CT machine, nuclear magnetic resonance machine and other large-scale medical equipments.

5. Robots: Industrial robot and other equipment. The rotary table slewing bearings are installed in the joint of the robots. This structure can realize the incredible high tight rotating motion.

6. Radar: Military use Radar.

7. Laser Process Equipments: Tedin supplied many batches of four point contact slewing bearings (without gear type) to our customer in the field of laser process equipments.



Designations	Boundary dimensions			mounting dimensions				Structure size				
No gears	D	d	H	D1	D2	n	Φ	n1	D3	d1	H1	h
010.20.200	280	120	60	248	152	12	16	2	201	199	50	10
010.20.224	304	144	60	272	176	12	16	2	225	223	50	10
010.20.250	330	170	60	298	202	18	16	2	251	249	50	10
010.20.280	360	200	60	328	232	18	16	2	281	279	50	10
010.25.315	408	222	70	372	258	20	18	2	316	314	60	10
010.25.355	448	262	70	412	298	20	18	2	356	354	60	10
010.25.400	493	307	70	457	343	24	18	2	401	399	60	10
010.25.450	543	357	70	507	393	24	18	2	451	449	60	10
010.30.500	602	398	80	566	434	20	18	4	501	498	70	10
010.25.500	602	398	80	566	434	20	18	4	501	499	70	10
010.30.560	662	458	80	626	494	20	18	4	561	558	70	10
010.25.560	662	458	80	626	494	20	18	4	561	559	70	10



LUOYANG TEDIN BEARING CO., LTD.

Tel: 0086-136-6388 9399

Email: sales@tedin-bearing.com;

Homepage: www.tedin-bearing.com;

010.30.630	732	528	80	696	564	24	18	4	631	628	70	10
010.25.630	732	528	80	696	564	24	18	4	631	629	70	10
010.30.710	812	608	80	776	644	24	18	4	711	708	70	10
010.25.710	812	608	80	776	644	24	18	4	711	709	70	10
010.40.800	922	678	100	878	722	30	22	6	801	798	90	10
010.30.800	922	678	100	878	722	30	22	6	801	798	90	10
010.40.900	1022	778	100	978	822	30	22	6	901	898	90	10
010.30.900	1022	778	100	978	822	30	22	6	901	898	90	10
010.40.1000	1122	878	100	1078	922	36	22	6	1001	998	90	10
010.30.1000	1122	878	100	1078	922	36	22	6	1001	998	90	10
010.40.1120	1242	998	100	1198	1042	36	22	6	1121	1118	90	10
010.30.1120	1242	998	100	1198	1042	36	22	6	1121	1118	90	10
010.45.1250	1390	1110	110	1337	1163	40	26	5	1252	1248	100	10
010.35.1250	1390	1110	110	1337	1163	40	26	5	1251	1248	100	10
010.45.1400	1540	1260	110	1487	1313	40	26	5	1402	1398	100	10
010.35.1400	1540	1260	110	1487	1313	40	26	5	1401	1398	100	10
010.45.1600	1740	1460	110	1687	1513	45	26	5	1602	1598	100	10
010.35.1600	1740	1460	110	1687	1513	45	26	5	1601	1598	100	10
010.45.1800	1940	1660	110	1887	1713	45	26	5	1802	1798	100	10
010.35.1800	1940	1660	110	1887	1713	45	26	5	1801	1798	100	10
010.60.2000	2178	1825	144	2110	1891	48	33	8	2002	1998	132	12
010.40.2000	2178	1825	144	2110	1891	48	33	8	2001	1998	132	12
010.60.2240	2418	2065	144	2350	2131	48	33	8	2242	2238	132	12
010.40.2240	2418	2065	144	2350	2131	48	33	8	2241	2238	132	12
010.60.2500	2678	2325	144	2610	2391	56	33	8	2502	2498	132	12
010.40.2500	2678	2325	144	2610	2391	56	33	8	2501	2498	132	12
010.60.2800	2978	2625	144	2910	2691	56	33	8	2802	2798	132	12
010.40.2800	2978	2625	144	2910	2691	56	33	8	2801	2798	132	12
010.75.3150	3376	2922	174	3286	3014	56	45	8	3152	3147	162	12
010.50.3150	3376	2922	174	3286	3014	56	45	8	3152	3148	162	12
010.75.3550	3776	3322	174	3686	3414	56	45	8	3552	3547	162	12
010.50.3550	3776	3322	174	3686	3414	56	45	8	3552	3548	162	12
010.75.4000	4226	3772	174	4136	3864	60	45	10	4002	3997	162	12
010.50.4000	4226	3772	174	4136	3864	60	45	10	4002	3998	162	12
010.75.4500	4726	4272	174	4636	4364	60	45	10	4502	4497	162	12
010.50.4500	4726	4272	174	4636	4364	60	45	10	4502	4498	162	12

For more information, please contact [Tedin's](#) technical center.

Website: www.tedin-bearing.com;

Address: High-tech Zone, Luoyang, Henan, China