

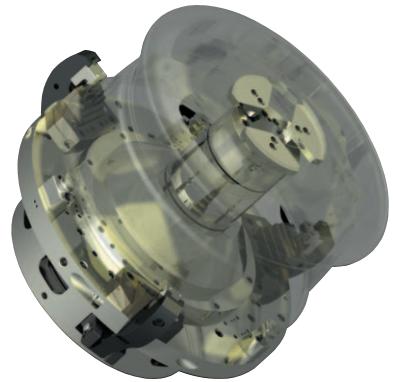
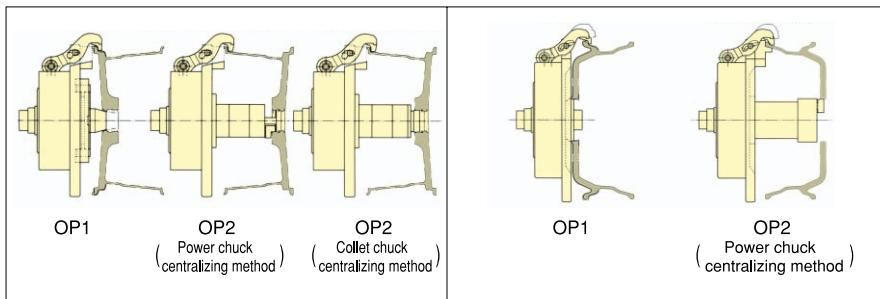
**CHUCK**

Finger Chuck for Automotive Wheels

FG-V series

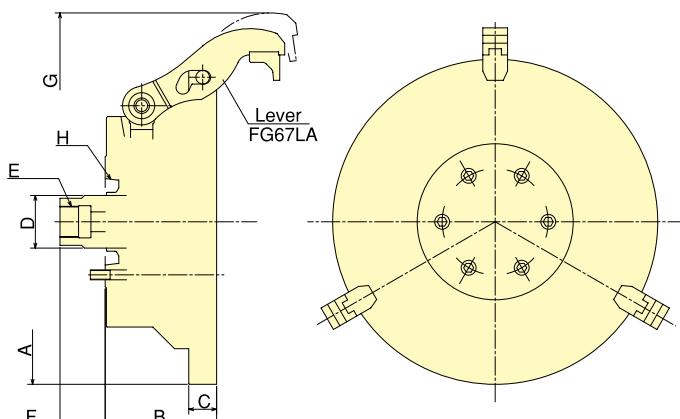
**High rigidity body adopted
Optimum Finger Chuck for aluminum wheel
machining for automobile**

Gripping Examples



Advanced Chuck

Dimensional Drawings



Dimensions

Model	Dimensions	A	B	C	D	E	F _{max.}	F _{min.}	G	H
FG50V		525	180	45	85	M50×P1.5	73	38	675	A2-8
FG56V		575	180	45	85	M50×P1.5	73	38	725	A2-11
FG62V		625	180	45	85	M50×P1.5	73	38	775	A2-11

Specifications

Model	Specs	Open jaw stroke/Clamping stroke mm	Gripping force/jaw kN(kgf)	Max. plunger thrust kN(kgf)	Max. speed min ⁻¹	Mass kg	Moment of Inertia kg·m ²	Matching cylinder
FG50V		18.5/16.5	9.5 (969)	30 (3059)	2500	135	3.75	YG-204
FG56V		18.5/16.5	9.5 (969)	30 (3059)	2500	190	5.80	YG-204
FG62V		18.5/16.5	9.5 (969)	30 (3059)	2500	220	8.80	YG-204

Measurement table for Wheel

Model	Wheel size	12"	13"	14"	15"	16"	17"	18"	19"	20"	21.5"	22.5"
FG50V			○	○	○	○	○	○				
FG56V			○	○	○	○	○	○	○	○		
FG62V					○	○	○	○	○	○	○	○



CHUCK

Finger Chuck for Automotive Wheels

FG-L series

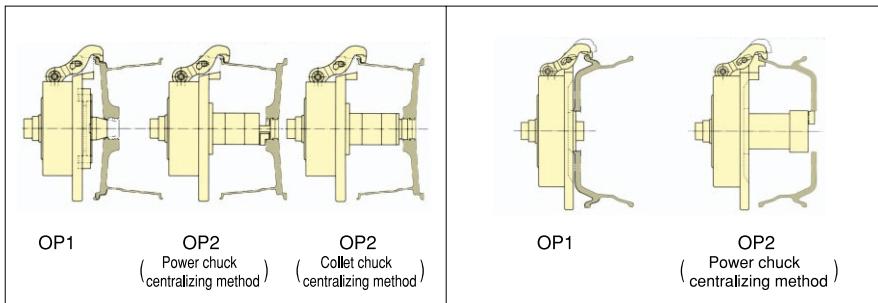
KITAGAWA standard type with light-weight body Optimum Finger Chuck for aluminum wheel machining for automobile



● High Speed

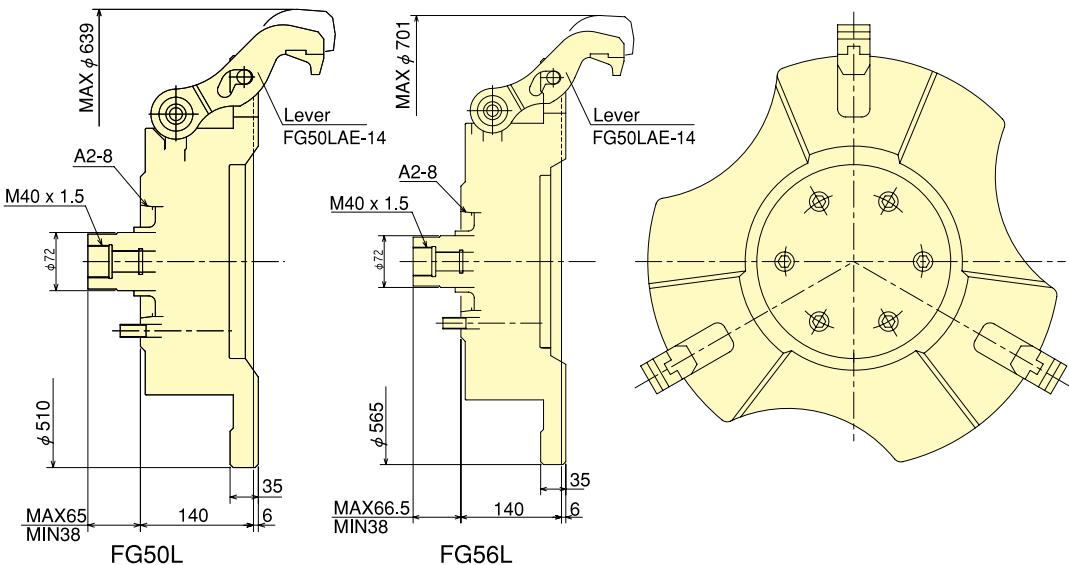
The new high technology design has resulted in a maximum speed of 3000 min⁻¹ for each wheel size (13"-18").

Gripping Examples



Advanced Chuck

■ Dimensional Drawings



■ Dimensions

Model	Specs	Open jaw stroke/Clamping stroke mm	Gripping force/jaw kN(kgf)	Max. plunger thrust kN(kgf)	Max. speed min ⁻¹	Mass kg	Moment of Inertia kg · m ²	Matching cylinder
FG50L		17/10	9.5 (969)	30.0 (3059)	3000	97	2.35	YG-204
FG56L		16.5/12	9.5 (969)	30.0 (3059)	2500	116	3.32	YG-204

■ Measurement Table for Wheel

Model	Wheel size	12"	13"	14"	15"	16"	17"	18"	19"	20"	21.5"	22.5"
FG50L		○	○	○	○	○	○	○				
FG56L		○	○	○	○	○	○	○	○			

**CHUCK**

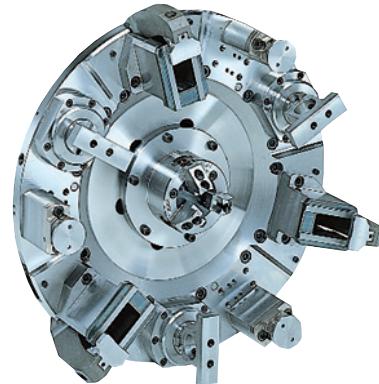
6-Jaw Finger Chuck for Motorcycle Wheels

FG-M series

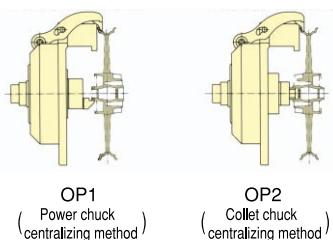
Optimum Finger Chuck for aluminum wheel machining for motorcycle

● High Stability

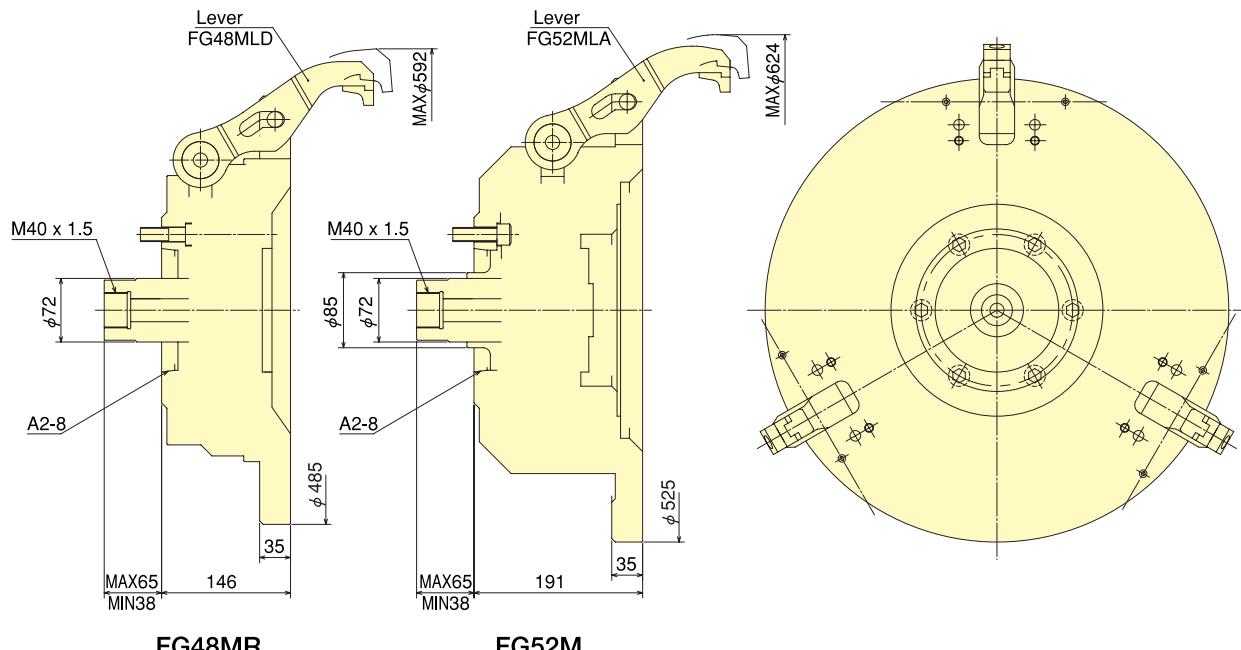
The floating mechanism ensures firm chucking.



Gripping Examples



■ Dimensional Drawings



FG48MR

FG52M

■ Dimensions

Model	Specs	Open jaw stroke/Clamping stroke mm	Gripping force/Jaw kN(kgf)	Max. plunger thrust kN(kgf)	Max. speed min⁻¹	Mass kg	Moment of Inertia kg · m²	Matching cylinder
FG48MR		14/13	3.5 (357)	12.0 (1224)	2500	91	1.78	YG-204
FG52M		13.5/13.5	6.5 (663)	21.0 (2141)	2500	130	3.65	YG-204

■ Measurement table for Wheel

Model	Wheel size	12"	13"	14"	15"	16"	17"	18"	19"	20"	21.5"	22.5"
FG48MR		○	○	○	○	○	○	○	○			
FG52M		○	○	○	○	○	○	○	○			

**CHUCK**

Easy Preparation Finger Chuck

FG-Q series

Quick setup for size changes Optimum Finger Chuck for aluminum wheel machining for automobile

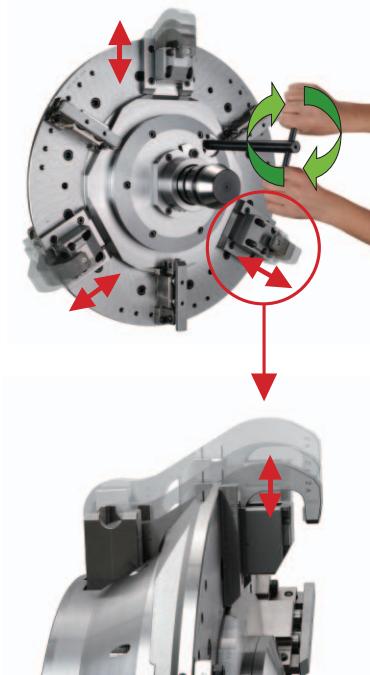
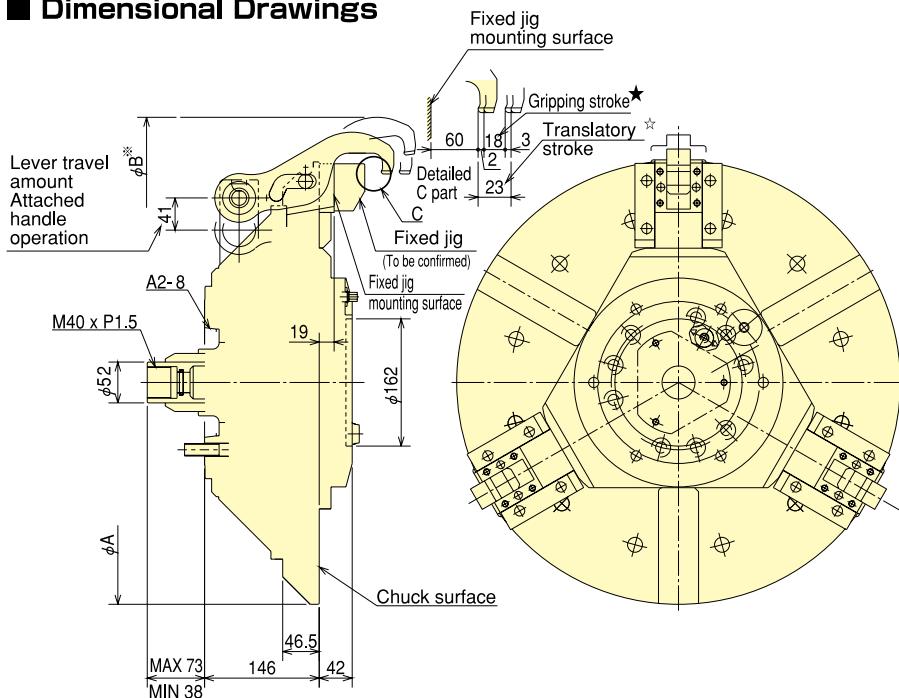
- Easy preparation for each size of Wheel
- The setup time is approximately 30 seconds.

Due to the preparation for each size, three levers and fixed jigs are moved simultaneously simply by rotating the handle, thus saving the setup time.



Advanced Chuck

■ Dimensional Drawings



■ Dimensions

※B shows the state in use of the lever A.

Dimensions	A	B*
Model		
FG56Q	565	672
FG62Q	620	727

■ Specifications

Specs	Jaw stroke		Gripping force/jaw	Max. plunger thrust	Max. speed	Mass	Moment of Inertia	Matching cylinder
Model	Full stroke mm	Translatory/ gripping* stroke mm	Open jaw mm	kN(kgf)	min ⁻¹	kg	kg·m ²	
FG56Q	35	23/18	12	9.5 (969)	30 (3059)	2500	117.5	4.13
FG62Q						2200	195	7.5

■ Measurement table for Wheel

Model	Wheel size	Lever		13	14	15	16	17	18	19	20	21	22
		A	C						○	○	○	○	○
FG56Q	A												
	C	○	○	○	○								
	B(option)			○	○	○	○	○	○				
FG62Q	A									○	○	○	○
	C				○	○	○	○	○				
	B(option)							○	○	○	○		