



# HIGH PRECISION HYDRAULIC HOLDERS

## FEATURES

- T.I.R. 0.0001" at 3X shank dia.
- Balanced to 25,000 RPM at G2.5
- Precision ground to AT3 standard
- AD/B CoolFLEX coolant standard



\* Available in: CAT40 | CAT50 | BT30 | BT40 | HSK63A | HSK100A | HSK63F

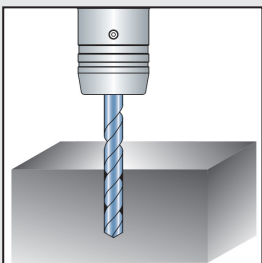
## Extended Reach

Extended length hydraulic holders are a great choice for mould work, or any time you need smooth, accurate cutting at extended lengths.

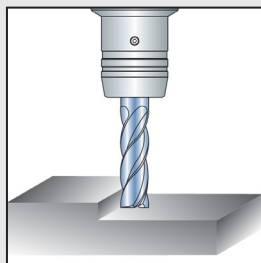
## Fast Tool Changes

Fast tool changes are performed with just a twist of a wrench (included). Change tools in-spindle without the need for setup equipment. Reduction sleeves fit shank sizes 1/8" up to 5/8" (3 - 16mm)

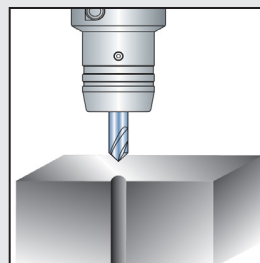
drilling



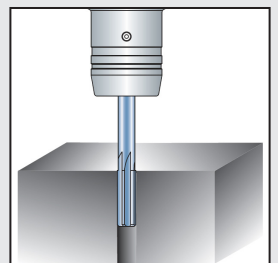
face & edge milling



chamfering



reaming



Techniks is a proud member of Techniks Tool Group.  
**CNC TOOLING SOLUTIONS**  
**FROM SPINDLE TO WORKPIECE**

Connect with Techniks Tool Group:



**BT30 HYDRAULIC TOOLHOLDERS – INCH SIZE**

Part No.	Description	d1	D1	D2	L	L1	L2
153250	BT30AD/B-HC 1/4-2.75 Hydro	1/4"	1.024"	1.772"	2.756"	1.142"	1.063"
153312	BT30AD/B-HC 5/16-2.75 Hydro	5/16"	1.102"	1.772"	2.756"	1.181"	1.063"
153375	BT30AD/B-HC 3/8-2.95 Hydro	3/8"	1.181"	1.772"	2.953"	1.220"	1.260"
153500	BT30AD/B-HC 1/2-3.35 Hydro	1/2"	1.260"	1.772"	3.346"	1.575"	1.457"
153675	BT30AD/B-HC 5/8-3.54 Hydro	5/8"	1.496"	1.772"	3.543"	1.811"	1.654"
153750	BT30AD/B-HC 3/4-3.54 Hydro	3/4"	1.654"	1.772"	3.543"	1.890"	1.654"

**CAT40 HYDRAULIC TOOLHOLDERS – INCH AND METRIC**

Part No.	Description	d1	D1	D2	L	L1	L2
154500	CAT40AD/B-HC1/2S-2.52 Hydro	1/2"	1.654"	-	2.520"	-	1.457"
154625	CAT40AD/B-HC5/8S-2.52 Hydro	5/8"	1.339"	1.772"	2.520"	-	1.654"
154750	CAT40AD/B-HC3/4S-2.52 Hydro	3/4"	1.496"	1.969"	2.520"	-	1.654"
154100	CAT40AD/B-HC1S-3.50 Hydro	1.0"	2.244"	2.598"	3.504"	-	1.890"
154060	CAT40AD/B-HC6-80.5 Hydro	6mm	26mm	50mm	80.5mm	20mm	27mm
154080	CAT40AD/B-HC8-80.5 Hydro	8mm	28mm	50mm	80.5mm	30mm	37mm
154010	CAT40AD/B-HC10-80.5 Hydro	10mm	30mm	50mm	80.5mm	32mm	32mm
154012	CAT40AD/B-HC12-80.5 Hydro	12mm	32mm	50mm	80.5mm	32mm	37mm
154016	CAT40AD/B-HC16-80.5 Hydro	16mm	38mm	50mm	80.5mm	33mm	42mm
154200	CAT40AD/B-HC20-80.5 Hydro	20mm	42mm	50mm	80.5mm	34mm	42mm

**CAT40 EXTENDED LENGTH HYDRAULIC TOOLHOLDERS – INCH SIZE**

Part No.	Description	d1	D1	D2	L	L1	L2
854022	CAT40AD/B-HMC 1/4-4.72 Hydro	1/4"	0.787"	1.969"	4.724"	2.756"	1.063"
854024	CAT40AD/B-HMC 1/4-5.91 Hydro	1/4"	0.787"	1.969"	5.906"	3.937"	1.063"
854028	CAT40AD/B-HMC 3/8-4.72 Hydro	3/8"	0.945"	1.969"	4.724"	2.756"	1.260"
854030	CAT40AD/B-HMC 3/8-5.91 Hydro	3/8"	0.945"	1.969"	5.906"	3.937"	1.260"
854032	CAT40AD/B-HMC 1/2-4.72 Hydro	1/2"	1.024"	1.969"	4.724"	2.756"	1.457"
854034	CAT40AD/B-HMC 1/2-5.91 Hydro	1/2"	1.024"	1.969"	5.906"	3.937"	1.457"
854036	CAT40AD/B-HMC 5/8-4.72 Hydro	5/8"	1.260"	1.969"	4.724"	2.756"	1.654"
854038	CAT40AD/B-HMC 5/8-5.90 Hydro	5/8"	1.260"	1.969"	5.906"	3.937"	1.654"
854040	CAT40AD/B-HMC 3/4-4.72 Hydro	3/4"	1.339"	1.969"	4.724"	2.756"	1.654"
854042	CAT40AD/B-HMC 3/4-5.90 Hydro	3/4"	1.339"	1.969"	5.906"	3.937"	1.654"

**HSK63A-HMC HYDRAULIC TOOLHOLDERS – INCH**

Part No.	Description	d1	D1	D2	L	L1	L2	Thread
158250	HSK63A-HMC 1/4"-5.71 Hydro	1/4"	0.787"	1.969"	5.709"	3.543"	1.063"	M5x0.8
158312	HSK63A-HMC 5/16"-5.71 Hydro	5/16"	0.866"	1.969"	5.709"	3.543"	1.063"	M6x1.0
158375	HSK63A-HMC 3/8"-5.71 Hydro	3/8"	0.945"	1.969"	5.709"	3.543"	1.260"	M8x1.0
158500	HSK63A-HMC 1/2"-5.71 Hydro	1/2"	1.024"	1.969"	5.709"	3.543"	1.457"	M10x1.0
158625	HSK63A-HMC 5/8"-5.7 Hydro	5/8"	1.260"	1.969"	5.709"	3.543"	1.654"	M12x1.0
158750	HSK63A-HMC 3/4"-5.7 Hydro	3/4"	1.339"	1.969"	5.709"	3.543"	1.654"	M16x1.0

**HSK63F HYDRAULIC TOOLHOLDERS – INCH SIZE**

Part No.	Description	d1	D1	D2	L	L1	L2	Thread
160750	HSK63F-HC 3/4-85 Hydro	3/4"	1.654"	1.969"	3.346"	1.693"	1.654"	M16x1.0
160100	HSK63F-HC 1-120 Hydro	1.0"	2.244"	2.480"	4.724"	2.323"	1.575"	M16x1.0

**HSK100A HYDRAULIC TOOLHOLDERS – INCH AND METRIC**

Part No.	Description	d1	D1	D2	L	L1	L2
159250	HSK100A-HC1/4-75 Hydro	1/4"	1.024"	1.969"	2.953"	1.024"	1.063"
159375	HSK100A-HC3/8-90 Hydro	3/8"	1.181"	1.969"	3.543"	1.654"	1.260"
159500	HSK100A-HC1/2-95 Hydro	1/2"	1.260"	1.969"	3.740"	1.850"	1.457"
159750	HSK100A-HC3/4-105 Hydro	3/4"	1.654"	4.134"	2.323"	1.654"	1.654"
159100	HSK100A-HC1-110 Hydro	1.0"	2.244"	2.480"	4.331"	2.441"	1.890"
159125	HSK100A-HC31 1/4-110 Hydro	1 1/4"	2.520"	2.953"	4.331"	2.441"	2.165"
159200	HSK100A-HC20S-90 Hydro	20mm	53mm	53mm	90mm	-	42mm

**BT40 HYDRAULIC TOOLHOLDERS – INCH SIZE**

Part No.	Description	d1	D1	D2	L	L1	L2
156250	BT40AD/B-HC 1/4-3.54 Hydro	1/4"	1.024"	1.772"	3.543"	1.181"	1.063"
156312	BT40AD/B-HC 5/16-3.54 Hydro	5/16"	1.102"	1.772"	3.543"	1.299"	1.063"
156375	BT40AD/B-HC 3/8-3.54 Hydro	3/8"	1.181"	1.772"	3.543"	1.260"	1.260"
156500	BT40AD/B-HC 1/2-3.54 Hydro	1/2"	1.260"	1.772"	3.543"	1.378"	1.457"
156625	BT40AD/B-HC 5/8-3.54 Hydro	5/8"	1.496"	1.890"	3.543"	1.575"	1.654"
156750	BT40AD/B-HC 3/4-3.54 Hydro	3/4"	1.654"	1.890"	3.543"	1.575"	1.654"
156100	BT40AD/B-HC 1-3.94 Hydro	1.0"	1.969"	2.362"	3.937"	1.772"	1.890"

**CAT50 HYDRAULIC TOOLHOLDERS – INCH AND METRIC**

Part No.	Description	d1	D1	D2	L	L1	L2
155750	CAT50AD/B-HC3/4S-3.19 Hydro	3/4"	2.205"	2.756"	3.189"	-	1.654"
155100	CAT50AD/B-HC1S-3.19 Hydro	1.0"	2.165"	2.756"	3.189"	-	1.890"
155125	CAT50AD/B-HC1.25S-3.19 Hydro	1 1/4"	2.165"	2.756"	3.189"	-	2.165"
155060	CAT50AD/B-HC6-80.5 Hydro	6mm	26mm	50mm	80.5mm	30mm	27mm
155080	CAT50AD/B-HC8-80.5 Hydro	8mm	28mm	50mm	80.5mm	30mm	27mm
155010	CAT50AD/B-HC10-80.5 Hydro	10mm	30mm	50mm	80.5mm	32mm	32mm
155012	CAT50AD/B-HC12-80.5 Hydro	12mm	32mm	50mm	80.5mm	35mm	37mm
155016	CAT50AD/B-HC16-80.5 Hydro	16mm	38mm	50mm	80.5mm	40mm	42mm
155200	CAT50AD/B-HC20-80.5 Hydro	20mm	42mm	50mm	80.5mm	40mm	42mm

**HSK63A HYDRAULIC TOOLHOLDERS – INCH AND METRIC**

Part No.	Description	d1	D1	D2	L	L1	L2
157250	HSK63A-HC1/4-70 Hydro	1/4"	1.024"	1.969"	2.756"	0.945"	1.063"
158375	HSK63A-HMC3/8-145 Hydro	3/8"	0.945"	2.087"	5.709"	3.543"	1.260"
157500	HSK63A-HC1/2-85 Hydro	1/2"	1.260"	1.969"	3.346"	1.575"	1.457"
158500	HSK63A-HMC1/2-145 Hydro	1/2"	1.024"	1.969"	5.709"	3.543"	1.457"
157750	HSK63A-HC3/4-90 Hydro	3/4"	1.654"	1.969"	3.543"	1.890"	1.654"
157100	HSK63A-HC 1-4.72 Hydro	1.0"	2.244"	2.480"	4.724"	2.323"	1.890"
157125	HSK63A-HC 1 1/4-4.92 Hydro	1 1/4"	2.520"	2.953"	4.921"	2.480"	2.165"
157060	HSK63A-HC6-70 Hydro	6mm	26mm	50mm	70mm	24mm	27mm
157080	HSK63A-HC8-70 Hydro	8mm	28mm	50mm	70mm	25mm	27mm
157010	HSK63A-HC10-80 Hydro	10mm	30mm	50mm	80mm	35mm	32mm
157012	HSK63A-HC12-85 Hydro	12mm	32mm	50mm	85mm	-	37mm
157014	HSK63A-HC14-85 Hydro	14mm	34mm	50mm	85mm	40mm	37mm
157016	HSK63A-HC16-90 Hydro	16mm	38mm	50mm	90mm	46mm	42mm
157018	HSK63A-HC18-90 Hydro	18mm	40mm	50mm	90mm	47mm	42mm
157200	HSK63A-HC20-80 Hydro	20mm	53mm	53mm	80mm	-	42mm
157020	HSK63A-HC20-90 Hydro	20mm	42mm	50mm	90mm	48mm	42mm
157220	HSK63A-HMC20-145 Hydro	20mm	34mm	53mm	145mm	90mm	42mm
157025	HSK63A-HC25-120 Hydro	25mm	57mm	63mm	120mm	54.5mm	48mm
157032	HSK63A-HC32-125 Hydro	32mm	64mm	75mm	125mm	63mm	55mm

**REDUCTION SLEEVES**

Part No.	Description, O.D. - I.D.
820030	20-03 reduction sleeve
820040	20-04 reduction sleeve
820050	20-05 reduction sleeve
820060	20-06 reduction sleeve
820080	20-08 reduction sleeve
820100	20-10 reduction sleeve
820120	20-12 reduction sleeve
820140	20-14 reduction sleeve
820160	20-16 reduction sleeve
520108	20-1/8" reduction sleeve
520316	20-3/16" reduction sleeve
520104	20-1/4" reduction sleeve
520516	20-5/16" reduction sleeve
520308	20-3/8" reduction sleeve
520102	20-1/2" reduction sleeve
520508	20-5/8" reduction sleeve

**Part No. Description, O.D. - I.D.**

625108	3/4-1/8" reduction sleeve
625316	3/4-3/16" reduction sleeve
625104	3/4-1/4" reduction sleeve
625516	3/4-5/16" reduction sleeve
625308	3/4-3/8" reduction sleeve
625102	3/4-1/2" reduction sleeve
625508	3/4-5/8" reduction sleeve

**Part No. Description, O.D. - I.D.**

632108	1-1/4-1/8" reduction sleeve
632316	1-1/4-3/16" reduction sleeve
632104	1-1/4-1/4" reduction Sleeve
632516	1-1/4-5/16" reduction sleeve
632308	1-1/4-3/8" reduction sleeve
632102	1-1/4-1/2" reduction sleeve
632508	1-1/4-5/8" reduction sleeve
632304	1-1/4-3/4" reduction sleeve
632508	1-1/4-1.0" reduction sleeve

