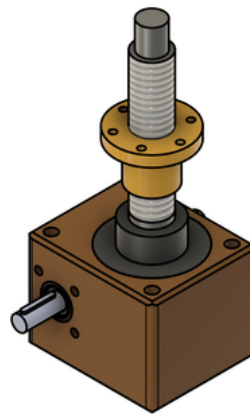
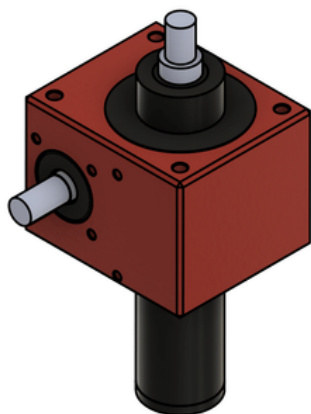

2C ENDÜSTRİ

CV / CS Screw Jack Catalogue

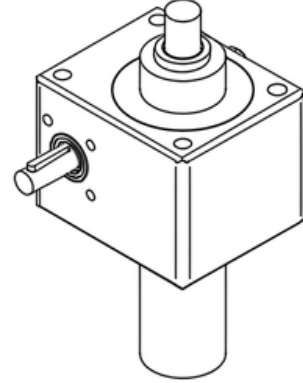


CV5 Screw Jack - Max 10 kN

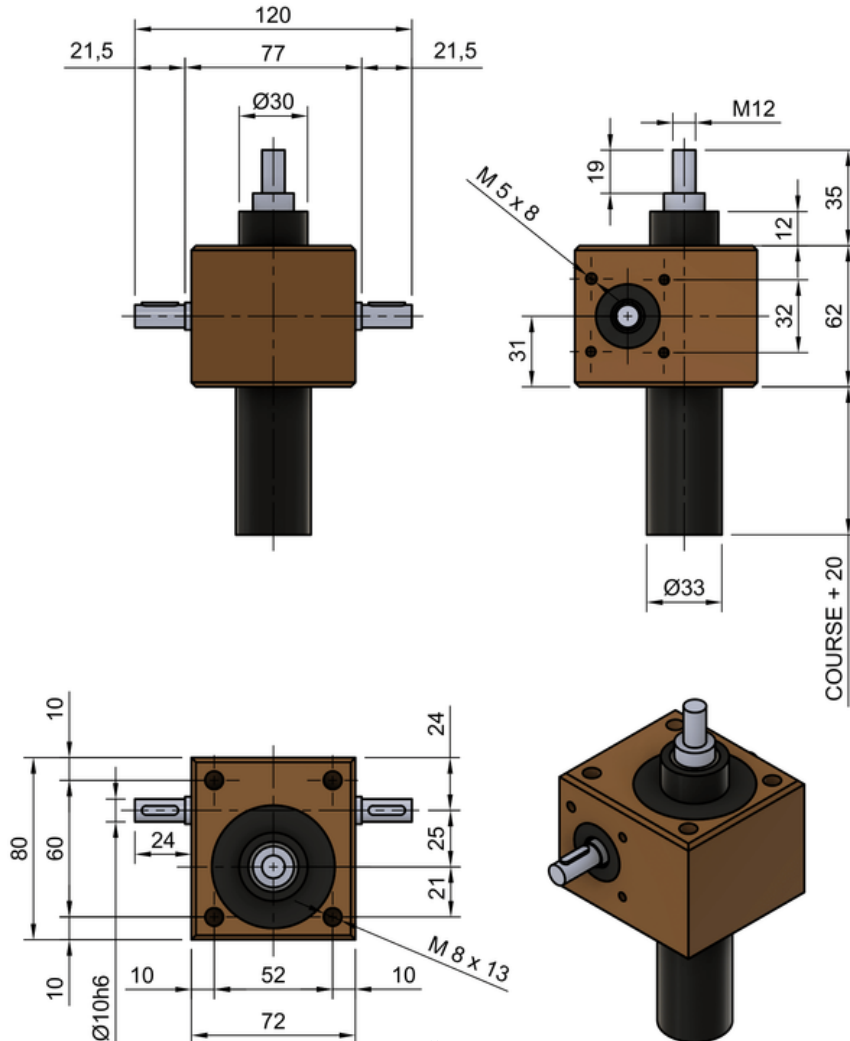


General Features

	Maksimum Kuvvet Maximum Force	10 kN
	Nominal Giriş Devri Nominal Input Speed	1500 RPM
	Maksimum Devir Maximum Speed	3000 RPM
	Dişli Oranları Gear Ratios	4:1 (A) / 16:1(B)
	Trapez Mil Ölçüsü Screw Size	18x4
	Çalışım Sıcaklığı Operating Temperature	-10 °C / 60 °C
	Dişli Kutusu Yağlanması Gearbox Lubrication	Sentetik Gres Yağı Synthetic Grease Oil
	Trapez Mil Yağlaması Shaft Lubrication	Gres Yağı Grease Oil
	Giriş Torku Input Torque	Max 4,5 Nm(A) / Max 1,5 Nm(B)



Technical Drawing

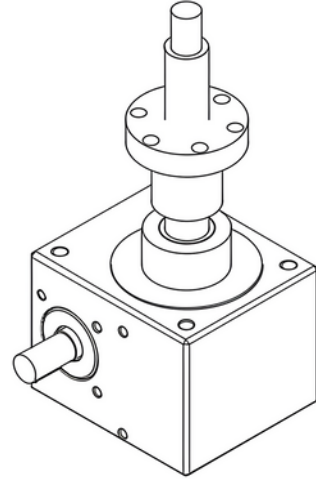


CS5 Screw Jack - Max 10 kN

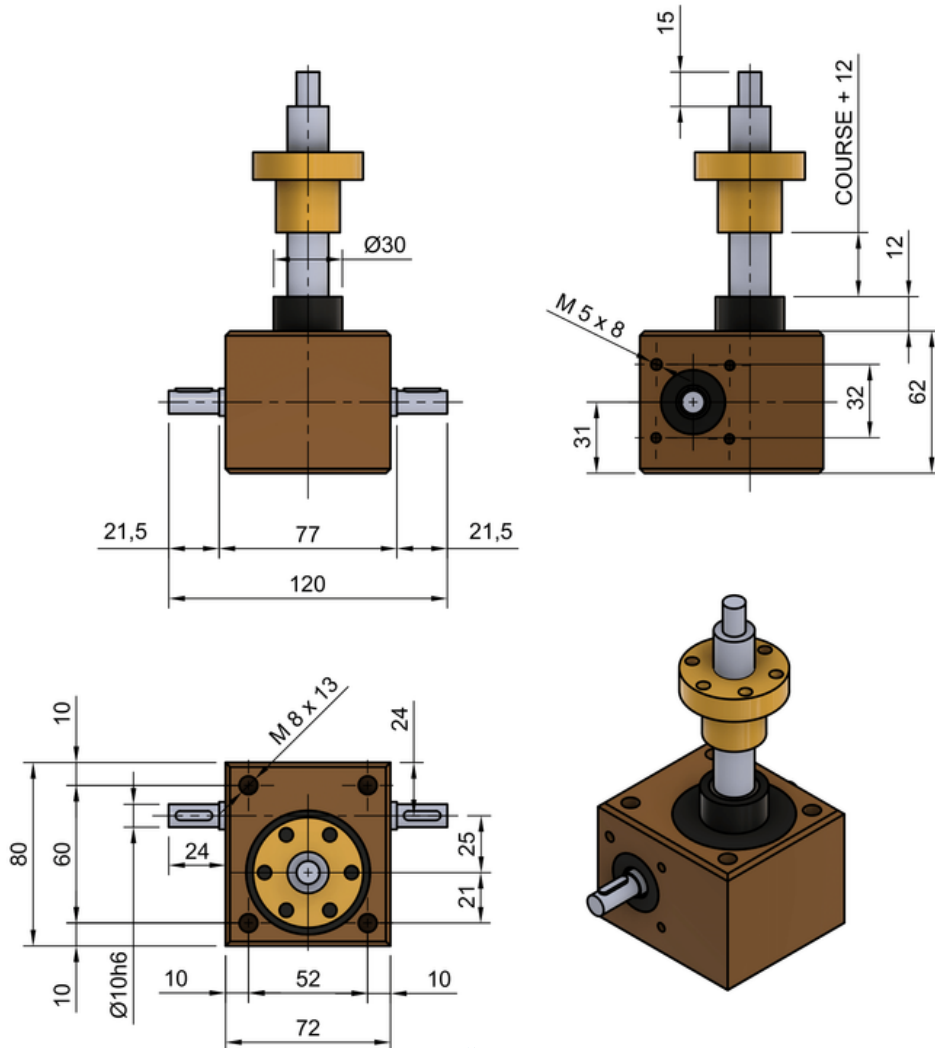


General Features

	Maksimum Kuvvet Maximum Force	10 kN
	Nominal Giriş Devri Nominal Input Speed	1500 RPM
	Maksimum Devir Maximum Speed	3000 RPM
	Dişli Oranları Gear Ratios	4:1 (A) / 16:1(B)
	Trapez Mil Ölçüsü Screw Size	18x4
	Çalışm Sıcaklığı Operating Temperature	-10 °C / 60 °C
	Dişli Kutusu Yağlanması Gearbox Lubrication	Sentetik Gres Yağı Synthetic Grease Oil
	Trapez Mil Yağlaması Shaft Lubrication	Gres Yağı Grease Oil
	Giriş Torku Input Torque	Max 4,5 Nm(A) / Max 1,5 Nm(B)



Technical Drawing



Screw Jack - Max 5 kN

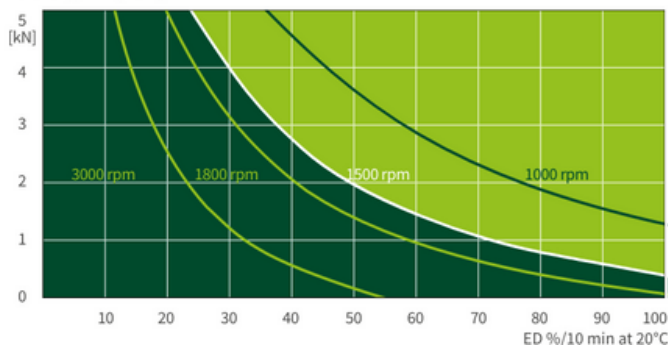


Standart Ratios

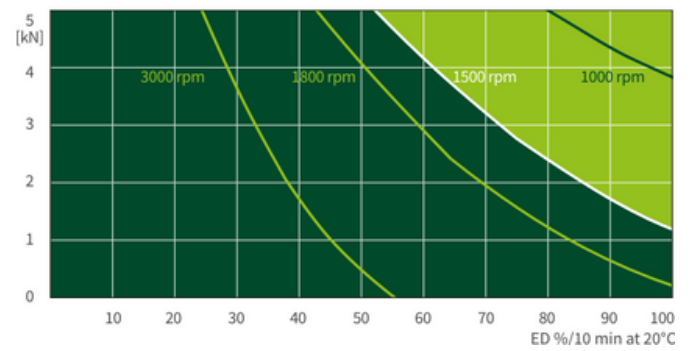
Type	Version	Speed	Standart Screw	i	Stroke per Drive Shaft rotation
CV5-VH-A	Translating Screw	Normal	Tr 18x4	4:1	1.00 mm
CV5-VH-B		Low Speed		16:1	0,25 mm
CV5-SH-A	Rotating Screw	Normal	Tr 18x4	4:1	1.00 mm
CV5-SH-B		Low Speed		16:1	0,25 mm

Duty Cycle Thermal Limit, for S+R

Ratio „N“ (4:1)



Ratio „L“ (16:1)



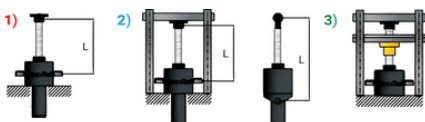
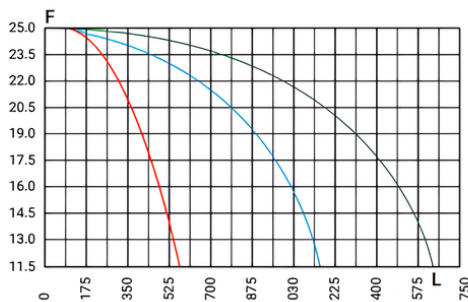
Graphs

Euler's law (safety factor = 2 dynamic compression load)

Limit load 1 (red) - 2 (blue) - 3 (green)

F = Load [kN]

L = Overall trapezoidal screw lenght [mm]

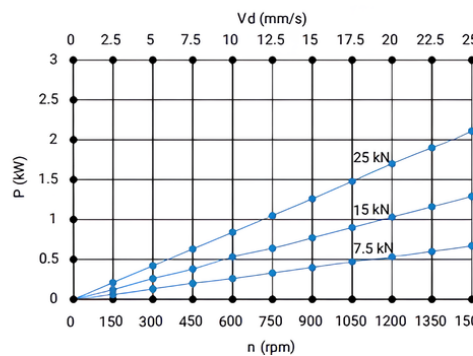


Power Curves (Reduction A Version)

P = Requested input power [kW]

n = Worm rotational speed [rpm]

Vd = Spindle translation speed [mm/s]

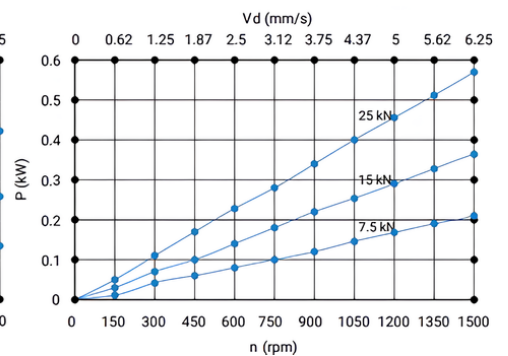


Power Curves (Reduction B Version)

P = Requested input power [kW]

n = Worm rotational speed [rpm]

Vd = Spindle translation speed [mm/s]

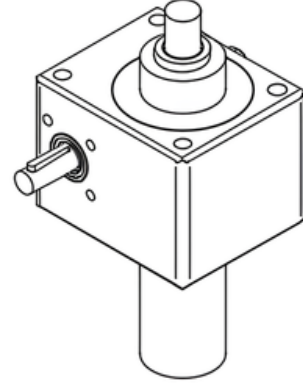


CV10 Screw Jack - Max 10 kN

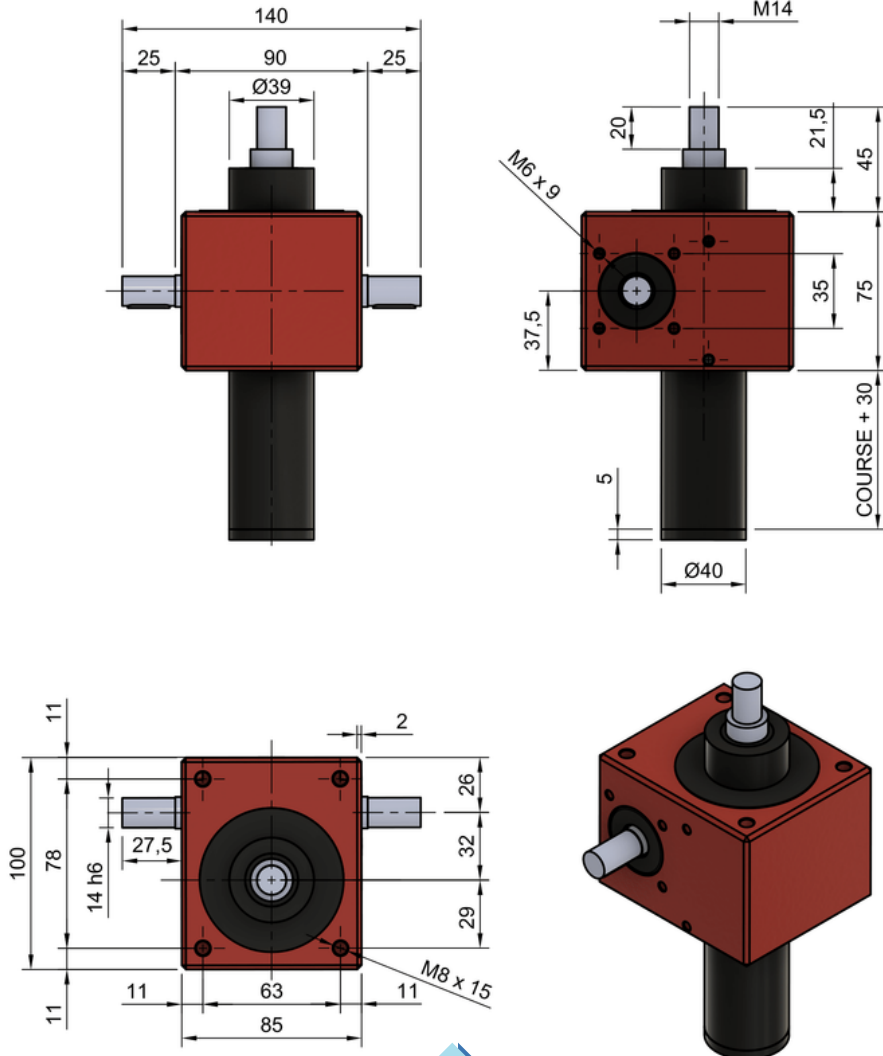


General Features

	Maksimum Kuvvet Maximum Force	10 kN
	Nominal Giriş Devri Nominal Input Speed	1500 RPM
	Maksimum Devir Maximum Speed	3000 RPM
	Dişli Oranları Gear Ratios	4:1 (A) / 16:1(B)
	Trapez Mil Ölçüsü Screw Size	20x4
	Çalışım Sıcaklığı Operating Temperature	-10 °C / 60 °C
	Dişli Kutusu Yağlanması Gearbox Lubrication	Sentetik Gres Yağı Synthetic Grease Oil
	Trapez Mil Yağlaması Shaft Lubrication	Gres Yağı Grease Oil
	Giriş Torku Input Torque	Max 13 Nm(A) / Max 7 Nm(B)



Technical Drawing

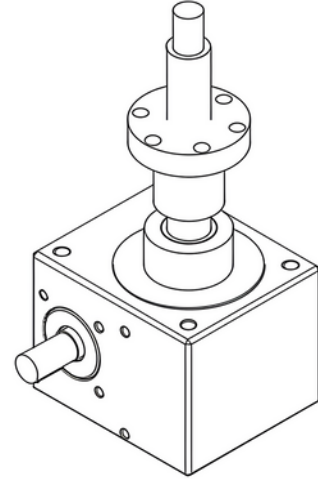


CS10 Screw Jack - Max 10 kN

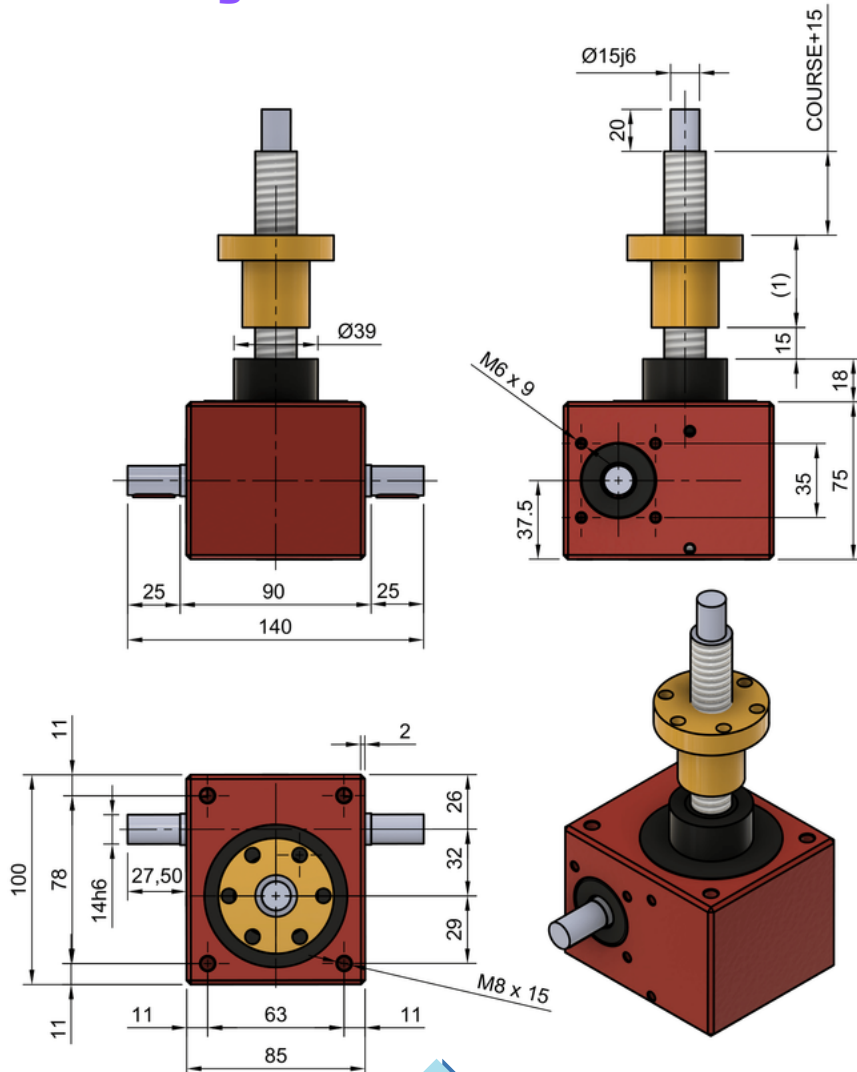


General Features

	Maksimum Kuvvet Maximum Force	10 kN
	Nominal Giriş Devri Nominal Input Speed	1500 RPM
	Maksimum Devir Maximum Speed	3000 RPM
	Dişli Oranları Gear Ratios	4:1 (A) / 16:1(B)
	Trapez Mil Ölçüsü Screw Size	20x4
	Çalışm Sıcaklığı Operating Temperature	-10 °C / 60 °C
	Dişli Kutusu Yağlanması Gearbox Lubrication	Sentetik Gres Yağı Synthetic Grease Oil
	Trapez Mil Yağlaması Shaft Lubrication	Gres Yağı Grease Oil
	Giriş Torku Input Torque	Max 13 Nm(A) / Max 7 Nm(B)



Technical Drawing



Screw Jack - Max 10kN

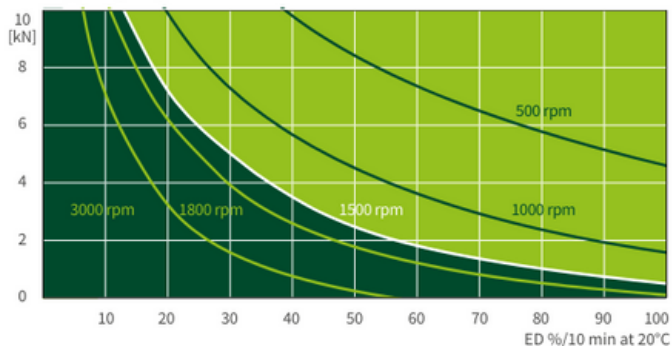


Standart Ratios

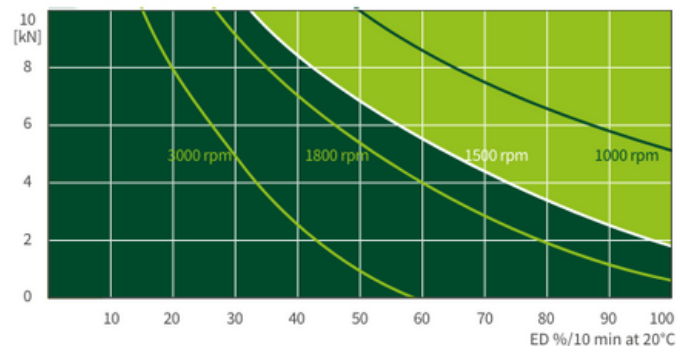
Type	Version	Speed	Standart Screw	i	Stroke per Drive Shaft rotation
CV10-VH-A	Translating Screw	Normal	Tr 20x4	4:1	1.00 mm
CV10-VH-B		Low Speed		16:1	0,25 mm
CV10-SH-A	Rotating Screw	Normal	Tr 20x4	4:1	1.00 mm
CV10-SH-B		Low Speed		16:1	0,25 mm

Duty Cycle Thermal Limit, for S+R

Ratio „N“ (4:1)



Ratio „L“ (16:1)



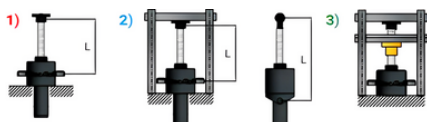
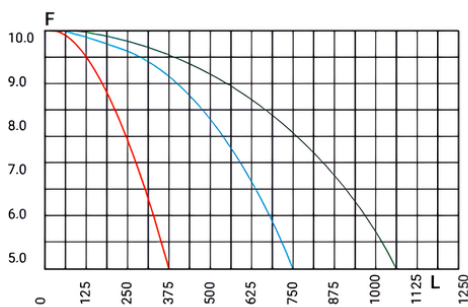
Graphs

Euler's law (safety factor = 2 dynamic compression load)

Limit load 1 (red) - 2 (blue) - 3 (green)

F = Load [kN]

L = Overall trapezoidal screw lenght [mm]

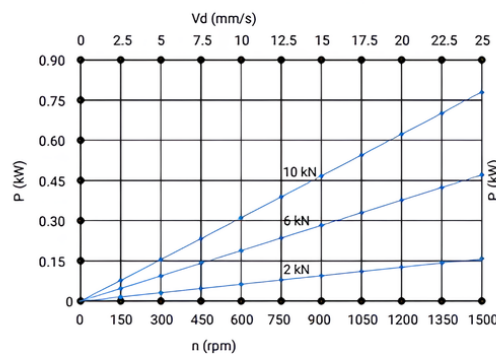


Power Curves (Reduction A Version)

P = Requested input power [kW]

n = Worm rotational speed [rpm]

Vd = Spindle translation speed [mm/s]

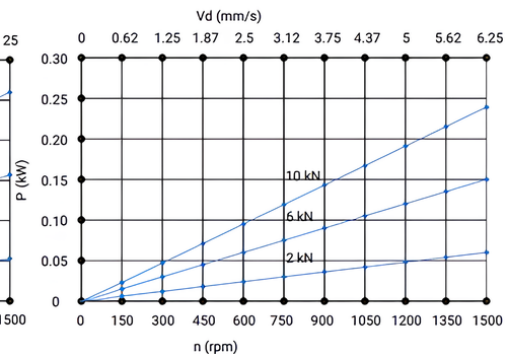


Power Curves (Reduction B Version)

P = Requested input power [kW]

n = Worm rotational speed [rpm]

Vd = Spindle translation speed [mm/s]



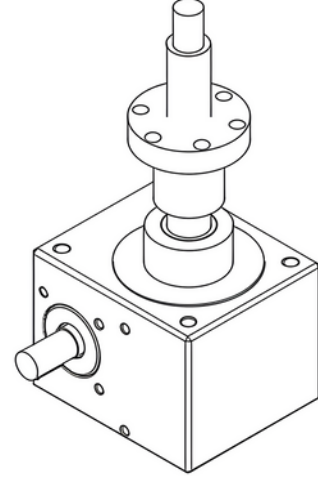
A technical line drawing of a square block with a central vertical shaft and a horizontal shaft on the left side. The block has four mounting holes on its top face. The vertical shaft has a flange at the top. The horizontal shaft has a smaller diameter section at its end.

CS25 Screw Jack - Max 25 kN

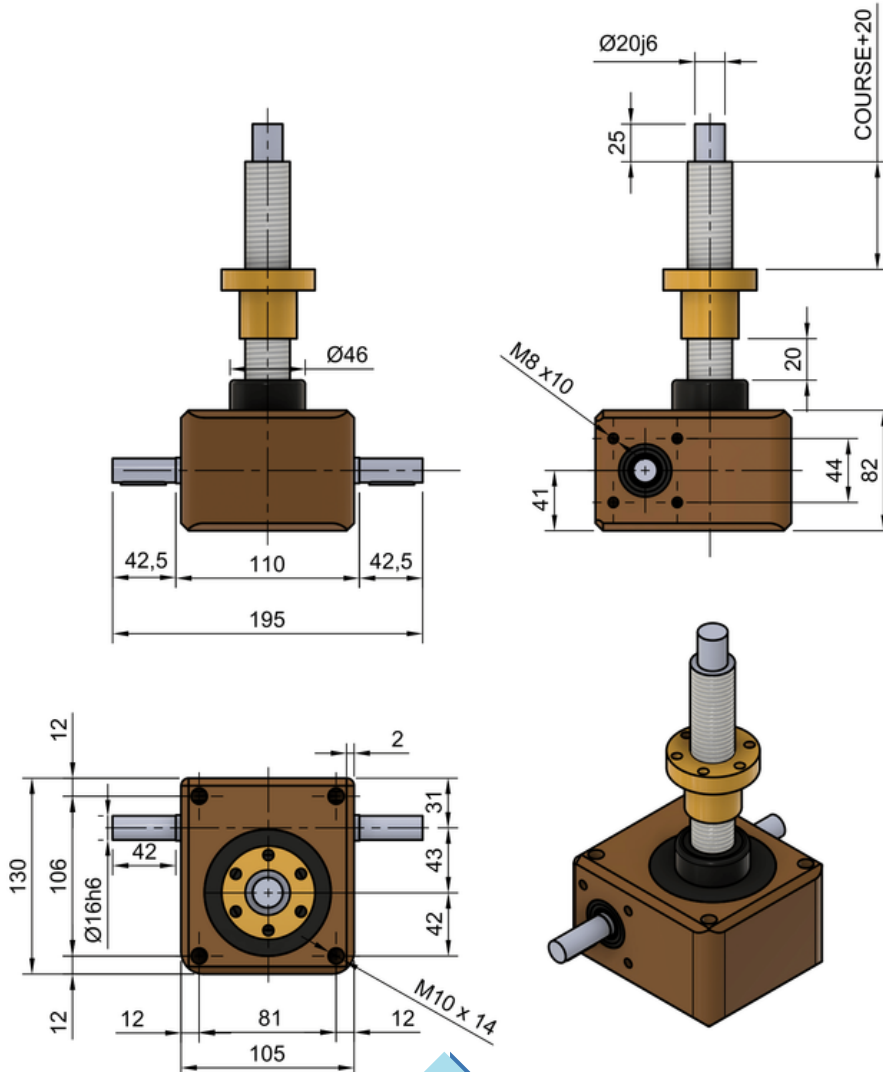


General Features

	Maksimum Kuvvet Maximum Force	25 kN
	Nominal Giriş Devri Nominal Input Speed	1500 RPM
	Maksimum Devir Maximum Speed	3000 RPM
	Dişli Oranları Gear Ratios	6: 1(A) / 24 : 1(B)
	Trapez Mil Ölçüsü Screw Size	30x6
	Çalışm Sıcaklığı Operating Temperature	-10 °C / 60 °C
	Dişli Kutusu Yağlanması Gearbox Lubrication	Sentetik Gres Yağı Synthetic Grease Oil
	Trapez Mil Yağlaması Shaft Lubrication	Gres Yağı Grease Oil
	Giriş Torku Input Torque	Max 18 Nm(A) / Max 10 Nm(B)



Technical Drawing



Screw Jack - Max 25 kN

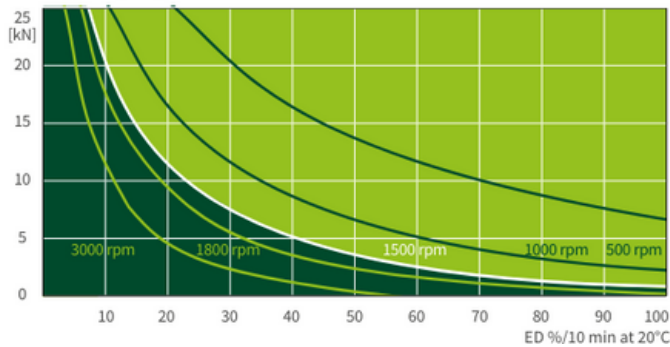


Standart Ratios

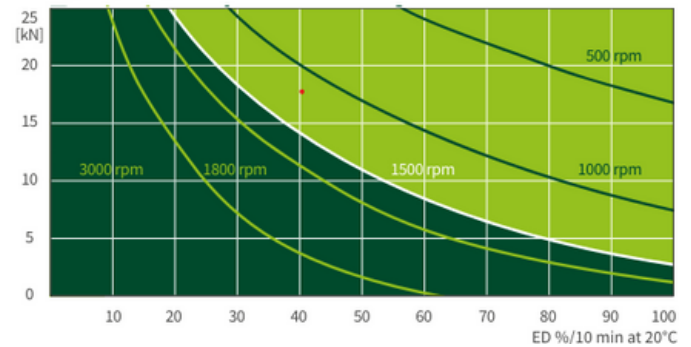
Type	Version	Speed	Standart Screw	i	Stroke per Drive Shaft rotation
CV25-VH-A	Translating Screw	Normal	Tr 30x6	6:1	1.00 mm
CV25-VH-B		Low Speed		24:1	0,25 mm
CV25-SH-A	Rotating Screw	Normal	Tr 30x6	6:1	1.00 mm
CV25-SH-B		Low Speed		24:1	0,25 mm

Duty Cycle Thermal Limit, for S+R

Ratio „N“ (6:1)



Ratio „L“ (24:1)



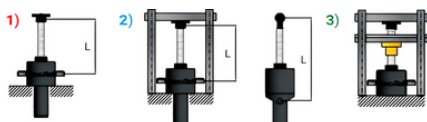
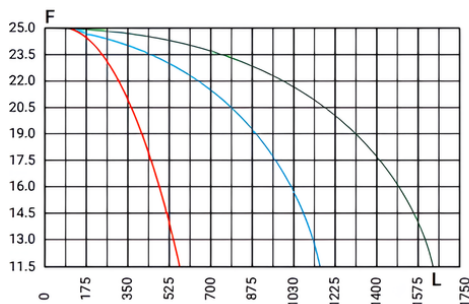
Graphs

Euler's law (safety factor = 2 dynamic compression load)

Limit load 1 (red) - 2 (blue) - 3 (green)

F = Load [kN]

L = Overall trapezoidal screw lenght [mm]

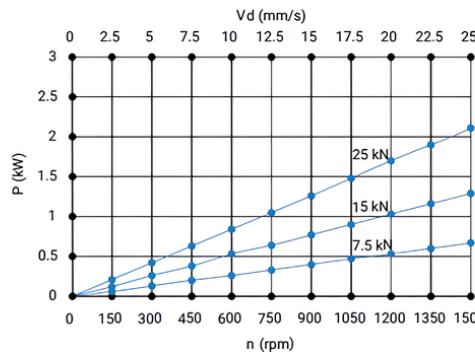


Power Curves (Reduction A Version)

P = Requested input power [kW]

n = Worm rotational speed [rpm]

Vd = Spindle translation speed [mm/s]

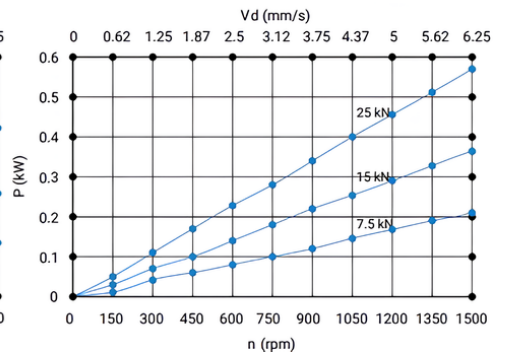


Power Curves (Reduction B Version)

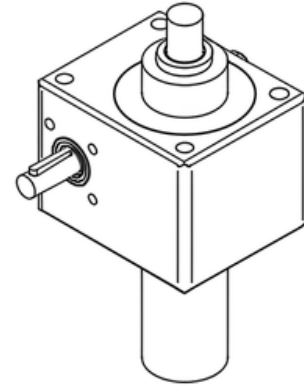
P = Requested input power [kW]

n = Worm rotational speed [rpm]

Vd = Spindle translation speed [mm/s]



	Maksimum Kuvvet Maximum Force	50 kN
	Nominal Giriş Devri Nominal Input Speed	1500 RPM
	Maksimum Devir Maximum Speed	1800 RPM
	Dişli Oranları Gear Ratios	7:1(A) / 28:1(B)
	Trapez Mil Ölçüsü Screw Size	40x7
	Çalışm Sıcaklığı Operating Temperature	-10 °C / 60 °C
	Dişli Kutusu Yağlanması Gearbox Lubrication	Sentetik Gres Yağı Synthetic Grease Oil
	Trapez Mil Yağlaması Shaft Lubrication	Gres Yağı Grease Oil
	Giriş Torku Input Torque	Max 31 Nm(A) / Max 10,5 Nm(B)



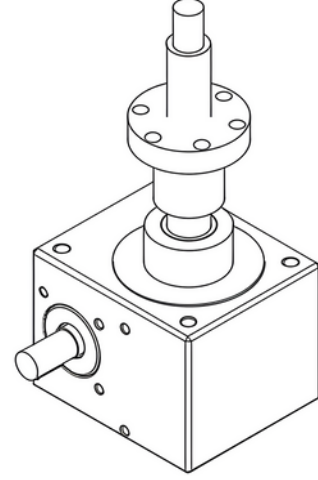
Technical drawings of a square base plate for a 100 mm x 100 mm column. The drawings include a top view, a side view, a front view, and an isometric view. Key dimensions include a total width of 240 mm, a central hole diameter of Ø60 mm, and a mounting hole diameter of Ø20H6. The base plate is 15 mm thick and has a total height of 117 mm. The mounting holes are M10 x 14 and the base plate is secured with M12 x 16 bolts. The isometric view shows the base plate mounted on a 100 mm x 100 mm column.

CS50 Screw Jack - Max 50 kN

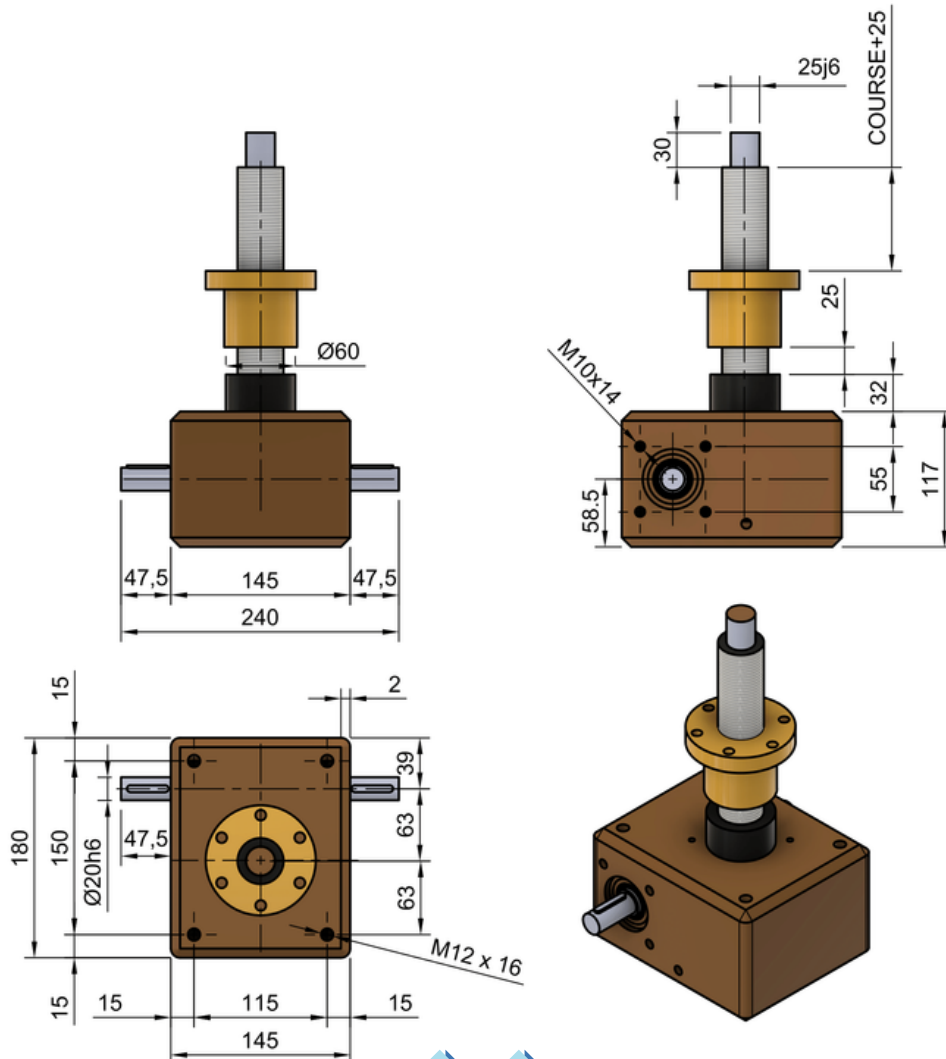


General Features

	Maksimum Kuvvet Maximum Force	50 kN
	Nominal Giriş Devri Nominal Input Speed	1500 RPM
	Maksimum Devir Maximum Speed	1800 RPM
	Dişli Oranları Gear Ratios	7:1(A) / 28:1(B)
	Trapez Mil Ölçüsü Screw Size	40x7
	Çalışım Sıcaklığı Operating Temperature	-10 °C / 60 °C
	Dişli Kutusu Yağlanması Gearbox Lubrication	Sentetik Gres Yağı Synthetic Grease Oil
	Trapez Mil Yağlaması Shaft Lubrication	Gres Yağı Grease Oil
	Giriş Torku Input Torque	Max 31 Nm(A) / Max 10,5 Nm(B)



Technical Drawing



Screw Jack - Max 50 kN

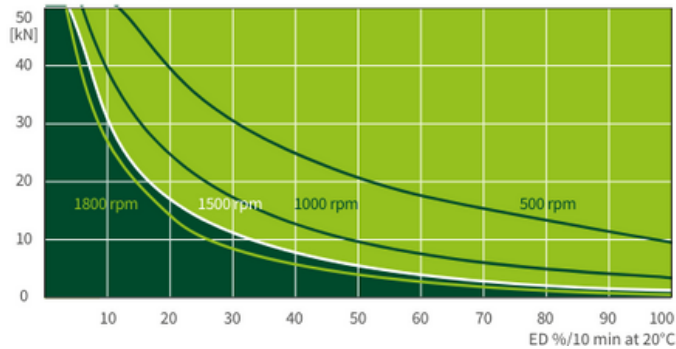


Standart Ratios

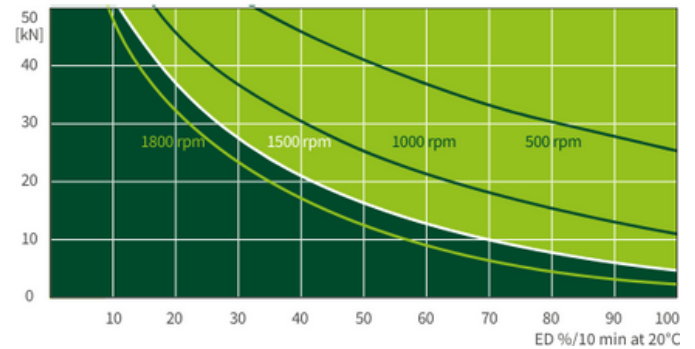
Type	Version	Speed	Standart Screw	i	Stroke per Drive Shaft rotation
CV50-VH-A	Translating Screw	Normal	Tr 40x7	7:1	1.00 mm
CV50-VH-B		Low Speed		28:1	0,25 mm
CV50-SH-A	Rotating Screw	Normal	Tr 40x7	7:1	1.00 mm
CV50-SH-B		Low Speed		28:1	0,25 mm

Duty Cycle Thermal Limit, for S+R

Ratio „N“ (7:1)



Ratio „L“ (28:1)



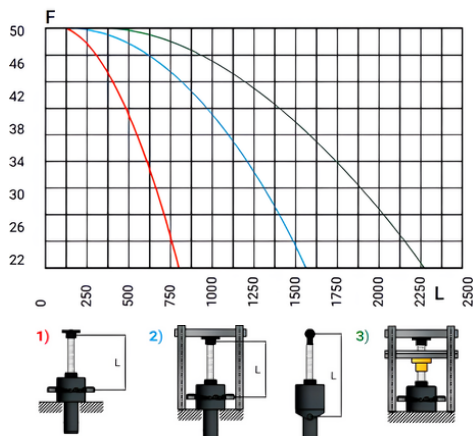
Graphs

Euler's law (safety factor = 2 dynamic compression load)

Limit load 1 (red) - 2 (blue) - 3 (green)

F = Load [kN]

L = Overall trapezoidal screw length [mm]

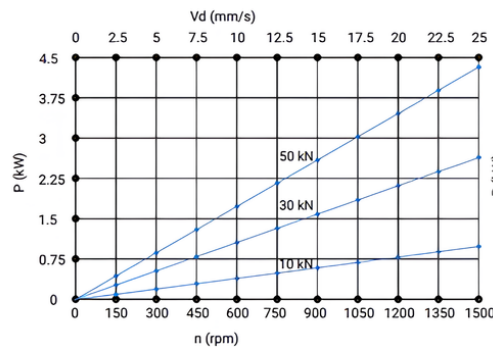


Power Curves (Reduction A Version)

P = Requested input power [kW]

n = Worm rotational speed [rpm]

Vd = Spindle translation speed [mm/s]

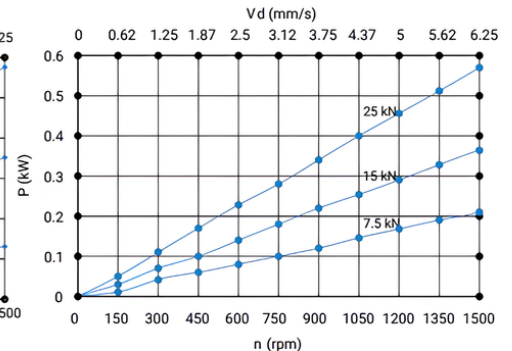


Power Curves (Reduction B Version)

P = Requested input power [kW]

n = Worm rotational speed [rpm]

Vd = Spindle translation speed [mm/s]

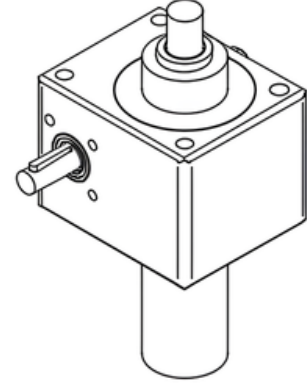


CV100 Screw Jack - Max 100 kN

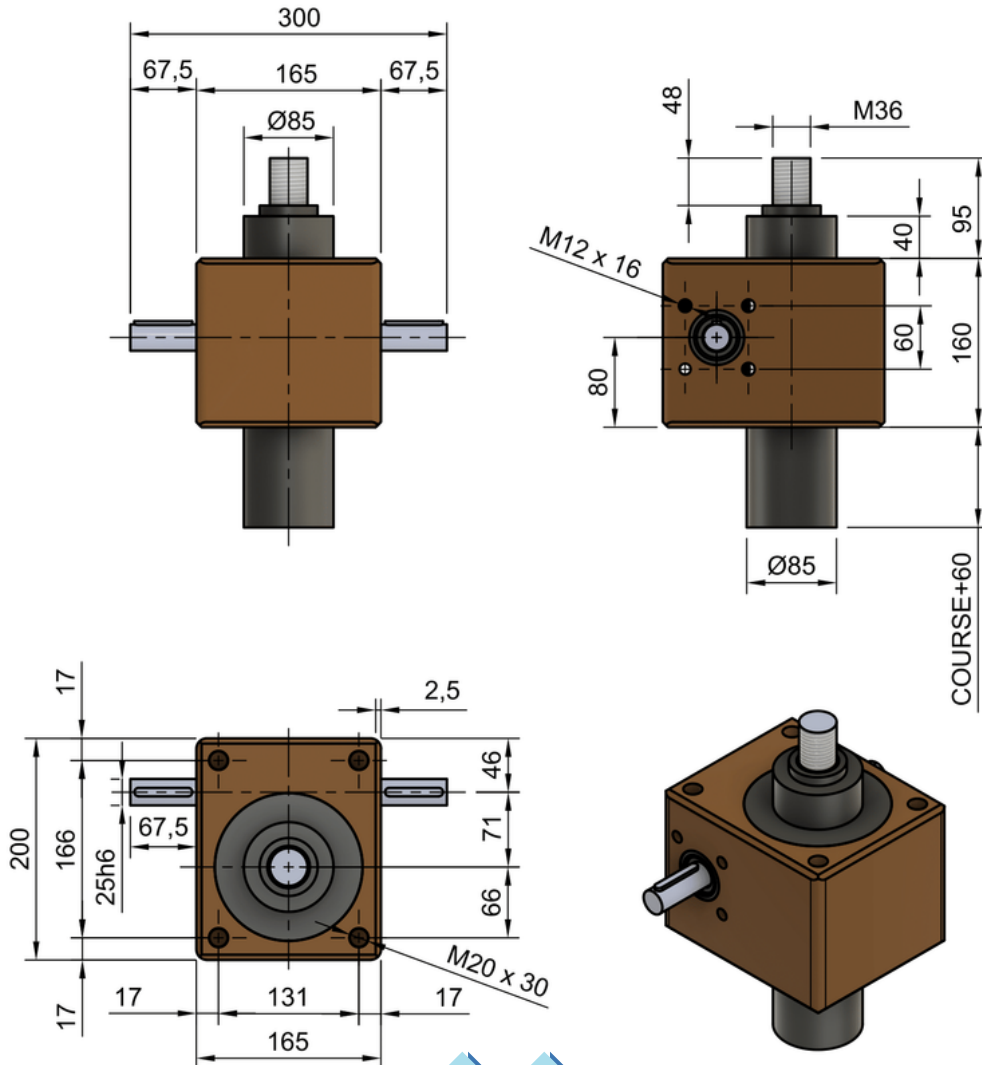


General Features

	Maksimum Kuvvet Maximum Force	100 kN
	Nominal Giriş Devri Nominal Input Speed	1500 RPM
	Maksimum Devir Maximum Speed	1800 RPM
	Dişli Oranları Gear Ratios	9:1(A) / 36 : 1(B)
	Trapez Mil Ölçüsü Screw Size	55x9
	Çalışm Sıcaklığı Operating Tempature	-10 °C / 60 °C
	Dişli Kutusu Yağlanması Gearbox Lubrication	Sentetik Gres Yağı Synthetic Grease Oil
	Trapez Mil Yağlaması Shaft Lubrication	Gres Yağı Grease Oil
	Giriş Torku Input Torque	Max 52 Nm(A) / Max 14 Nm(B)



Technical Drawing

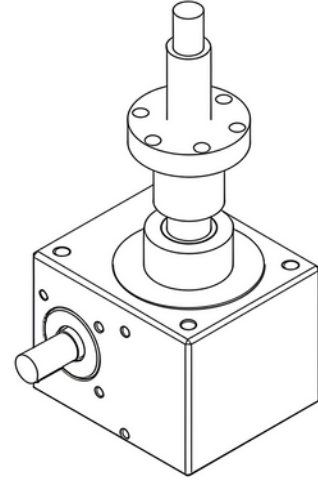


CS100 Screw Jack - Max 100 kN

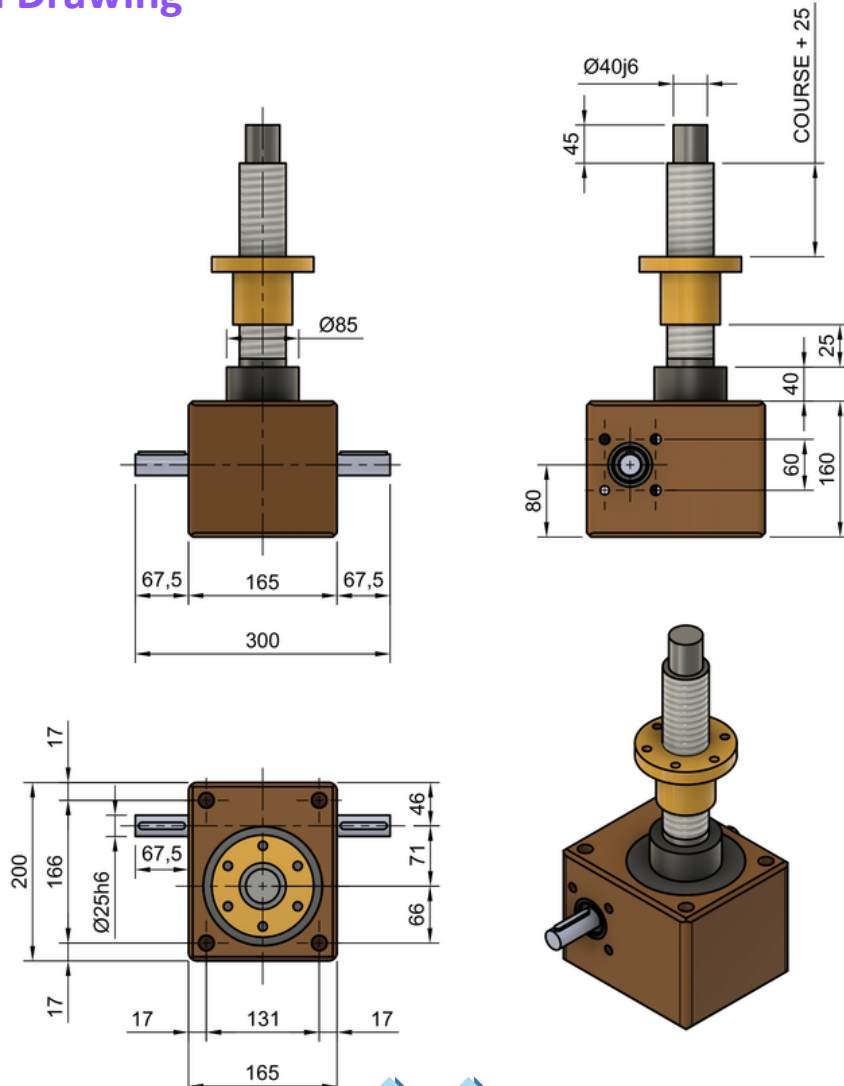


General Features

	Maksimum Kuvvet Maximum Force	100 kN
	Nominal Giriş Devri Nominal Input Speed	1500 RPM
	Maksimum Devir Maximum Speed	1800 RPM
	Dişli Oranları Gear Ratios	9:1(A) / 36 : 1(B)
	Trapez Mil Ölçüsü Screw Size	55x9
	Çalışm Sıcaklığı Operating Temperature	-10 °C / 60 °C
	Dişli Kutusu Yağlanması Gearbox Lubrication	Sentetik Gres Yağı Synthetic Grease Oil
	Trapez Mil Yağlaması Shaft Lubrication	Gres Yağı Grease Oil
	Giriş Torku Input Torque	Max 52 Nm(A) / Max 14 Nm(B)



Technical Drawing



Screw Jack - Max 100 kN

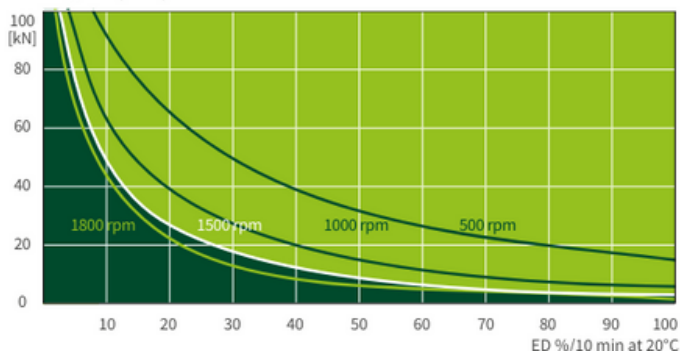


Standart Ratios

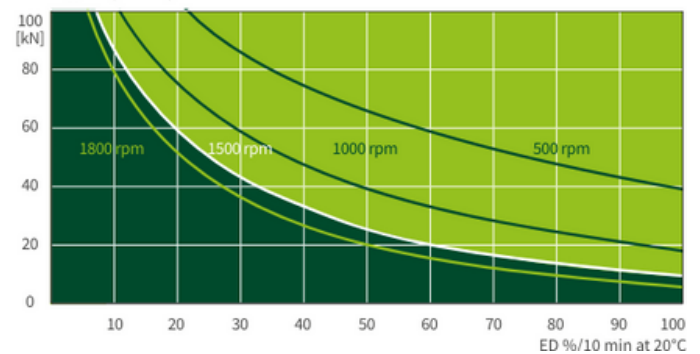
Type	Version	Speed	Standart Screw	i	Stroke per Drive Shaft rotation
CV100-VH-A	Translating	Normal	Tr 55x9	9:1	1.00 mm
CV100-VH-B		Low Speed		36:1	0,25 mm
CV100-SH-A	Rotating	Normal	Tr 55x9	9:1	1.00 mm
CV100-SH-B		Low Speed		36:1	0,25 mm

Duty Cycle Thermal Limit, for S+R

Ratio „N“ (9:1)



Ratio „L“ (36:1)



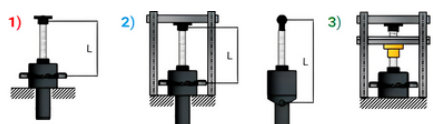
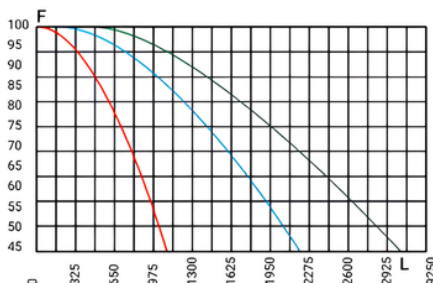
Graphs

Euler's law (safety factor = 2 dynamic compression load)

Limit load 1 (red) - 2 (blue) - 3 (green)

F = Load [kN]

L = Overall trapezoidal screw length [mm]

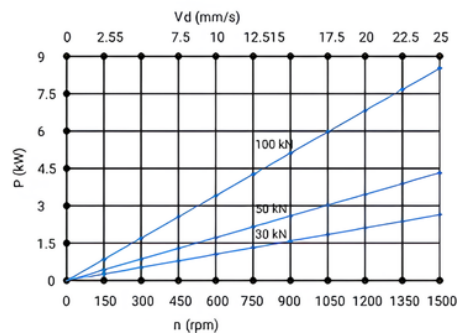


Power Curves (Reduction A Version)

P = Requested input power [kW]

n = Worm rotational speed [rpm]

Vd = Spindle translation speed [mm/s]



Power Curves (Reduction B Version)

P = Requested input power [kW]

n = Worm rotational speed [rpm]

Vd = Spindle translation speed [mm/s]

