



NANDINI ENTERPRISES

Hydraulic Expansion Chucks





Features

- ✓ Remarkable vibration damping gives better surface finish and increases tool life.
- ✓ Balanced to 2.5G ,25000 RPM.
- ✓ High precision runout 0.003mm at 2.5D/ max 50mm length.
- ✓ Anti-vibration system available from GPL=200 to 400mm.
- ✓ Hydraulic Expansion Chuck (HC25) With Non – Pull out Reduction Sleeve.
- ✓ Hydraulic Expansion Chuck for Tool and Cutter CNC Grinding Machines.
- ✓ Hydraulic Expansion Chuck for Automates.

Capacity

- ✓ **Heavy Duty Series Hydraulic Chucks:**
 - HC12S
 - HC20S
 - HC32S
- ✓ **Standard Series Hydraulic Chucks:**
 - HC 06 to HC 32
- ✓ **Slim 3° series Hydraulic Chucks:**
 - HC 03 slim 3° to HC 25 slim 3°

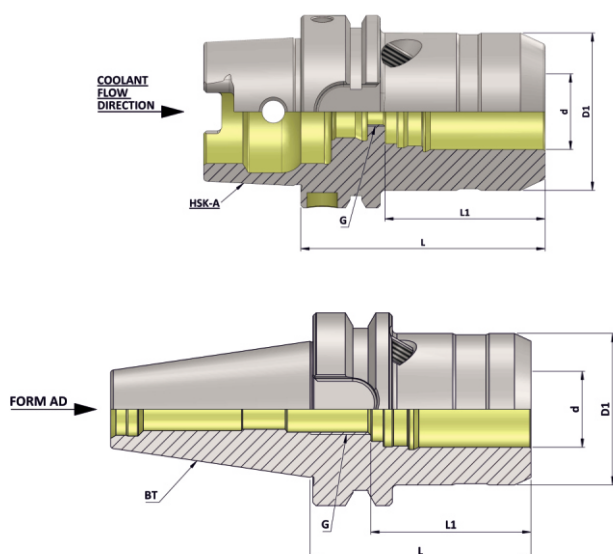
Available in mountings

- BT (MAS403) (DIN ISO 7388 - 2)
- KBT (MAS403) (DIN ISO 7388 - 2)
- SK (DIN69871) (DIN ISO 7388 - 1)
- HSK-A (DIN 69893 - 1)
- CAT (ANSI B 5.50)
- CYLINDRICAL SHANK

Reduction Sleeves for Hydraulic Chuck

- ✓ RS Seal Through Coolant Capacity: RS Seal 12/20/25/32mm
- ✓ RS Seal Face Through Coolant Capacity (RS-TC): (RS-TC) 12/20/25/32mm
- ✓ Reduction Sleeve Non – Pull out for HC25: ID 12 mm and ID 16mm

Hydraulic Expansion Chucks (Heavy Duty Series)

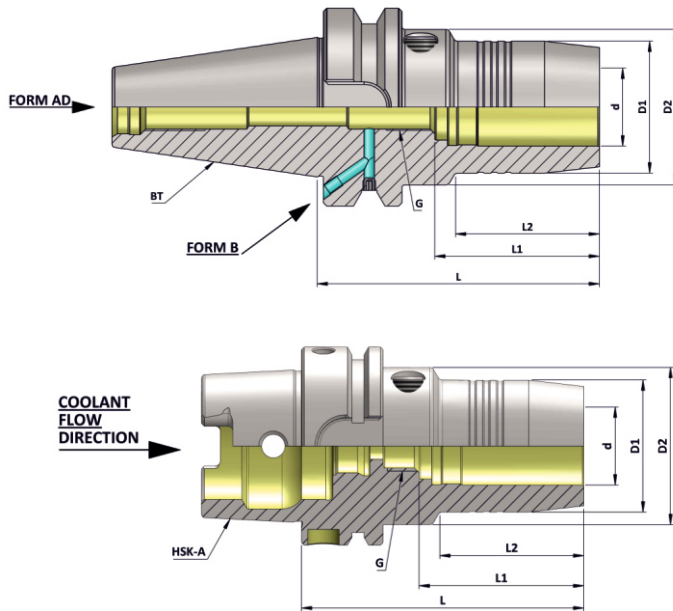


Technical Information : Hydraulic Expansion Chucks (Heavy Duty Series)

Range of Holder	d	L	Safe Transferable Torque (Nm)	Suitable HC RS Sleeve		Stopper Screw
BT30 HC12S	12	69	110 Nm	RS SEAL 12	RS-TC 12	M10X16
BT30 HC20S	20	90	520 Nm	RS SEAL 20	RS-TC 20	M16X16
KBT30 HC12S	12	69	110 Nm	RS SEAL 12	RS-TC 12	M10X16
KBT30 HC20S	20	90	520 Nm	RS SEAL 20	RS-TC 20	M16X16
BT40 HC12S	12	58	110 Nm	RS SEAL 12	RS-TC 12	M10X16
BT40 HC20S	20	72.5	520 Nm	RS SEAL 20	RS-TC 20	M16X16
KBT40 HC12S	12	58	110 Nm	RS SEAL 12	RS-TC 12	M10X16
KBT40 HC20S	20	72.5	520 Nm	RS SEAL 20	RS-TC 20	M16X16
BT50 HC12S	12	69	110 Nm	RS SEAL 12	RS-TC 12	M10X16
BT50 HC20S	20	83	520 Nm	RS SEAL 20	RS-TC 20	M16X16
BT50 HC32S	32	90	900 Nm	RS SEAL 32	RS-TC 32	M16X16
KBT50 HC12S	12	69	110 Nm	RS SEAL 12	RS-TC 12	M10X16
KBT50 HC20S	20	83	520 Nm	RS SEAL 20	RS-TC 20	M16X16
KBT50 HC32S	32	90	900 Nm	RS SEAL 32	RS-TC 32	M16X16
HSK-A50 HC12S	12	85	110 Nm	RS SEAL 12	RS-TC 12	M10X16
HSK-A50 HC20S	20	90	520 Nm	RS SEAL 20	RS-TC 20	M8X16
HSK-A63 HC12S	12	80	110 Nm	RS SEAL 12	RS-TC 12	NA
HSK-A63 HC20S	20	80	520 Nm	RS SEAL 20	RS-TC 20	NA
HSK-A100 HC12S	12	95	110 Nm	RS SEAL 12	RS-TC 12	M10X16
HSK-A100 HC20S	20	90	520 Nm	RS SEAL 20	RS-TC 20	NA
HSK-A100 HC32S	32	110	900 Nm	RS SEAL 32	RS-TC 32	M16X16

Note : For more Technical information, kindly refer our Hydraulic Expansion Chuck catalogue **Volume 1**.

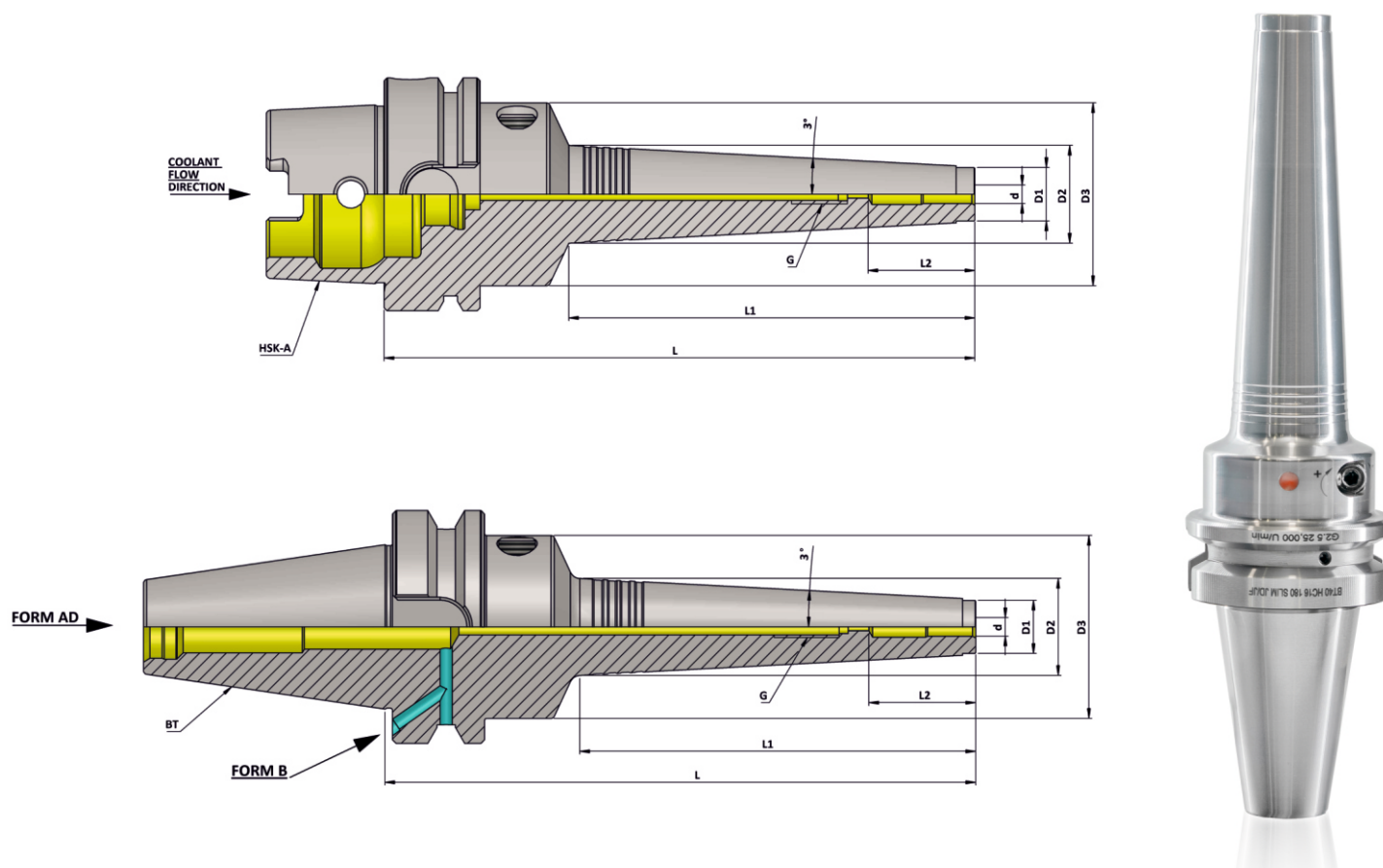
Hydraulic Expansion Chucks (Standard Series)



Technical Information : Hydraulic Expansion Chucks (Standard Series)

Range of Holder	d	L	Safe Transferable Torque (Nm)
BT30 HC Standard Series	6-20	50.8 - 90	16 - 300 Nm
KBT30 HC Standard Series	6-20	50.8 - 90	16 - 300 Nm
BT40 HC Standard Series	6-32	90 - 140	16 - 650 Nm
KBT40 HC Standard Series	6-32	90 - 140	16 - 650 Nm
BT50 HC Standard Series	6-32	90 - 140	16 - 650 Nm
KBT50 HC Standard Series	6-32	90 - 140	16 - 650 Nm
HSK-A 32 HC Standard Series	6-12	80 - 90	16 - 90 Nm
HSK-A 40 HC Standard Series	6-12	70 - 80	16 - 90 Nm
HSK-A 50 HC Standard Series	6-20	70 - 90	16 - 330 Nm
HSK-A 63 HC Standard Series	6-32	70 - 200	16 - 650 Nm
HSK-A 80 HC Standard Series	6-32	70 - 125	16 - 650 Nm
HSK-A 100 HC Standard Series	6-32	75 - 200	16 - 650 Nm
HSK-C 40 HC Standard Series	6-12	60 - 70	16 - 90 Nm
HSK-C 50 HC Standard Series	6-25	60 - 90	16 - 450 Nm
HSK-C 63 HC Standard Series	6-32	60 - 100	16 - 650 Nm
HSK-E 40 HC Standard Series	6-12	70 - 80	16 - 90 Nm
HSK-E 50 HC Standard Series	6-20	70 - 90	16 - 330 Nm
HSK-63F HC Standard Series	6-25	70 - 120	16 - 450 Nm

Note : For more Technical information, kindly refer our Hydraulic Expansion Chuck catalogue **Volume 1**.

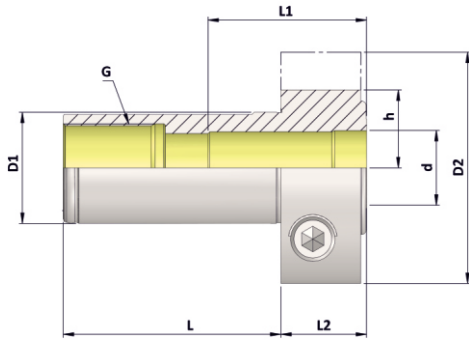


Technical Information : Hydraulic Expansion Chucks (Slim 3° Series)

Range of Holder	d	L	Safe Transferable Torque (Nm)
BT30 HC Slim 3° Series	3-12	70-180	3-110 Nm
KBT30 HC Slim 3° Series	3-12	70-180	3-110 Nm
BT40 HC Slim 3° Series	3-25	75-180	3-380 Nm
KBT40 HC Slim 3° Series	3-25	75-180	3-380 Nm
BT50 HC Slim 3° Series	6-25	105-195	20 - 380 Nm
KBT50 HC Slim 3° Series	6-25	105-195	20 - 380 Nm
HSK-A 40 HC Slim 3° Series	3-12	90-180	3 - 110 Nm
HSK-A 50 HC Slim 3° Series	3-12	95-180	3 - 110 Nm
HSK-A 63 HC Slim 3° Series	3-25	80-195	3 - 380 Nm
HSK-A 100 HC Slim 3° Series	6-25	105-195	20 - 380 Nm
HSK-E 40 HC Slim 3° Series	3-12	90-120	3 - 110 Nm
HSK-E 50 HC Slim 3° Series	3-12	95-120	3 - 110 Nm

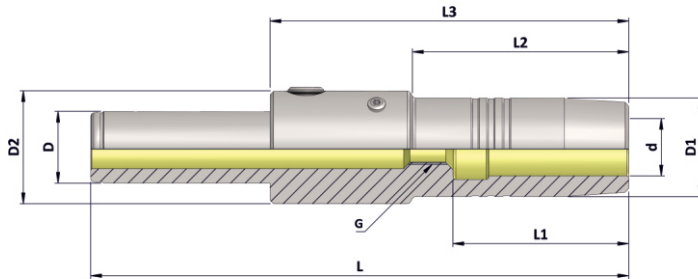
Note :

- Reduction sleeves are not recommended for use with the Hydraulic Chucks Slim 3° Series.
- For more Technical information, kindly refer our Hydraulic Expansion Chuck catalogue **Volume 1**.



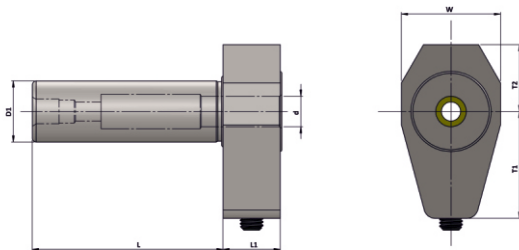
Technical Information : Cylindrical Shank Hydraulic Expansion Chucks

Range of Holder	d	D1	L	G	Safe Transferable Torque (Nm)
DIA25 HC12 L049	12	25	49	M18	90 Nm
DIA25 HC16 L056	16	25	56	M18	185Nm
DIA32 HC20 L059	20	32	59	M18	330Nm



Technical Information : Cylindrical Shank Hydraulic Expansion Chucks Long Series

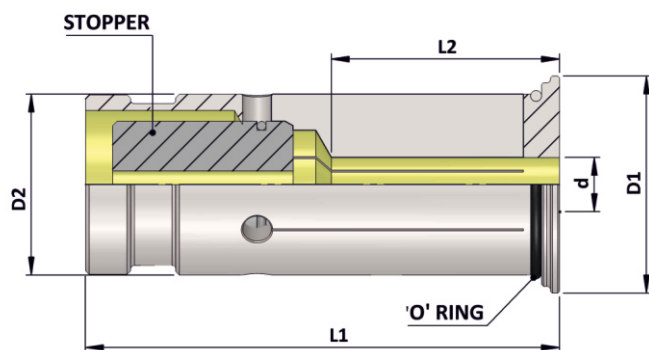
Range of Holder	d	D	L	G	Safe Transferable Torque (Nm)
DIA20 HC06 - 08	06-08	20	150	M5	16-23 Nm
DIA20 HC10 - 12	10-12	20	150	M6	45-90 Nm
DIA20 HC16 - 20	16-20	20	150	M10	185-330 Nm
DIA32 HC20 L150	20	32	150	M10	330Nm
DIA32 HC20 L200	20	32	200	M10	330Nm



Technical Information : Hydraulic Expansion Chucks for Sliding Head (SLH-HC)

Range of Holder	d	D1	L	L1	Safe Transferable Torque (Nm)
SL.H. 16 HC	03-08	16	50	15	3-35Nm
SL.H. 20 HC	03-10	20	70	15	3-65 Nm
SL.H. 25 HC	03-12	25	70	15	3-110 Nm

Note: For more Technical information, kindly refer our Hydraulic Expansion Chuck catalogue **Volume 1**.



Technical Information : Reduction Sleeve Seal (RS SEAL) For Hydraulic Expansion Chucks

Range of Sleeve	d	D1	D2	L1	Suitable Hydraulic Chuck
RS SEAL 12	3-8	16.5	12	44	Heavy Duty - HC12S & Standard Series - HC12
RS SEAL 20	3-16	24	20	52.5	Heavy Duty - HC20S & Standard Series - HC20
RS SEAL 25	6-20	29	25	56.5	Standard Series - HC25
RS SEAL 32	6-25	36	32	63.5	Heavy Duty - HC32S & Standard Series - HC32

Note : Hydraulic Reduction Sleeves are also available with Face Through Coolant (RS-TC).

Stopper Screws for Hydraulic Expansion Chucks

Range of Holder	Stopper Screw
HC 03	M2.5X16
HC 04	M2.5X16
HC 05	M2.5X16
HC 06	M5X16
HC 08	M6X16
HC 10	M8X16
HC 12	M10X16
HC 14	M10X16
HC 16	M12X16
HC 18	M12X16
HC 20	M16X16
HC 25	M16X16
HC 32	M16X16

Range of Holder (HSK-A32-40)	Stopper Screw
HC 06	M5X16
HC 08	M6X16
HC 10	M6X16
HC 12	M6X16

Note :

For more Technical information, kindly refer our Hydraulic Expansion Chuck catalogue **Volume 1**.



Hydraulic Expansion Chuck for Tool & Cutter CNC Grinding Machine



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Nandini Enterprises

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Shop No. G-49, Basveshwar Industrial Complex, Sector No. 10,
Vishveshwar Chowk, PCNTDA, MIDC, Bhosari, Pune - 411 026, MH, India.



info@nandinigroup.co.in



www.nandinigroup.co.in



+91 837 809 6507

+91 989 046 6681

