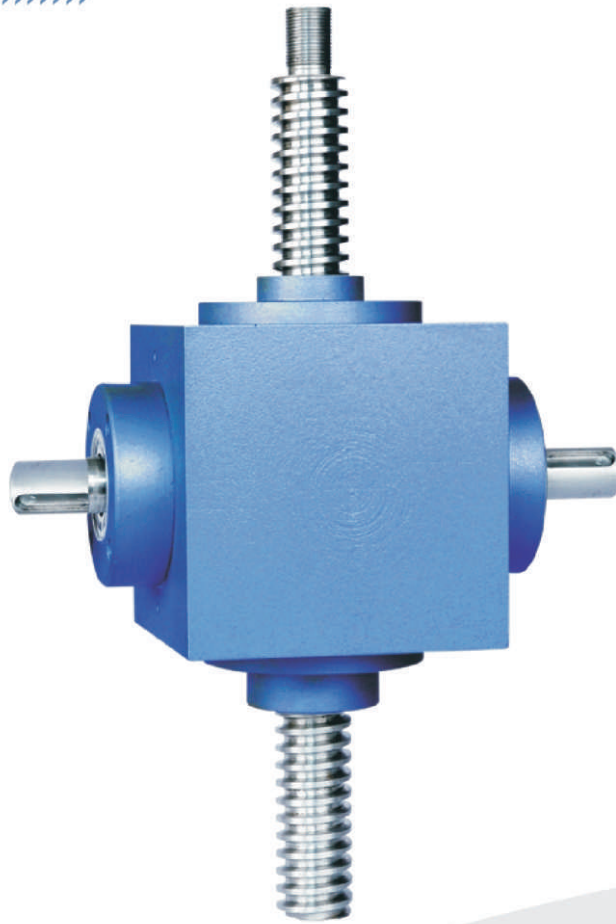


# Bevel Gear Jack - Metric



Dimension Sheet

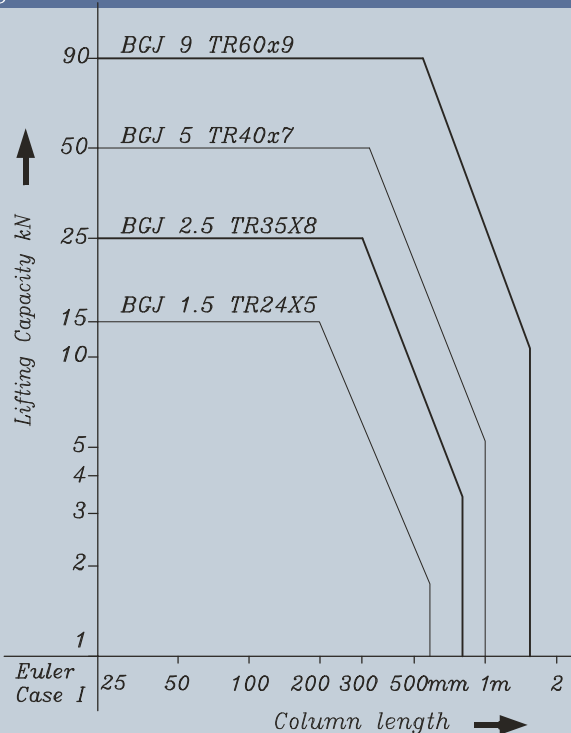


## PRELIMINARY SELECTION GUIDE

### Quick Lifting Bevel Gear Actuator BGJ, Metric Version

Quick Lifting Bevel Gearbox	Standard Quick Lifting Bevel Gearbox Type							
	1.5		2.5		5		9	
Nominal size, BGJ	1.5		2.5		5		9	
Max lifting capacity, kN	15		25		50		90	
Lifting screw Tr	24x5		35x8		40x7		60x9	
Normal N, Slow L	N	L	N	L	N	L	N	L
Ratio	2:1	3:1	2:1	3:1	2:1	3:1	2:1	3:1
Lift per turn at input, at ratio, mm	2.5	1.66	4	2.67	3.5	2.33	4.5	3
Total efficiency, at ratio, %	92	82	92	82	92	82	92	82
Screw efficiency, %	41		43		37		33	
Screw torque at max lifting capacity, Nm	29.5		73.2		153		394	
Input torque at max lifting capacity at ratio, Nm	16	12	39.8	29.8	83.2	62.2	214	160
Max permissible torque at input shaft, Nm	50		125		175		1300	500
Weight without lifting screw and protection tube, kg	9		14		23		85	
Weight per 100mm of screw and protection tube, kg	0.6		0.8		1.5		2.5	
Housing material	LM 25		LM 25		FG 260(GG)		FG 260(GG)	

### Quick Lifting Bevel Gear Actuator BGJ 1.5 to BGJ 9, Metric

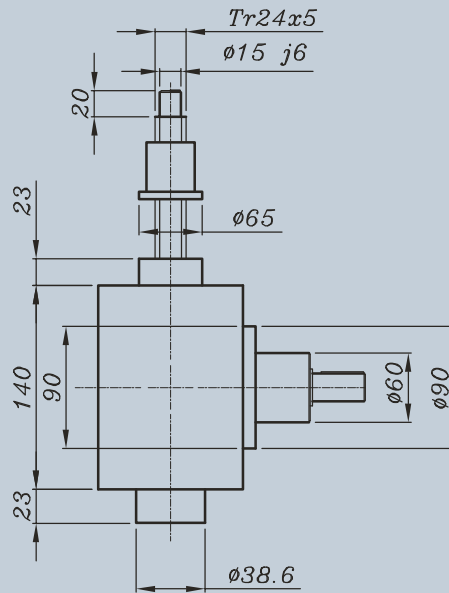
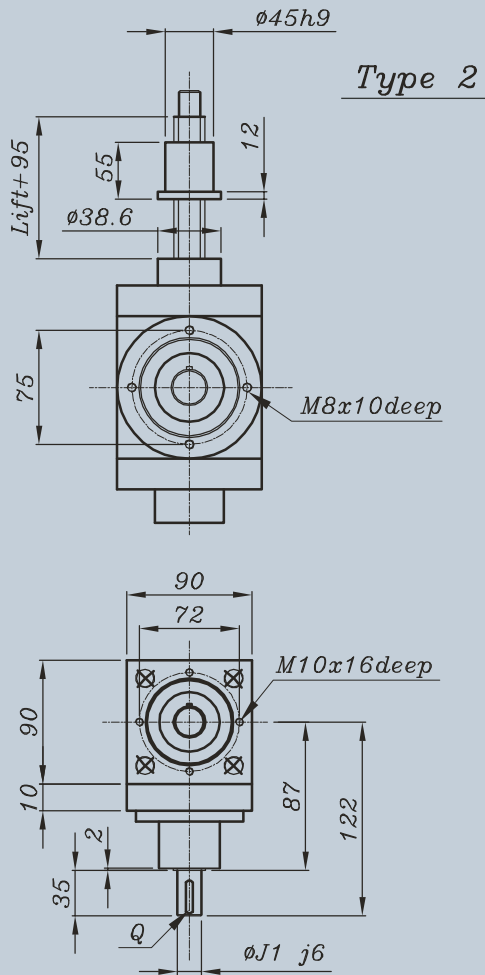


**Note:-**

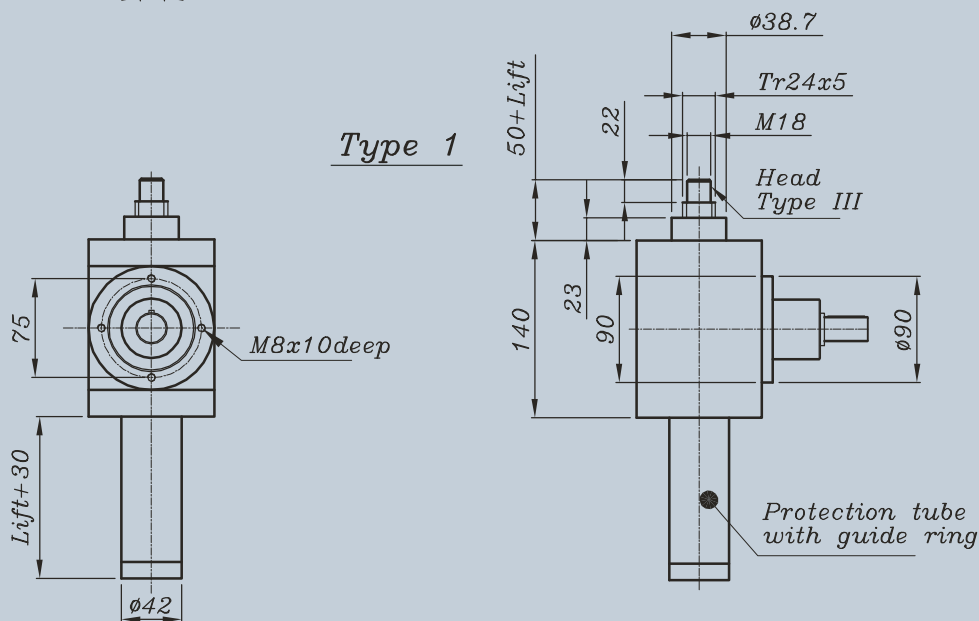
- \* Column length for Euler Case II = Column length for Euler Case I x 2
- \* Column length for Euler Case III = Column length for Euler Case I x 2.82

**DIMENSION SHEET**

**Quick Lifting Bevel Gear Actuator BGJ 1.5**



Ratio	$\phi J1 j6$	Q
2:1	18	6x6x25
3:1	12	4x4x25

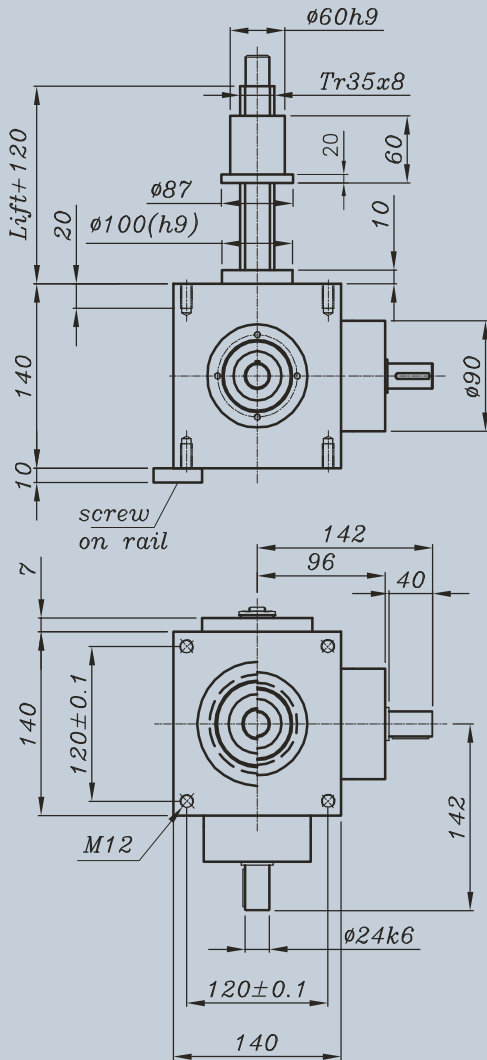




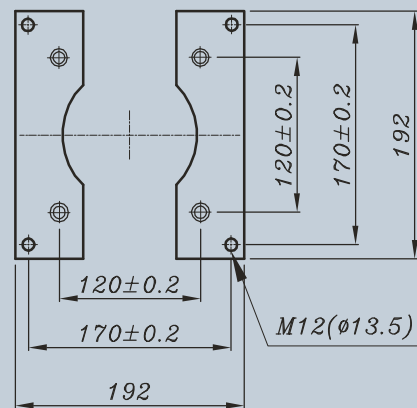
**DIMENSION SHEET**

**Quick Lifting Bevel Gear Actuator BGJ 2.5**

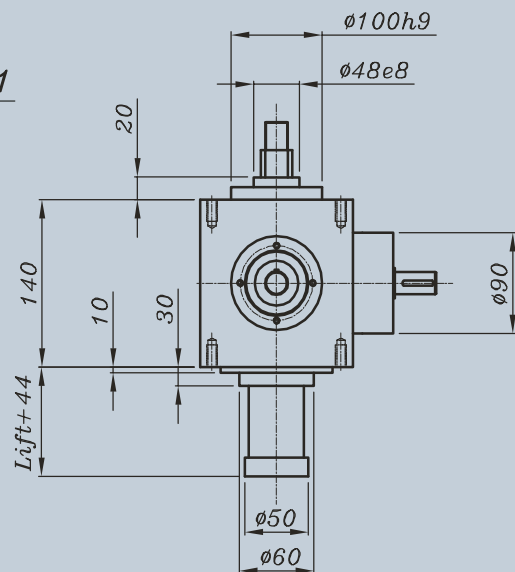
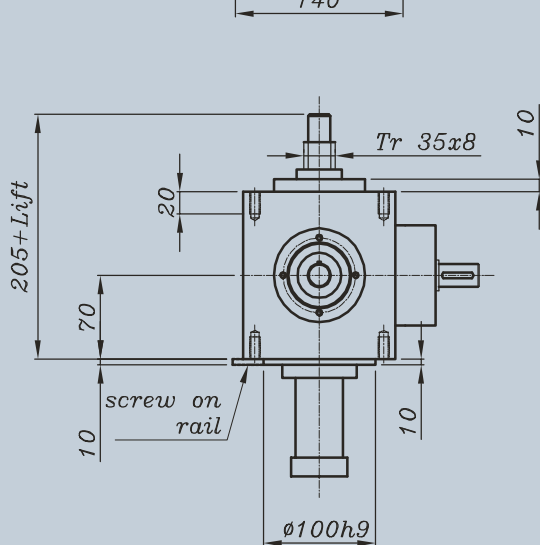
*Type 2*



SCREW-ON RAIL

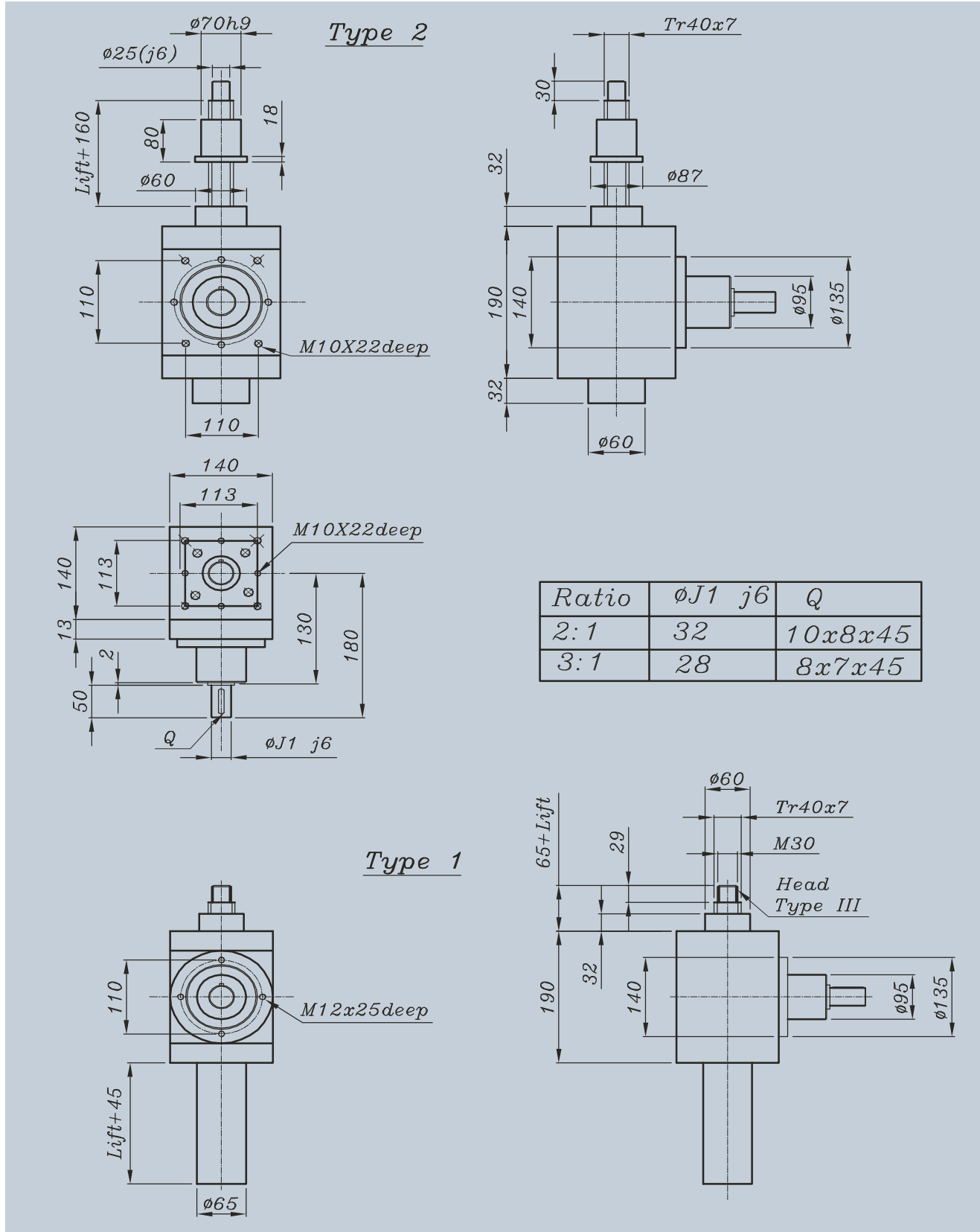


*Type 1*



# DIMENSION SHEET

## Quick Lifting Bevel Gear Actuator BGJ 5

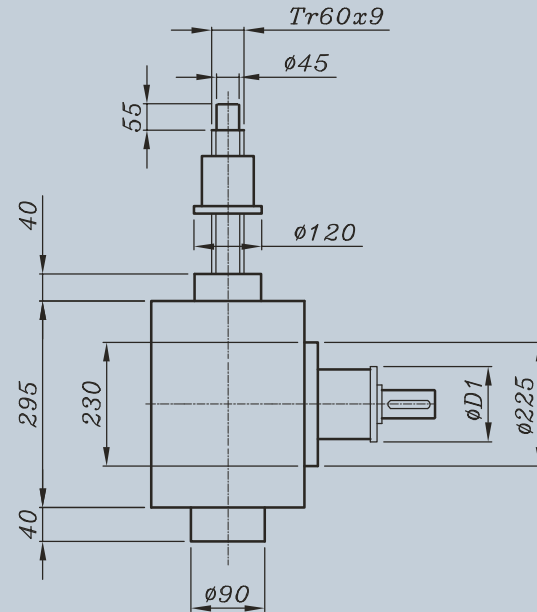
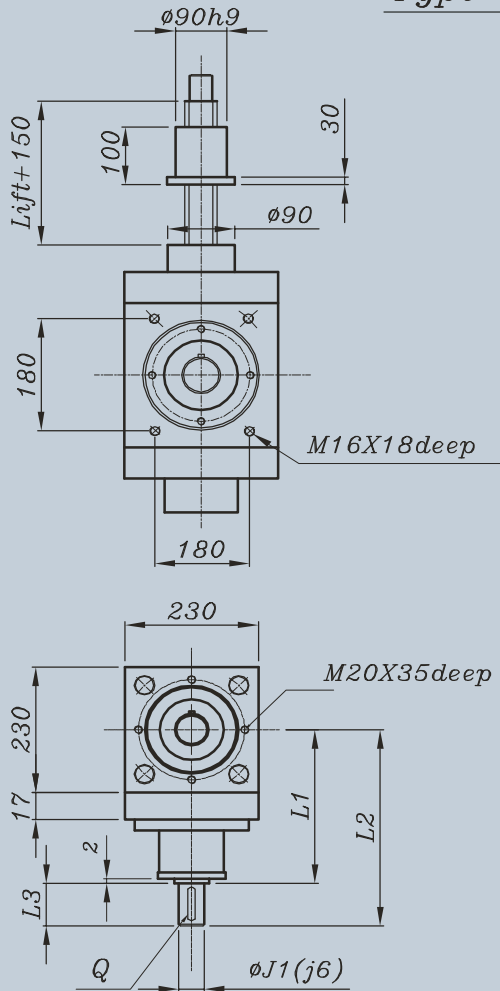




**DIMENSION SHEET**

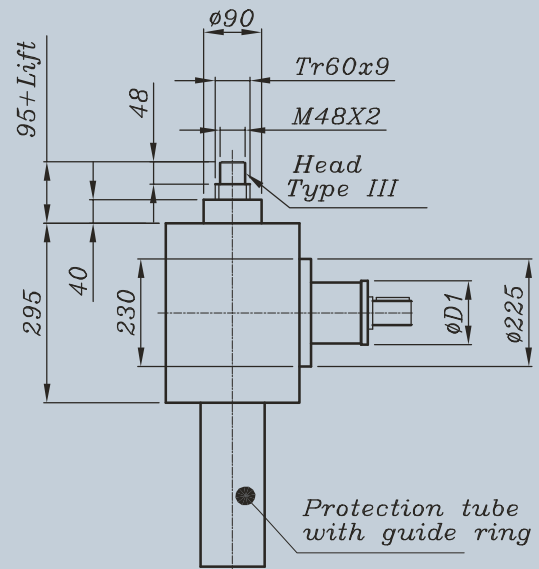
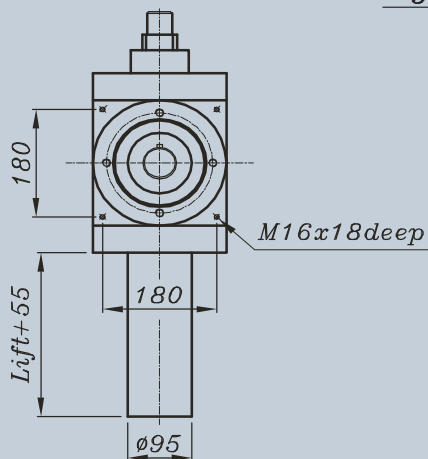
**Quick Lifting Bevel Gear Actuator BGJ 9**

*Type 2*



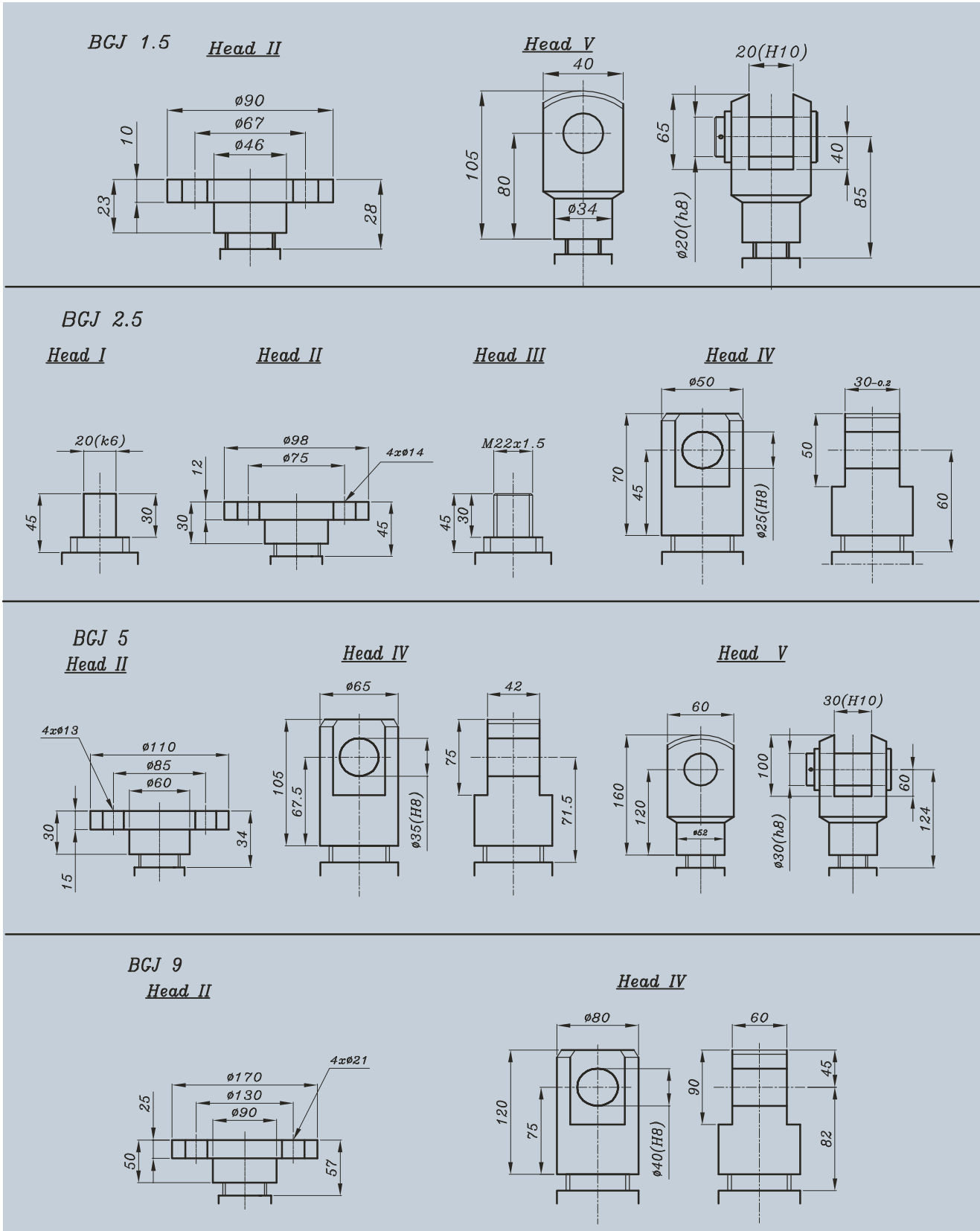
Ratio	$\phi J1$	$j6$	$\phi D1$	L1	L2	L3	Q
2:1	55		150	215	305	90	16X10X80
3:1	40		120	230	310	80	12X8X60

*Type 1*



**TYPES OF HEAD FOR METRIC VERSION**

**Front Attachment**





**Worm Gear Screw Jacks CLASSIC**



**Worm Gear Screw Jacks CUBICAL**



**Ball Screw Jack**



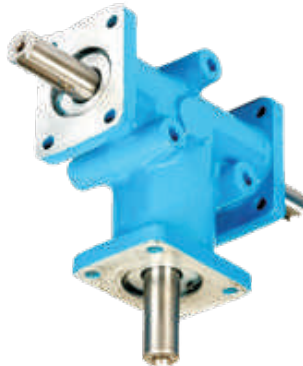
**Electric Cylinder**



**Bevel Gear Screw Jacks**



**Bevel Gear Box, FG**



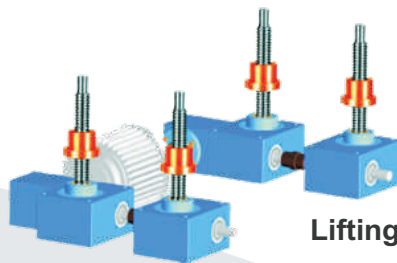
**Bevel Gear Box, L Drive**



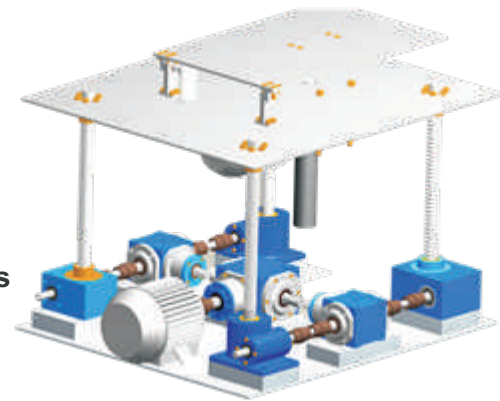
**UV Joints**



**Worm Reducer**



**Lifting Systems**



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CERTIFICATE No. 177024  
VALID FROM: July 30, 2022 | VALID UNTIL: July 29, 2025

