

JTP

Cubic Bevel Gearbox

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Descriptions

Modular Design Spiral Bevel Gearboxes with Cubic Housing

- **JTP Series:** Solid shaft input, Solid shaft output.
- **JTPH Series:** Solid shaft input, Hollow shaft output with keyway.
- **JTPF Series:** Input Motor Flange(IEC), Solid shaft output.
- **JTPG Series:** Input Motor Flange(IEC), Hollow shaft output with keyway.

The bevel gearbox offers a robust, powerful and compact design, for right angle power transmission. The practical cubic shape of bevel gearboxes allow universal mounting possibilities on every kind of machines. They are proven in the market for their versatility, very low backlash and low transmission error. The design comprises of ball bearings for quiet operation and tapered bearings for higher radial load capacity. Application in Pulp and paper industry, food processing, off-shore industry, mining and mineral industry, paper machine drives, pulper drives, blowers, pumps, vacuum pump drives and flooding pump stations.

Key Features

- Ultra Compact Design. All-round machined symmetrical housing, and all-round tapped holes for universal mounting, 6 possible mounting positions.
- Gear ratios of 1:1, 1.5:1, 2:1, 3:1, 4:1 and 5:1 are actual ones.
- Power Ratings up to 156 kW. Torque Ratings up to 1199 N.m.
- Gear transmission average efficiency up to 94%.
- 2-way, 3-way and 4-way Configurations. Allows both horizontal and vertical shafts. Custom 5-way.
- Solid Shaft, Hollow Shaft, and Direct motor mount or via motor flanges.
- Various Shafts Arrangements, Rotation Directions and Mounting Positions available.
- High efficiency, high transmission capacity, low backlash, noiseless operation, low running temperature and long service life.

Ambient Conditions

- Installation site: Indoor
- Ambient temperature: -10°C to 50°C
- Humidity: 95% or less
- Altitude: 1,000 m or lower
- Atmosphere: There shall be no corrosive or explosive gas, vapor, and dew condensation, and there shall be minimal dust.

Materials

We use the best materials to guarantee the performance and lifetime of the bevel gearboxes that you purchased.

Housing

- HT250 Cast Iron, High-strength Casting housing(JTP90 - JTP280). Aluminum alloy housing (JTP65 - JTP140). Cube-shaped, all-round machined symmetrical housing. Custom Stainless Steel 304 or 316 (Corrosion-resistant Stainless Steel Gearbox).

Spiral Bevel Gears

- High purity rugged alloy steel 20CrMnTi, Carburizing and Quenching, Case Hardened and Lapped in Pairs.

Input Shaft and Output Shaft

- Hardened and tempered alloy steel 40Cr as standard. Custom Stainless Steel 304 or 316 (Corrosion-resistant Stainless Steel Gearbox).

Bearing

- Equipped with Tapered Roller Bearings with heavy load capacity. Custom reinforced bearings for higher radial and axial load. Custom corrosion resistant stainless steel bearings.

Oil Seals

- Double-lip Oil Seal, High Dust-proof and Oil leak proof.

Lubricants

- Applications with high speeds and/or high daily duty cycle, Gear oil #320 lubrication is recommended. But applications with low input speed and low daily duty cycle, #0 or #00 lithium grease is recommended. All aluminum alloy gearboxes models (JTP65 - JTP140) with #00 lithium grease for lubrication.

- **Note:** For input speeds 1500 rpm a change in oil level may be required in combination with a breather(vent)

Materials





Selection Guide

Calculation Formulas

- (01) Gear Ratio = Input Speed (rpm) / Output Speed (rpm)
- (02) Required Output Torque (N.m)
 - Calculate the Corrected Output Torque (N.m) = Required Output Torque (N.m) x f_i
 - Calculate the Corrected Output Power (kW) = Required Output Torque (N.m) x Output Speed (rpm) / 9550.
 - Calculate the Input Power (kW) = Output Power (kW) / Efficiency (Gearbox efficiency is 95% after initial running in).

The ratings for bevel gearboxes in this catalogue are based on a service factor of 1.00. For other operating conditions, the application power or torque must be multiplied by the appropriate service factor, to determine the equivalent gear drive power rating. A bevel gearbox should be selected with a rated capacity equal to or greater than the equivalent rating. Below table designates recommended Service Factors for various conditions of load, power source, and duration of service.

● **Service Factors f_i**

Driven Machine Load Characteristic	Operating Time per Day		
	≤ 2 hours	2-10 hours	10-24 hours
Uniform (Light Shocks)	1.00 (1.00)	1.00 (1.25)	1.25 (1.50)
Medium Shocks	1.00 (1.25)	1.25 (1.50)	1.50 (1.75)
Heavy Shocks	1.25 (1.50)	1.50 (1.75)	1.75 (2.00)

- **Note:** please use these data inside the brackets when “frequent starts and stops” refers to more than 10 starts per hour.
- **Note:** time specified for intermittent and occasional service refers to total operating time per day.
- * **Uniform (Light Shocks) driven machine:** generators, conveyor belts, apron conveyor, ventilators, agitators and mixers for uniform densities, filling and packing stations, gear wheel pumps, feed servos of machine tools, filling machines, elevators, light screw conveyors, light conveyor belts, blowers, small agitators, control machines, assembly lines, auxiliary drives for machine tools, centrifuges, packaging machinery.
- * **Medium Shocks driven machine:** lifts, swing gear on cranes, pit ventilators, agitators and mixers for unequal densities, piston pumps, timber processing machines, paper processing machines, winches, auxiliary drives in ships, textile machines, reel winders, plate conveyors, calenders, balancing machines, heavy-duty conveyor belts, sheet metal bending machines, road-building machinery, planing machines, shears, extruders, main drives for machine tools, kneading machines, weaving looms, light table rollers.
- * **Heavy Shocks driven machine:** punches, shears, rolling and smelting machines, heavy-duty centrifuges, heavy-duty supply pumps, edge runners, vibrating machines, cutting machines, brick works machines, heavy-duty lifts, excavators, heavy-duty mixers, presses, muller mixers, rolling mills, heavy-duty table rollers, cold reduction mills, stone crushers, eccentric presses, cutter heads, folding machines, rubber belt conveyors (batch loads), bark peeling drums, run ning gears, punching presses, piston pumps, rotary furnaces, mills, plate filters.

Selection Guide

- (03) Duty Cycle per Hour (% Running time) = working time (minutes) ÷ 60 minutes
- (04) Thermal Power Limit (P_T)

After the gearbox size has been determined, it is necessary to verify the thermal operating conditions, which means to verify if the selected gearbox can operate in the required conditions without risk of over-heating of the oil lubricant and of the components.

Each gearbox has a **Thermal Power Limit P_T**, which is determined based on an ambient temperature of 20°C and duty cycle of 100% per hour value stated in the table at the bottom of this page, which must not be exceeded without a controlled and forced cooling. In case of risk of exceeding the thermal power limit, the bevel gearboxes should be always lubricated exclusively with oil instead of grease. Or a larger gearbox must be selected and a check run on the other parameters.

In order to consider the real environment conditions, if different from 20°C, and the duty cycle, if different from the reference one, two factors are introduced which modify the thermal power limit, allowing the calculation of the **Corrected Thermal Power Limit P_{Te}**

$$P_{Te} = P_T \times f_T \times f_i$$

P_{Te} > P_A (Natural Cooling)

P_{Te} < P_A (Fan Cooling or Oil Cooling)

P_{Te} = Corrected Thermal Power Limit (kW)

P_T = Thermal Power Limit (kW)

P_A = Actually Required Operating Power (kW)

f_T = Ambient Temperature Factor

f_i = Duty Cycle Factor referred to continuous operating over 3 hours (period of time considered to determine the thermal power limit)

● **Ambient Temperature Factor f_T**

Ambient Temperature °C	0	10	20	30	40	50	60
f _T	1.3	1.2	1	0.87	0.75	0.62	0.5

● **Duty Cycle Factor f_i**

Duty cycle per hour is the percentage of the time per hour during which the gearbox will be on-load

Duty Cycle per Hour (%)	100	80	60	40	20	10
f _i	1	1.2	1.4	1.6	1.8	2

● **Thermal Power Limit (P_T)**

* The selected bevel gearbox must not exceed the value of the **Corrected Thermal Power Limit P_{Te}**, referred to the same gearbox, otherwise the oil lubricant should be cooled.

* The capacity of some gearboxes is limited by the maximum permissible temperature of the oil bath. The charts below show the **Thermal Power Limit P_T**, which can be transferred without cooling at an ambient temperature of 20°C and duty cycle of 100% per hour.

Model	JTP90	JTP110	JTP140	JTP170	JTP210	JTP240	JTP280
P _T (kW)	4.5	6.8	11	15.5	24	31	44

■ **WARNING:** The case temperature must not exceed 80°C.



Selection Guide

Sample Part Number (Example):

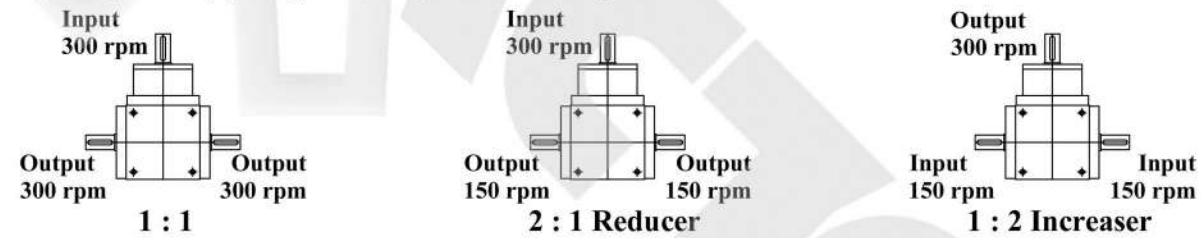
JTP90 - 2:1 - 300R - 150R - A - B3
 (1) (2) (3) (4) (5) (6)

- JTP Series: Solid shaft input, Solid shaft output.
- JTPH Series: Solid shaft input, Hollow shaft output with keyway.
- JTPF Series: Input Motor Flange(IEC), Solid shaft output.
- JTPG Series: Input Motor Flange(IEC), Hollow shaft output with keyway.

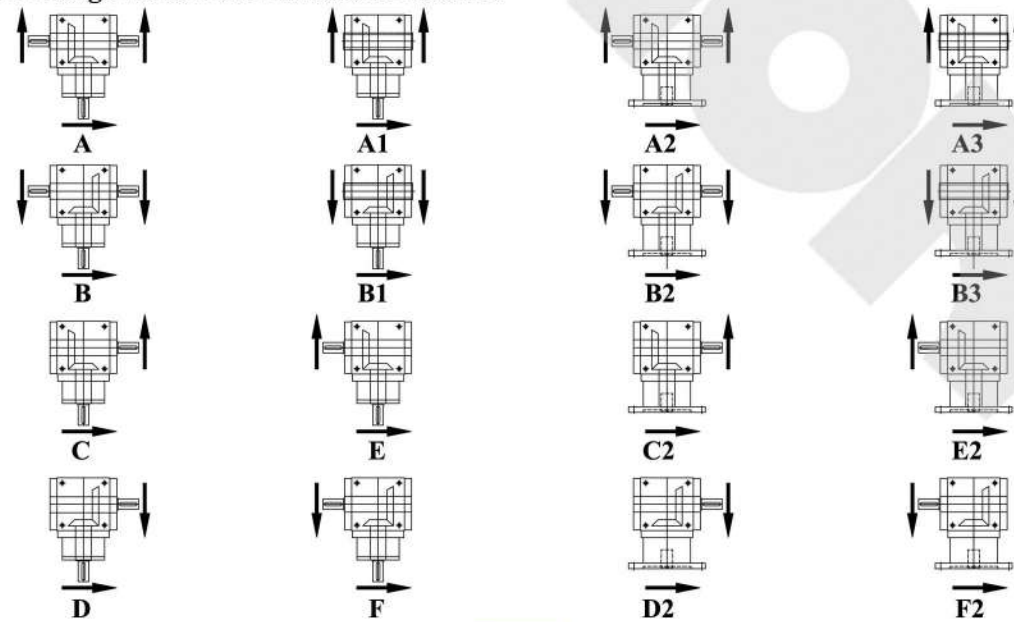
■ (1) Model & (2) Gear Ratios

Model	JTP65	JTP90	JTP110	JTP140	JTP170	JTP210	JTP240	JTP280
	JTPH65	JTPH90	JTPH110	JTPH140	JTPH170	JTPH210	JTPH240	JTPH280
Input & Output Shafts Dia.(mm)	13	18	22	32	40	45	55	60
Gear Ratios	1:1, 2:1	1:1, 1.5:1, 2:1, 3:1, 4:1, 5:1	1:1, 1.5:1, 2:1, 3:1, 4:1, 5:1	1:1, 1.5:1, 2:1, 3:1, 4:1, 5:1	1:1, 1.5:1, 2:1, 3:1, 4:1, 5:1	1:1, 1.5:1, 2:1, 3:1, 4:1, 5:1	1:1, 1.5:1, 2:1, 3:1, 4:1, 5:1	1:1, 1.5:1, 2:1, 3:1, 4:1, 5:1
Max. Torque (Nm) Under 1500RPM	9.1	40	70	150	250	430	570	990
Max. Power (kW)	1.1	6.0	11.0	23.9	39.2	67.5	90.5	156

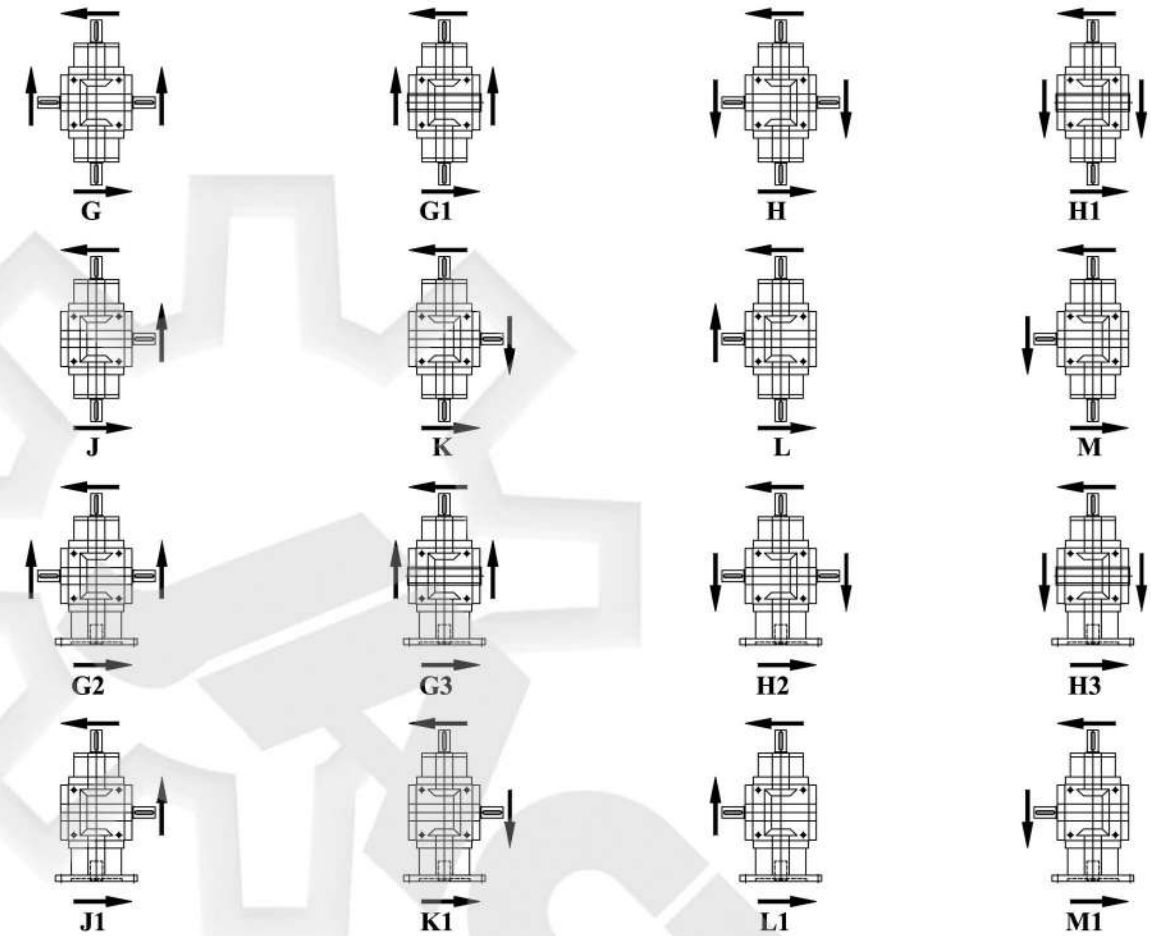
■ (3) Input Speed & (4) Output Speed, Below is Sample



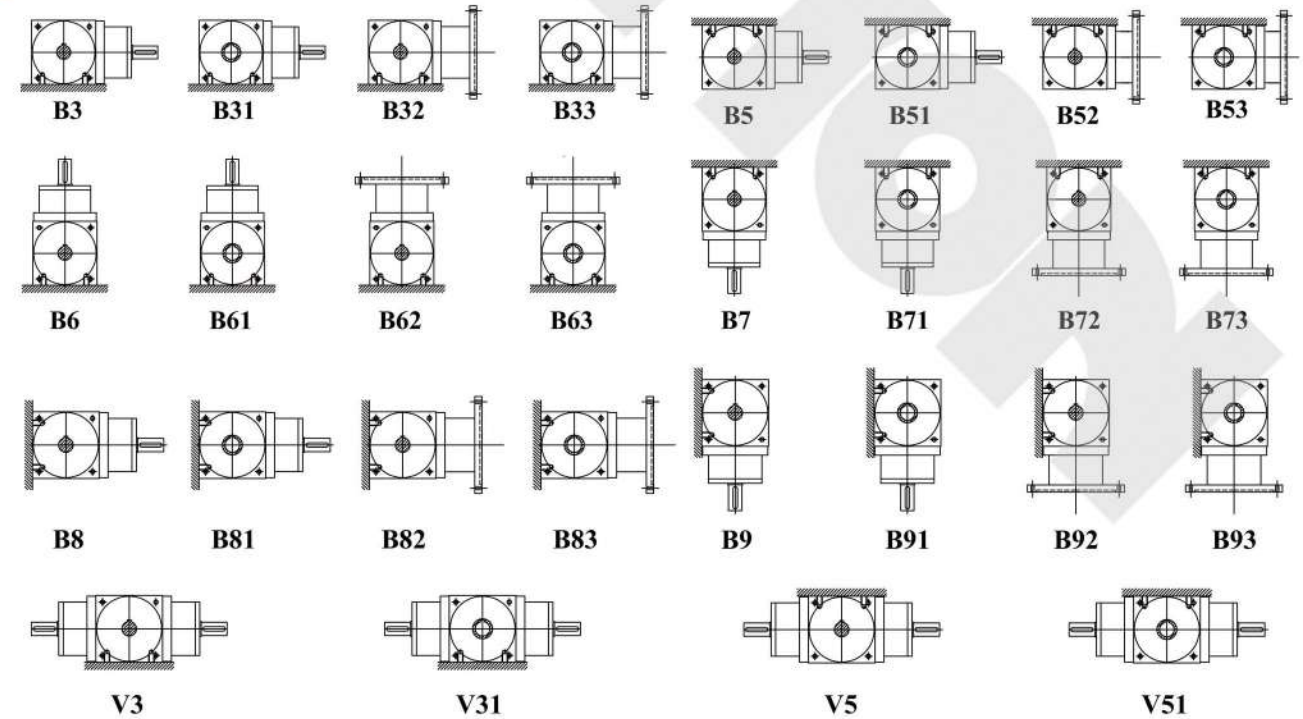
■ (5) Shaft Arrangements And Rotation Directions



Selection Guide



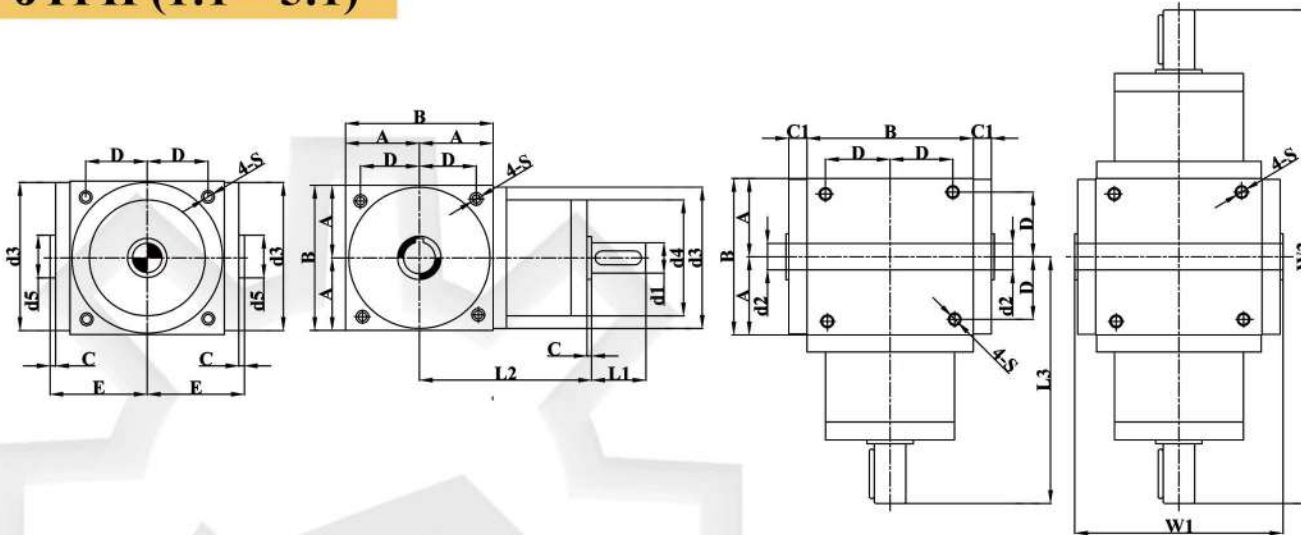
■ (6) Mounting Positions





Overall Dimensions

JTPH (1:1 ~ 5:1)



Gear Ratio	1 : 1~5 : 1		1 : 1 2 : 1		3 : 1		4 : 1		5 : 1		1 : 1 2 : 1 3 : 1		
	Model	B	d2(H7)	d5	d1(h7)	L1	d1(h7)	L1	d1(h7)	L1	d1(h7)	L1	d4
JTPH65	65	13	20	13	19.5								63
JTPH90	90	16	25	18	35	16	30	11	23	11	23		62
JTPH110	110	22	35	22	40	20	35	16	30	14	25		81
JTPH140	140	28	45	32	50	26	45	20	35	16	30		98
JTPH170	170	38	55	40	60	32	50	26	45	22	40		118
JTPH210	210	45	65	45	70	38	55	32	50	30	50		128
JTPH240	240	55	75	55	85	45	70	35	55	35	55		138
JTPH280	280	60	85	60	110	50	80	45	70	42	70		150

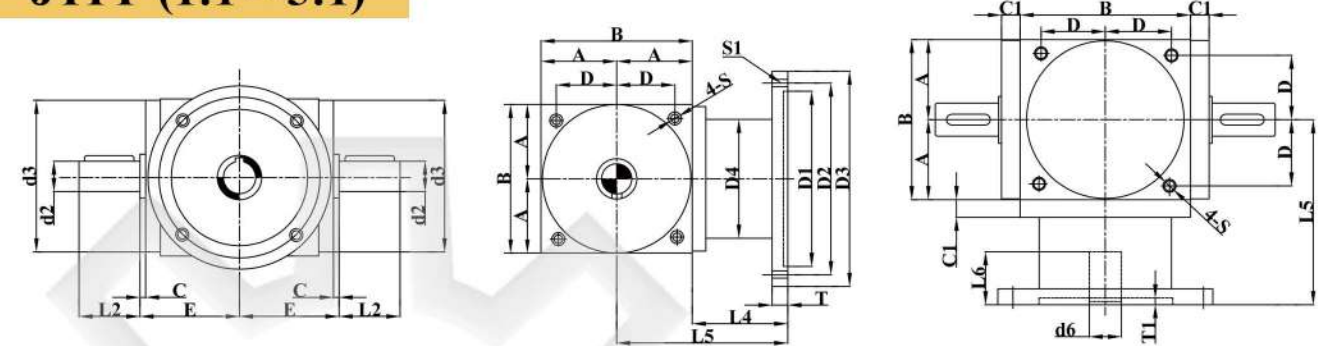
• Note: The Metric Key and Keyway Sizes are following the international standard.

Gear Ratio	4 : 1 5 : 1								1 : 1 2 : 1		1 : 1~5 : 1		1 : 1 2 : 1	
	Model	d4	d3(h7)	C	C1	D	E	A	L2	L3	S	W1	W2	
JTPH65		63	2	13	27	47.5	32.5	76	95.5	M4	95	191		
JTPH90		62	88	2	12	36	59	45	97	132	M6	118	264	
JTPH110		72	108	2	12	44	69	55	112	152	M8	138	304	
JTPH140		81	135	2	15	55	87	70	132	184	M10	174	364	
JTPH170		98	165	3	15	67	103	85	158	218	M12	206	436	
JTPH210		110	205	2	18	85	125	105	195	265	M16	250	530	
JTPH240		120	235	2	18	95	140	120	220	305	M16	280	610	
JTPH280		135	275	2	18	110	160	140	255	365	M16	320	730	

*. Dimensions are subject to change without notice

Overall Dimensions

JTPF (1:1 ~ 5:1)



Model	B	d2(h7)	d3(h7)	A	C	C1	D	E	L2	L4	L5
JTPF90	90	18	88	45	2	12	36	59	35	65	110
JTPF110	110	22	108	55	2	12	44	69	40	75	130
JTPF140	140	32	135	70	2	15	55	87	50	102	170
JTPF170	170	40	165	85	3	15	67	103	60	130	215
JTPF210	210	45	205	105	2	18	85	125	70	140	245
JTPF240	240	55	235	120	2	18	95	140	85	145	265
JTPF280	280	60	275	140	2	18	110	160	110	175	315

• Note: The Metric Key and Keyway Sizes are following the international standard.

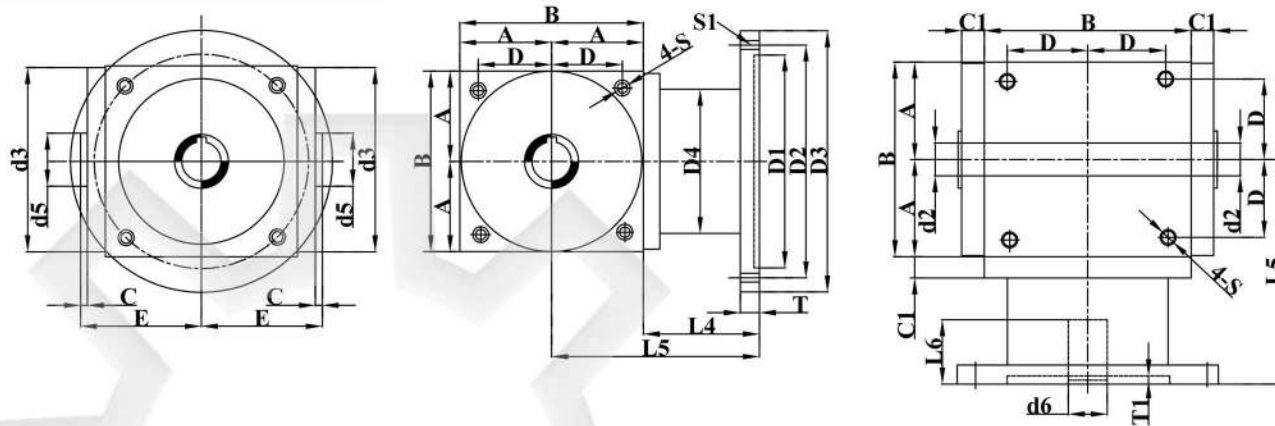
Gear Ratio	1 : 1 / 2 : 1				1 : 1 / 2 : 1				
	Model	D1 x D2 x D3	T1	T	D4	d6 x L6	S	S1	IEC Flange Code
JTPF90		Φ80 x Φ100 x Φ120	3.5	11	76	9x23	M6	4xM6	56B5
		Φ95 x Φ115 x Φ140	3.5	11		11x26	M6	4xM8	63B5
		Φ110 x Φ130 x Φ160	4.0	11		14x33	M6	4xM8	71B5
JTPF110		Φ95 x Φ115 x Φ140	3.5	11	82	11x26	M8	4xM8	63B5
		Φ110 x Φ130 x Φ160	4.0	11		14x33	M8	4xM8	71B5
		Φ130 x Φ165 x Φ200	4.0	14		19x43	M8	4xM10	80B5
JTPF140		Φ130 x Φ165 x Φ200	4.0	14	104	19x43	M8	4xM10	80B5
		Φ130 x Φ165 x Φ200	4.0	14		24x53	M10	4xM10	90B5
		Φ180 x Φ215 x Φ250	4.5	16		28x63	M10	4xM12	100/112B5
JTPF170		Φ130 x Φ165 x Φ200	4.0	14	128	24x53	M12	4xM10	90B5
		Φ180 x Φ215 x Φ250	4.5	16		28x63	M12	4xM12	100/112B5
		Φ230 x Φ265 x Φ300	4.5	16		38x83	M12	4xM12	132B5
JTPF210		Φ180 x Φ215 x Φ250	4.5	16	160	28x63	M16	4xM12	100/112B5
		Φ230 x Φ265 x Φ300	4.5	16		38x83	M16	4xM12	132B5
		Φ250 x Φ300 x Φ350	6	20		42x115	M16	4xM16	160B5
JTPF240		Φ230 x Φ265 x Φ300	4.5	16	170	38x83	M16	4xM12	132B5
		Φ250 x Φ300 x Φ350	6	20		42x115	M16	4xM16	160B5
		Φ250 x Φ300 x Φ350	6	20		48x115	M16	4xM16	180B5
JTPF280		Φ250 x Φ300 x Φ350	6	20	190	42x115	M16	4xM16	160B5
		Φ250 x Φ300 x Φ350	6	20		48x115	M16	4xM16	180B5
		Φ300 x Φ350 x Φ400	6	20		55x115	M16	4xM16	200B5

*. Dimensions are subject to change without notice



Overall Dimensions

JTPG (1:1 ~ 5:1)



Model	B	d2(H7)	d3(h7)	d5	A	C	C1	D	E	L4	L5
JTPG90	90	16	88	25	45	2	12	36	59	65	110
JTPG110	110	22	108	35	55	2	12	44	69	75	130
JTPG140	140	28	135	45	70	2	15	55	87	102	170
JTPG170	170	38	165	55	85	3	15	67	103	130	215
JTPG210	210	45	205	65	105	2	18	85	125	140	245
JTPG240	240	55	235	75	120	2	18	95	140	145	265
JTPG280	280	60	275	85	140	2	18	110	160	175	315

• Note: The Metric Keyway Sizes are following the international standard.

Gear Ratio	1 : 1 / 2 : 1				1 : 1 / 2 : 1				IEC Flange Code
	Model	D1 x D2 x D3	T1	T	D4	d6 x L6	S	S1	
JTPG90		Φ80 x Φ100 x Φ120	3.5	11		9x23	M6	4xM6	56B5
		Φ95 x Φ115 x Φ140	3.5	11	76	11x26	M6	4xM8	63B5
		Φ110 x Φ130 x Φ160	4.0	11		14x33	M6	4xM8	71B5
JTPG110		Φ95 x Φ115 x Φ140	3.5	11		11x26	M8	4xM8	63B5
		Φ110 x Φ130 x Φ160	4.0	11	82	14x33	M8	4xM8	71B5
		Φ130 x Φ165 x Φ200	4.0	14		19x43	M8	4xM10	80B5
JTPG140		Φ130 x Φ165 x Φ200	4.0	14		19x43	M8	4xM10	80B5
		Φ130 x Φ165 x Φ200	4.0	14	104	24x53	M10	4xM10	90B5
		Φ180 x Φ215 x Φ250	4.5	16		28x63	M10	4xM12	100/112B5
JTPG170		Φ130 x Φ165 x Φ200	4.0	14		24x53	M12	4xM10	90B5
		Φ180 x Φ215 x Φ250	4.5	16	128	28x63	M12	4xM12	100/112B5
		Φ230 x Φ265 x Φ300	4.5	16		38x83	M12	4xM12	132B5
JTPG210		Φ180 x Φ215 x Φ250	4.5	16		28x63	M16	4xM12	100/112B5
		Φ230 x Φ265 x Φ300	4.5	16	160	38x83	M16	4xM12	132B5
		Φ250 x Φ300 x Φ350	6	20		42x115	M16	4xM16	160B5
JTPG240		Φ230 x Φ265 x Φ300	4.5	16		38x83	M16	4xM12	132B5
		Φ250 x Φ300 x Φ350	6	20	170	42x115	M16	4xM16	160B5
		Φ250 x Φ300 x Φ350	6	20		48x115	M16	4xM16	180B5
JTPG280		Φ250 x Φ300 x Φ350	6	20		42x115	M16	4xM16	160B5
		Φ250 x Φ300 x Φ350	6	20	190	48x115	M16	4xM16	180B5
		Φ300 x Φ350 x Φ400	6	20		55x115	M16	4xM16	200B5

*. Dimensions are subject to change without notice



Other Products

Cubic Machine Screw Jack

- Cubic design permits any mounting position.
- High static loads, best for slow movement and low duty cycles.
- Static load capacities from 2.5 kN to 500 kN as Standard.
- Translating, Anti-rotation (keyed) and Rotating Screw configurations.
- Self locking trapezoidal screw offers maximum stroke of 7500 mm.
- Power source: Manual operation, Motor drive.
- Single jack, or synchronization of multiple jacks arrangement



Cubic Ball Screw Jack

- Cubic design permits any mounting position.
- High duty cycle, high precision, high speed, less power and long service life.
- Static load capacities from 10 kN to 350 kN as Standard.
- Translating, Anti-rotation and Rotating Screw configurations.
- Not self-locking ball screw offers maximum stroke of 6000 mm.
- Power source: Brake motor drive. Not suited for manual operation.
- Single jack, or synchronization of multiple jacks arrangements.



Classic Machine Screw Jack

- Classic design, no need to attach any construction elements to the housing.
- High static loads, best for slow movement and low duty cycles.
- Static load capacities from 0.5 ton to 100 tons as Standard.
- Translating, Anti-rotation (keyed) and Rotating Screw configurations.
- Self locking trapezoidal screw offers maximum stroke of 7500 mm.
- Power source: Manual operation, Motor drive.
- Single jack, or synchronization of multiple jacks arrangements.



Stainless Steel Screw Jack

- Classic design, no need to attach any construction elements to
- Complete Stainless Steel Screw Jack design.
- High static loads, best for slow movement and low duty cycles.
- Static load capacities from 1 ton to 20 tons as Standard.
- Translating, Anti-rotation (keyed) and Rotating Screw configurations.
- Self locking Stainless Steel trapezoidal screw offers maximum stroke of 7500 mm.
- Power source: Manual operation, Motor drive.
- Single jack, or synchronization of multiple jacks arrangements.



Other Products

Classic Ball Screw Jack

- Classic design, no need to attach any construction elements to the housing.
- High duty cycle, high precision, high speed, less power and long service life.
- Static load capacities from 1 ton to 35 tons as Standard.
- Translating, Anti-rotation and Rotating Screw configurations.
- Not self-locking ball screw offers maximum stroke of 6000 mm.
- Power source: Brake motor drive. Not suited for manual operation
- Single jack, or synchronization of multiple jacks arrangements.



Bevel Gear Machine Screw Jack

- High efficiency, high lifting speed, high duty cycle, long lifespan.
- Spiral bevel gear mechanism are used, with 2:1, 2.5:1 and 3:1 ratios.
- Static load capacities from 400 Kg to 3500 Kg as Standard.
- Translating, Anti-rotation (keyed) and Rotating Screw configurations.
- Self locking trapezoidal screw offers maximum stroke of 6000 mm.
- Power source: Manual operation, Motor drive.
- Single jack, or synchronization of multiple jacks arrangement



Bevel Gear Ball Screw Jack

- Higher efficiency, higher lifting speed, higher duty cycle, longer lifespan.
- Spiral bevel gear mechanism are used, with 2:1, 2.5:1 and 3:1 ratios.
- Static load capacities from 400 Kg to 3500 Kg as Standard.
- Translating, Anti-rotation and Rotating Screw configurations.
- Not self-locking ball screw offers maximum stroke of 6000 mm.
- Power source: Brake motor drive. Not suited for manual operation.
- Single jack, or synchronization of multiple jacks arrangements.



Screw Jack Lifting Systems

- Lifting systems are not limited to the number of screw jacks. Commonly used are 2, 4, 6, 8 jack systems.
- Full synchronization, self-locking, precision positioning, easy installation and operation, maintenance free.
- From a few kilograms to heavy-duty several hundred tons.
- Complete lifting systems with geared motors, shafting and couplings available.
- Power source: Synchronized drive from a single electric motor.
- With Inverter driven motor, soft start and stop, variable lifting speeds are all available.





Other Products

Cubic Bevel Gearbox

- Modular design spiral bevel gearboxes with cubic housing.
- Ultra Compact Design. All-round tapped holes for universal mounting, 6 possible mounting positions.
- Gear ratios of 1:1, 2:1, 3:1, 4:1 and 5:1 are actual ones.
- Power Ratings up to 156 kW. Torque Ratings up to 1199 N.m.
- Gear transmission average efficiency up to 94%.
- 2-way, 3-way and 4-way Configurations.
- Solid Shaft, Hollow Shaft, and Direct motor mount or via motor flanges.
- High efficiency, high transmission capacity, low backlash, Noiseless operation, low running temperature and long service life.



Classic Bevel Gearbox

- Used in pairs case hardened alloy steel spiral bevel gears.
- Gear ratios of 1:1, 1.5:1, 2:1, 2.5:1, 3:1, 4:1 and 5:1 are actual ones.
- Power Ratings up to 335 kW. Torque Ratings up to 5713 N.m.
- Gear transmission average efficiency up to 94%.
- 2-way, 3-way and 4-way Configurations.
- Solid Shaft, Hollow Shaft, and Direct motor mount or via motor flanges.
- Various Shafts Arrangements, Rotation Directions and Mounting Positions available.
- High efficiency, high transmission capacity, low backlash, noiseless operation, low running temperature and long service life.



Lightweight Bevel Gearbox (Aluminium Alloy)

- Quality finished casing by die-casting, in lightweight aluminium alloy.
- Compact design, small-sized, ultra-lightweight, universal mounting.
- Utilizing carburized case-hardened spiral bevel gears
- Gear ratios of 1:1 and 2:1 are actual ones.
- Power Ratings up to 4.94 kW. Torque Ratings up to 40 N.m.
- Gear transmission average efficiency up to 94%
- 2-way and 3-way Configurations.
- High efficiency, low backlash, quiet operation, maintenance free, low running temperature and long service life.



Other Products

Electric Cylinders

- Be basically screw jacks with travelling nut, but with lifting cylinder design.
- High static loads, best for slow movement and low duty cycles.
- Static load capacities from 2.5 ton to 10 tons as Standard.
- Self-locking, precise positioning, and uniform speed.
- Power source: Manual operation, Motor drive.
- Single unit, or synchronization of multiple units.
- A better choice over hydraulic actuators or pneumatic cylinders with this clean alternative, simpler to install, control, low maintenance and a quieter solution.



Electric Linear Actuators

- Parallel or In-Line drive configurations.
- Self-locking ACME screw and nut, driven by an electric motor, through a reduction gearbox.
- Low maintenance due to high-quality grease and enclosed design.
- Load capacities from 100 Kgf to 15 tons as Standard (Parallel)
- Load capacities from 10 Kgf to 1000 Kgf as Standard (In-Line).
- Low noise system, higher dynamic capacity, higher speed capability and longer life.
- Low power consumption and running costs, no oil leaks, contamination or fire risk.
- Easy installation with two trunnion mounting feet, no pipework, powerpack and valves.
- Be a real alternative to pneumatic and hydraulic cylinders.



Customized and molded products

