

# POWER E-HYDRO CHUCKS



**PERFORMANCE TOOLS + POWER E HYDRO = ULTIMATE PERFORMANCE**



## High torque of up to 900 Nm for highest volume machining

Due to the combination of compact design and extreme holding forces: High torque transmission is guaranteed using hydraulic clamping technology.

### Your benefit:

Highest material removal rate, no tool pull out and vibration dampening qualities.



## High radial rigidity

The optimal radial rigidity from a compact and robust toolholder body, avoids lateral deflection during metal cutting.

### Your benefit:

High workpiece accuracy and the highest material removal rates are possible by pushing your tools harder without vibration.



## Permanent run-out accuracy of less than 0.003mm

The highest run-out accuracy of less than 3 microns at 3xD tool length ensure the highest repeatability, machining accuracy and reduces vibration in small diameter or long length tools.

### Your benefit:

Precise workpieces  
Reduced tool failures  
Better surface finish



## Reduction sleeves & shanks of all types can be clamped

POWER E-HYDRO can be used with reduction sleeves or the tool can be clamped directly in the holder. Furthermore, HSS and carbide shanks in plain, weldon or whistle notch can be clamped.

### Your benefit:

One holder for every tool shank.

# POWER E-HYDRO CHUCKS

PERFORMANCE TOOLS + POWER E HYDRO = ULTIMATE PERFORMANCE

## HIGH TORQUE CHUCKS

- ▶ Balanced to G2.5 25,000RPM
- ▶ <3 micron run-out
- ▶ 900Nm clamping torque



BT-MAS

DIN 69871

HSK63A

## BT MAS POWER E-HYDRO

Taper	Dia	Nose Dia	Gauge Length	ORDER CODE
BT30	12	32	69	BT30-HC12P-69
	20	38	90	BT30-HC20P-90
BT40	12	42	58	BT40AD/B-HC12P-58
	20	49.25	72.5	BT40AD/B-HC20P-72.5
BT50	20	49.25	83.5	BT50AD/B-HC20P-83.5
	32	72	90	BT50AD/B-HC32P-90

## DIN 69871 POWER E-HYDRO

Taper	Dia	Nose Dia	Gauge Length	ORDER CODE
SK40	12	42	50	SK40AD/B-HC12P-50
	20	49.25	64.5	SK40AD/B-HC20P-64.5
SK50	20	49.25	64.5	SK50AD/B-HC20P-64.5
	32	72	81	SK50AD/B-HC32P-81

## HSK63A POWER E-HYDRO

Taper	Dia	Nose Dia	Gauge Length	ORDER CODE
HSK63A	12	42	80	HSK63A-HC12P-80
	20	49.25	80	HSK63A-HC20P-80
HSK100A	20	49.25	90	HSK100A-HC20P-90
	32	72	100	HSK100A-HC32P-100

## POWER E-HYDRO CHUCK KITS

- ▶ Sleeves included: 1 x 6,8,10,12 &16mm
- ▶ Contains 20mm toolholder & 5 sleeves



Taper	Dia	Chuck Included	Kit Order Code	List Price
BT40	20	BT40AD/B-HC20P-72.5	HCSB40-20	£367.91
SK40	20	SK40AD/B-HC20P-64.5	HCSS40-20	£367.91
HSK63A	20	HSK63A-HC20P-80	HCSH40-20	£399.91

## REDUCTION SLEEVES

### COOLANT JET REDUCTION SLEEVES

- ▶ Features 4 coolant channels
- ▶ Provides a high pressure coolant jet down the flute of the cutting tool
- ▶ Aids chip evacuation, tool cooling and increases tool life
- ▶ Ideal for aluminium, stainless steel and exotics machining

### SEALED REDUCTION SLEEVES

- ▶ Precision ground for high accuracy clamping with YG-1 hydraulic chucks
- ▶ Suitable for through coolant tool
- ▶ Assemble cutting tool with collet firstly, and then insert collet into Hydraulic Chuck



Sealed bore

Coolant channel

Outside Dia	Outside Dia	ORDER CODE	ORDER CODE	
		Coolant Jet Reduction Sleeves	Sealed Reduction Sleeves	
12	3	HF12-3	HK12-3	
	4	HF12-4	HK12-4	
	5	HF12-5	HK12-5	
	6	HF12-6	HK12-6	
	7	-	HK12-7	
	8	HF12-8	HK12-8	
	20	3	HF20-3	HK20-3
		4	HF20-4	HK20-4
5		HF20-5	HK20-5	
6		HF20-6	HK20-6	
7		-	HK20-7	
8		HF20-8	HK20-8	
9		-	HK20-9	
10		HF20-10	HK20-10	
11		-	HK20-11	
12		HF20-12	HK20-12	
32	13	-	HK20-13	
	14	HF20-14	HK20-14	
	15	-	HK20-15	
	16	HF20-16	HK20-16	
	6	HF32-6	HK32-6	
	8	HF32-8	HK32-8	
	10	HF32-10	HK32-10	
	12	HF32-12	HK32-12	
	14	HF32-14	HK32-14	
	16	HF32-16	HK32-16	
	18	HF32-18	HK32-18	
	20	HF32-20	HK32-20	
	25	HF32-25	HK32-25	