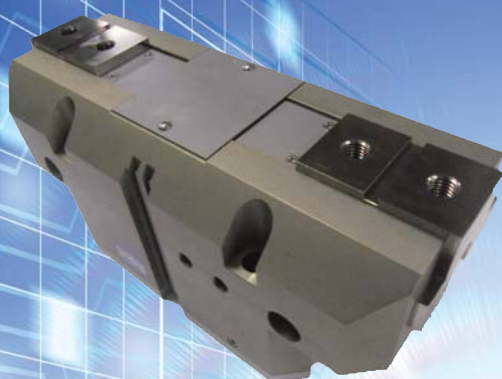


New Models Including 2 High Gripping Force Hands and 2 High Gripping Force Chucks!!



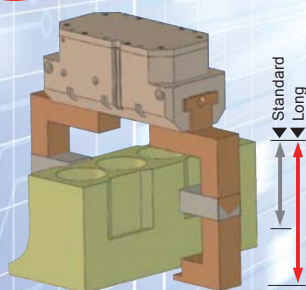
High Gripping Force Hand

- 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 rigidity

Also supports long jaw



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



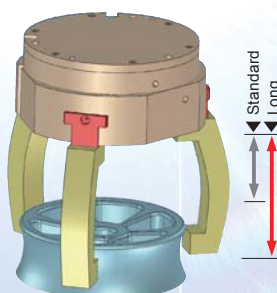
High Gripping Force Chuck

- 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

Light

Ultra light



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

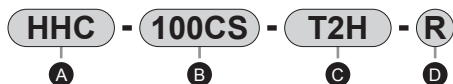
<http://www.ckd.co.jp/>

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							H	1 on the closed side
CKT	160CS	T2H*	T2V*	Proximity	2-wire	Blank	1 m	D	2
CKU	200CS	T3H*	T3V*		3-wire	3	3 m		
	250CS					5	5 m		

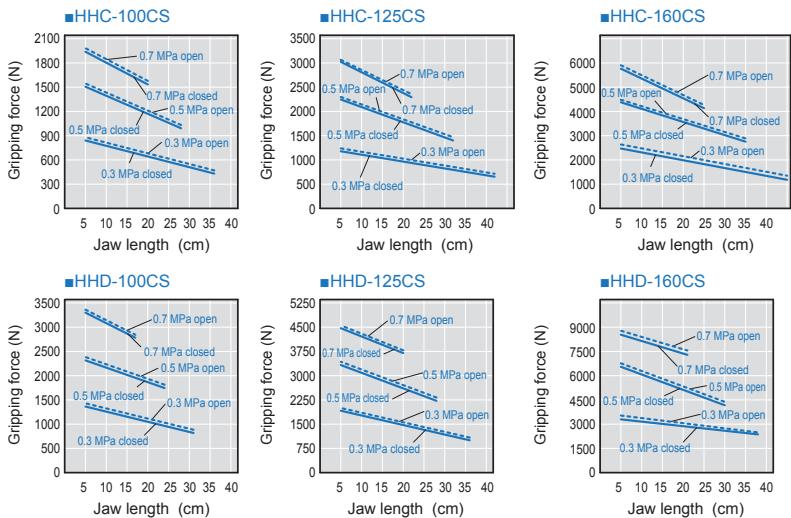
Note 1: This is also available for the cutting oil proof switch. Contact CKD for details.

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		Equal to φ125		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	28	60	34	70 40
Rod diameter	mm	φ30		φ36		φ40
Theoretical gripping force (0.5 MPa)	N	1400	2200	2100	3150	4200 5333
Width	mm	234	224	270	260	314 304
Length	mm	100		115		140
Height	mm	111		126.5		141
Max. jaw length	mm	280	240	320	280	350 300
Repeat accuracy	mm	±0.03				
Weight	kg	4.5		7.0		11.5
Lubrication	Not required (Use type 1 turbin oil (ISO VG32) for lubrication)					

●Gripping force performance data

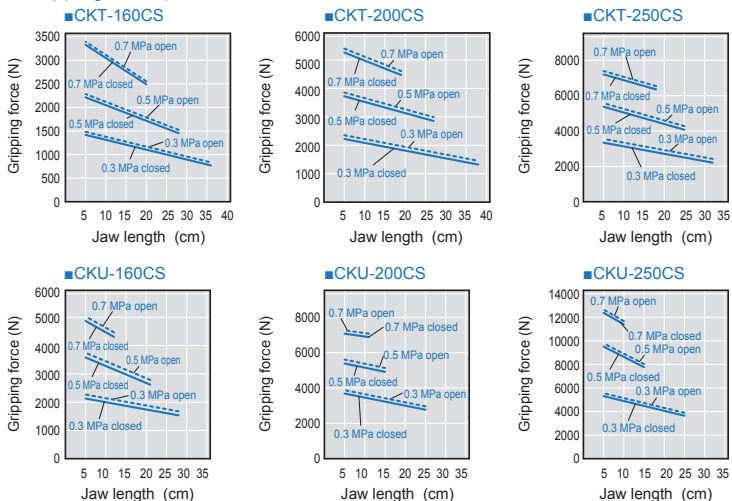


Chuck Specifications

●CKT/CKU

Descriptions	CKT-160CS	CKU-160CS	CKT-200CS	CKU-200CS	CKT-250CS	CKU-250CS
Size	160CS		200CS		250CS	
Cylinder inside diameter mm	φ160		φ200		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	28	60	34	70	40
Rod diameter mm	φ30		φ36		φ40	
Theoretical gripping force (0.5 MPa) N	2100	3400	3600	5833	5500	8333
Outside diameter mm	264	250	304	290	344	336
Height mm	109		131		149	
Max. jaw length mm	280	210	270	150	250	150
Repeat accuracy mm	±0.03					
Weight kg	10		17		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.

CKD Corporation

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●Specifications are subject to change without notice.

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