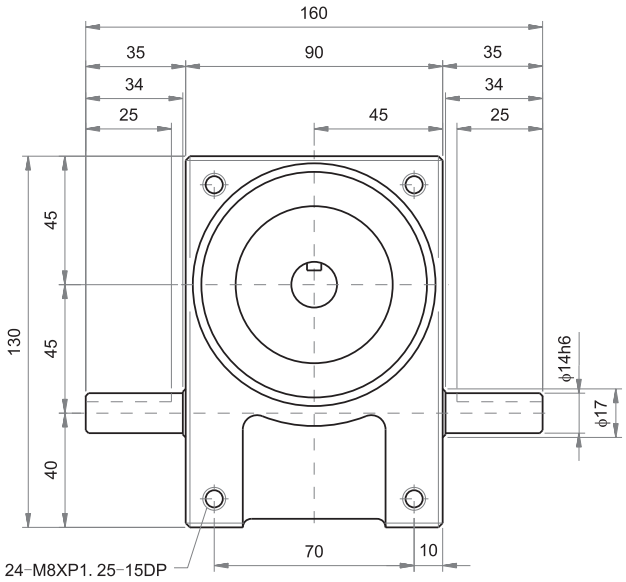
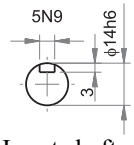
Flange Shaft Model

(45DE,60DE,70DE,80DE,110DE,
140DE,180DE)

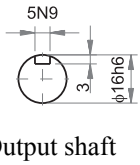


45DE

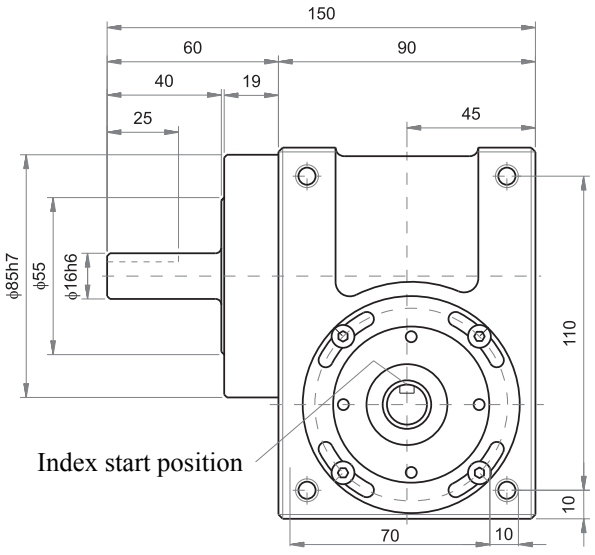




Input shaft



Output shaft



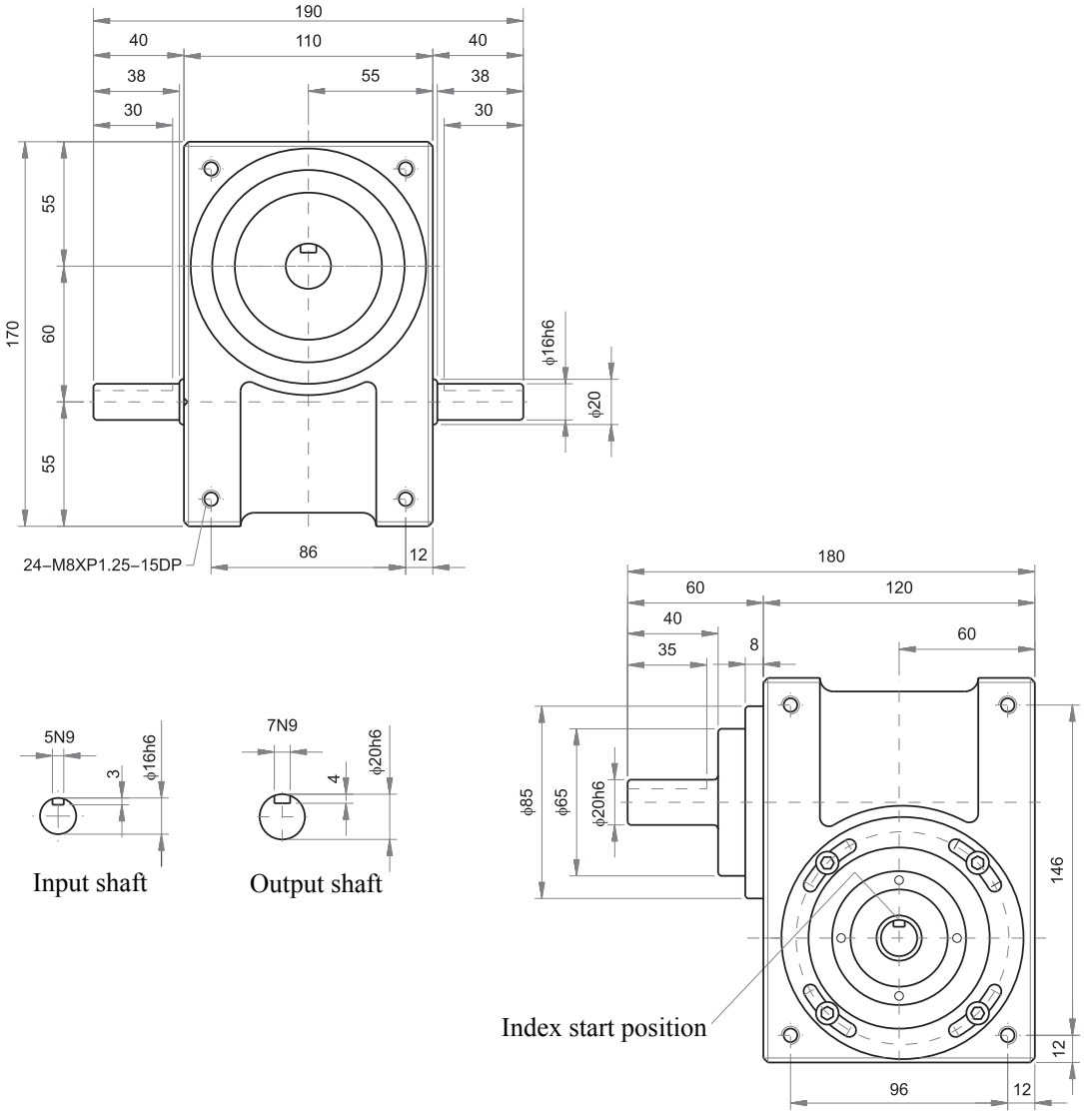
Technical Parameter

Items	Symbol	Unit	Value	Items	Symbol	Unit	Value	Items	Symbol	Unit	Value
Allowable thrust load on output shaft	C1	kgf	80	Allowable thrust load on input shaft	C3	kgf	85	GD2 of input shaft (Note1)	C6	kgf-m^2	3.2x10^{-4}
Allowable radial load on output shaft	C2	kgf	72.5	Max. repetitive bending force on input shaft	C4	kgf	75	Indexing accuracy		sec.	±30
Allowable torque on output shaft	Ts	kgf-m	Refer torque table	Max. repetitive torque on input shaft	C5	kgf-m	4	Weight		kg	6

Note1:GD2 of input shaft is a value in dwell range.
Note2: Value of C1 to C5 are those obtained for safety factor=2.

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60DE



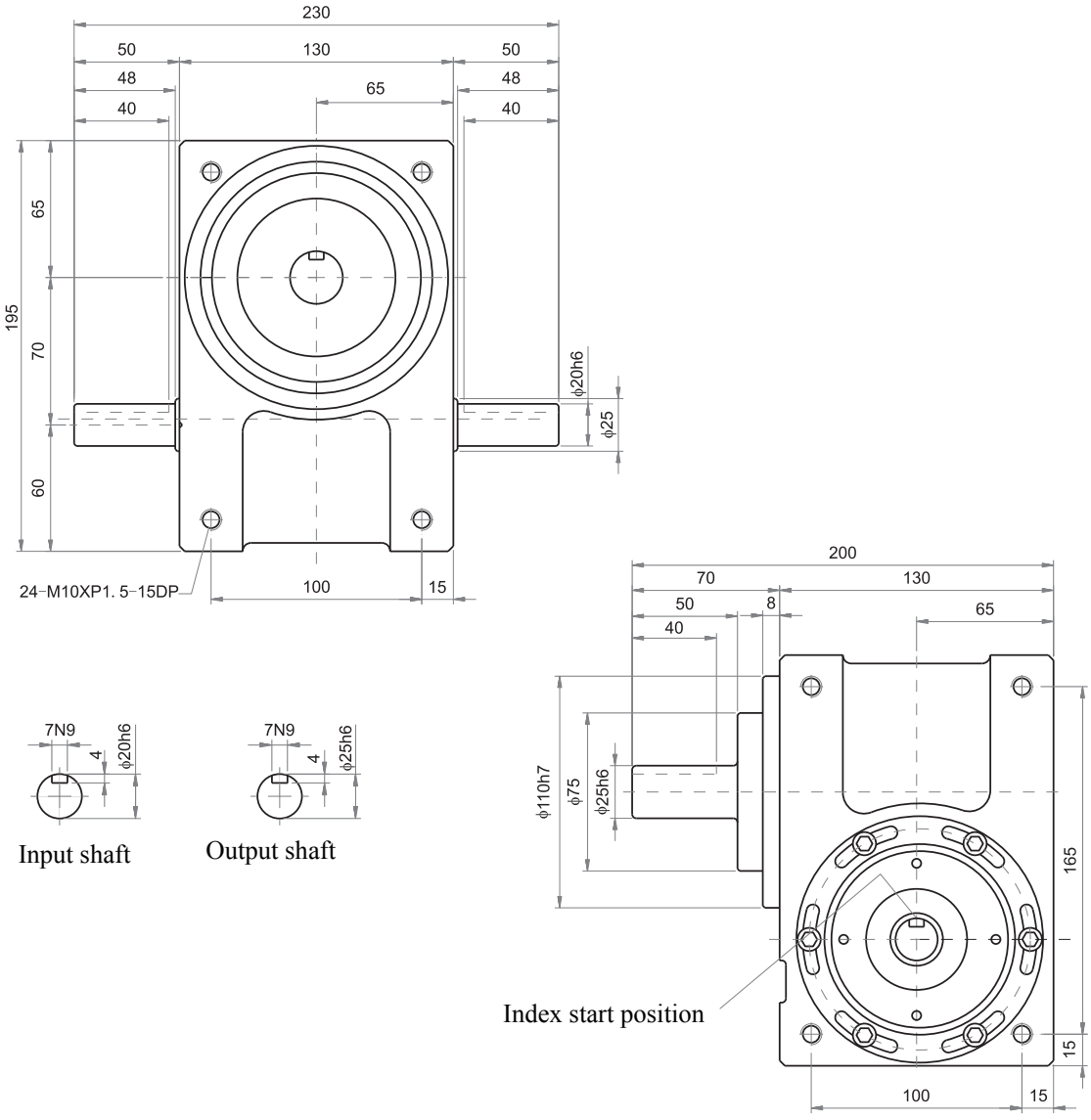
Technical Parameter

Items	Symbol	Unit	Value	Items	Symbol	Unit	Value	Items	Symbol	Unit	Value
Allowable thrust load on output shaft	C1	kgf	180	Allowable thrust load on input shaft	C3	kgf	100	GD2 of input shaft (Note1)	C6	$kgf-m^2$	$1.9x18^{-3}$
Allowable radial load on output shaft	C2	kgf	150	Max. repetitive bending force on input shaft	C4	kgf	95	Indexing accuracy		sec.	±30
Allowable torque on output shaft	Ts	kgf-m	Refer torque table	Max. repetitive torque on input shaft	C5	kgf-m	6	Weight		kg	10

Note1:GD2 of input shaft is a value in dwell range.
Note2: Value of C1 to C5 are those obtained for safety factor=2.

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70DE



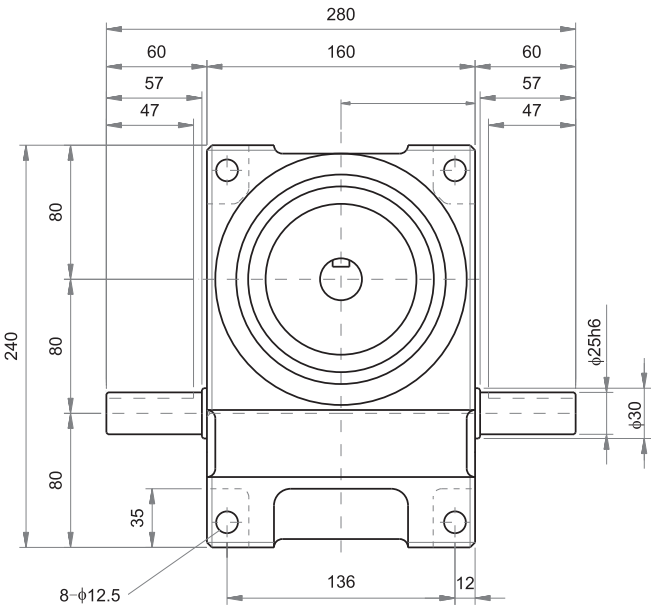
Technical Parameter

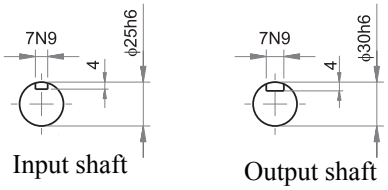
Items	Symbol	Unit	Value	Items	Symbol	Unit	Value	Items	Symbol	Unit	Value
Allowable thrust load on output shaft	C1	kgf	220	Allowable thrust load on input shaft	C3	kgf	150	GD2 of input shaft (Note1)	C6	$kgf-m^2$	$6x10^{-3}$
Allowable radial load on output shaft	C2	kgf	220	Max. repetitive bending force on input shaft	C4	kgf	110	Indexing accuracy		sec.	±30
Allowable torque on output shaft	Ts	kgf-m	Refer torque table	Max. repetitive torque on input shaft	C5	kgf-m	9.5	Weight		kg	16

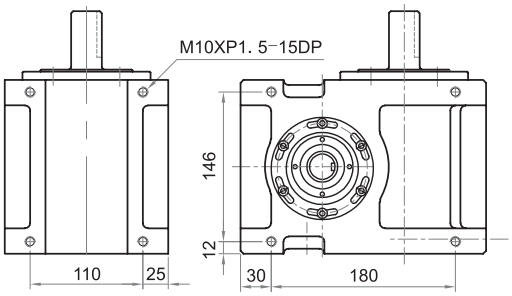
Note1:GD2 of input shaft is a value in dwell range.
Note2: Value of C1 to C5 are those obtained for safety factor=2.

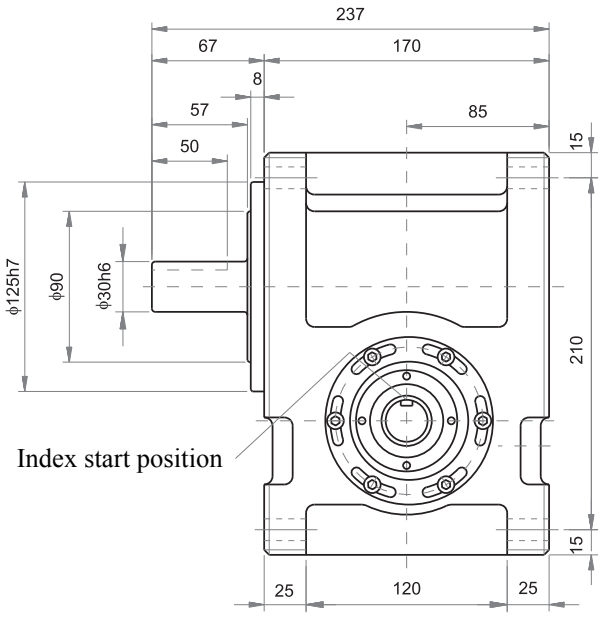
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80DE









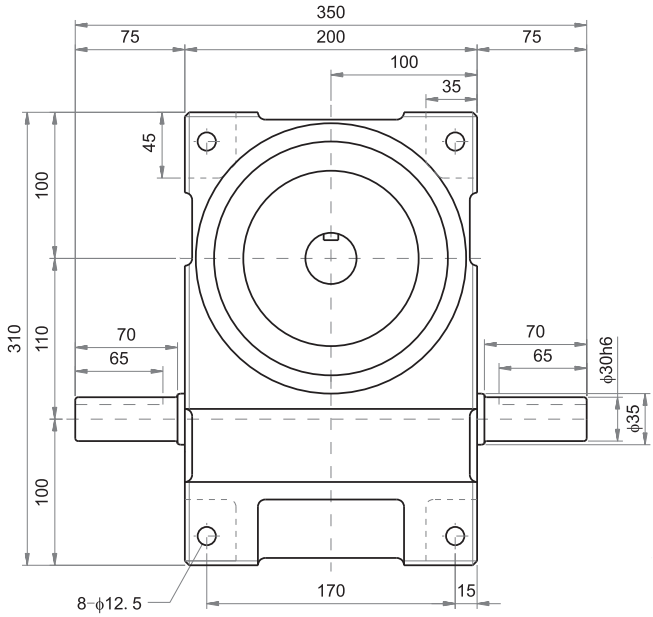
Technical Parameter

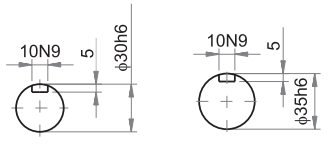
Items	Symbol	Unit	Value	Items	Symbol	Unit	Value	Items	Symbol	Unit	Value
Allowable thrust load on output shaft	C1	kgf	220	Allowable thrust load on input shaft	C3	kgf	210	GD2 of input shaft (Note1)	C6	$kgf-m^2$	$9x18^{-3}$
Allowable radial load on output shaft	C2	kgf	220	Max. repetitive bending force on input shaft	C4	kgf	190	Indexing accuracy		sec.	±30
Allowable torque on output shaft	Ts	kgf-m	Refer torque table	Max. repetitive torque on input shaft	C5	kgf-m	18.5	Weight		kg	29

Note1:GD2 of input shaft is a value in dwell range.
Note2: Value of C1 to C5 are those obtained for safety factor=2.

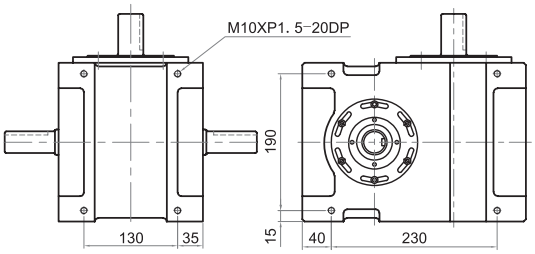
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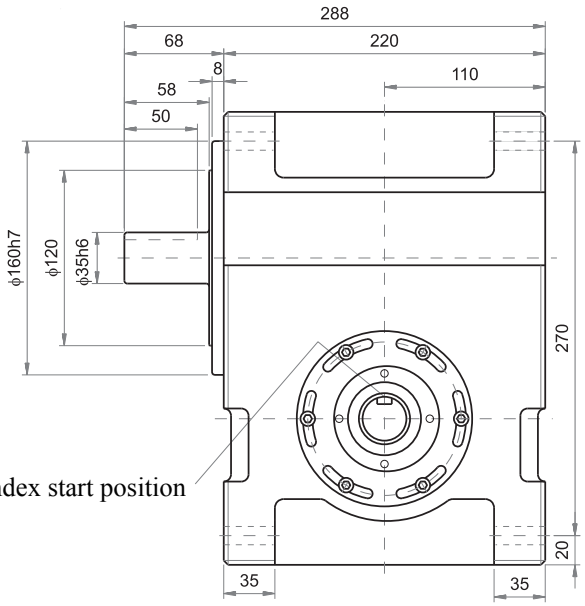
110DE





Input shaft Output shaft





Index start position

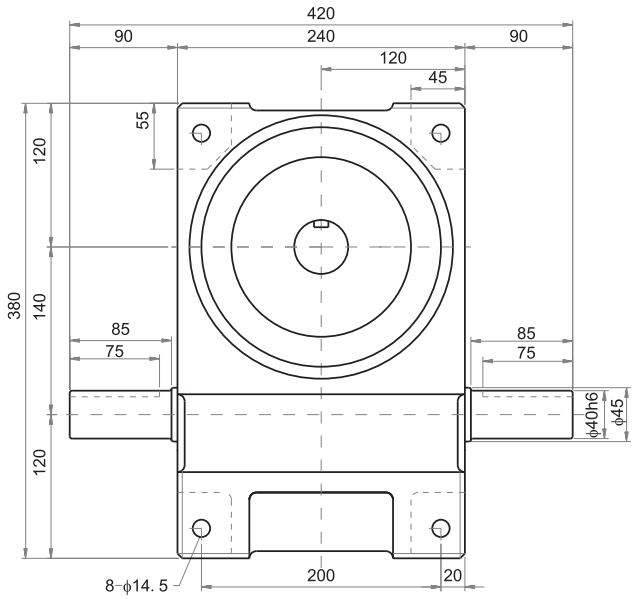
Technical Parameter

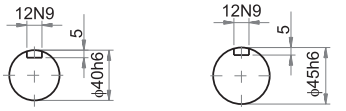
Items	Symbol	Unit	Value	Items	Symbol	Unit	Value	Items	Symbol	Unit	Value
Allowable thrust load on output shaft	C1	kgf	500	Allowable thrust load on input shaft	C3	kgf	360	GD2 of input shaft (Note1)	C6	$kgf-m^2$	$2.8x10^{-2}$
Allowable radial load on output shaft	C2	kgf	550	Max. repetitive bending force on input shaft	C4	kgf	290	Indexing accuracy		sec.	±30
Allowable torque on output shaft	Ts	kgf-m	Refer torque table	Max. repetitive torque on input shaft	C5	kgf-m	32	Weight		kg	51

Note1:GD2 of input shaft is a value in dwell range.
Note2: Value of C1 to C5 are those obtained for safety factor=2.

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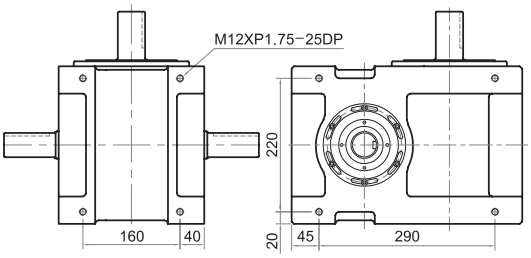
140DE

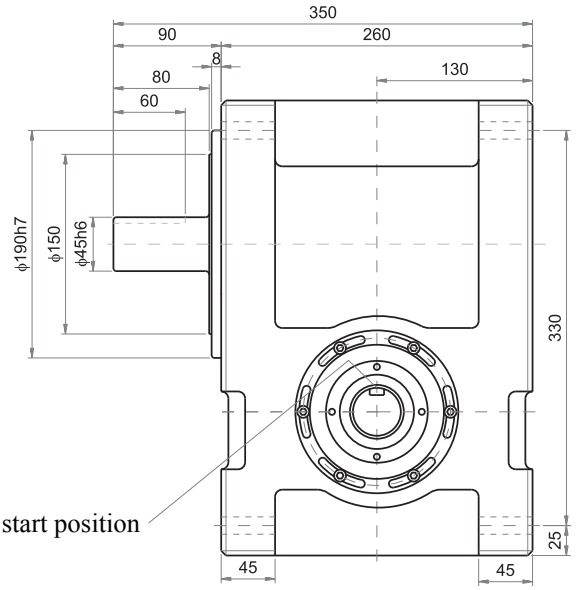




Input shaft

Output shaft





Index start position

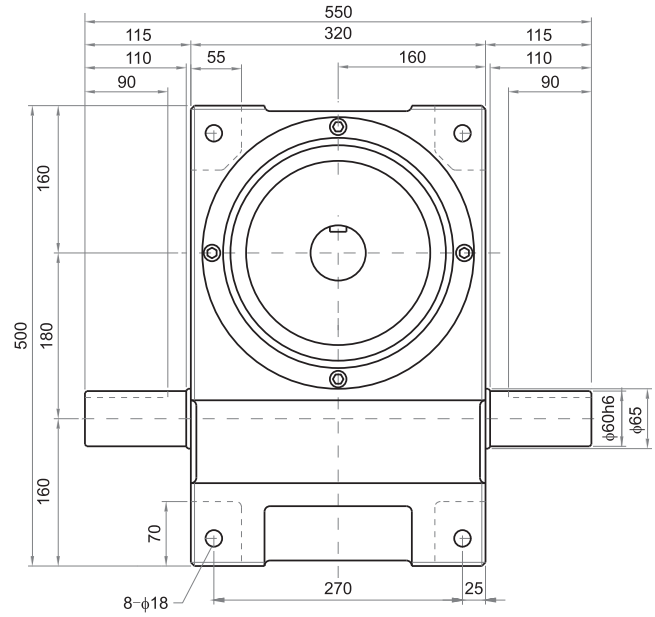
Technical Parameter

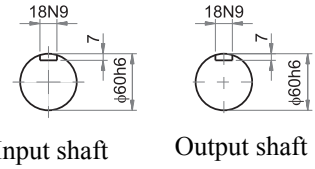
Items	Symbol	Unit	Value	Items	Symbol	Unit	Value	Items	Symbol	Unit	Value
Allowable thrust load on output shaft	C1	kgf	730	Allowable thrust load on input shaft	C3	kgf	440	GD2 of input shaft (Note1)	C6	kgf-m^2	0.01
Allowable radial load on output shaft	C2	kgf	860	Max. repetitive bending force on input shaft	C4	kgf	560	Indexing accuracy		sec.	±30
Allowable torque on output shaft	Ts	kgf-m	Refer torque table	Max. repetitive torque on input shaft	C5	kgf-m	75	Weight		kg	120

Note1:GD2 of input shaft is a value in dwell range.
Note2: Value of C1 to C5 are those obtained for safety factor=2.

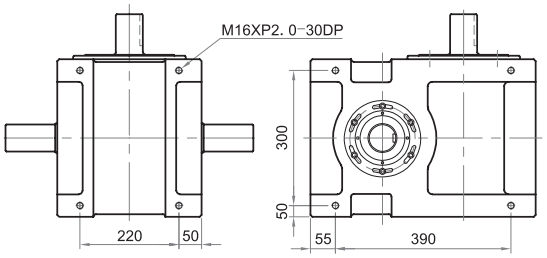
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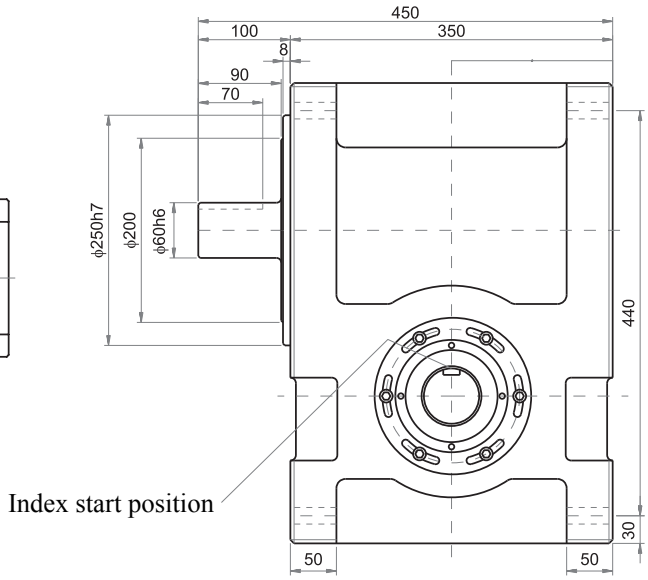
180DE





Input shaft Output shaft





Technical Parameter

Items	Symbol	Unit	Value	Items	Symbol	Unit	Value	Items	Symbol	Unit	Value
Allowable thrust load on output shaft	C1	kgf	1200	Allowable thrust load on input shaft	C3	kgf	590	GD2 of input shaft (Note1)	C6	kgf-m^2	0.39
Allowable radial load on output shaft	C2	kgf	1500	Max. repetitive bending force on input shaft	C4	kgf	1045	Indexing accuracy		sec.	±30
Allowable torque on output shaft	Ts	kgf-m	Refer torque table	Max. repetitive torque on input shaft	C5	kgf-m	147	Weight		kg	220

Note1:GD2 of input shaft is a value in dwell range.
Note2: Value of C1 to C5 are those obtained for safety factor=2.

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