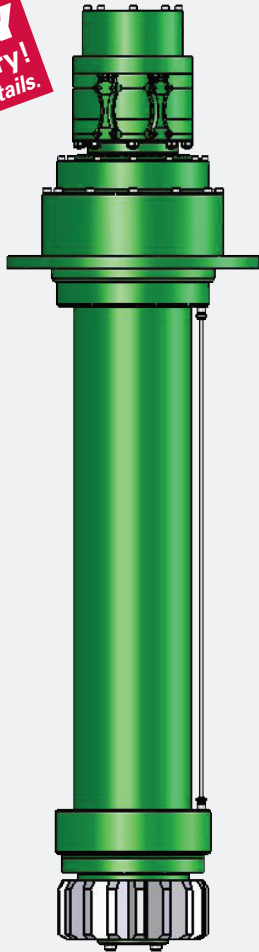


TITAN™ PSD Series

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 650,000 Nm Intermittently; 460,000 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



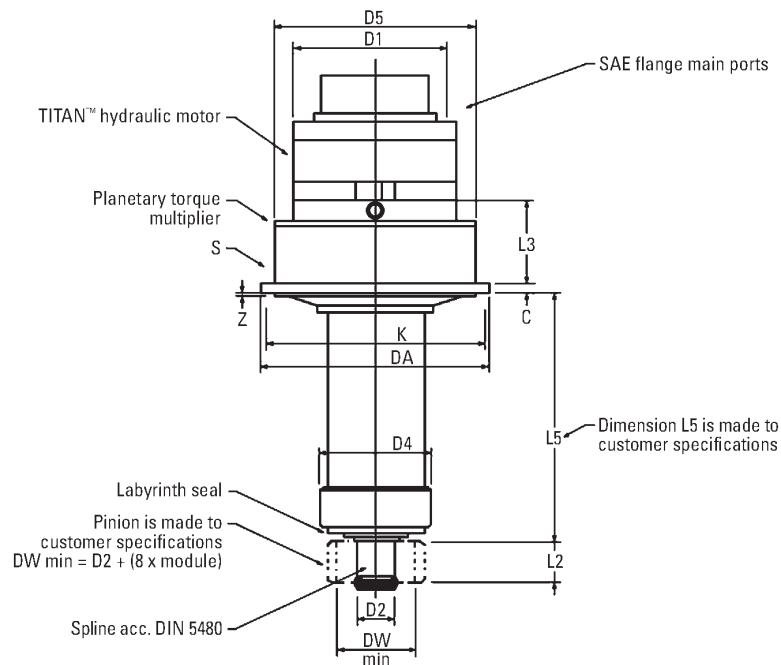
IHD, Inc.

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 h6	D4 h6	D5	DA	L2	L3	Z	K	Flange Screws	
													S	Qty.
410-01305	112	150 x 5 x 30 x 28 -8f	30	410	150	340	425	510	110	228	7	470	22	28
410-01740	125	160 x 5 x 30 x 30 -8f	32	410	160	420	485	590	130	238	7	540	26	20
515-02975	140	180 x 5 x 30 x 34 -8f	34	515	180	450	525	630	130	287	9	580	26	20
515-03860	150	190 x 8 x 30 x 22 -8f	39	515	190	480	595	700	160	275	9	650	26	24
635-05795	170	200 x 8 x 30 x 24 -8f	42	635	200	530	655	760	200	335	9	710	26	30
635-07480	200	240 x 8 x 30 x 28 -8f	44	635	240	610	765	900	220	392	11	840	33	24
745-09865	224	260 x 8 x 30 x 31 -8f	50	745	260	630	835	970	230	433	11	910	33	30
745-11795	250	280 x 8 x 30 x 34 -8f	50	745	280	670	925	1060	250	484	11	1000	33	32
910-17565	265	300 x 8 x 30 x 36 -8f	56	910	300	670	1000	1160	280	520	16	1090	39	28
910-22230	280	320 x 8 x 30 x 38 -8f	60	910	320	700	1020	1250	300	550	16	1180	39	32

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	112	5,438	7,13	115	31000	350	0-29	37	900	10
410-01740	125	5,785	10,1	150	42000	350	0-26	32	1100	14
515-02975	140	5,625	16,7	250	60000	350	0-26	32	1600	20
515-03860	150	5,438	21,0	325	83000	350	0-26	32	1800	28
635-05795	170	5,250	30,4	490	117000	350	0-26	32	2500	38
635-07480	200	5,438	40,7	625	160000	350	0-22	28	2900	60
745-09865	224	5,438	53,6	830	244000	350	0-17	21	3900	80
745-11795	250	5,571	65,7	1060	295000	350	0-14	18	4200	98
910-17565	265	5,600	98,4	1580	450000	350	0-11	13	5750	125
910-22230	280	5,571	117	2000	592000	350	0-9	11	7000	155

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