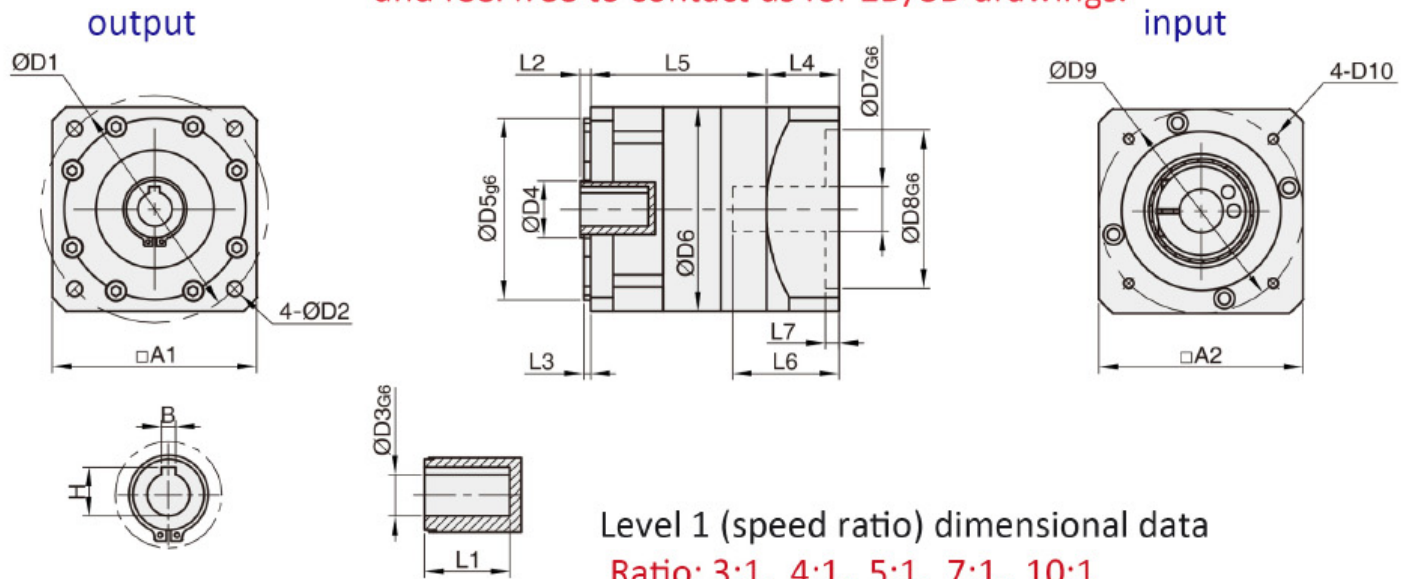


PFN60-160 Series Hollow Hole Output Planetary Gearbox Parameter

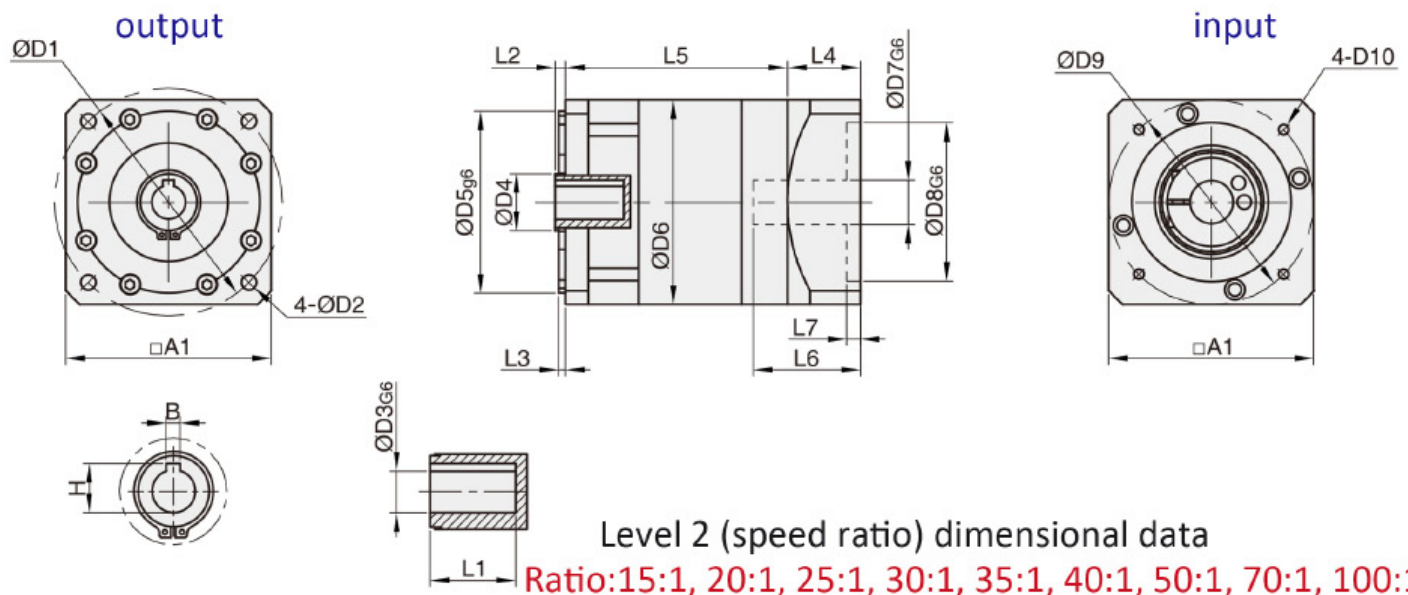
Planetary Reducer Technical Parameters Comparison								
Specifications	Unit	PFN60	PFN80	PFN90	PFN120	PFN160		
Technical Parameters								
Max. Torque	Nm	1.5 times rated torque						
Emergency Stop Torque	Nm	2.5 times rated torque						
Max. Radial Load	N	240	400	450	1240	2250		
Max. Axial Load	N	220	420	430	1000	1500		
Torsional Rigidity	Nm/arcmin	1.8	4.7	4.85	11	35		
Max.Input Speed	rpm	8000	6000	6000	6000	4000		
Rated Input Speed	rpm	4000	3500	3500	3500	3000		
Noise	dB	≤58	≤60	≤60	≤65	≤70		
Average Life Time	h	20000						
Efficiency Of Full Load	%	L1≥96%, L2≥94%						
Return Backlash P1 (L1)	arcmin	≤8						
Return Backlash P1 (L2)	arcmin	≤12						
Return Backlash P2 (L1)	arcmin	≤16						
Return Backlash P2 (L2)	arcmin	≤20						
Moment Of Inertia (Kg*cm²)								
Level	Ratio	PFN60	PFN80	PFN90	PFN120	PFN160		
L1	3	0.46	0.77	1.73	12.78	36.72		
	4	0.46	0.77	1.73	12.78	36.72		
	5	0.46	0.77	1.73	12.78	36.72		
	7	0.41	0.65	1.42	11.38	34.02		
	10	0.41	0.65	1.42	11.38	34.02		
L2	12	0.44	0.72	1.49	12.18	34.24		
	15	0.44	0.72	1.49	12.18	34.24		
	16	0.44	0.72	1.49	12.18	34.24		
	20	0.44	0.72	1.49	12.18	34.24		
	25	0.44	0.72	1.49	12.18	34.24		
	28	0.44	0.72	1.49	12.18	34.24		
	30	0.44	0.72	1.49	12.18	34.24		
	35	0.44	0.72	1.49	12.18	34.24		
	40	0.44	0.72	1.49	12.18	34.24		
	50	0.34	0.58	1.25	11.48	34.02		
	70	0.34	0.58	1.25	11.48	34.02		
	100	0.34	0.58	1.25	11.48	34.02		
	Rated Torque (Nm)							
	Level	Ratio	PFN60	PFN80	PFN90	PFN120	PFN160	
		3	27	50	96	161	364	
4	L1	40	90	122	210	423		
5		40	90	122	210	423		
7		34	48	95	170	358		
10		16	22	56	86	210		
		12	27	50	96	161	364	
L2		15	27	50	96	161	364	
		16	40	90	122	210	423	
		20	40	90	122	210	423	
		25	40	90	122	210	423	
		28	40	90	122	210	423	
		30	27	50	96	161	364	
		35	40	90	122	210	423	
		40	40	90	122	210	423	
		50	40	90	122	210	423	
		70	34	48	95	170	358	
		100	16	22	56	86	210	
	Other Parameters							
	Degree Of Protection		-	IP65				
	Operation Temperature		°C	-10°C to +90°C				
Weight (L1)	kg	0.95	2.27	3.06	6.93	15.5		
Weight (L2)	kg	1.2	2.8	3.86	8.98	17		

Straight Gear Hole Output Square Planetary Reducer

For specific dimensions, please check the data of the corresponding models in the table and feel free to contact us for 2D/3D drawings.



Data model	PFN-L1																				
	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A1	A2	B	H
PFN60-L1	70	5.5	10	17	50	60	14	50	70	M4	20	5	3	21	56	32	4	60	60	3	11.4
PFN80-L1	90	6.5	15	25	60	80	19	70	90	M5	30	4.5	3	38	60.5	42	5	80	80	5	17.3
PFN90-L1	100	6.5	15	25	80	90	19	70	90	M5	30	4.5	3	32	77.5	47	6	90	90	5	17.3
PFN120-L1	130	8.5	20	35	110	120	22	110	145	M8	38	5.5	4	50	96.5	57.5	10	120	120	6	22.8
PFN160-L1	185	11	35	55	130	165	35	114.3	200	M12	61	7	5	62	132	86	10	165	176	10	38.3



Data		PFN-L2																				
model		D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	L1	L2	L3	L4	L5	L6	L7	A1	A2	B	H
PFN60-L2		70	5.5	10	17	50	60	14	50	70	M4	20	5	3	21	73.5	32	4	60	60	3	11.4
PFN80-L2		90	6.5	15	25	60	80	19	70	90	M5	30	4.5	3	38	80.5	42	5	80	80	5	17.3
PFN90-L2		100	6.5	15	25	80	90	19	70	90	M5	30	4.5	3	32	97.5	47	6	90	90	5	17.3
PFN120-L2		130	8.5	20	35	110	120	22	110	145	M8	38	5.5	4	50	129	57.5	10	120	120	6	22.8
PFN160-L2		185	11	35	55	130	165	35	114.3	200	M12	61	7	5	62	173	86	10	165	176	10	38.3