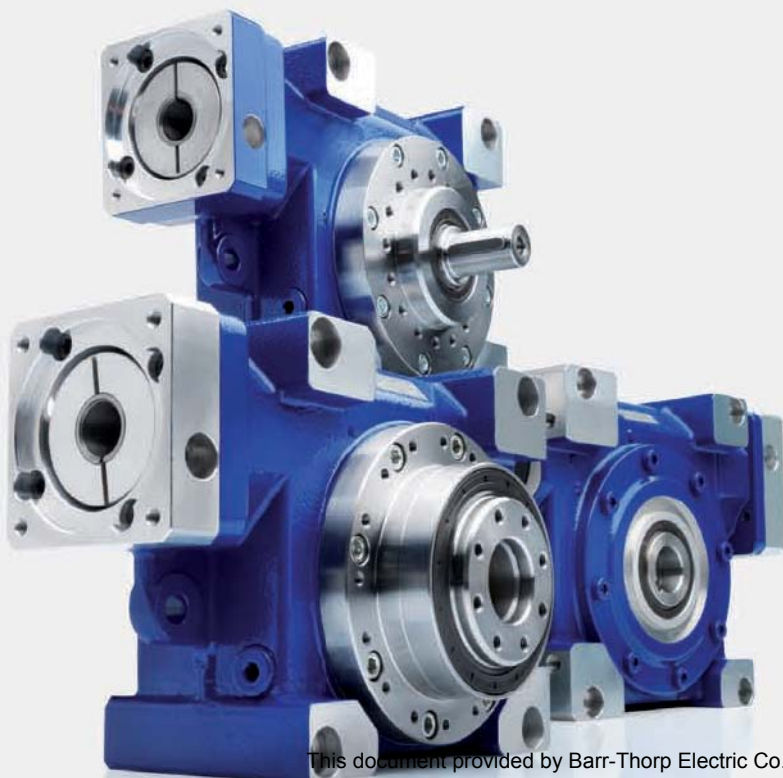


Products 2011/12








Low backlash planetary gearheads

Servo right-angle gearheads

Mechanical systems



Gearhead selection overview

		Low backlash planetary gearheads						
								
Products		alpheno®	TP+ TP+ HIGH TORQUE®	SP+ SP+ HIGH SPEED®	LP+ LPB+	alphira®		
Catalog page		24	28	66	114	132		
Ratio	min. i =	4	22	3	3	3	3	4
	max. i =	100	220	100	100	100	10	100
Output type								
Smooth output shaft				•	•	•		
Grooved output shaft				•	•	•		•
Output shaft with involute toothing				•	•			
Shaft mounted <small>Mounted via shrink disc</small>				•	•			
Output flange		•	•				•	
Torsional backlash								
≤ 1 arcmin		•	•	•				
≤ 2 arcmin		•		•	•			
≤ 4 arcmin		•	•	•	•			
≤ 6 arcmin				•	•			
≤ 10 arcmin					•	•	•	
≤ 15 arcmin						•	•	
≤ 20 arcmin								•
≤ 25 arcmin								•
Drive type								
Motor attachment version		•	•	•	•	•	•	•
Drive shaft		•		•				
Optional								
With belt pulley							•	
With pinion and rack		•	•	•	•	•		•
With coupling		•		•	•	•		•
Washdown <small>Please contact WITTENSTEIN alpha</small>		•	•	•	•			
Food-grade grease <small>Please contact WITTENSTEIN alpha</small>		•	•	•	•	•	•	•

Your individual solution – Please contact us



		Servo right-angle gearheads										
Products		TK ⁺	TPK ⁺	SK ⁺	SPK ⁺	HG ⁺	LK ⁺	LPK ⁺	LPBK ⁺	VDT ⁺	VDH ⁺ VDHe	VDS ⁺ VDS _e
Catalog page		146		182		230	242			270		
Ratio	min. i =	3	12	3	12	3	1	3	3	4	4	4
	max. i =	100	10000	100	10000	100	1	100	10	40	40	40
Output type												
Smooth output shaft				•	•			•				•
Smooth output shaft, backside		•	•	•	•	•						
Grooved output shaft				•	•		•	•				•
Grooved output shaft, backside		•	•	•	•	•						
Output shaft with involute toothing				•	•							•
Output flange			•						•	•		
Hollow shaft interface, Mounted via shrink disc						•				•	•	
Hollow shaft interface, backside, Mounted via shrink disc		•	•	•	•	•					•	
Hollow shaft flange		•								•		
Shaft mounted Mounted via shrink disc					•							
Closed cover, backside		•	•	•	•	•						
Torsional backlash												
≤ 2 arcmin			•		•							
≤ 4 arcmin		•	•	•	•	•				•	•	•
≤ 5 arcmin		•	•	•	•	•						
≤ 15 arcmin							•	•	•			
Drive type												
Motor attachment version		•	•	•	•	•	•	•	•	•	•	•
Optional												
With pinion and rack		•	•	•	•		•	•		•		•
With coupling		•	•	•	•		•	•		•		•
Shrink disc					•	•					•	
Washdown Please contact WITTENSTEIN alpha		•	•	•	•	•				•	•	•
Food-grade grease Please contact WITTENSTEIN alpha		•	•	•	•	•	•	•	•	•	•	•