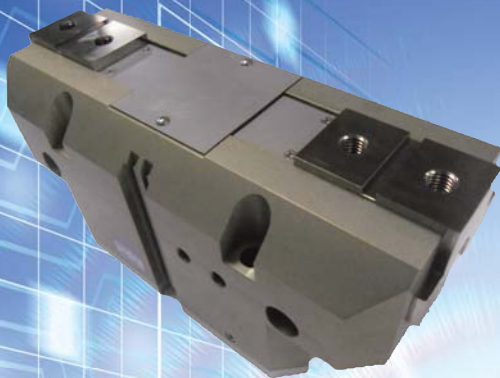


# New Models Including 2 High Gripping Force Hands and 2 High Gripping Force Chucks!!



## High Gripping Force Hand

- HHC Series-Long stroke
- HHD Series-High gripping force

Model no.	Gripping force	Stroke
HHC-160CS	4200 N	70 mm
HHD-160CS	5333 N	40 mm



## High Gripping Force Chuck

- CKT Series-Long stroke
- CKU Series-High gripping force

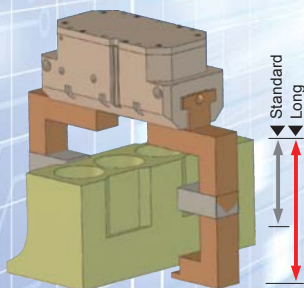
Model no.	Gripping force	Stroke
CKT-250CS	5500 N	70 mm
CKU-250CS	8333 N	40 mm

High rigidity

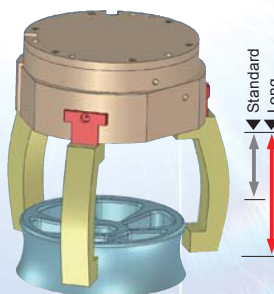
Also supports long jaw

Light

Ultra light



Model no.	Max. jaw height
HHC-160CS	350 mm
HHD-160CS	300 mm



Model no.	Max. jaw height
CKT-160CS	280 mm
CKU-160CS	210 mm

Miniaturized, optimized material

Supports T-type switch

T type switch can be mounted in a fixed groove for the switch on the side of the body.

- Proximity 2- or 3- wire switch
- Coolant-proof switch

**High Gripping Force Hand HHC and HHD Series,  
High Gripping Force Chuck CKT and CKU Series**

**CKD Corporation**

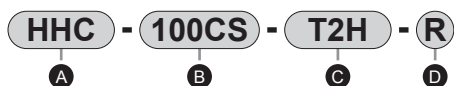
<http://www.ckd.co.jp/>

CC-1153A

- These products are custom order. Contact CKD for details.

# HHC · HDD · CKT · CKU Series

## How to order



A Model	B Size	C Switch model no. (Note 1)						D Switch quantity	
HHC	100CS	Axial lead wire	Radial lead wire	Reed	Lead wire	*Lead wire length		R	1 on the open side
HHD	125CS					Proximity	2-wire	Blank	1 m
CKT	160CS	T2H*	T2V*	3-wire	3				
CKU	200CS	T3H*	T3V*			5	5 m		
	250CS								

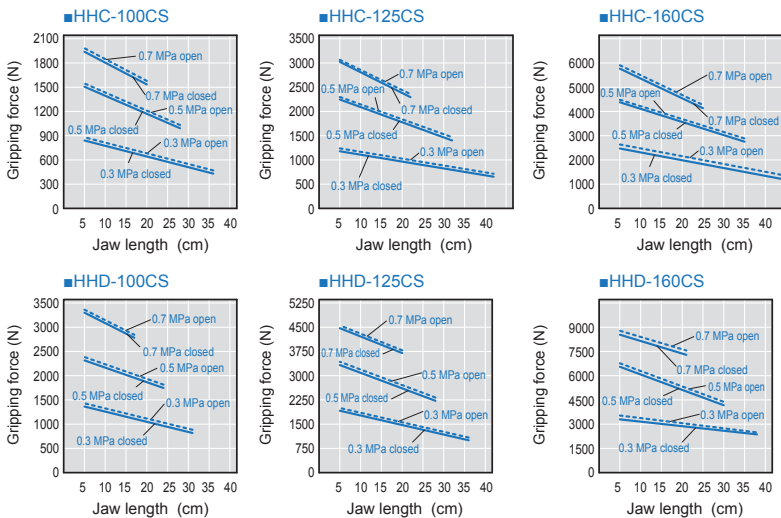
Note 1: This is also available for the cutting oil proof switch. Contact CKD for details.

## Hand Specifications

### ●HHC/HHD

Descriptions	HHC-100CS	HHD-100CS	HHC-125CS	HHD-125CS	HHC-160CS	HHD-160CS
Size	100CS		125CS		160CS	
Bore size	mm Equal to φ91		mm Equal to φ125		mm Equal to φ173	
Actuation	Double acting					
Working fluid	Compressed air					
Max. working pressure	MPa 0.7					
Min. working pressure	MPa 0.3					
Ambient temperature	°C 5 to 60					
Port size	Rc1/8			Rc1/4		
Operational stroke length	mm 50	mm 28	mm 60	mm 34	mm 70	mm 40
Rod diameter	mm φ30		mm φ36		mm φ40	
Theoretical gripping force (0.5 MPa)	N 1400	N 2200	N 2100	N 3150	N 4200	N 5333
Width	mm 234	mm 224	mm 270	mm 260	mm 314	mm 304
Length	mm 100		mm 115		mm 140	
Height	mm 111		mm 126.5		mm 141	
Max. jaw length	mm 280	mm 240	mm 320	mm 280	mm 350	mm 300
Repeat accuracy	mm ±0.03					
Weight	kg 4.5		kg 7.0		kg 11.5	
Lubrication	Not required (Use type 1 turbin oil (ISO VG32) for lubrication)					

### ●Gripping force performance data

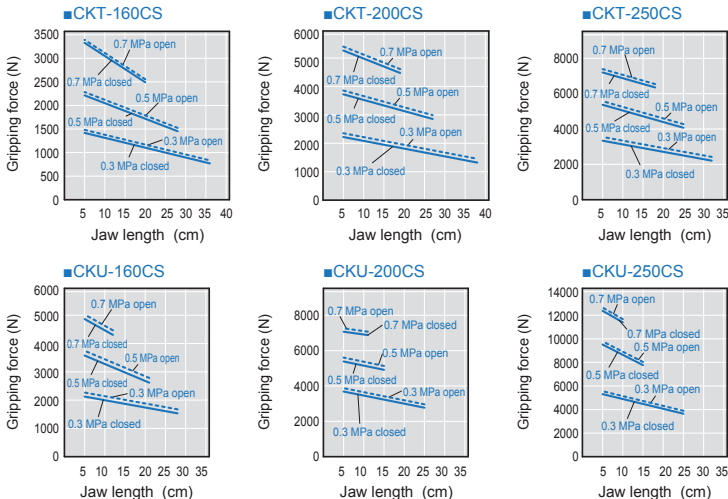


## Chuck Specifications

### ●CKT/CKU

Descriptions	CKT-160CS	CKU-160CS	CKT-200CS	CKU-200CS	CKT-250CS	CKU-250CS
Size	160CS		200CS		250CS	
Cylinder inside diameter	mm φ160		mm φ200		mm φ250	
Actuation	Double acting					
Working fluid	Compressed air					
Max. working pressure	MPa 0.7					
Min. working pressure	MPa 0.3					
Ambient temperature	°C 5 to 60					
Port size	Rc1/8			Rc1/4		
Operational stroke length	mm 50	mm 28	mm 60	mm 34	mm 70	mm 40
Rod diameter	mm φ30		mm φ36		mm φ40	
Theoretical gripping force (0.5 MPa)	N 2100	N 3400	N 3600	N 5833	N 5500	N 8333
Outside diameter	mm 264	mm 250	mm 304	mm 290	mm 344	mm 336
Height	mm 109		mm 131		mm 149	
Max. jaw length	mm 280	mm 210	mm 270	mm 150	mm 250	mm 150
Repeat accuracy	mm ±0.03					
Weight	kg 10		kg 17		kg 27	
Lubrication	Not required (When lubricating, use turbine oil ISO VG32)					

### ●Gripping force performance data



If the goods and their replicas, or the technology and software in this catalog are to be exported, laws require the exporter to make sure they will never be used for the development or the manufacture of weapons for mass destruction.

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●Specifications are subject to change without notice.

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