DESCH Planetary Gearboxes

PX Series - Intelligent modular system

Gears & Drive Solutions

PX 25 - GB

DESCH Planetary Gearboxes

Type PX Series

DESCH Planetary Gearboxes

With the new PX series, DESCH offers a high-performance range of modular planetary gearboxes that have been specially developed for challenging applications in industrial environments. Based on our flexible standardised and modular system, the gearboxes can be individually adapted to your requirements - for maximum efficiency, durability and reliability.

DESCH System solutions - more than just gearboxes

- **Gearbox + Clutch + Brake + Motor**
  Perfectly matched, both mechanically and in terms of control technology - directly from DESCH.
- **Smart monitoring with DESCHcontrol.M**
  Permanent condition monitoring of your drives in real time - for maximum system availability and predictive maintenance.
- **Torque measurement with DESCHtorque**
  Precise control of your processes thanks to integrated sensors - ideal for critical applications.
- **System-based drive solutions**
  Whether electric or hydraulic - we supply complete drive packages including monitoring, cooling and lubrication.
- **Engineering support included**
  Our experts support you from design to commissioning - worldwide.

Your advantage: a single point of contact, shorter project lead times, no interface problems - and a solution that works.

DESCH - your partner for integrated drive systems.

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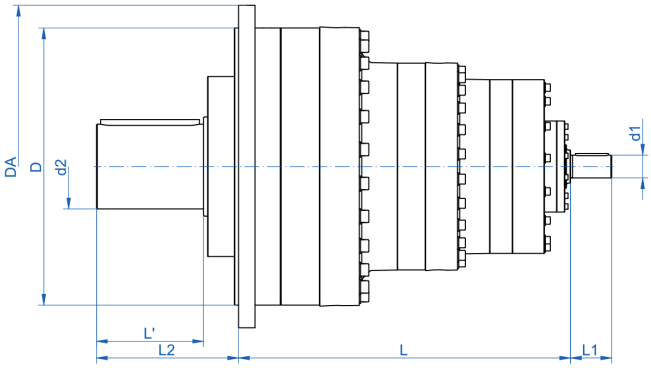
SMART DRIVE SOLUTIONS

Your benefits at a glance:

- **Modular and flexible:** 19 sizes with a wide range of output and drive variants - can be combined with bevel gearboxes or spur gearboxes.
- **High power density:** Torques from 1,000 Nm to 1,000,000 Nm in the standard range - larger designs available on request.
- **Optimised adaptation:** Brakes, clutches or electric motors - seamless integration into your system.
- **Full control:** Can be integrated as an option - **DESCHcontrol.M** for condition monitoring and **DESCHtorque** for precise torque measurement.
- **Efficient lubrication:** Optionally supplied oil lubrication systems ensure long-lasting and low-maintenance operation.
- **Made in Germany:** Development, production and assembly from a single source - for the highest quality standards and short delivery times.

Whether press drives, conveyor technology, recycling, mining, winches or special machine construction - the PX series stands for innovative drive solutions that will help you move forward in the long term.

All modules can be combined and are supplied as a pre-assembled system on request. Reduce interfaces and speed up your project time.



sample:
slewing gearbox

							1-stage				2-stage				3-stage			
PX,m	T ab	D	d2	DA	L2	L[1]	L	T an	L1	d1	L	T an	L1	d1	L	T an	L1	d1
[-]	[Nm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[Nm]	[mm]	[mm]	[mm]	[Nm]	[mm]	[mm]	[mm]	[Nm]	[mm]	[mm]
4	17.500	340	115	400	200	150	175	4.755	100	75	305	1.292	65	50	415	351	50	35
5	30.000	420	135	490	235	175	215	8.152	120	90	375	2.215	80	75	510	602	55	40
6	47.000	500	155	585	270	200	255	12.772	130	100	445	3.471	120	90	605	943	60	75
7	70.000	580	180	675	310	230	295	19.022	150	115	520	5.169	130	100	700	1.405	120	90
8	102.000	670	200	780	345	260	340	27.171	170	130	600	7.532	130	100	810	2.047	120	90
9	175.000	750	240	880	415	315	380	47.554	200	155	670	12.922	150	115	910	3.512	130	100
10	250.000	850	270	990	465	355	430	67.935	230	175	760	18.461	170	130	1.030	5.016	130	100
11	325.000	950	295	1.110	510	385	485	88.315	255	195	850	23.999	200	155	1.150	6.521	150	115
12	450.000	1.025	330	1.200	570	430	520	122.283	280	215	920	33.229	230	175	1.240	9.030	170	130
14	750.000	1.200	390	1.400	680	510	610	203.804	335	255	1.070	55.382	255	195	1.450	15.049	200	155
16	1.000.000	1.400	430	1.650	750	560	710	271.739	365	280	1.250	73.842	280	215	1.690	20.066	230	175

SMART DRIVE SOLUTIONS

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