

**HEAVY
DUTY
VERSION**



Benefits and features

- For heavy machining
- Extreme high clamping force
- Easy handling
- Rigid design

ETP HYDRO-GRIP® HD

Hydraulic high precision toolholder – Heavy Duty version Up to 1670 Nm holding torque!

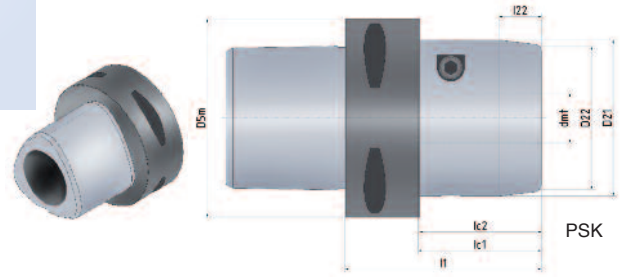
ETP HYDRO-GRIP® HD, Heavy Duty, is the first hydraulic Power chuck available on the market. Here ETP combine all the positive benefits of hydraulic

clamping, such as easy handling and precision, with an extreme high tool clamping force capability and rigid design. A high bending stiffness and the dampening

properties of the hydraulic pressure media makes ETP HYDRO-GRIP® HD the ideal holder for any machining, from heavy rough milling to finishing.

- Runout accuracy < 0.004 mm at 2.5 x dm_t (max. 50 mm)
- Balancing grade: G 2.5 at 25 000 rpm for PSK C5 – C6, HSK 63 and ISO40
G 2.5 at 14 000 rpm for PSK C8, HSK 100 and ISO50
- Tool shank h6 or h7 can be used
- Can be used with reducing sleeve
- Center thread, M12x1, for axial length adjustment screw (screw not included)
- Coolant through on all holders
- Bore for data carrier – available on request

METRIC RANGE



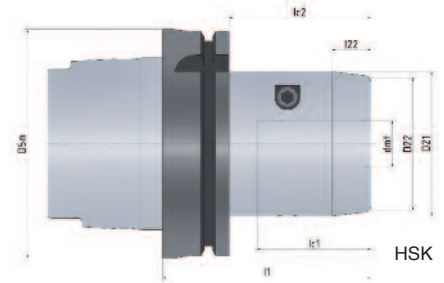
ETP HYDRO-GRIP® HD

Hydraulic high precision toolholder – Heavy Duty version

Technical Specification PSK form

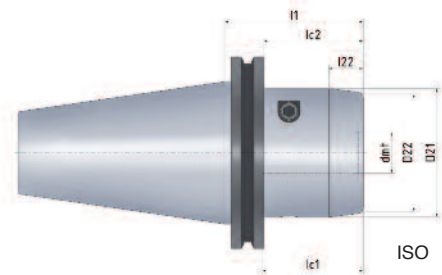
Coupling size	Part no.	Item description	Dimensions, mm							
			D_{5m}	dm_t	D_{21}	D_{22}	l_1	l_{22}	l_{c1}	l_{c2}
● C5	682040	HG HD-20/C5	50	20	63	59	79	17	52	
● C6	682050	HG HD-20/C6	63	20	63	59	73	17	52	
●	682060	HG HD-25/C6	63	25	74	70	80	17	56	
●	682070	HG HD-32/C6	63	32	80	76	86	17	60	
● C8	682080	HG HD-20/C8	80	20	63	59	79	17	52	49
●	682090	HG HD-25/C8	80	25	74	70	83	17	56	53
●	682100	HG HD-32/C8	80	32	80	76	87	17	60	

- From stock
- On request



Technical Specification HSK A/C

HSK size	Part no.	Item description	Dimensions, mm							
			D_{5m}	dm_t	D_{21}	D_{22}	l_1	l_{22}	l_{c1}	l_{c2}
● 63	682150	HG HD-20/HSK63	63	20	63	59	96	17	52	70
● 100	682160	HG HD-20/HSK100	100	20	63	59	91	17	52	62
●	682170	HG HD-25/HSK100	100	25	74	70	95	17	56	66
●	682180	HG HD-32/HSK100	100	32	80	76	99	17	60	70



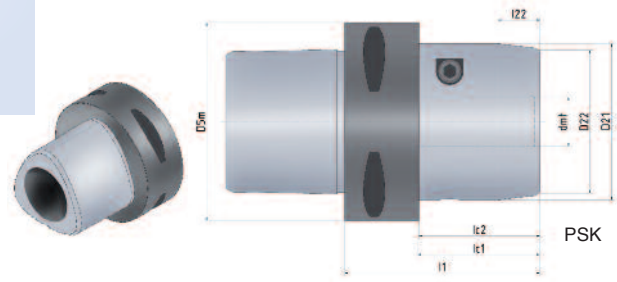
Technical Specification ISO form AD (A/B coolant on all CAT40 and CAT50 holders)

Machine design	Taper	Part no.	Item description	Dimensions, mm						
				dm_t	D_{21}	D_{22}	l_1	l_{22}	l_{c1}	l_{c2}
● Cat V	40	682110	HG HD-20/CAT40	20	63	59	90	17	90	70,95
	50	682120	HG HD-20/CAT50	20	63	59	68	17	68	48,95
		682130	HG HD-25/CAT50	25	74	70	92	17	92	72,95
		682140	HG HD-32/CAT50	32	80	76	97	17	97	77,95
● ISO 7388.1	40	682190	HG HD-20/ISO40	20	63	59	90	17	90	70,9
	50	682200	HG HD-20/ISO50	20	63	59	68	17	68	49
		682210	HG HD-25/ISO50	25	74	70	79	17	79	60
		682220	HG HD-32/ISO50	32	80	76	83	17	83	64
● MAS BT403	40	682000	HG HD-20/BT40	20	63	59	79	17	79	
	50	682010	HG HD-20/BT50	20	63	59	87	17	87	4
		682020	HG HD-25/BT50	25	74	70	91	17	91	53
●		682030	HG HD-32/BT50	32	80	76	95	17	95	57

l_1 = programming length

- Runout accuracy < 0.004 mm at 2.5 x dm_t (max. 50 mm)
- Balancing grade: G 2.5 at 25 000 rpm for PSK C5 – C6, HSK 63 and ISO40
G 2.5 at 14 000 rpm for PSK C8, HSK 100 and ISO50
- Tool shank h6 or h7 can be used
- Can be used with reducing sleeve
- Center thread, M12x1, for axial length adjustment screw (screw not included)
- Coolant through on all holders
- Bore for data carrier – available on request

INCH RANGE



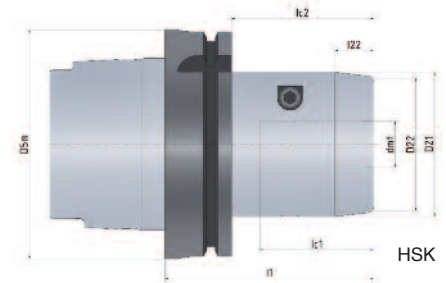
ETP HYDRO-GRIP® HD

Hydraulic high precision toolholder – Heavy Duty version

Technical Specification PSK form

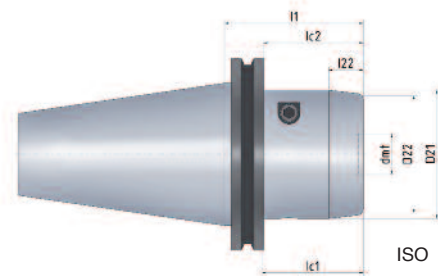
		Dimensions, mm								
Coupling size	Part no.	Item description	D_{5m}	dm_t	D_{21}	D_{22}	l_1	l_{22}	l_{c1}	l_{c2}
○	C5	682040-T HG HD-3/4"/C5	50	0.750"	63	59	79	17	52	
○	C6	682050-T HG HD-3/4"/C6	63	0.750"	63	59	73	17	52	
○		682060-T HG HD-1"/C6	63	1.000"	74	70	80	17	56	
○		682070-T HG HD-1 1/4"/C6	63	1.250"	80	76	86	17	60	
○	C8	682080-T HG HD-3/4"/C8	80	0.750"	63	59	79	17	52	49
○		682090-T HG HD-1"/C8	80	1.000"	74	70	83	17	56	53
○		682100-T HG HD-1 1/4"/C8	80	1.250"	80	76	87	17	60	

- From stock
- On request



Technical Specification HSK A/C

		Dimensions, mm								
HSK size	Part no.	Item description	D_{5m}	dm_t	D_{21}	D_{22}	l_1	l_{22}	l_{c1}	l_{c2}
○	63	682150-T HG HD-3/4"/HSK63	63	0.750"	63	59	96	17	52	70
○	100	682160-T HG HD-3/4"/HSK100	100	0.750"	63	59	91	17	52	62
○		682170-T HG HD-1"/HSK100	100	1.000"	74	70	95	17	56	66
●		682180-T HG HD-1 1/4"/HSK100	100	1.250"	80	76	99	17	60	70



Technical Specification ISO form AD (A/B coolant on all CAT40 and CAT50 holders)

		Dimensions, mm								
Machine design	Taper	Part no.	Item description	dm_t	D_{21}	D_{22}	l_1	l_{22}	l_{c1}	l_{c2}
○	Cat V	40	682110-T HG HD-3/4"/CAT40	0.750"	63	59	90	17	90	70,95
○		50	682120-T HG HD-3/4"/CAT50	0.750"	63	59	68	17	68	48,95
●			682130-T HG HD-1"/CAT50	1.000"	74	70	92	17	92	72,95
●			682140-T HG HD-1 1/4"/CAT50	1.250"	80	76	97	17	97	77,95
○	ISO 7388.1	40	682190-T HG HD-3/4"/ISO40	0.750"	63	59	90	17	90	70,9
○		50	682200-T HG HD-3/4"/ISO50	0.750"	63	59	68	17	68	49
○			682210-T HG HD-1"/ISO50	1.000"	74	70	79	17	79	60
○			682220-T HG HD-1 1/4"/ISO50	1.250"	80	76	83	17	83	64
○	MAS BT403	40	682000-T HG HD-3/4"/BT40	0.750"	63	59	79	17	79	
○		50	682010-T HG HD-3/4"/BT50	0.750"	63	59	87	17	87	4
○			682020-T HG HD-1"/BT50	1.000"	74	70	91	17	91	53
○			682030-T HG HD-1 1/4"/BT50	1.250"	80	76	95	17	95	57

l_1 = programming length