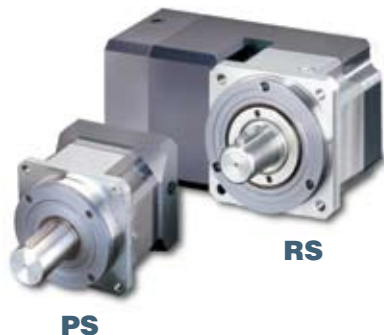


Planetary Gearheads



Stealth Advanced Series Precision Gearheads

www.parker.com/em/pgearheads



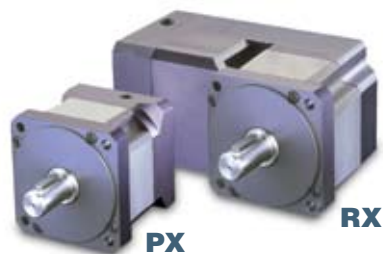
Stealth Advanced PS (in-line) and RS (right-angle) gearheads, with patented helical planetary technology, are Parker's highest-performance servo gearheads. A patented HeliCrown helical gear tooth design offers greater tooth contact and face width and produces higher load capacity, smoother tooth engagement, lower backlash, and quieter operation. An advanced internal lubrication system extends seal and gearhead life to deliver the best engineered value for high-performance servo applications.

- Strongest – 30% more torque than typical planetaries
- Quietest – less than 68 db noise (PS), 70 db (RS)
- Fastest – up to 6,000 rpm input speeds
- Accurate – less than 3 arc minutes backlash (PS)
- Highest efficiency – over 97% efficiency (PS), 94% (RS)
- Up to eight frame sizes and 12 gear ratios to choose from

Frame Size	Backlash (arc min)				Torque (Nm)								Continuous Max Input Speed (rpm)		Noise (dB)		Efficiency (%)			
	Inline (PS)		Rt angle (RS)		Inline (PS)				Rt Angle (RS)				Inline	Rt angle	Inline	Rt angle	Inline		Rt angle	
	≤10:1	>10:1	≤10:1	>10:1	3-10	15-50	70-100	5	10	15-25	30-100	Inline	Rt angle	Inline	Rt angle	≤10:1	>10:1	≤10:1	>10:1	
60	6	8	14	12	25	34	28	11	21	33	28	6,000	6,000	68	70	97	94	70	70	
90	6	8	12	10	74	107	90	28	55	85	85	5,300	5,300	68	70	97	94	94	94	
115	4	6	12	10	170	226	203	75	147	215	192	4,500	4,500	68	70	97	94	94	94	
142	4	6	10	8	294	396	339	141	271	395	316	3,800	3,800	70	-	97	94	94	94	
180	4	6	10	8	735	1,017	893	316	621	938	836	3,000	3,000	-	-	97	94	94	94	
220	4	6	10	8	1,413	1,808	1,582	678	1,299	1,808	1,469	2,300	2,300	-	-	97	94	94	94	
300	4	6	10	8	3,616	4,520	4,181	2,203	2,712	4,181	4,181	1,900	1,900	-	-	97	94	94	94	

Stealth Series Economy Gearheads

www.parker.com/em/pgearheads



Stealth® PX (in-line) and RX (right-angle) deliver high torque and quiet, smooth operation for less demanding, cost-sensitive servo applications. Stealth® PX and RX models incorporate Parker's helical planetary technology into a lower-cost package to provide an exceptional value for high performance.

- Strong – more torque than standard planetaries
- Accurate – less than 15 arc minutes (10 arc minute option)
- Quiet operation – less than 70 db
- High input speeds – up to 6,000 rpm
- High efficiency – over 90% efficiency.

Frame Size	Backlash (arc min)				Torque (Nm)								Continuous Max Input Speed (rpm)		Noise (dB)		Efficiency (%)			
	Inline (PX)		Rt angle (RX)		Inline (PX)				Rt Angle (RX)				Inline	Rt angle	Inline	Rt angle	Inline		Rt angle	
	≤10:1	>10:1	≤10:1	>10:1	3-5	7-15	15-25	70-100	5	10	15-25	30-100	Inline	Rt angle	In-line	Rt angle	≤10:1	>10:1	≤10:1	>10:1
60	10	12	20	20	18	22	28	23	7	13	20	17	6,000	6,000	70	70	96	93	94	94
90	9	11	18	18	45	57	74	57	17	33	51	51	5,300	5,300	70	70	96	93	94	94
115	8	10	18	16	124	147	171	158	45	88	129	115	4,500	4,500	70	70	96	93	94	94
142	8	10	n/a	n/a	226	231	278	261	n/a	n/a	n/a	n/a	3,800	n/a	70	n/a	96	93	n/a	n/a

