



AR/ARL 3-Roll Section Rolls

These powerful machines offer superior capacity at competitive prices, rolling all profile types. Planetary movement reduces flat sections, with three hydraulic motors and planetary gears for higher torque.

Special nylon tooling is available for aluminium, and hydraulic guides assist during processing. They work vertically, horizontally, and can be CNC automated. MG's HT version, for spiral pipes, has reinforced motors for smaller diameters, stronger side guides, and a calibration roll for precision. The ARL version features rectilinear roller movement, allowing precise work on smaller diameters with minimal flat sections for optimal results.

AR/ARL 3-Roll



Machine Features

- Fully electric
- Three motorized rolls
- Upper roll movement with manual control displayed with memory
- Side roll manual movement for wheelbase change according to processing
- Possibility of working both horizontally and vertically
- Manual movement lateral guides

Optional Equipment

- Electric movement of the side rolls to change wheelbase according to processing
- Shaft anti-deflexion system
- Custom moulds for tubes and special profiles
- NC Nexus
- CNC Touch Command: EVO4.0 and EVO4.0 PLUS



AR 60



AR 80 HT



AR 180



AR 200

AR-ARL 60/530 TECHNICAL SPECIFICATIONS

| MODEL | | AR-ARL 60 | AR-ARL 80 | AR-ARL 110 | AR-ARL 130 | AR-ARL 140 | AR-ARL 160 | AR-ARL 180 |
|-------------------|-------------------|------------|------------|------------|------------|------------|------------|--------------|
| STOCK CODE | | | | | | | | |
| Section Modulus | W cm ² | 10 - 18 | 20 - 28 | 35 - 55 | 40 - 80 | 45 - 95 | 90 - 180 | 100 - 250 |
| Rolling Speed | min. spd. | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Power | kW | 4 | 5 | 7.5 | 15 | 15 | 18.5 | 18.40 |
| Shaft Dia. | mm | 60 | 80 | 110 | 130 | 140 | 160 | 190 |
| Roll Dia. | mm | 215 | 275 | 380 | 390 | 400 | 460 | 570 |
| Length | mm | 1315 | 1300 | 1600 | 1760 | 1813 | 2124 | 2340 |
| Width | mm | 956 | 1180 | 1475 | 1540 | 1646 | 2131 | 2630 |
| Height | mm | 940 | 1040 | 1340 | 1520 | 1605 | 1975 | 2560 |
| Weight | kg | 1040 | 1650 | 2970 | 3800 | 4220 | 7500 | 13500 |
| MODEL | | AR-ARL 200 | AR-ARL 250 | AR-ARL 300 | AR-ARL 330 | AR-ARL 360 | AR-ARL 440 | AR-ARL 530 |
| STOCK CODE | | | | | | | | |
| Section Modulus | W cm ² | 110 - 350 | 120 - 700 | 150 - 1000 | 180 - 1100 | 200 - 2000 | 250 - 5000 | 2500 - 15000 |
| Rolling Speed | min. spd. | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Power | kW | 29.8 | 44 | 56 | 55.93 | 75 | 100 | 125 |
| Shaft Dia. | mm | 210 | 250 | 300 | 330 | 360 | 440 | 530 |
| Roll Dia. | mm | 630 | 660 | 770 | 770 | 800 | 920 | 980 |
| Length | mm | 2977 | - | - | 3371 | 4300 | - | - |
| Width | mm | 2970 | - | - | 3330 | 3350 | - | - |
| Height | mm | 2850 | - | - | 3533 | 4476 | - | - |
| Weight | kg | 19000 | 29000 | 36500 | 40000 | 69600 | 65000 | 297000 |

See overleaf for full capacity chart

CAPACITIES

| MODEL | AR-ARL 60 | | AR-ARL 80 | | AR-ARL 110 | | AR-ARL 130 | | AR-ARL 140 | | AR-ARL 160 | | AR-ARL 180 | | |
|---------|-----------|-------------|-----------|--------------|------------|--------------------------|--------------|--------------------------|--------------|--------------------------|--------------|--------------------------|--------------|--------------------------|--------------|
| PROFILE | Size | Min. Dia. | Size | Min. Dia. | Size | Min. Dia. | Size | Min. Dia. | Size | Min. Dia. | Size | Min. Dia. | Size | Min. Dia. | |
| 1. | | 70 x 10 | 1500 | 90 x 15 | 1500 | 110 x 25 | 1400 | 130 x 20 | 1600 | 150 x 20 | 1800 | 150 x 40 | 1500 | 150 x 50 | 1300 |
| 2. | | 100 x 20 | 1400 | 120 x 30 | 800 | 160 x 35 | 1000 | 190 x 30 | 1000 | 180 x 40 | 1250 | 240 x 50 | 1800 | 260 x 60 | 1800 |
| 3. | | 38 | 500 | 50 | 600 | 70 | 1200 | 80 | 1200 | 90 | 1200 | 90 | 1500 | 120 | 1800 |
| 4. | | 40 | 500 | 60 | 600 | 75 | 850 | 85 | 100 | 90 | 100 | 110 | 1650 | 130 | 1300 |
| 5. | | 60 x 3 | 1000 | 98 x 3 | 1800 | 140 x 3 | 2800 | 159 x 3 | 3000 | 168 x 4 | 4000 | 190 x 4 | 3000 | 219 x 5 | 6500 |
| 6. | | 70 x 20 x 3 | 1000 | 100 x 40 x 3 | 1000 | 100 x 50 x 5 | 1200 | 120 x 70 x 5 | 1200 | 150 x 70 x 5 | 2500 | 160 x 70 x 8 | 4800 | 180 x 70 x 8 | 6500 |
| 7. | | 60 x 2 | 1500 | 70 x 4 | 1000 | 90 x 5 | 2000 | 100 x 5 | 2000 | 120 x 5 | 1000 | 140 x 10 | 3000 | 150 x 8 | 6000 |
| 8. | | 60 x 6 | 1800 | 80 x 10 | 1800 | 100 x 10 | 2000 | 120 x 8 | 2000 | 140 x 15 | 2600 | 160 x 15 | 3000 | 180 x 18 | 6400 |
| 9. | | 50 x 6 | 1800 | 70 x 8 | 900 | 90 x 10 | 2600 | 100 x 10 | 2600 | 120 x 14 | 3000 | 1150 x 10 | 3000 | 160 x 18 | 6400 |
| 10. | | 60 | 1000 | 80 | 1000 | 100 | 1600 | 130 x 12 | 1500 | 140 x 15 | 1400 | 150 x 15 | 2800 | 160 x 15 | 5000 |
| 11. | | 60 | 1000 | 80 | 1000 | 100 | 1600 | 130 x 12 | 1500 | 140 x 15 | 1400 | 150 x 15 | 2800 | 160 x 18 | 5000 |
| 12. | | 60 | 1000 | 80 | 1000 | 100 | 1600 | 130 x 12 | 1500 | 140 x 15 | 1400 | 150 x 15 | 2800 | 160 x 15 | 5000 |
| 13. | | 80 x 45 | 1000 | 90 | 1800 | UPN 140 | 1200 | UPN 160 | 1200 | UPN 180 | 1000 | UPN 220 | 5000 | UPN 260 | 6300 |
| 14. | | 80 x 45 | 1000 | UPN 90 | 1800 | UPN 140 | 1200 | UPN 160 | 1200 | UPN 180 | 1000 | IPN 220 | 5000 | UPN 260 | 6300 |
| 15. | | N/A | | N/A | | IPE 160 | 3000 | IPE 160 | 1200 | IPE 180 | 1800 | IPE 240 | 5000 | IPE 260 | 6300 |
| 16. | | N/A | | N/A | | HE A = 140 HE B = 120 | 3000 3000 | HE A = 160 HE B = 140 | 2000 2000 | HE A = 200 HE B = 180 | 3000 2700 | HE A = 220 HE B = 200 | 5000 5000 | HE A = 260 HE B = 240 | 9000 9000 |
| 17. | | N/A | | N/A | | UPN 100 x 12 | 2400 | UPN120 | 3000 | UPN 140 x 55 | 5000 | UPN 200 | 9500 | IPN 260 | 9500 |
| 18. | | N/A | | N/A | | INP 100 | 3000 | INP 140 | 4500 | INP 160 | 6000 | INP 180 | 6000 | INP 180 | 4000 |
| 19. | | N/A | | N/A | | HE A = 100 HE B = 100 | 3600 4000 | HE A = 140 HE B = 120 | 6000 6000 | HE A = 160 HE B = 140 | 6000 6000 | HE A = 160 HE B = 160 | 5500 6000 | HE A = 200 HE B = 180 | 6000 8000 |

Capacities are given for 260 N/mm² plate yielding strength | * Specialist tooling recommended | ** Specialist tooling required



AR 360



ARL 80

CAPACITIES

| MODEL | AR-ARL 200 | | AR-ARL 250 | | AR-ARL 300 | | AR-ARL 330 | | AR-ARL 360 | | AR-ARL 440 | | AR-ARL 530 | |
|---------|--------------------------|----------------|--------------------------|----------------|--------------------------|----------------|--------------------------|----------------|--------------------------|----------------|--------------------------|----------------|----------------------------|----------------|
| PROFILE | Size | Min. Dia. | Size | Min. Dia. | Size | Min. Dia. | Size | Min. Dia. | Size | Min. Dia. | Size | Min. Dia. | Size | Min. Dia. |
| 1. | 200 x 35 | 2200 | 210 x 50 | 2600 | 250 x 60 | 2500 | 280 x 70 | 3500 | 400 x 80 | 3000 | 400 x 80 | 3000 | 540 x 100 | 10000 |
| 2. | 280 x 60 | 2300 | 280 x 70 340 x 70 | 2300 4500 | 320 x 80 480 x 80 | 3000 4500 | 320 x 90 480 x 90 | 3000 4500 | 400 x 100 650 x 100 | 3000 4500 | 430 x 130 | 5000 | 500 x 150 | 10000 |
| 3. | 130 | 3400 | 130 | 3600 | 170 | 3000 | 180 | 3000 | 240 | 2000 | 260 | 4000 | 280 | 8000 |
| 4. | 135 | 2200 | 150 | 2200 | 200 | 3000 | 220 | 3000 | 260 | 2000 | 280 | 9000 | 350 | 16000 |
| 5. | 273 x 5 | 13000 | 298.5 x 5 | 13000 | 368 x 8 | 13000 | 408 x 7 | 13000 | 508 x 15 | 13000 | 508 x 12 | 28000 | 916 x 22 | 58000 |
| 6. | 280 x 80 x 8 | 6000 | 240 x 80 x 8 | 6000 | 250 x 150 x 12 | 12000 | 300 x 100 x 12 | 12000 | 420 x 200 x 14 | 16000 | 400 x 200 x 12 | 15000 | 480 x 250 x 14 | 20000 |
| 7. | 165 x 10 | 6000 | 180 x 8 | 6000 | 250 x 10 | 10000 | 300 x 8 | 10000 | 400 x 6 | 15000 | 400 x 12 | 15000 | 600 x 20 | 21000 |
| 8. | 200 x 18 | 6400 | 200 x 20 | 6400 | 200 x 20 | 6000 | 240 x 24 | 6000 | 260 x 20 | 5000 | 300 x 25 | 10000 | 400 x 30 | 10000 |
| 9. | 180 x 14 | 6400 | 180 x 18 | 6400 | 200 x 20 | 6000 | 240 x 24 | 6000 | 260 x 20 | 5000 | 300 x 25 | 10000 | 400 x 30 | 10000 |
| 10. | 200 x 20 | 7400 | 220 x 20 | 7400 | 250 x 20 | 8500 | 280 | 8500 | 300 | 6000 | 400 | 9000 | 450 | 12000 |
| 11. | 200 x 20 | 7400 | 220 x 20 | 7400 | 250 x 20 | 8500 | 280 | 8500 | 300 | 6000 | 400 | 9000 | 450 | 12000 |
| 12. | 200 x 20 | 7400 | 220 x 20 | 7400 | 250 x 20 | 8500 | 280 | 8500 | 300 | 6000 | 400 | 9000 | 450 | 12000 |
| 13. | UPN 280 | 6300 | UPN 300 | 7000 | UPN 320 | 9000 | UPN 340 | 8500 | UPN 500 | 9000 | UPN 400 | 9000 | UPN 450 | 12000 |
| 14. | UPN 280 | 6300 | UPN 300 | 7000 | UPN 320 | 9000 | UPN 340 | 8500 | UPN 500 | 9000 | UPN 400 | 9000 | UPN 450 | 12000 |
| 15. | UPN 280 | 6300 | UPN 300 | 7000 | UPN 320 | 9000 | UPN 340 | 8500 | UPN 500 | 9000 | UPN 400 | 9000 | UPN 450 | 12000 |
| 16. | HE A = 280 HE B = 260 | 12000 9500 | HE A = 300 HE B = 280 | 12000 10000 | HE A = 320 HE B = 300 | 13500 13000 | HE A = 340 HE B = 320 | 13500 10000 | HE A = 360 HE B = 340 | 12000 18000 | HE A = 400 HE B = 400 | 12000 18000 | HE A = 600 HE B = 400 | 25000 30000 |
| 17. | UPN 280 | 9500 | UPN 300 | 11000 | UPN 320 | 14000 | UPN 340 | 14000 | UPN 500 | 30000 | UPN 600 | 30000 | UPN 700 | 35000 |
| 18. | INP 220 | 6000 | INP 270 | 6000 | INP 300 | 8000 | INP 320 | 9500 | INP 360 | 10000 | INP 400 | 10000 | INP 800 | 25000 |
| 19. | HE A = 240 HE B = 240 | 14000 12500 | HE A = 260 HE B = 260 | 9500 14000 | HE A = 280 HE B = 240 | 10000 10000 | HE A = 320 HE B = 400 | 15000 15000 | HE A = 400 HE B = 450 | 12000 18000 | HE A = 550 HE B = 550 | 20000 25000 | HE A = 1000 HE B = 1000 | 35000 35000 |

Capacities are given for 260 N/mm² plate yielding strength | * Specialist tooling recommended | ** Specialist tooling required



AR 200