Pyramidal Ring Roller
Ø 50 mm Shaft

MODELS

Art.	Phase	Center Roll Positioning	Drive Rolls
CE50H3	Three	Hydraulic	3
CE50H2	Three	Hydraulic	2
CE50MR3	Three	Manual	3

art. CE50MR3

artt. CE50H2 - CE50H3

MAXIMUM CAPACITY

Capacities based on materials with T.S. 42 Kg/mm² (psi 60.000) - Y.P. 25 Kg/mm² (psi 36.000) and rolled with more passes

Section	Dimensions, mm	Min Radius, mm
Gas Tube	2"1/2 x 3.6	400
○	80 x 2	800
□	60 x 60 x 3	600
▭	100 x 40 x 4	1300
●	40	250
■	40 x 40	350
▬	60 x 10	300
∟	25 x 25 x 3 50 x 50 x 6 60 x 60 x 6	150 300 350
⊢	80 x 80 x 6	400
⊏	100 x 45 x 6	350

For other profiles, see MAXIMUM CAPACITY table on page 10.
For dimensions in inches, see conversion table on page 97.

SPECIAL MODELS

For technical data and maximum capacities, consult standard models tables

Art.		Description
CE50H3 CE50H2 CE50MR3	V2*	2 speeds models - Other features same as standard models.

* Speeed of V2 models (two speed machines): 9/18 rpm with brake (for 60 Hz), 6/12 rpm (for 50 Hz)

TECHNICAL DATA

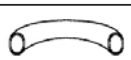
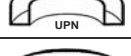
Description	CE50H3	CE50H2	CE50MR3
Roll Shaft Diameter	50 mm	50 mm	50 mm
Standard Roll Diameter	178 mm	178 mm	178 mm
Max Center Roll Stroke	142 mm	142 mm	134 mm
Roll Shaft Speed	9 rpm	9 rpm	9 rpm
Indipendent Drive Rolls	3 Smooth	2 Knurled	3 Smooth
Voltage*	220 / 240 - 380 / 440 V	220 / 240 - 380 / 440 V	220 / 240 - 380 / 440 V
Motor	1.85 kW	1.85 kW	1.85 kW
Hydraulic Motor Power	1.50 kW	1.50 kW	No
Machine Mainframe	Cast Iron	Cast Iron	Cast Iron
Piston Force	10 t	10 t	No
Machine Operating Position	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical
Center Roll Positioning	Hydraulic	Hydraulic	Manual (with torque multiplier)
Display	Digital Programmable	Digital Programmable	Digital
Machine Body Construction	Welded Steel	Welded Steel	Welded Steel
Number of Programs	8	8	1
Electric Foot Pedal Control	Yes	Yes	Yes
Dimensions (w x h x l)	650 x 1270 x 1100 mm	650 x 1270 x 1100 mm	650 x 1430 x 1100 mm
Weight	430 Kg	400 Kg	410 Kg

* other voltages available upon request

PYRAMIDALS CE

MAXIMUM CAPACITY

Capacityes based on materials with T.S. 42 Kg/mm² (psi 60.000) - Y.P. 25 Kg/mm² (psi 36.000) and rolled with more passes.
For dimensions in inches, see conversion table on page 97.

		CE100			CE70			CE50			CE40		
Ref.	Profile	Dimensions (mm)	Min Radius (mm)	Tooling (type)	Dimensions (mm)	Min Radius (mm)	Tooling (type)	Dimensions (mm)	Min Radius (mm)	Tooling (type)	Dimensions (mm)	Min Radius (mm)	Tooling (type)
1	 Gas Tube normal series	4" x 10 5" x 6	600 1000	RT + TI RT + TI	1/2" x 3 3" x 6	200 600	RT RT + TI	3/4" x 3.2 2" x 3.9 2"1/2 x 3.6	100 300 400	RT RT RT + TI	1/2" x 2.3 1" x 3.2 2" x 3.2	100 250 450	RT RT RT + TI
		30 x 2 150 x 5	250 1000	RT RT + TI	20 x 3 100 x 4	200 600	RT RT + TI	25 x 3.2 60 x 5 80 x 2	100 500 800	RT RT RT + TI	22 x 3 35 x 3 70 x 1.5	100 200 700	RT RT RT + TI
2		30 x 30 x 2 120 x 120 x 4	250 1300	SR SR + TI	25 x 25 x 1.5 80 x 80 x 3.2	200 1200	SR RS + TI	20 x 20 x 2 50 x 50 x 3 60 x 60 x 3	100 500 600	RS + SR RS + TI/SR + TI SR + TI	20 x 20 x 2 40 x 40 x 3 50 x 50 x 3	150 400 500	RS + SR RS + TI/SR + TI SR + TI
3		30 x 15 x 2 120 x 60 x 5	300 1500	SR SR + TI	30 x 15 x 1.5 100 x 50 x 3.2	200 1000	RS - SR RS - SR - TI	30 x 15 x 2 60 x 40 x 3	150 600	RS + SR RS + TI/SR + TI	30 x 10 x 2 40 x 20 x 3 60 x 30 x 3	150 450 600	RS + SR RS + TI/SR + TI SR + TI
4		30 x 15 x 2 140 x 60 x 5	300 1500	SR SR + TI	30 x 15 x 1.5 120 x 60 x 5	200 1200	SR SR - TI	30 x 10 x 2 60 x 40 x 3 100 x 40 x 4	150 500 1300	RS + SR RS + TI/SR + TI SR + TI	30 x 10 x 2 50 x 25 x 3 80 x 30 x 3	150 500 700	RS + SR RS + TI/SR + TI SR + TI
5		50 x 25 x 2.5 120 x 60 x 3	300 1000	SR SR + TI	50 x 25 x 2 100 x 50 x 3.2	200 1200	SR SR	30 x 15 x 2 60 x 30 x 3	200 600	SR SR + TI	30 x 10 x 2 50 x 25 x 3	200 600	SR SR + TI
6		50 x 25 x 2.5 120 x 60 x 5	300 1500	SR SR + TI	50 x 25 x 2 120 x 60 x 3	200 1200	SR SR	30 x 15 x 2 60 x 30 x 3	200 600	SR SR + TI	30 x 15 x 2 60 x 30 x 3	200 600	SR SR + TI
7		40 70	200 300	RT RT + TI	30 60	150 300	RT RT + TI	20 40	100 250	RT RT + TI	20 35	100 250	RT RT + TI
8		40 x 40 60 x 60	300 300	RS RS	30 x 30 50 x 50	150 300	RS RS + TI	15 x 15 30 x 30 40 x 40	100 200 350	RS RS + TI RS + TI	15 x 15 25 x 25 35 x 35	100 200 250	RS RS + TI RS + TI
9		40 x 40 60 x 60	200 400	SR SR + TI	30 x 30 50 x 50	200 400	SR SR + TI	15 x 15 40 x 40	150 350	SR SR + TI	15 x 15 35 x 35	150 300	SR SR + TI
10		30 x 5 120 x 20	250 500	RS RS + TI	30 x 5 100 x 12	200 800	RS RS + TI	20 x 10 60 x 10	150 200	RS RS	20 x 10 50 x 10	100 250	RS RS
11		50 x 10 200 x 40	250 500	RS SR + TI	30 x 8 140 x 30	200 350	RS SR + TI	50 x 10 80 x 15 110 x 15	150 200 300	RS RS + TI SR + TI	40 x 5 60 x 15 100 x 15	100 150 250	RS RS + TI SR + TI
12		40 x 40 x 5 80 x 80 x 16 100 x 100 x 12	300 500 600	RS RS RS + TI	30 x 30 x 4 80 x 80 x 12	250 800	RS RS + TI	25 x 25 x 4 50 x 50 x 6 60 x 60 x 6	150 300 350	RS + SR RS + SR RS + SR + TI	25 x 25 x 4 40 x 40 x 3 50 x 50 x 6	150 300 400	RS + SR RS + SR RS + SR + TI
13		40 x 40 x 5 80 x 80 x 16 100 x 100 x 12	300 500 800	RS + RA RS + RA RS + RA	30 x 30 x 4 80 x 80 x 12	250 1000	RS + RA RS + RA	25 x 25 x 3 50 x 50 x 6 60 x 60 x 6	150 300 350	RS + SR + RA RS + SR + RA RS + SR + RA + TI	25 x 25 x 3 40 x 40 x 4 50 x 50 x 6	150 250 300	RS + SR + RA RS + SR + RA RS + SR + RA + TI
14		30 x 30 x 5 120 x 100 x 12	200 500	RS RS + TI	25 x 25 x 3 120 x 80 x 10	200 600	RS RS + TI	30 x 30 x 3 50 x 50 x 6 80 x 80 x 6	100 200 400	RS RS + TI RS + TI	30 x 30 x 3 40 x 40 x 5 60 x 60 x 6	100 200 400	RS RS + TI RS + TI
15		30 x 30 x 5 120 x 100 x 12	250 500	RS + SR RS + SR + TI	25 x 25 x 3 100 x 80 x 9	200 800	RS + SR RS + SR + TI	30 x 30 x 3 50 x 50 x 6 80 x 80 x 6	100 200 400	RS + SR RS + SR + TI RS + SR + TI	30 x 30 x 3 40 x 40 x 5 60 x 60 x 6	100 200 400	RS + SR RS + SR + TI RS + SR + TI
16		U 40 x 35 UPN 180 x 70 UPN 260 X 90	250 400 600	SR SR + TI SR + TI	U 30 x 15 UPN 100 x 50 UPN 160 X 65	150 400 800	SR SR + TI SR + TI	30 x 15 x 4 100 x 45 x 6	100 350	RS + SR SR + TI	30 x 15 x 4 80 x 45 x 6	100 350	RS + SR SR + TI
17		U 40 x 35 UPN 180 x 70 UPN 260 x 90	250 400 600	SR SR + TI SR + TI	U 30 x 15 UPN 100 x 50 UPN 160 x 65	150 400 800	SR SR + TI SR + TI	40 x 20 x 5 100 x 45 x 6	150 350	RS + SR SR + TI	40 x 20 x 5 80 x 45 x 6	100 350	RS + SR SR + TI
18	 UPN	UPN 140	2500	5R + SR	—	—	—	—	—	—	—	—	—
19		IPN 140	1200	4R + SR + TI	—	—	—	—	—	—	—	—	—
20	 IPN - IPE	IPN - IPE 80 IPN - IPE 180 IPN - IPE 240	500 500 600	SR SR + TI SR + TI	IPN - IPE 80 IPN - IPE 140	600 1200	SR SR + TI	—	—	—	—	—	—
21	 HEA - HEB	HEB 100 HEA 140	1000 1800	SR + TI SR + TI	HEA 100	1200	SR + TI	—	—	—	—	—	—

LEGEND: ROLLS & ACCESSORIES
RS = Standard Roll Set (supplied with machine)
RT = Roll Set for Tubes and Bars
SR = Special Roll Set
TI = Tie Bar
RA = Anti-twist Device (angle iron "leg in")
4R = Fourth Roll Accessory - **5R** = Fifth Roll Accessory

Notes:
Above listed radii refer to standard rolls.
For smaller radii, special rolls are required.
When ordering, specify type and UNI of material.

MAXIMUM CAPACITIES AND MINIMUM RADII ARE INDICATIVE AND NOT BINDING