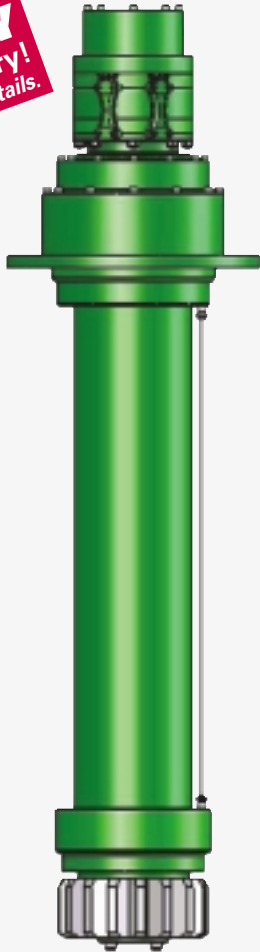


TITAN™ PSD Series

Low Speed, High Torque, Planetary Slew Drives

WARRANTY
Best in the Industry!
See our web page for details.



TITAN™ Planetary Slew Drive with Integral Multi-Disc Brake



Features

- Integral low-speed high-torque hydraulic motor
- Designed for rugged continuous duty
- Very favorable weight/torque ratio
- Exceptionally quiet running
- Wide range of accessories
- Competitively priced
- Very low mass moment of inertia
- Superior low speed performance
- Very compact
- Output torque capacity to 700,000 Nm Intermittently; 592,000 Nm continuously

Accessories

- Speed encoders/tachometers
- Integral multi-disc brakes
- Cross-line relief valves
- Fluid power generators and control systems
- Planetary torque multipliers with output torques to 1,500,000 Nm available



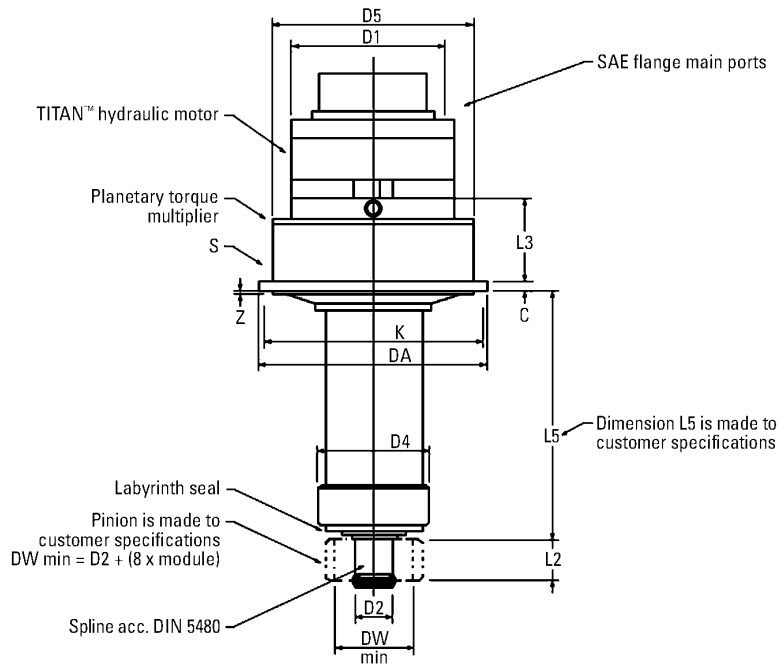
IHD, Inc.

6830 N. Eldridge Parkway, Unit 102
Houston, Texas 77041 USA
Tel: (1) 713/849-2949
Fax: (1) 713/849-5638
E-mail: info@IHD-USA.com

www.IHD-USA.com



TITAN™ Hydraulic Motor • Single Stage Planetary Gear Slew Drive • Type: PSD



Dimensions subject to change without notice.

Dimensions (mm)														
Type HMD	Planetary Torque Multiplier Type PSD	Splines acc. to DIN 5480	C	D1	D2	D4	D5	DA	L2	L3	Z	K	Flange Screws	
													S	Qty.
410-01305	10	140 x 5 x 30 x 26-8n	30	410	130	310	310	520	145	420	8	510	18	28
410-01740	11	150 x 5 x 30 x 28-8n	32	410	140	360	365	560	155	480	8	530	18	20
515-02975	12	160 x 5 x 30 x 30-8n	34	515	160	400	395	605	165	550	9	555	26	20
515-03860	13	180 x 5 x 30 x 34-8n	39	515	180	440	425	645	175	570	11	585	26	24
635-05795	14	210 x 5 x 30 x 40-8n	42	635	210	500	495	720	190	665	9	665	26	32
635-07480	16	240 x 8 x 30 x 28-8n	44	635	240	550	535	770	215	665	10	715	26	36
745-09865	18	250 x 8 x 30 x 30-8n	50	745	250	610	610	865	232	695	10	830	33	24
745-11795	19	260 x 8 x 30 x 31-8n	50	745	260	610	657	930	250	760	12	865	33	36
910-17565	22	280 x 8 x 30 x 34-8n	56	910	280	650	720	960	260	800	12	915	33	36
910-22230	24	300 x 8 x 30 x 36-8n	60	910	300	670	840	980	270	865	14	915	33	36

Displacements, Torques, Pressures, Speed Ranges and Weights										
Type / Size		Planetary Torque Multiplier Ratio	Resultant Displacement Liter / Rev.	Torque Ratings (2)		Max Pressure (Bar)	Speed Range (RPM)	Max Speed (RPM)	(5) Weight (Kg)	(4) Gear Oil Quantity (Liters)
HMD	PSD			Nm/Bar	(3) Nominal (Nm)					
410-01305	10	5.4375	7.1	115	31000	350	0-29	37	900	10
410-01740	11	5.4375	9.4	150	42000	350	0-28	35	1100	14
515-02975	12	5.2500	15.6	250	60000	350	0-29	36	1600	20
515-03860	13	5.2941	20.5	325	83000	350	0-28	36	1800	28
635-05795	14	5.2941	30.7	490	117000	350	0-24	33	2500	38
635-07480	16	5.2500	39.3	625	160000	350	0-23	29	2900	60
745-09865	18	5.2941	52.2	830	244000	350	0-19	24	3900	80
745-11795	19	5.6471	66.6	1060	295000	350	0-14	18	4200	98
910-17565	22	5.6471	99.2	1580	450000	350	0-11	13	5750	125
910-22230	24	5.6471	125.6	2000	592000	350	0-9	12	7000	155

- (1) Theoretical Values
- (2) Planetary rating Service Factor 1.0
- (3) The gear oil quantity listed is a guide value only. The exact quantity depends on the oil sight glass.
- (4) Gear oil quantity is listed is a guide value only. The exact quantity depends on the sight glass.
- (5) Without oil and pinion. With dimensions L5 = 1000 mm.