

Produktübersicht APEX-Planetengeräbe



	Inline planetary High-End											Inline planetary Medium-End						
Product type	AB	AD	ADS	AE	AES	AF	AFX	AFH	AH	AP	APC	PAII	PEII	PGII	PSII	PD	PL	
High Torque	-	-	-	-	-	-	-	X	-	X	X	-	-	-	-	-	-	
High Speed	-	-	-	-	-	-	X	-	-	-	-	-	-	-	-	-	-	
Ratio	Min.	3	4	4	3	3	3	3	3	4	5,5	5,5	3	3	3	3	3	3
	Max.	100	100	91	100	100	100	100	100	100	220	220	100	100	1.000	100	100	100
Backlash [arcmin] ^a	Standard	≤ 5	≤ 5	≤ 5	≤ 8	≤ 8	≤ 5	≤ 5	≤ 2	≤ 1	≤ 1	≤ 1	≤ 6 - ≤ 8	≤ 6 - ≤ 8	≤ 6 - ≤ 8	≤ 6 - ≤ 8	≤ 6 - ≤ 8	≤ 6 - ≤ 7
	Reduced	≤ 3	≤ 3	≤ 3	-	-	≤ 3	≤ 3	-	-	-	-	-	-	-	-	-	-
	Micro	≤ 1	≤ 1 ^b	≤ 1	-	-	≤ 1	≤ 1	-	-	-	-	-	-	-	-	-	-
Helical, Straight, Spiral or Hypoid teeth	Helical	Helical	Helical	Helical	Helical	Helical	Helical	Helical	Helical	Helical	Helical	Straight	Straight	Straight	Straight	Straight	Straight	
Output options																		
Smooth shaft	X	-	-	-	-	X	X	X	-	-	-	X	-	-	-	-	-	
Shaft with key	X	-	-	X	X	X	X	X	-	-	-	X	X	X	X	-	-	
Shaft with spline (DIN 5480)	O	-	-	-	-	O	O	O	-	-	-	-	-	-	-	-	-	
Hollow shaft (blind)	-	-	-	-	-	-	-	O	-	-	-	-	-	-	-	-	-	
Hollow shaft with shrink disk (through)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hollow shaft with key (through)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Flange for belt pulley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	X	
Hollow shaft with flange (ISO 9409)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Curvic plate flange	-	-	-	-	-	-	-	-	-	-	X	-	-	-	-	-	-	
Robotflange (ISO 9409)	-	X	X	-	-	-	-	-	X	X	-	-	-	-	-	X	-	
Output on both sides	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Input options																		
Input for motor	X	X	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Input shaft	-	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Characteristics																		
ATEX	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	
Food-grade lubrication	O	O	O	O	X	O	O	O	O	O	O	O	O	O	O	O	O	
Stainless	House and shaft (flange)	X	X	X	X	X	X	X	-	-	-	-	-	-	-	-	-	
	Fully	O	O	-	O	X	O	O	-	-	-	-	-	-	-	-	-	
System solutions																		
Linear system (Rack / Pinion) ^c	O	O	O	O	O	O	O	O	O	O	X	O	O	O	O	O	-	
Accessories																		
Shrink disk	-	-	-	-	-	-	-	O	-	-	-	-	-	-	-	-	-	
Belt pulley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	O	
Price																		
Relative costs	++	++	++	+	+++	++	++	+++	+++	+++	+++	+	+	+	+	+	+	

^a Taken for 1-stage versions

^b Contact Apex Dynamics

^c Linear systems aren't possible on large sizes

^d The C version of this gearbox has a bevel gear as right angle stage

^e Also available in bevel gear version

^f Multiple stages have a straight toothed inline planetary stage

^g All three shafts can be used as input or output shafts

^h All four shafts can be used as input or output shafts

x standard
o Optional (additional costs)
- Not possible