



TAS Series Power Steering Gears

Commercial Vehicle Steering

This product is engineered for superior torque output and performance for both on and off-highway vehicles with medium and heavy front axle loads. The TAS gear operates with fewer moving parts and maintains responsive handling and positive steering control.

FEATURES

- Improved rotary valve design
- Automatic poppets
- Increased pressure torque ratings
- Optional automatic bleed systems



SPECIFICATIONS

	TAS37	TAS40	TAS55	TAS65	TAS66	TAS85
Front Axle Weight	8,000 lbs 3,500 kg	9,000 lbs 4,000 kg	12,000 lbs 5,500 kg	14,300 lbs 6,500 kg	14,600 lbs 6,600 kg	18,000 lbs 8,200 kg
Pressure Rating	1,958 psi 135 bar	2,175 psi 150 bar	2,175 psi 150 bar	2,175 psi 150 bar	2,364 psi 163 bar	2,175 psi 150 bar
Output Torque at Rated Pressure 90% Efficiency	25,925 in/lbs 2,930 N-m	28,450 in/lbs 3,214 N-m	35,300 in/lbs 3,988 N-m	43,050 in/lbs 4,864 N-m	46,737 in/lbs 5,280 N-m	58,850 in/lbs 6,649 N-m
Gear Travel	100°	95°	95°	95°	95°	95°
Gear Ratio(s)	17.8:1	20.4:1, 18.4:1	20.4:1, 18.4:1	20.4:1, 18.4:1	20.4:1, 18.4:1	23.3:1, 21:1
Output Shaft Diameter	1.75 in 44.5 mm	1.75 in 44.5 mm	2.00 in 50.8 mm	2.00 in 50.8 mm	2.00 in 50.8 mm	2.25 in 57.15 mm
Output Shaft Serrations	1.75 x 46 Straight	1.75 x 46 Straight	1.937 x 52 Straight	1.937 x 52 Straight	1.937 x 52 Straight	2.25 x 59 Straight
Input Shaft Serrations	.812 x 36 Straight	.812 x 36 Straight	.812 x 36 Straight	.812 x 36 Straight	.812 x 36 Straight	.812 x 36 Straight
Maximum Operating Temperature	250°F 121°C	250°F 121°C	250°F 121°C	250°F 121°C	250°F 121°C	250°F 121°C
Minimum Pump Flow for 1.5 hwt/sec	2.5 gpm 9.5 lpm	2.2 gpm 8.3 lpm	2.7 gpm 10.2 lpm	3.0 gpm 11.3 lpm	3.0 gpm 11.3 lpm	3.6 gpm 13.6 lpm
Recommended Pump Flow Control Range	3.6-5.0 gpm 13.6-18.9 lpm	3.6-6.0 gpm 13.6-18.9 lpm	3.6-6.0 gpm 13.6-18.9 lpm	3.6-6.0 gpm 13.6-18.9 lpm	3.6-6.0 gpm 13.6-18.9 lpm	4.2-8.0 gpm 16-30 lpm
Approximate Dry Weight	55.4 lbs 25.1 kg	60 lbs 27 kg	73 lbs 33 kg	78 lbs 35 kg	78 lbs 35 kg	98 lbs 44 kg

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