

NPA

New Product Announcement No. 2025-08



THYCHUCK

New Hydraulic Chuck Line



KEY POINT

TaeguTec introduces new significantly improved hydraulic chucks.

The new hydraulic chucks offer stronger clamping and higher precision compared to the existing chucks. Furthermore, they are compatible with the current product line and will replace the existing stock as it depletes. Therefore, we recommend ordering replacements as soon as possible.

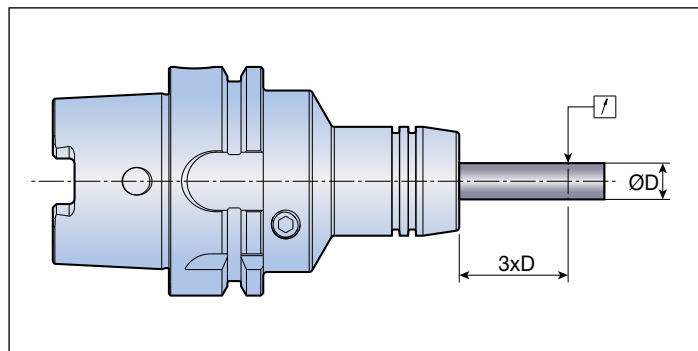
For further information, please contact the product manager.

New hydraulic chuck features

- High precision clamping
- Improved machining stability with stronger clamping force
- Various types: general, slim & extension

THCG General type		■ For high precision machining ■ For simple tool change ■ For strong clamping operations ■ For drilling and end mill finishing operations
THCS Slim type		■ For narrow and deep shape operations ■ For operations with interference between the workpiece or fixture ■ For high precision machining under long overhang conditions ■ Recommended for mold finishing by ball-type end mills
THCR Adjustable type		■ Suited to ultra-precision operations down to 0µm ■ Radial runout can be adjusted by using the set screw ■ ST shanks can be used with other chucks ■ Suitable for long overhang tools (reamers specifically)

Precision



Run-out measure point: 3xD (Diameter)

- Standard run-out: 3 µm
- ID Ø25-32 mm run-out: 5 µm
- Length 150 mm or longer run-out: 7 µm

Notice

1. Before tightening the tool, **remove dust from the inside of the hydraulic chuck and the tool shank**, and ensure they are dry and clean. This will improve tool runout and clamping force after fastening.
2. **The minimum insertion depth of the tool, Lmin, must be observed** when in use. This prevents changes in the hydraulic chuck's internal diameter or loss of hydraulic oil.
3. Clamping screws must be fully **locked to the recommended torque value**. This prevents tool breakage, loss of hydraulic oil, and ensures optimal machining performance.
4. **A cylindrical shank tool with h6 tolerance** is recommended to ensure clamping force.
5. **Weldon shank tools must be tightened using collets** to prevent changes in the hydraulic chuck's internal diameter and damage.
6. If not used for long periods of time, tools should be removed and stored in a clean condition to minimize loss of hydraulic oil.
7. The clamping screw must not be tightened without the tool inserted to prevent changes in the hydraulic chuck's internal diameter and damage.
8. The vent bolt must not be disassembled by the customer.

Table 1. Tool insertion minimum and maximum depth

Inner diameter Ø(mm)	Lmin (mm)	Lmax (mm)
6	27.5	37.5
8	27.5	37.5
10	32.5	42.5
12	37.5	47.5
14	37.5	47.5
16	42.5	52.5
18	42.5	52.5
20	42.5	52.5
25	51.0	61.0
32	55.0	65.0

Only for THCG & THCS product lines.
Must check the specification
for each product.

Table 2. Clamping screw recommended tightening torque

Inner diameter Ø(mm)	Tightening torque (Nm)
All diameter	5.5

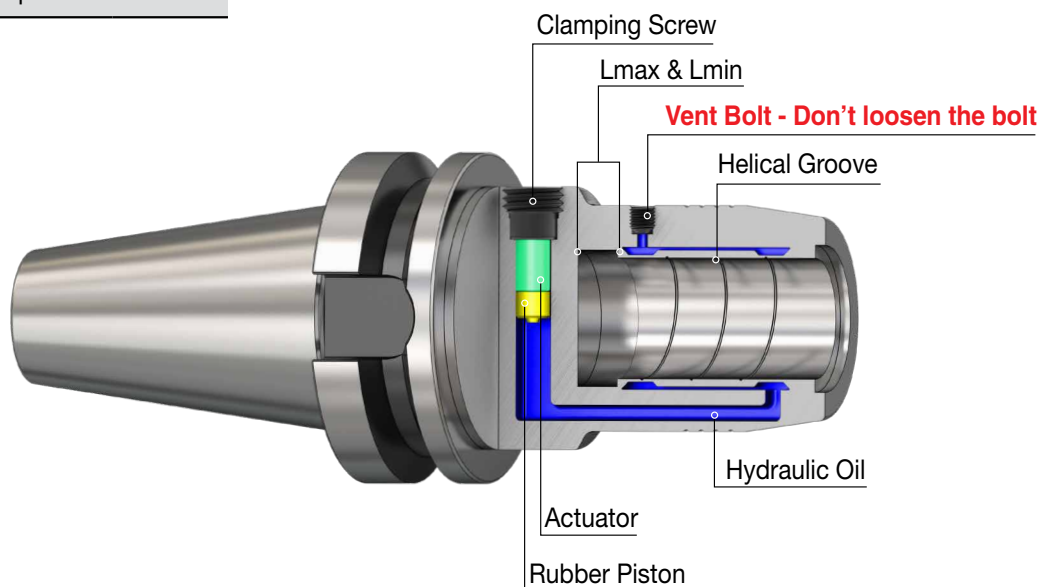
Table 3. Clamping screw wrench size

Inner diameter Ø(mm)	Wrench size (mm)
6-18	4.0
20-32	5.0



Table 4. Torque transmission

Inner diameter Ø(mm)	Torque transmission (Nm)
6	16
8	23
10	45
12	90
14	110
16	185
18	280
20	430
25	650
32	900



Item list

Phase out	
4652945	DIN69871 40 THC 6-65
4652946	DIN69871 40 THC 8-65
4652947	DIN69871 40 THC 10-95
4652948	DIN69871 40 THC 12-95
4652949	DIN69871 40 THC 14-95
4652950	DIN69871 40 THC 16-95
4652951	DIN69871 40 THC 18-95
4654098	DIN69871 40 THC 25-135
4652953	DIN69871 50 THC 12-90
4652954	DIN69871 50 THC 16-90
4652955	DIN69871 50 THC 20-120
4653236	DIN69871 50 THC 20-150
4654097	DIN69871 50 THC 25-135
4652956	DIN69871 50 THC 32-135
4654755	DIN69871 50 THC 32-150
4652752	BT30 THC 6-70
4652110	BT30 THC 10-75
4652284	BT30 THC 12-85
4652113	BT30 THC 14-85
4652111	BT30 THC 16-90
4652283	BT30 THC 20-85
4652689	BT30 THC 20-90
4652793	BT40 THC 6-65
4651816	BT40 THC 6-95
4652936	BT40 THC 8-95
4652937	BT40 THC 10-95
4652938	BT40 THC 12-95
4652939	BT40 THC 14-95
4654958	BT40 THC 16-140
4652940	BT40 THC 16-95
4652860	BT40 THC 20-95
4655295	BT40 THC 25-100
4655296	BT40 THC 25-135
4654914	BT50 THC 6-120
4654915	BT50 THC 6-90
6172557	BT50 THC 8-120
6172556	BT50 THC 8-90
4654907	BT50 THC 10-120
4654908	BT50 THC 10-90
4654909	BT50 THC 12-120
4652941	BT50 THC 12-90
4654910	BT50 THC 14-90
4652942	BT50 THC 16-90
4652943	BT50 THC 20-120
4654756	BT50 THC 20-140
4653237	BT50 THC 20-150
4654911	BT50 THC 25-150
4654912	BT50 THC 32-115
4652944	BT50 THC 32-135
4654757	BT50 THC 32-150
4654913	BT50 THC 32-90



Phase in	
6282274	DIN69871 40 THCG 6-80.5
6282252	DIN69871 40 THCG 8-80.5
6282253	DIN69871 40 THCG 10-80.5
6282254	DIN69871 40 THCG 12-80.5
6282255	DIN69871 40 THCG 16-80.5
6282256	DIN69871 40 THCG 20-80.5
6282257	DIN69871 40 THCG 25-80.5
6282258	DIN69871 40 THCG 32-80.5
Available upon a request	
6282230	BT30 THCG 6-70
6282231	BT30 THCG 8-70
6282232	BT30 THCG 10-75
6282233	BT30 THCG 12-75
6282235	BT30 THCG 16-90
6282236	BT30 THCG 20-90
6282237	BT40 THCG 6-90
6282238	BT40 THCG 8-90
6282239	BT40 THCG 10-90
6282240	BT40 THCG 12-90
6282241	BT40 THCG 16-90
6282242	BT40 THCG 20-90
6282243	BT40 THCG 25-100
6282244	BT40 THCG 32-105
6282245	BT50 THCG 6-90
6283953	BT50 THCG 10-140
6282246	BT50 THCG 10-90
6282247	BT50 THCG 12-90
6283954	BT50 THCG 16-120
6282248	BT50 THCG 16-90
6283955	BT50 THCG 20-120
6282249	BT50 THCG 20-90
6282250	BT50 THCG 25-105
6283956	BT50 THCG 25-150
6282251	BT50 THCG 32-115
6283957	BT50 THCG 32-150

Item list

Phase out	
4652912	HSK A 50 THC 10-75
4652914	HSK A 50 THC 16-90
4652996	HSK A 50 THC 20-90
4652915	HSK A 63 THC 6-70
4652917	HSK A 63 THC 10-80
4652918	HSK A 63 THC 12-85
4654495	HSK A 63 THC 14-85
4652919	HSK A 63 THC 16-90
4652920	HSK A 63 THC 20-90
4652921	HSK A 63 THC 25-120
4653626	HSK A 100 THC 6-75
4655011	HSK A 100 THC 8-75
4654412	HSK A 100 THC 10-90
4652923	HSK A 100 THC 12-95
4654385	HSK A 100 THC 16-100
4653625	HSK A 100 THC 18-100
4652924	HSK A 100 THC 20-105
4654870	HSK A 100 THC 25-110
4652925	HSK A 100 THC 32-110
4652926	HSK E 40 THC 6-70
4652927	HSK E 40 THC 8-70
4652928	HSK E 40 THC 10-75
4652929	HSK E 40 THC 12-80
4652932	HSK E 50 THC 10-80



Phase in	
Available upon a request	
6282222	HSK A 63 THCG 6-70
6282223	HSK A 63 THCG 8-70
6282224	HSK A 63 THCG 10-80
6282225	HSK A 63 THCG 12-85
6282226	HSK A 63 THCG 16-90
6282227	HSK A 63 THCG 20-90
6282228	HSK A 63 THCG 25-120
6282229	HSK A 63 THCG 32-125
6283963	HSK A 100 THCG 6-160
6283973	HSK A 100 THCG 6-200
6283964	HSK A 100 THCG 8-160
6283974	HSK A 100 THCG 8-200
6283965	HSK A 100 THCG 10-160
6283975	HSK A 100 THCG 10-200
6283966	HSK A 100 THCG 12-160
6283976	HSK A 100 THCG 12-200
6283967	HSK A 100 THCG 14-160
6283977	HSK A 100 THCG 14-200
6283968	HSK A 100 THCG 16-160
6283978	HSK A 100 THCG 16-200
6283969	HSK A 100 THCG 18-160
6283979	HSK A 100 THCG 18-200
6283970	HSK A 100 THCG 20-160
6283980	HSK A 100 THCG 20-200
6283971	HSK A 100 THCG 25-160
6283981	HSK A 100 THCG 25-200
6283972	HSK A 100 THCG 32-160
6283982	HSK A 100 THCG 32-200
Available upon a request	

Availability

In stock

Price

Available in the GAL system

Sincerely,
TaeguTec

Sung Chang-ho

Hole-Making
Adviser

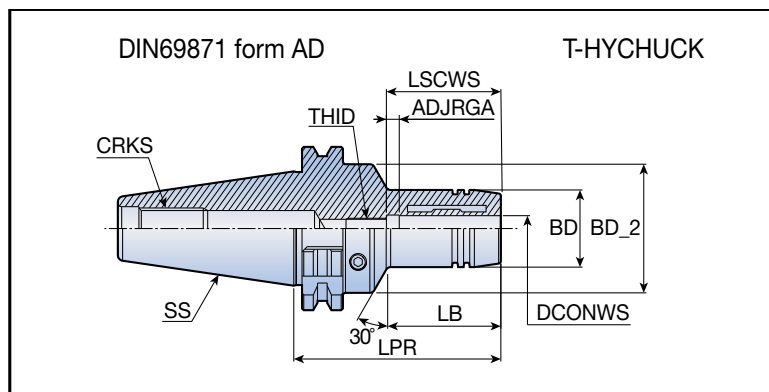
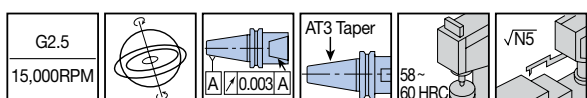
Sincerely,
TaeguTec

Cheon Dae-jun

Round Tool & Tooling
Product Manager

DIN69871-THCG

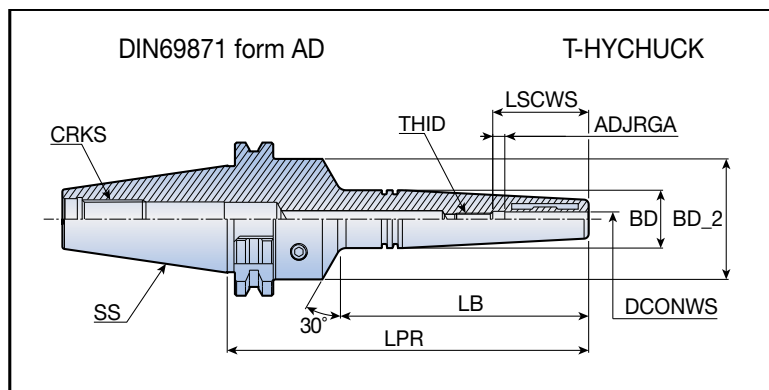
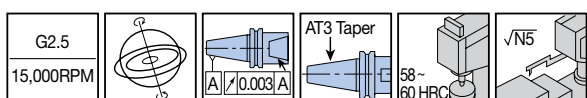
General hydraulic chucks

[illegible]

- Consult the user guide for relevant information including: insertion depth and proper use
- Clamping wrench should be ordered separately

Hex size	Wrench	Torque wrench
4.0	T-W 4	THC-4.0(5.5NM)
5.0	T-W 5	THC-5.0(5.5NM)

Slim hydraulic chucks

[illegible]

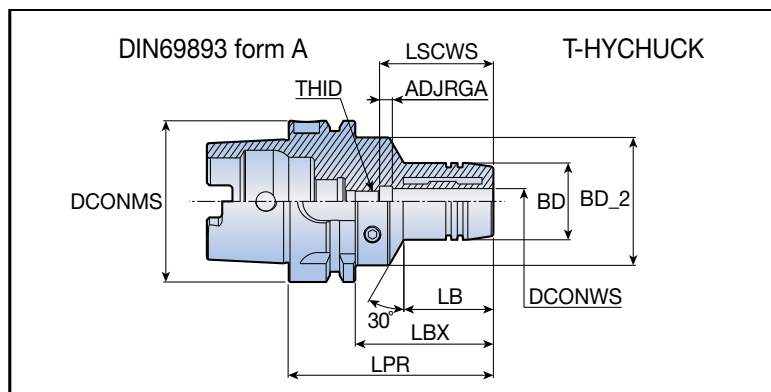
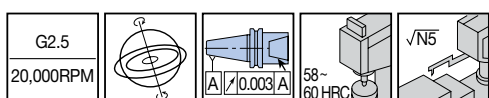
- Consult the user guide for relevant information including: insertion depth and proper use
- Clamping wrench should be ordered separately

Hex size	Wrench	Torque wrench
4.0	T-W 4	THC-4.0(5.5NM)
5.0	T-W 5	THC-5.0(5.5NM)

HSK A-THCG



General hydraulic chucks



Designation		Dimension (mm)									
		DCONMS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID	Hex key
HSK A 63	THCG 6-70	63	6	26	50	70	24	10	37.5	M5X0.8	4.0
	THCG 8-70	63	8	28	50	70	24	10	37.5	M6X1.0	4.0
	THCG 10-80	63	10	30	50	80	35	10	42.5	M8X1.0	4.0
	THCG 12-85	63	12	32	50	85	40	10	47.5	M10X1.0	4.0
	THCG 16-90	63	16	38	50	90	46	10	52.5	M12X1.0	4.0
	THCG 20-90	63	20	42	50	90	48	10	52.5	M16X1.0	5.0
	THCG 25-120	63	25	50	-	120	-	10	61.0	M16X1.0	5.0
	THCG 32-125	63	32	60	52.5	125	-	10	65.0	M16X1.0	5.0
HSK A 100	THCG 6-160	100	6	26	50	160	104	10	37.5	M5X0.8	4.0
	THCG 6-200	100	6	26	50	200	144	10	37.5	M5X0.8	4.0
	THCG 8-160	100	8	28	50	160	104	10	37.5	M6X1.0	4.0
	THCG 8-200	100	8	28	50	200	144	10	37.5	M6X1.0	4.0
	THCG 10-160	100	10	30	50	160	105	10	42.5	M8X1.0	4.0
	THCG 10-200	100	10	30	50	200	145	10	42.5	M8X1.0	4.0
	THCG 12-160	100	12	32	50	160	105	10	47.5	M10X1.0	4.0
	THCG 12-200	100	12	32	50	200	145	10	47.5	M10X1.0	4.0
	THCG 14-160	100	14	34	50	160	107	10	47.5	M10X1.0	4.0
	THCG 14-200	100	14	34	50	200	147	10	47.5	M10X1.0	4.0
	THCG 16-160	100	16	38	50	160	107	10	52.5	M12X1.0	4.0
	THCG 16-200	100	16	38	50	200	147	10	52.5	M12X1.0	4.0
	THCG 18-160	100	18	40	50	160	108	10	52.5	M12X1.0	4.0
	THCG 18-200	100	18	40	50	200	148	10	52.5	M12X1.0	4.0
	THCG 20-160	100	20	42	50	160	108	10	52.5	M16X1.0	5.0
	THCG 20-200	100	20	42	50	200	148	10	52.5	M16X1.0	5.0
	THCG 25-160	100	25	57	63	160	110	10	61.0	M16X1.0	5.0
	THCG 25-200	100	25	57	63	200	150	10	61.0	M16X1.0	5.0
	THCG 32-160	100	32	63	75	160	110	10	65.0	M16X1.0	5.0
	THCG 32-200	100	32	63	75	200	150	10	65.0	M16X1.0	5.0

- ▶ Consult the user guide for relevant information including: insertion depth and proper use
- ▶ Clamping wrench should be ordered separately

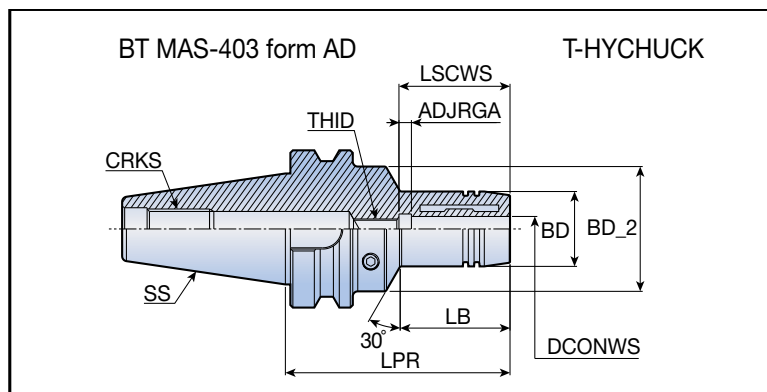
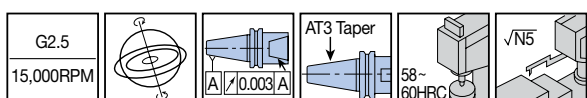
Hex size	Wrench	Torque wrench
4.0	T-W 4	THC-4.0(5.5NM)
5.0	T-W 5	THC-5.0(5.5NM)

TaeguTec
Member IMC Group

BT-THCG



General hydraulic chucks

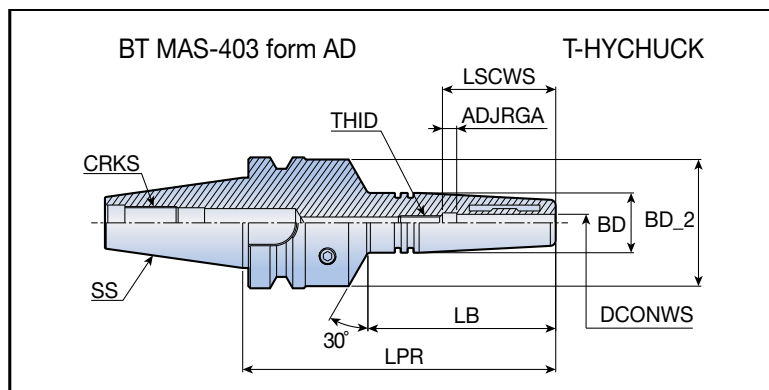


Designation	Dimension (mm)									
	SS	DCONWS	BD	BD_2	LPR	LB	ADJRGA	LSCWS	THID	Hex key
BT30	THCG 6-70	30	6	26	44.5	70	28	10	37.5	M5X0.8 4.0
	THCG 8-70	30	8	28	44.5	70	28	10	37.5	M6X1.0 4.0
	THCG 10-75	30	10	30	44.5	75	36	10	42.5	M8X1.0 4.0
	THCG 12-75	30	12	32	44.5	75	36	10	47.5	M10X1.0 4.0
	THCG 16-90	30	16	38	44.5	90	48	10	52.5	M12X1.0 4.0
	THCG 20-90	30	20	42	44.5	90	48	10	52.5	M16X1.0 5.0
BT40	THCG 6-90	40	6	26	50	90	44	10	37.5	M5X0.8 4.0
	THCG 8-90	40	8	28	50	90	44	10	37.5	M6X1.0 4.0
	THCG 10-90	40	10	30	50	90	44	10	42.5	M8X1.0 4.0
	THCG 12-90	40	12	32	50	90	44	10	47.5	M10X1.0 4.0
	THCG 16-90	40	16	38	50	90	48	10	52.5	M12X1.0 4.0
	THCG 20-90	40	20	42	50	90	48	10	52.5	M16X1.0 5.0
	THCG 25-100	40	25	57	-	100	-	10	61.0	M16X1.0 5.0
	THCG 32-105	40	32	62	-	105	-	10	65.0	M16X1.0 5.0
BT50	THCG 6-90	50	6	26	50	90	32	10	37.5	M5X0.8 4.0
	THCG 10-90	50	10	30	50	90	32	10	42.5	M8X1.0 4.0
	THCG 10-140	50	10	30	50	140	44	10	42.5	M8X1.0 4.0
	THCG 12-90	50	12	32	50	90	32	10	47.5	M10X1.0 4.0
	THCG 16-90	50	16	38	50	90	32	10	52.5	M12X1.0 4.0
	THCG 16-120	50	16	38	50	120	48	10	52.5	M12X1.0 4.0
	THCG 20-90	50	20	42	50	90	32	10	52.5	M16X1.0 5.0
	THCG 20-120	50	20	42	50	120	48	10	52.5	M16X1.0 5.0
	THCG 25-105	50	25	57	-	105	-	10	61.0	M16X1.0 5.0
	THCG 25-150	50	25	57	-	150	-	10	61.0	M16X1.0 5.0
	THCG 32-115	50	32	62	-	115	-	10	65.0	M16X1.0 5.0
	THCG 32-150	50	32	62	-	150	-	10	65.0	M16X1.0 5.0

- ▶ Consult the user guide for relevant information including: insertion depth and proper use
- ▶ Clamping wrench should be ordered separately

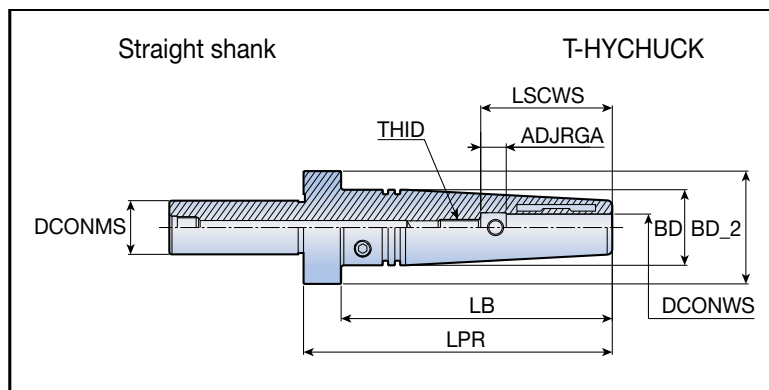
Hex size	Wrench	Torque wrench
4.0	T-W 4	THC-4.0(5.5NM)
5.0	T-W 5	THC-5.0(5.5NM)

THYCHUCK



Hex size	Wrench	Torque wrench
4.0	T-W 4	THC-4.0(5.5NM)
5.0	T-W 5	THC-5.0(5.5NM)

Adjustable hydraulic chucks



TaeguTec
Member IMC Group