

# Standard Precision Planetary Reducer For Servos and Steppers

PLE series reducer (PLE060 PLE090 PLE120 PLE160)

4 optional size		60mm , 90mm , 120mm , 160mm	
Rated output torque		8.5Nm~680.0Nm	
Ratio	1-stage	3、4、5、7、10	
	2-stage	12、16、20、25、28、35、40、50、70、100	
	3-stage	80、100、125、140、175、200、250、350、400、500、700、1000	
backlash	1-stage	Precision: <3 arc-min	Standard: <8 arc-min
	2-stage	Precision: <5 arc-min	Standard: <10 arc-min
	3-stage	Precision: <8 arc-min	Standard: <12 arc-min

PLF series reducer (PLF060 PLF090 PLF120 PLF160)

4 optional size		60mm , 90mm , 120mm , 160mm	
Rated output torque		8.5Nm~680.0Nm	
Ratio	1-stage	3, 4, 5, 7, 10	
	2-stage	12, 16, 20, 25, 28, 35, 40, 50, 70, 100	
	3-stage	80, 100, 125, 140, 175, 200, 250, 350, 400, 500, 700, 1000	
backlash	1-stage	Precision: <3 arc-min	Standard: <8 arc-min
	2-stage	Precision: <5 arc-min	Standard: <10 arc-min
	3-stage	Precision: <8 arc-min	Standard: <12 arc-min

PLS series reducer (PLS060 PLS090 PLS120 PLS160)

4 optional size		60mm、90mm、120mm、160mm	
Rated output torque		8.5Nm~680.0Nm	
Ratio	1-stage	3、4、5、7、10	
	2-stage	12、16、20、25、28、35、40、50、70、100	
	3-stage	80、100、125、140、175、200、250、350、400、500、700、1000	
backlash	1-stage	Precision: <3 arc-min	Standard: <8 arc-min
	2-stage	Precision: <5 arc-min	Standard: <10 arc-min
	3-stage	Precision: <8 arc-min	Standard: <12 arc-min


PLH series reducer (PLH064 PLH090 PLH120 PLH160)

4 optional size		64mm、90mm、120mm、160mm	
Rated output torque		8.5Nm~680.0Nm	
Ratio	1-stage	3、4、5、7、10	
	2-stage	12、16、20、25、28、35、40、50、70、100	
	3-stage	80、100、125、140、175、200、250、350、400、500、700、1000	
backlash	1-stage	Precision: <3 arc-min	Standard: <8 arc-min
	2-stage	Precision: <5 arc-min	Standard: <10 arc-min
	3-stage	Precision: <8 arc-min	Standard: <12 arc-min

ZPLE series reducer (ZPLE060 ZPLE090 ZPLE120 ZPLE160)

4 optional size		60mm , 90mm , 120mm , 160mm	
Rated output torque		8.5Nm~680.0Nm	
Ratio	1-stage	3, 4, 5, 7, 10	
	2-stage	12, 16, 20, 25, 28, 35, 40, 50, 70, 100	
	3-stage	80, 100, 125, 140, 175, 200, 250, 350, 400, 500, 700, 1000	
backlash	1-stage	Precision: <3 arc/min	Standard: <8 arc/min
	2-stage	Precision: <5 arc/min	Standard: <10 arc/min
	3-stage	Precision: <8 arc/min	Standard: <12 arc/min

ZPLF series reducer (ZPLF060 ZPLF090 ZPLF120 ZPLF160)



4 optional size		60mm , 90mm , 120mm , 160mm	
Rated output torque		8.5Nm~680.0Nm	
Ratio	1-stage	3, 4, 5, 7, 10	
	2-stage	12, 16, 20, 25, 28, 35, 40, 50, 70, 100	
	3-stage	80, 100, 125, 140, 175, 200, 250, 350, 400, 500, 700, 1000	
backlash	1-stage	Precision: <3 arc-min	Standard: <8 arc-min
	2-stage	Precision: <5 arc-min	Standard: <10 arc-min
	3-stage	Precision: <8 arc-min	Standard: <12 arc-min

AB series reducer (AB060 AB090 AB115 AB142 AB180 AB220 AB280 AB330 AB400)

		9 optional size	50mm , 90mm , 115mm , 142mm , 180mm , 220mm , 280mm , 330mm , 400mm			
		Rated output torque	18.5Nm~9800.0Nm			
Ratio	1-stage	3, 4, 5, 7, 10				
	2-stage	9, 15, 20, 25, 30, 35, 40, 50, 70, 1000				
	3-stage	64, 80, 100, 150, 200, 250, 350, 400, 500, 700, 1000				
backlash	1-stage	Precision:	<4 arc-min	Standard: <8 arc-min		
	2-stage	Precision:	<6 arc-min	Standard: <10 arc-min		
	3-stage	Precision:	<7 arc-min	Standard: <18 arc-min		

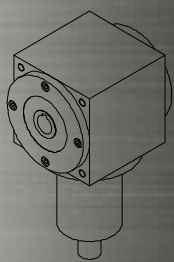
ABR series reducer (ABR060 ABR090 ABR115 ABR142 ABR180 ABR220 ABR280)

		7 optional size	60mm , 90mm , 115mm , 142mm , 180mm , 220mm , 280mm			
		Rated output torque	18.5Nm~5120.0Nm			
Ratio	1-stage	3, 4, 5, 7, 10				
	2-stage	9, 15, 20, 25, 30, 35, 40, 50, 70, 1000				
	3-stage	64, 80, 100, 150, 200, 250, 350, 400, 500, 700, 1000				
backlash	1-stage	Precision: <5 arc-min	Standard: <8 arc-min			
	2-stage	Precision: <7 arc-min	Standard: <10 arc-min			
	3-stage	Precision: <9 arc-min	Standard: <18 arc-min			

VS series reducer (VS09 VS11 VS14 VS17 VS21 VS24 VS28)

		7 optional size	90mm , 110mm , 140mm , 170mm , 210mm , 240mm , 280mm	
		The allowable input power	1.1KW~188KW	
		Ratio	1, 1.5, 2, 3, 4, 5	

VA series reducer (VA09 VA11 VA14 VA17 VA21 VA24 VA28)

		7 optional size	90mm , 110mm , 140mm , 170mm , 210mm , 240mm , 280mm	
		The allowable input power	1.1KW~188KW	
		Ratio	1, 1.5, 2, 3, 4, 5	