

Rexnord® Gear Group



Accessories



Rexnord® Planetgear™ Shaft Mount Planetary (SMP)

Rexnord's new hollow shaft mounting option

Now you have a choice. The Rexnord® Shaft Mounted Planetgear™ (SMP) Reducer Series is the perfect alternative to traditional helical shaft mounted reducers.

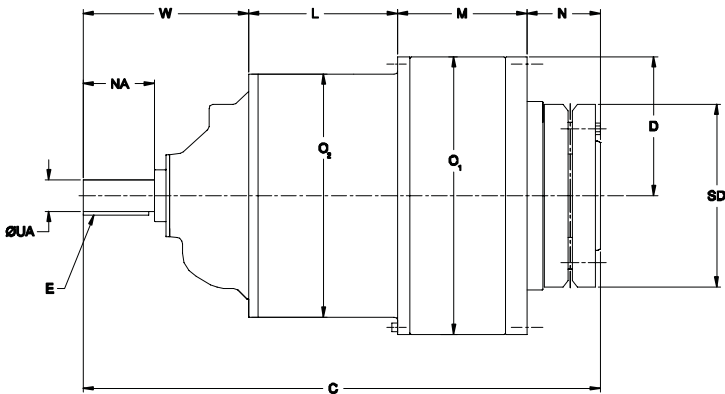
The new SMP Series incorporates all the standard Planetgear features you've come to expect for your heavy-duty applications. The self-aligning gear train in contact per reduction

to equally share the load, and is directly mounted on the driven shaft, eliminating the need for a low speed coupling, chain drive or reducer mounting base.

Our new Hercules reducer expands our offering to applications requiring output torque up to 2.9 million lb-in.

For more information, call 866-REXNORD or visit www.rexnord.com.

Features & Benefits



REDUCER SIZE	OUTPUT TORQUE (lb-in)	HOLLOW SHAFT BORE	C	W	L	M	O ₂	O ₁
ORION	280,000	5.44	33.36	11.45	8.70	8.63	14.37	18.38
TITAN	480,000	6.44	40.49	13.16	11.86	10.30	19.37	22.13
JUPITER	830,000	7.87	47.29	13.16	12.36	13.94	20.40	24.00
HERCULES	2,900,000	11.61	65.75	14.25	20.20	18.96	31.25	35.50

REDUCER SIZE	D	SD	N	INPUT SHAFT DETAIL			WEIGHT
				UA	NA	E KEY	
ORION	9.19	11.81	4.65	2.125	4.50	1/2 SQ X 4 LG	950
TITAN	11.06	14.57	5.67	2.500	5.68	5/8 SQ X 5-1/8 LG	1825
JUPITER	12.00	16.93	7.26	2.500	5.68	5/8 SQ X 5-1/8 LG	2600
HERCULES	17.75	25.39	10.34	3.000	6.50	3/4 SQ X 5-7/8 LG	6850

Dimensions are in inches



Titan with 36:56:1 ration driven by 100 HP motor on a Rexnord High Load Elevator.

- **Wide Ratio Range** to meet application requirements from 20.41:1 up to 1785:1
- **Compact Power Dense** package is lighter weight and smaller than traditional reducers allowing the SMP to fit into space constrained applications
- **Taconite duty seal** provide optimal performance and long seal life
- **Modular design with interchangeable components** allows for fast ratio changes and makes it easy-to-spare multiple sizes and ratios
- **Custom Solutions** are available to meet exact application requirements. Possible modifications include torque arm, c-face input, and hollow output shaft bore sizes
- **Alternative to Traditional Shaft Mounts.** Available in 5-7/16" and 6-7/16" hollow bore
- **Internal backstop is easily field installed.** Pawl design is compatible with extreme pressure and synthetic oil.
- **Hydro Advantage**, an innovative hydraulic removal system, is integral to the low speed shaft and applies a separating force between the end of the driven shaft and reducer. The optimal force simplifies reducer removal.

Rexnord is a registered trademark and Planetgear is a trademark of Rexnord Industries, LLC.

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