

Produktübersicht APEX-Winkelgetriebe



		Right-angle planetary High-End						Right-angle Hypoid High-End						Right-angle planetary Medium-End					
Product type		ABR	ADR	AER	AERS	AFR	AFXR	AFHX	AHX	APX	APCX	XF	XH	PAIR	PEIR	PGIR	PSIR	PDR	PLR
High Torque		-	-	-	-	-	-	-	x	x	x	-	-	-	-	-	-	-	-
High Speed		-	-	-	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-
Ratio	Min.	3	4	3	3	3	3	4	4	22	22	1	3	3	3	3	3	3	3
	Max.	200	200	200	200	200	200	10.000	10.000	5500	5.500	100	100	100	100	1.000	100	100	100
Backlash [arcmin] ^a	Standard	≤ 6	≤ 6	≤ 10	≤ 10	≤ 6	≤ 6	≤ 2	≤ 2	≤ 1.2	≤ 1.2	≤ 3	≤ 3	≤ 10 - ≤ 12	≤ 10 - ≤ 12	≤ 10 - ≤ 12	≤ 10 - ≤ 12	≤ 10 - ≤ 12	≤ 10 - ≤ 11
	Reduced	≤ 4	≤ 4	-	-	≤ 4	≤ 4	-	-	-	-	-	-	-	-	-	-	-	-
	Micro	≤ 2	≤ 2	-	-	≤ 2	≤ 2	-	-	-	-	-	-	-	-	-	-	-	-
Helical, Straight, Spiral or Hypoid teeth		Helical	Helical	Helical	Helical	Helical	Helical	Hypoid ^d	Hypoid ^d	Hypoid	Hypoid	Hypoid ^e	Hypoid	Straight	Straight	Straight	Straight	Straight	Straight
Output options																			
Smooth shaft		x	-	-	-	x	x	x	-	-	-	x	-	x	-	-	-	-	-
Shaft with key		x	-	x	x	x	x	x	-	-	-	x	-	x	x	x	x	-	-
Shaft with spline (DIN 5480)		o	-	-	-	o	o	o	-	-	-	o	-	-	-	-	-	-	-
Hollow shaft (blind)		-	-	-	-	-	-	o	-	-	-	-	-	-	-	-	-	-	-
Hollow shaft with shrink disk (through)		-	-	-	-	-	-	-	-	-	-	x	-	-	-	-	-	-	-
Hollow shaft with key (through)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flange for belt pulley		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x
Hollow shaft with flange (ISO 9409)		-	-	-	-	-	-	-	-	-	-	-	x	-	-	-	-	-	-
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	x	x
Input shaft		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Characteristics																			
ATEX		o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Food-grade lubrication		o	o	o	x	o	o	o	o	o	o	o	o	o	o	o	o	o	o
Stainless	House and shaft (flange)	x	x	x	x	x	x	-	-	-	-	-	-	-	-	-	-	-	-
	Fully	-	-	-	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System solutions																			
Linear system (Rack / Pinion) ^c		o	o	o	o	o	o	o	o	o	x	o	o	o	o	o	o	o	-
Accessories																			
Shrink disk		-	-	-	-	-	-	o	-	-	-	o	-	-	-	-	-	-	-
Belt pulley		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	x
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