

AMMANN

SOIL & ASPHALT COMPACTORS

PRODUCT RANGE

150



**Years of
Innovation**
Since 1869



AMMANN GROUP WORLDWIDE

20 REGIONAL HUBS & SUBSIDIARIES

9 MANUFACTURING FACILITIES & CENTRE OF COMPETENCE

14 TRAINING CENTRES

12 WAREHOUSES

200+ AGENCIES & SALES PARTNERS



PLANTS



ASPHALT-MIXING PLANTS
CONCRETE-MIXING PLANTS

MACHINES



LIGHT COMPACTION
SOIL & ASPHALT COMPACTION
ASPHALT PAVERS
ASPHALT RECYCLING

AN INNOVATIVE FAMILY FIRM

Ammann is a world-leading supplier of mixing plants, machines and services to the construction industry, with core expertise in road-building and transportation infrastructure. Our strengths are the forthcoming approach of a family firm that has been operating for many years, coupled with our strong and well-established international presence. Since 1869, we have been setting benchmarks in the road-building industry, thanks to countless innovations and solutions that are as competitive as they are dependable.

True to our motto, "Productivity Partnership for a Lifetime," we gear our activities to the needs and requirements of our customers around the globe. We are aware that plants and machines that prove their merits day after day under tough operating conditions are the only way to give our customers the critical, competitive edge they need. As you would expect, we provide a well-developed service network and reliable supply of spare parts, together with support throughout the lifetimes of the plants and machines that we offer.



GLOBAL DISTRIBUTION AND SERVICE NETWORK

- HEADQUARTERS
- REGIONAL HUBS
- SUBSIDIARIES
- MANUFACTURING FACILITIES & CENTRE OF COMPETENCE
- GLOBAL RETROFIT CENTRE
- WAREHOUSES
- TRAINING CENTRES
- AGENCIES & SALES PARTNERS

SOIL AND ASPHALT COMPACTORS

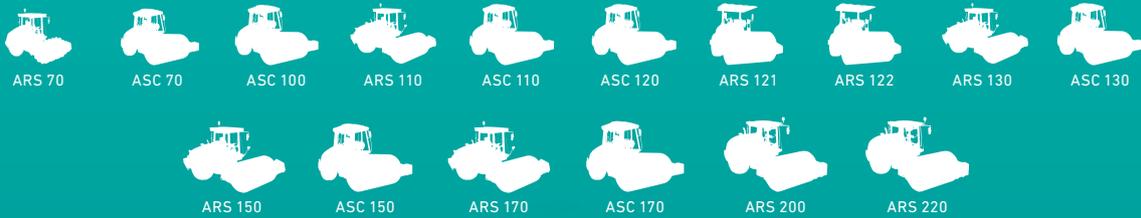
ELIMINATE PASSES

Compaction is about reaching your goals in the fewest passes possible. Ammann soil and asphalt compactors provide that needed efficiency through industry-leading technology and an ability to direct more force toward the target and away from the machine. The result: quality results in fewer passes and a more productive and profitable jobsite.



ARS / ASC SOIL COMPACTORS

SMOOTH DRUM



PADFOOT DRUM





ARX LIGHT TANDEM ROLLERS

ARX LINE 1



ARX 12 ARX 16 ARX 16C ARX 16K ARX 20

ARX LINE 2-2



ARX 23-2 ARX 23-2C ARX 26-2 ARX 26-2C

ARX LINE 4-2



ARX 36-2 ARX 40-2 ARX 40-2C ARX 45-2 ARX 45-2C



ART / AP PNEUMATIC TYRED ROLLERS



ART 240 AP 240 ART 280



ARX / AVX ARTICULATED TANDEM ROLLERS



AV 70 X AV 110 X AV 130 X



ARX 90 ARX 90C ARX 90K ARX 91



ARX 110 ARX 110C ARX 110K



ARP PIVOT-STEER TANDEM ROLLERS



ARP 95 ARP 95C

ARS / ASC SOIL COMPACTORS

It's hard to know what the next job will bring: Clay, sand or something in between? Will it require traditional compacting methods or will you have to adjust amplitude and frequency because of sensitive surroundings? Either way you will need a roller that produces. Ammann Soil Compactors provide industry-leading compaction outputs – whatever the application. Your jobsite conditions might change, but you will always have a need for productivity and performance.

APPLICATIONS

- Backfilling
- Building construction
- Transport construction including motorways, railways and airports
- Dams
- Harbors
- Industrial zones

ARS SOIL COMPACTORS

PRODUCTIVITY

- High compaction output - faster compaction of thicker layers in fewer passes
- No-rear-axle concept – optimal stability and low center of gravity, which significantly improves safety on jobsites
- Variable range of vibration frequencies for added versatility
- ACE^{force} Intelligent Compaction tool for higher compaction efficiency

ERGONOMICS

- Spacious, quiet cab with integrated ROPS structure
- New multifunctional display for intuitive machine control and operation
- Excellent machine visibility with 360° view to machine edges and surroundings
- Innovative travel lever with speed adjustment and wider machine speed range (newly 5+1 speed instead of 3+1)

SERVICEABILITY

- All service points and engine compartment accessible from the ground
- Wide-opening rear hood for easy and fast daily maintenance
- Tilttable cab for exceptional access to main hydraulic components, which significantly reduces labour (excludes ARS 70)
- ECOdrop – machine efficiency and reductions in fuel consumption and required fluids

ASC SOIL COMPACTORS (incl. ARS 121 / 122)

PRODUCTIVITY

High compaction output

Faster compaction of thicker layers in fewer passes

No-rear-axle concept

Compact machine design for high stability, manoeuvrability and service access

Excellent gradeability

Exceptional traction in all conditions due to fully hydrostatic drive system

ACE^{pro}/ACE^{force}

Intelligent compaction tools for best efficiency and productivity

ERGONOMICS

Cab design

Spacious cab with low sound levels for all-day operator comfort

Simple and reliable dashboard

Intuitive machine control, even with an unskilled operator

Visibility

Optimal all-around machine visibility for safety on the jobsite

SERVICEABILITY

Tilttable cabin and engine hood

Best access to service points and engine compartment

Ground access to service and maintenance points

Easy and fast daily maintenance



ARS SERIES
SOIL COMPACTORS



ARS 121 / 122
SOIL COMPACTORS



ASC SERIES
SOIL COMPACTORS

“Ammann Soil Compactors provide industry-leading compaction outputs regardless of the application.”



SMOOTH DRUM



ARS 70



ASC 70



ASC 100

OPERATING WEIGHT	6490 kg (14 310 lb)	7140 kg (15 740 lb)	10 120 kg (22 310 lb)
WORKING WIDTH	1680 mm (66.1 in)	1680 mm (66.1 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	73 / 135 kN (16 411.1 / 30 349.2 lbf)	130 / 145 kN (29 225.2 / 32 597.3 lbf)	160 / 275 kN (35 969.4 / 61 822.5 lbf)
FREQUENCY	33 / 36 Hz (1980 / 2160 VPM)	30 / 41 Hz (1800 / 2460 VPM)	32 / 35 Hz (1920 / 2100 VPM)
AMPLITUDE	1.65 / 0.7 mm (0.065 / 0.028 in)	1.7 / 0.86 mm (0.067 / 0.034 in)	1.85 / 0.9 mm (0.073 / 0.035 in)
ENGINE	Kubota - V3307-CR-TE4	Cummins - QSB3.3-C99	Cummins - 4BTA3.9-C116
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3	EU Stage I / US EPA Tier 1



ARS 110



ARS 110



ASC 110

OPERATING WEIGHT	10 860 kg (23 940 lb)	10 860 kg (23 940 lb)	11 490 kg (25 330 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	161 / 297 kN (36 194.2 / 66 768.3 lbf)	161 / 297 kN (36 194.2 / 66 768.3 lbf)	160 / 275 kN (35 969.4 / 61 822.5 lbf)
FREQUENCY	31 / 35 Hz (1860 / 2100 VPM)	31 / 35 Hz (1860 / 2100 VPM)	32 / 35 Hz (1920 / 2100 VPM)
AMPLITUDE	2.06 / 0.88 mm (0.081 / 0.035 in)	2.06 / 0.88 mm (0.081 / 0.035 in)	1.85 / 0.9 mm (0.073 / 0.035 in)
ENGINE	Deutz - TCD3.6 L4	Deutz - TCD3.6 L4	Cummins - QSB4.5-C160
	EU Stage V / US EPA Tier 4 Final	EU Stage IV / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3



ASC 120



ARS 121



ASC 122

OPERATING WEIGHT	11 500 kg (25 350 lb)	11 100 kg (24 471 lb)	11 110 kg (24 471 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	206 / 277 kN (46 310.6 / 62 272.1 lbf)	160 / 275 kN (35 969.4 / 61 822.5 lbf)	160 / 275 kN (35 969.4 / 61 822.5 lbf)
FREQUENCY	32 / 35 Hz (1920 / 2100 VPM)	32/35 Hz (1920/2100 VPM)	32 / 35 Hz (1920 / 2100 VPM)
AMPLITUDE	1.65 / 0.9 mm (0.065 / 0.035 in)	1.85/0.9 mm (0.073/0.035 in)	1.85 / 0.9 mm (0.073 / 0.035 in)
ENGINE	Cummins - 4BTA3.9-C116	Cummins 4BTAA 3.9-C99 / or Equivalent	Cummins 4BTAA 3.9-C99 / or Equivalent
	EU Stage I / US EPA Tier 1	Bharat Stage III (equivalent to T3)	Bharat Stage III (equivalent to T3)



ARS 130



ARS 130



ASC 130

OPERATING WEIGHT	12 580 kg (27 730 lb)	12 580 kg (27 730 lb)	12 510 kg (27 580 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	161 / 297 kN (36 194.2 / 66 768.3 lbf)	161 / 297 kN (36 194.2 / 66 768.3 lbf)	230 / 300 kN (51 706.1 / 67 442.7 lbf)
FREQUENCY	31 / 35 Hz (1860 / 2100 VPM)	31 / 35 Hz (1860 / 2100 VPM)	30 / 36 Hz (1800 / 2160 VPM)
AMPLITUDE	2.06 / 0.88 mm (0.081 / 0.035 in)	2.06 / 0.88 mm (0.081 / 0.035 in)	1.9 / 1.05 mm (0.075 / 0.041 in)
ENGINE	Deutz - TCD3.6 L4	Deutz - TCD3.6 L4	Cummins - QSB4.5-C160
	EU Stage V / US EPA Tier 4 Final	EU Stage IV / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3



ARS 150



ASC 150

OPERATING WEIGHT	14 840 kg (32 720 lb)	14 580 kg (32 140 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	224 / 338 kN (50 357.2 / 75 985.4 lbf)	237 / 325 kN (53 279.7 / 73 062.9 lbf)
FREQUENCY	29 / 35 Hz (1740 / 2100 VPM)	29 / 35 Hz (1740 / 2100 VPM)
AMPLITUDE	2.06 / 0.88 mm (0.081 / 0.035 in)	2 / 1 mm (0.079 / 0.039 in)
ENGINE	Deutz - TCD4.1 L4	Cummins - QSB4.5-C160
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3



ARS 170



ASC 170

OPERATING WEIGHT	16 340 kg (36 020 lb)	16 270 kg (35 870 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	222 / 333 kN (49 907.6 / 74 861.4 lbf)	260 / 335 kN (58 450.3 / 75 311 lbf)
FREQUENCY	28 / 35 Hz (1680 / 2100 VPM)	28 / 35 Hz (1680 / 2100 VPM)
AMPLITUDE	2.23 / 0.95 mm (0.088 / 0.037 in)	2.2 / 1.2 mm (0.087 / 0.047 in)
ENGINE	Deutz - TCD4.1 L4	Cummins - QSB4.5-C160
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3



ARS 200



ARS 200

OPERATING WEIGHT	19 750 kg (43 540 lb)	19 750 kg (43 540 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	300 / 375 kN (67 442.7 / 84 303.4 lbf)	300 / 375 kN (67 442.7 / 84 303.4 lbf)
FREQUENCY	27 / 34 Hz (1620 / 2040 VPM)	27 / 34 Hz (1620 / 2040 VPM)
AMPLITUDE	2 / 1 mm (0.079 / 0.039 in)	2 / 1 mm (0.079 / 0.039 in)
ENGINE	Deutz - TCD6.1 L6	Deutz - TCD6.1 L6
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3



ARS 220



ARS 220

OPERATING WEIGHT	21 930 kg (48 350 lb)	21 630 kg (47 690 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	300 / 375 kN (67 442.7 / 84 303.4 lbf)	300 / 375 kN (67 442.7 / 84 303.4 lbf)
FREQUENCY	27 / 34 Hz (1620 / 2040 VPM)	27 / 34 Hz (1620 / 2040 VPM)
AMPLITUDE	2 / 1 mm (0.079 / 0.039 in)	2 / 1 mm (0.079 / 0.039 in)
ENGINE	Deutz - TCD6.1 L6	Deutz - TCD6.1 L6
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3

PADFOOT DRUM



ARS 70



ASC 70



ASC 100

OPERATING WEIGHT	6910 kg (15 230 lb)	7090 kg (15 630 lb)	10 860 kg (23 940 lb)
WORKING WIDTH	1680 mm (66.1 in)	1680 mm (66.1 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	73 / 135 kN (16 411.1 / 30 349.2 lbf)	130 / 145 kN (29 225.2 / 32 597.3 lbf)	160 / 275 kN (35 969.4 / 61 822.5 lbf)
FREQUENCY	30 / 36 Hz (1800 / 2160 VPM)	30 / 41 Hz (1800 / 2460 VPM)	32 / 35 Hz (1920 / 2100 VPM)
AMPLITUDE	1.65 / 0.71 mm (0.065 / 0.028 in)	1.7 / 0.86 mm (0.067 / 0.034 in)	1.6 / 0.97 mm (0.063 / 0.038 in)
ENGINE	Kubota - V3307-CR-TE4	Cummins - QSB3.3-C99	Cummins - 4BTA3.9-C116
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3	EU Stage I / US EPA Tier 1



ARS 110



ARS 110



ASC 110

OPERATING WEIGHT	11 485 kg (25 320 lb)	11 485 kg (25 320 lb)	12 100 kg (26 680 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	161 / 297 kN (36 194.2 / 66 768.3 lbf)	161 / 297 kN (36 194.2 / 66 768.3 lbf)	220 / 277 kN (49 458 / 62 272.1 lbf)
FREQUENCY	31 / 35 Hz (1860 / 2100 VPM)	31 / 35 Hz (1860 / 2100 VPM)	31 / 35 Hz (1860 / 2100 VPM)
AMPLITUDE	1.7 / 0.7 mm (0.067 / 0.028 in)	1.7 / 0.7 mm (0.067 / 0.028 in)	2 / 1.1 mm (0.079 / 0.043 in)
ENGINE	Deutz - TCD3.6 L4	Deutz - TCD3.6 L4	Cummins - QSB4.5-C160
	EU Stage V / US EPA Tier 4 Final	EU Stage IV / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3



ASC 120

OPERATING WEIGHT	12 060 kg (26 060 lb)
WORKING WIDTH	2130 mm (83.9 in)
CENTRIFUGAL FORCE	206 / 277 kN (46 310.6 / 62 272.1 lbf)
FREQUENCY	32 / 35 Hz (1920 / 2100 VPM)
AMPLITUDE	1.55 / 0.9 mm (0.061 / 0.035 in)
ENGINE	Cummins - 4BTA3.9-C116
	EU Stage I / US EPA Tier 1



ARS 130



ARS 130



ASC 130

OPERATING WEIGHT	13 205 kg (29 110 lb)	13 205 kg (29 110 lb)	12 740 kg (28 090 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	161 / 297 kN (36 194.2 / 66 768.3 lbf)	161 / 297 kN (36 194.2 / 66 768.3 lbf)	230 / 300 kN (51 706.1 / 67 442.7 lbf)
FREQUENCY	31 / 35 Hz (1860 / 2100 VPM)	31 / 35 Hz (1860 / 2100 VPM)	30 / 36 Hz (1800 / 2160 VPM)
AMPLITUDE	1.7 / 0.7 mm (0.067 / 0.028 in)	1.7 / 0.7 mm (0.067 / 0.028 in)	1.85 / 1 mm (0.073 / 0.039 in)
ENGINE	Deutz - TCD3.6 L4	Deutz - TCD3.6 L4	Cummins - QSB4.5-C160
	EU Stage V / US EPA Tier 4 Final	EU Stage IV / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3



ARS 150



ASC 150

OPERATING WEIGHT	15 160 kg (33 420 lb)	14 490 kg (31 940 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	224 / 338 kN (50 357.2 / 75 985.4 lbf)	237 / 326 kN (53 279.7 / 73 287.7 lbf)
FREQUENCY	29 / 35 Hz (1740 / 2100 VPM)	29 / 35 Hz (1740 / 2100 VPM)
AMPLITUDE	2.06 / 0.88 mm (0.081 / 0.035 in)	2 / 1 mm (0.079 / 0.039 in)
ENGINE	Deutz - TCD4.1 L4	Cummins - QSB4.5-C160
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3



ARS 170



ASC 170

OPERATING WEIGHT	16 555 kg (36 500 lb)	16 170 kg (35 650 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	222 / 333 kN (49 907.6 / 74 861.4 lbf)	260 / 335 kN (58 450.3 / 75 311 lbf)
FREQUENCY	28 / 35 Hz (1680 / 2100 VPM)	28 / 35 Hz (1680 / 2100 VPM)
AMPLITUDE	2.14 / 0.91 mm (0.084 / 0.036 in)	2.2 / 1.1 mm (0.087 / 0.043 in)
ENGINE	Deutz - TCD4.1 L4	Cummins - QSB4.5-C160
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3



ARS 200



ARS 200

OPERATING WEIGHT	19 875 kg (43 820 lb)	19 875 kg (43 820 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	300 / 375 kN (67 442.7 / 84 303.4 lbf)	300 / 375 kN (67 442.7 / 84 303.4 lbf)
FREQUENCY	27 / 34 Hz (1620 / 2040 VPM)	27 / 34 Hz (1620 / 2040 VPM)
AMPLITUDE	2 / 1 mm (0.079 / 0.039 in)	2 / 1 mm (0.079 / 0.039 in)
ENGINE	Deutz - TCD6.1 L6	Deutz - TCD6.1 L6
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3



ARS 220



ARS 220

OPERATING WEIGHT	22 060 kg (48 630 lb)	21 760 kg (47 970 lb)
WORKING WIDTH	2130 mm (83.9 in)	2130 mm (83.9 in)
CENTRIFUGAL FORCE	300 / 375 kN (67 442.7 / 84 303.4 lbf)	300 / 375 kN (67 442.7 / 84 303.4 lbf)
FREQUENCY	27 / 34 Hz (1620 / 2040 VPM)	27 / 34 Hz (1620 / 2040 VPM)
AMPLITUDE	2 / 1 mm (0.079 / 0.039 in)	2 / 1 mm (0.079 / 0.039 in)
ENGINE	Deutz - TCD6.1 L6	Deutz - TCD6.1 L6
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 3

ARX LIGHT TANDEM VIBRATORY ROLLERS

Customer input plays a crucial role in developing the features that are built into all Ammann products, including light tandem rollers. Those requests include an ability to quickly switch between in-line and off-set drum settings as jobsite conditions change. A smart compaction system and easy serviceability also fulfill customer needs.

APPLICATIONS

- Small and medium construction sites
- Jobsites with obstructions
- Road maintenance

PRODUCTIVITY

- Electronic drive lever for smooth starts and stops, especially important on asphalt jobs
- An adjustable steering joint, which enables quick changes between in-line and off-set drums (excludes ARX 1)
- 2-stage sprinkling filtration system with large water tanks for extended intervals between fillings
- ACE^{force}, the Intelligent Compaction tool for optimal efficiency (excludes ARX 1)

ERGONOMICS

- Spacious operator platform with sliding seat (excludes ARX 1)
- Simple and reliable dashboard with intuitive machine control, helping inexperienced operators succeed
- Optimal all-around machine visibility for safety on the jobsite

SERVICEABILITY

- Easy and fast daily maintenance
- Accessible service and maintenance points
- Maintenance-free parts



ARX SERIES 1
LIGHT TANDEM
VIBRATORY ROLLERS



ARX SERIES 2-2
LIGHT TANDEM
VIBRATORY ROLLERS



ARX SERIES 2-4
LIGHT TANDEM
VIBRATORY ROLLERS

“Ammann Tandem Rollers provide operator comfort and easy adjustment of amplitude and frequency.”





ARX 12

OPERATING WEIGHT	1460 kg (3220 lb)	1475 kg (3251.8 lb)
WORKING WIDTH	820 mm (32.3 in)	820 mm (32.3 in)
DRUM OFFSET	50 mm (1.97 in)	50 mm (1.97 in)
CENTRIFUGAL FORCE	19 / 22 kN (4271.4 / 4945.8 lbf)	23 kN (5170.6 lbf)
FREQUENCY	58 / 66 Hz (3480 / 3960 VPM)	58 / 66 Hz (3480 / 3960 VPM)
AMPLITUDE	0.5 / 0.5 mm (0.02 / 0.02 in)	0.5 mm (0.02 in)
ENGINE	Yanmar - 3TNV80F-SPAMM	Yanmar - 3TNV76
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 4 Interim



ARX 12



ARX 16

OPERATING WEIGHT	1520 kg (3350 lb)	1520 kg (3350 lb)	1450 kg (3200 lb)	1460 kg (3218.7 lb)
WORKING WIDTH	900 mm (35.4 in)	900 mm (35.4 in)	900 mm (35.4 in)	900 mm (35.4 in)
DRUM OFFSET	50 mm (1.97 in)	50 mm (1.97 in)	-	-
CENTRIFUGAL FORCE	20 / 23 kN (4496.2 / 5170.6 lbf)	23 kN (5170.6 lbf)	20 / 23 kN (4496.2 / 5170.6 lbf)	23 kN (5170.6 lbf)
FREQUENCY	58 / 66 Hz (3480 / 3960 VPM)	58 / 66 Hz (3480 / 3960 VPM)	58 / 66 Hz (3480 / 3960 VPM)	58 / 66 Hz (3480 / 3960 VPM)
AMPLITUDE	0.5 / 0.5 mm (0.02 / 0.02 in)	0.5 mm (0.02 in)	0.5 / 0.5 mm (0.02 / 0.02 in)	0.5 mm (0.02 in)
ENGINE	Yanmar - 3TNV80F-SPAMM	Yanmar - 3TNV76	Yanmar - 3TNV80F-SPAMM	Yanmar - 3TNV76
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 4 Interim	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 4 Interim



ARX 16



ARX 16C



ARX 16K



ARX 20

OPERATING WEIGHT	1550 kg (3420 lb)	1570 kg (3461.3 lb)
WORKING WIDTH	1000 mm (39.4 in)	1000 mm (39.4 in)
DRUM OFFSET	50 mm (1.97 in)	50 mm (1.97 in)
CENTRIFUGAL FORCE	21 / 24 kN (4721 / 5395.4 lbf)	24 kN (5395.4 lbf)
FREQUENCY	58 / 66 Hz (3480 / 3960 VPM)	58 / 66 Hz (3480 / 3960 VPM)
AMPLITUDE	0.5 / 0.5 mm (0.02 / 0.02 in)	0.45 mm (0.02 in)
ENGINE	Yanmar - 3TNV80F-SPAMM	Yanmar - 3TNV76
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 4 Interim



ARX 20



ARX 23-2

OPERATING WEIGHT	2230 kg (4920 lb)	2230 kg (4920 lb)	2085 kg (4600 lb)	2230 kg (4920 lb)
WORKING WIDTH	1000 mm (39.4 in)	1000 mm (39.4 in)	1000 mm (39.4 in)	1000 mm (39.4 in)
DRUM OFFSET	40 mm (1.57 in)	40 mm (1.57 in)	-	-
CENTRIFUGAL FORCE	33.4 / 39.9 kN (7508.6 / 8969.9 lbf)	33.4 / 39.9 kN (7508.6 / 8969.9 lbf)	33.4 / 39.9 kN (7508.6 / 8969.9 lbf)	33.4 / 39.9 kN (7508.6 / 8969.9 lbf)
FREQUENCY	58 / 66 Hz (3480 / 3960 VPM)	58 / 66 Hz (3480 / 3960 VPM)	58 / 66 Hz (3480 / 3960 VPM)	58 / 66 Hz (3480 / 3960 VPM)
AMPLITUDE	58 / 66 Hz (3480 / 3960 VPM)	58 / 66 Hz (3480 / 3960 VPM)	0.5 / 0.5 mm (0.02 / 0.02 in)	58 / 66 Hz (3480 / 3960 VPM)
ENGINE	Kubota - D1803-CR-E4B	Kubota D1803-M-DI-E3B	Kubota - D1803-CR-E4B	Kubota D1803-M-DI-E3B
	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 4 Interim	EU Stage V / US EPA Tier 4 Final	EU Stage IIIA / US EPA Tier 4 Interim



ARX 23-2



ARX 23-2C



ARX 23-2C



ARX 26-2

OPERATING WEIGHT	2515 kg (5540 lb)
WORKING WIDTH	1200 mm (47.2 in)
DRUM OFFSET	40 mm (1.57 in)
CENTRIFUGAL FORCE	38.8 / 46.5 kN (8722.6 / 10 453.6 lbf)
FREQUENCY	58 / 66 Hz (3480 / 3960 VPM)
AMPLITUDE	0.5 / 0.5 mm (0.02 / 0.02 in)
ENGINE	Kubota - D1803-CR-E4B EU Stage V / US EPA Tier 4 Final



ARX 26-2

OPERATING WEIGHT	2515 kg (5540 lb)
WORKING WIDTH	1200 mm (47.2 in)
DRUM OFFSET	40 mm (1.57 in)
CENTRIFUGAL FORCE	38.8 / 46.5 kN (8722.6 / 10 453.6 lbf)
FREQUENCY	58 / 66 Hz (3480 / 3960 VPM)
AMPLITUDE	0.5 / 0.5 mm (0.02 / 0.02 in)
ENGINE	Kubota D1803-M-DI-E3B EU Stage IIIA / US EPA Tier 4 Interim



ARX 26-2C

OPERATING WEIGHT	2350 kg (5180 lb)
WORKING WIDTH	1200 mm (47.2 in)
DRUM OFFSET	–
CENTRIFUGAL FORCE	38.8 / 46.5 kN (8722.6 / 10 453.6 lbf)
FREQUENCY	58 / 66 Hz (3480 / 3960 VPM)
AMPLITUDE	0.5 / 0.5 mm (0.02 / 0.02 in)
ENGINE	Kubota - D1803-CR-E4B EU Stage V / US EPA Tier 4 Final



ARX 26-2C

OPERATING WEIGHT	2350 kg (5180 lb)
WORKING WIDTH	1200 mm (47.2 in)
DRUM OFFSET	–
CENTRIFUGAL FORCE	38.8 / 46.5 kN (8722.6 / 10 453.6 lbf)
FREQUENCY	58 / 66 Hz (3480 / 3960 VPM)
AMPLITUDE	0.5 / 0.5 mm (0.02 / 0.02 in)
ENGINE	Kubota D1803-M-DI-E3B EU Stage IIIA / US EPA Tier 4 Interim



ARX 36-2

OPERATING WEIGHT	3760 kg (8290 lb)
WORKING WIDTH	1300 mm (51.2 in)
DRUM OFFSET	40 mm (1.57 in)
CENTRIFUGAL FORCE	39.3 / 50.7 / 51.9 kN (8835 / 11 397.8 / 11 667.6 lbf)
FREQUENCY	41 / 55 Hz (2460 / 3300 VPM)
AMPLITUDE	0.6 / 0.4 mm (0.024 / 0.016 in)
ENGINE	Kubota - D1803-CR-E4B EU Stage V / US EPA Tier 4 Final



ARX 36-2

OPERATING WEIGHT	3760 kg (8290 lb)
WORKING WIDTH	1300 mm (51.2 in)
DRUM OFFSET	40 mm (1.57 in)
CENTRIFUGAL FORCE	39.3 / 50.7 / 51.9 kN (8835 / 11 397.8 / 11 667.6 lbf)
FREQUENCY	41 / 55 Hz (2460 / 3300 VPM)
AMPLITUDE	0.6 / 0.4 mm (0.024 / 0.016 in)
ENGINE	Kubota V2403-M-E3B EU Stage IIIA / US EPA Tier 4 Interim



ARX 40-2

OPERATING WEIGHT	4160 kg (9170 lb)
WORKING WIDTH	1300 mm (51.2 in)
DRUM OFFSET	40 mm (1.57 in)
CENTRIFUGAL FORCE	42.4 / 53.8 / 55 kN (9531.9 / 12 094.7 / 12 364.5 lbf)
FREQUENCY	41 / 55 Hz (2460 / 3300 VPM)
AMPLITUDE	0.6 / 0.4 mm (0.024 / 0.016 in)
ENGINE	Kubota - D1803-CR-E4B EU Stage V / US EPA Tier 4 Final



ARX 40-2

OPERATING WEIGHT	4160 kg (9170 lb)
WORKING WIDTH	1300 mm (51.2 in)
DRUM OFFSET	40 mm (1.57 in)
CENTRIFUGAL FORCE	42.4 / 53.8 / 55 kN (9531.9 / 12 094.7 / 12 364.5 lbf)
FREQUENCY	41 / 55 Hz (2460 / 3300 VPM)
AMPLITUDE	0.6 / 0.4 mm (0.024 / 0.016 in)
ENGINE	Kubota V2403-M-E3B EU Stage IIIA / US EPA Tier 4 Interim



ARX 40-2C

OPERATING WEIGHT	4060 kg (8950 lb)
WORKING WIDTH	1300 mm (51.2 in)
DRUM OFFSET	–
CENTRIFUGAL FORCE	42.4 / 53.8 / 55 kN (9531.9 / 12 094.7 / 12 364.5 lbf)
FREQUENCY	41 / 55 Hz (2460 / 3300 VPM)
AMPLITUDE	0.6 / 0.4 mm (0.024 / 0.016 in)
ENGINE	Kubota - D1803-CR-E4B EU Stage V / US EPA Tier 4 Final



ARX 40-2C

OPERATING WEIGHT	4060 kg (8950 lb)
WORKING WIDTH	1300 mm (51.2 in)
DRUM OFFSET	–
CENTRIFUGAL FORCE	42.4 / 53.8 / 55 kN (9531.9 / 12 094.7 / 12 364.5 lbf)
FREQUENCY	41 / 55 Hz (2460 / 3300 VPM)
AMPLITUDE	0.6 / 0.4 mm (0.024 / 0.016 in)
ENGINE	Kubota V2403-M-E3B EU Stage IIIA / US EPA Tier 4 Interim



ARX 45-2

OPERATING WEIGHT	4690 kg (10 340 lb)
WORKING WIDTH	1380 mm (54.3 in)
DRUM OFFSET	40 mm (1.57 in)
CENTRIFUGAL FORCE	45 / 56.4 / 57.6 kN (10 116.4 / 12 679.2 / 12 949 lbf)
FREQUENCY	41 / 55 Hz (2460 / 3300 VPM)
AMPLITUDE	0.6 / 0.4 mm (0.024 / 0.016 in)
ENGINE	Kubota - D1803-CR-E4B EU Stage V / US EPA Tier 4 Final



ARX 45-2

OPERATING WEIGHT	4690 kg (10 340 lb)
WORKING WIDTH	1380 mm (54.3 in)
DRUM OFFSET	40 mm (1.57 in)
CENTRIFUGAL FORCE	45 / 56.4 / 57.6 kN (10 116.4 / 12 679.2 / 12 949 lbf)
FREQUENCY	41 / 55 Hz (2460 / 3300 VPM)
AMPLITUDE	0.6 / 0.4 mm (0.024 / 0.016 in)
ENGINE	Kubota V2403-M-E3B EU Stage IIIA / US EPA Tier 4 Interim



ARX 45-2C

OPERATING WEIGHT	4320 kg (9520 lb)
WORKING WIDTH	1380 mm (54.3 in)
DRUM OFFSET	–
CENTRIFUGAL FORCE	45 / 56.4 / 57.6 kN (10 116.4 / 12 679.2 / 12 949 lbf)
FREQUENCY	41 / 55 Hz (2460 / 3300 VPM)
AMPLITUDE	0.6 / 0.4 mm (0.024 / 0.016 in)
ENGINE	Kubota - D1803-CR-E4B EU Stage V / US EPA Tier 4 Final



ARX 45-2C

OPERATING WEIGHT	4320 kg (9520 lb)
WORKING WIDTH	1380 mm (54.3 in)
DRUM OFFSET	–
CENTRIFUGAL FORCE	45 / 56.4 / 57.6 kN (10 116.4 / 12 679.2 / 12 949 lbf)
FREQUENCY	41 / 55 Hz (2460 / 3300 VPM)
AMPLITUDE	0.6 / 0.4 mm (0.024 / 0.016 in)
ENGINE	Kubota V2403-M-E3B EU Stage IIIA / US EPA Tier 4 Interim

ARP PIVOT-STEER TANDEM ROLLER

Ammann Pivot-Steer Tandem Rollers offer varied settings that provide versatility in many applications while the strong vibratory system delivers essential compaction power.

APPLICATIONS

- Medium and large compaction sites
- Transport construction
- Municipal and town roads
- Motorways
- Airfields
- Housing developments
- Industrial zones
- City centres

PRODUCTIVITY

- Pivot steering with split drums for optimum manoeuvrability
- A standard differential lock for improved traction on difficult jobsites and easier machine loading
- Best-in-class working width (3070 mm/120.9 in)
- A variable range of vibration frequencies for added versatility
- ACE^{pro}/ACE^{force} Intelligent Compaction tools to help eliminate unnecessary passes of the roller

ERGONOMICS

- A spacious cab with low sound levels and 270° rotating seat for all-day operator comfort
- A multifunctional display for intuitive machine control and operation, helping even inexperienced operators be safe and productive
- Optimum all-around machine visibility for comfort and safety

SERVICEABILITY

- A tiltable cab that provides easy access to service points and the engine compartment
- Large engine doors, accessible from the ground, to facilitate maintenance operations and minimise downtime
- ECOdrop feature – machine efficiency and reductions in fuel consumption and required fluids



ARP SERIES
PIVOT-STEER TANDEM ROLLER



ARP 95



ARP 95C

OPERATING WEIGHT	9700 kg (21 380 lb)	9250 kg (20 390 lb)
WORKING WIDTH	1680 mm (66.1 in)	1680 mm (66.1 in)
DRUM OFFSET	1390 mm (54.7 in)	1355 mm (53.4 in)
CENTRIFUGAL FORCE	91 / 60 kN (20 457.6 / 13 488.5 lbf)	91 / 60 kN (20 457.6 / 13 488.5 lbf)
FREQUENCY	42 / 52 Hz (2520 / 3120 VPM)	42 / 52 Hz (2520 / 3120 VPM)
AMPLITUDE	0.65 / 0.28 mm (0.026 / 0.01 in)	0.65 / 0.28 mm (0.026 / 0.01 in)
ENGINE	Deutz - TCD3.6 L4 EU Stage V / US EPA Tier 4 Final	Deutz - TCD3.6 L4 EU Stage V / US EPA Tier 4 Final

“The compactor can pound out production on straightaway projects, thanks to its industry-leading compaction width of 3070 mm (120.9 in).”



ARX & AVX ARTICULATED TANDEM ROLLERS

Ammann Articulated Tandem Rollers provide features and benefits that ultimately lead to added value for owners. The machines deliver industry-leading compaction output, and do so efficiently, too.

APPLICATIONS

- Medium and large compaction sites
- Transport construction
- Municipal and town roads
- Motorways
- Airfields
- Housing developments
- Industrial zones
- City centres

PRODUCTIVITY

Machine design

Compact machine design for high stability, manoeuvrability and access

Articulation joint with oscillation

Increased surface coverage and quality, together with drum offset for higher coverage

ACE^{force}

Intelligent Compaction tool optimal efficiency

ERGONOMICS

Cab design

Spacious cab with low noise levels and 170° rotating seat for operator comfort

Multifunctional display

Multifunctional display integrated in steering wheel for best machine control and overview

Visibility

Exceptional all-around machine visibility for higher safety on the jobsite

SERVICEABILITY

Wide engine doors

Ideal access to service points

Easy access to service points without additional tools

Easy and fast daily maintenance



ARX SERIES
ARTICULATED
TANDEM ROLLERS



ARX 91
ARTICULATED
TANDEM ROLLER



AVX SERIES
ARTICULATED
TANDEM ROLLERS



AV 70 X



AV 110 X



AV 130 X



ARX 91

OPERATING WEIGHT	7360 kg (16 230 lb)	10 400 kg (22 930 lb)	13 080 kg (28 840 lb)	9200 kg (20 282 lb)
WORKING WIDTH	1450 mm (57,1 in)	1700 mm (67 in)	2100 mm (82.7 in)	1700 mm (67 in)
DRUM OFFSET	180 mm (7.1 in)	160 mm (6.3 in)	160 mm (6.3 in)	–
CENTRIFUGAL FORCE	65 / 55 kN (14 612.6 / 12 364.5 lbf)	110 / 83 kN (24 729 / 18 659.1 lbf)	135 / 116 kN (30 349.2 / 26 077.8 lbf)	78 / 67 kN (17 535.1 / 15 062.2 lbf)
FREQUENCY	43 / 52 Hz (2580 / 3120 VPM)	45 / 55 Hz (2700 / 3300 VPM)	42 / 55 Hz (2520 / 3300 VPM)	42 / 55 Hz (2520 / 3300 VPM)
AMPLITUDE	0.6 / 0.33 mm (0.024 / 0.013 in)	0.7 / 0.35 mm (0.028 / 0.014 in)	0.8 / 0.4 mm (0.031 / 0.016 in)	0.7 / 0.35 mm (0.028 / 0.014 in)
ENGINE	Cummins - BTAA3.3-C80 EU Stage IIIA / US EPA Tier 3	Cummins - QSB3.3-C99 EU Stage IIIA / US EPA Tier 3	Cummins - QSB4.5-C130 EU Stage IIIA / US EPA Tier 3	Cummins - 4B3.3TAA-60-C Bharat Stage III (equivalent to T3)



ARX 90



ARX 90C



ARX 90



ARX 90K

OPERATING WEIGHT	9560 kg (21 080 lb)	9410 kg (20 750 lb)	9470 kg (20 880 lb)	9320 kg (20 550 lb)
WORKING WIDTH	1680 mm (66.1 in)	1680 mm (66.1 in)	1680 mm (66.1 in)	1680 mm (66.1 in)
DRUM OFFSET	170 mm (6.7 in)	170 mm (6.7 in)	170 mm (6.7 in)	170 mm (6.7 in)
CENTRIFUGAL FORCE	84 / 68 kN (18 884 / 15 287 lbf)	84 / 68 kN (18 884 / 15 287 lbf)	84 / 68 kN (18 884 / 15 287 lbf)	84 / 68 kN (18 884 / 15 287 lbf)
FREQUENCY	42 / 54 Hz (2520 / 3240 VPM)	42 / 54 Hz (2520 / 3240 VPM)	42 / 54 Hz (2520 / 3240 VPM)	42 / 54 Hz (2520 / 3240 VPM)
AMPLITUDE	0.7 / 0.34 mm (0.028 / 0.013 in)	0.7 / 0.34 mm (0.028 / 0.013 in)	0.7 / 0.34 mm (0.028 / 0.013 in)	0.7 / 0.34 mm (0.028 / 0.013 in)
ENGINE	Deutz - TCD3.6 L4 EU Stage IV / US EPA Tier 4f	Deutz - TCD3.6 L4 EU Stage IV / US EPA Tier 4f	Deutz - TCD3.6 L4 EU Stage IIIA / US EPA Tier 3	Deutz - TCD3.6 L4 EU Stage IIIA / US EPA Tier 3



ARX 110



ARX 110C



ARX 110



ARX 110K

OPERATING WEIGHT	10 400 kg (22 930 lb)	10 180 kg (22 400 lb)	10 310 kg (22 730 lb)	10 090 kg (22 240 lb)
WORKING WIDTH	1680 mm (66.2 in)	1680 mm (66.2 in)	1680 mm (66.2 in)	1680 mm (66.2 in)
DRUM OFFSET	170 mm (6.7 in)	170 mm (6.7 in)	170 mm (6.7 in)	170 mm (6.7 in)
CENTRIFUGAL FORCE	120 / 78 kN (26 977.1 / 17 535.1 lbf)	120 / 78 kN (26 977.1 / 17 535.1 lbf)	120 / 78 kN (26 977.1 / 17 535.1 lbf)	120 / 78 kN (26 977.1 / 17 535.1 lbf)
FREQUENCY	42 / 52 Hz (2520/3120 VPM)	42 / 52 Hz (2520/3120 VPM)	42 / 52 Hz (2520/3120 VPM)	42 / 52 Hz (2520/3120 VPM)
AMPLITUDE	0.82 / 0.35 mm (0.032 / 0.014 in)	0.82 / 0.35 mm (0.032 / 0.014 in)	0.82 / 0.35 mm (0.032 / 0.014 in)	0.82 / 0.35 mm (0.032 / 0.014 in)
ENGINE	Deutz - TCD3.6 L4 EU Stage IV / US EPA Tier 4f	Deutz - TCD3.6 L4 EU Stage IV / US EPA Tier 4f	Deutz - TCD3.6 L4 EU Stage IIIA / US EPA Tier 3	Deutz - TCD3.6 L4 EU Stage IIIA / US EPA Tier 3

AP & ART PNEUMATIC TYRED ROLLERS

Ammann Pneumatic Tyred Rollers provide the kneading and sealing effect that is so critical on jobsites. The tyred rollers perform on both asphalt and aggregates, which of course means the machines must be flexible. They certainly are, with air pressure adjustments made without the operator ever leaving the cab. Ballast packages easily can be added or removed to ensure the most efficient machine and process are provided.

APPLICATIONS

- Asphalt base layers
- Asphalt binder layers
- Asphalt wearing course
- Soil compaction sub-base
- Soil bases
- Stabilisation

PRODUCTIVITY

Ballasting system

Unique ballsting system bringing wide range of weight from 9 to 24 tons (ART 280 – 9 to 28 tons)

Air-On-Run

Central inflation system for easy control of tyre pressure

Front isostatic axles with oscillation

Higher traction and increased surface coverage and quality

ERGONOMICS

Cab design

Spacious cab with low noise levels for operator comfort (ART 280 – 170° rotating seat)

Simple and reliable dashboard

Intuitive machine control even with unskilled operator

Control & information display integrated into steering wheel (ART 280)

Multifunctional display for intuitive machine control and overview, even with unskilled operator

Visibility

Perfect all-around machine visibility for higher safety on the jobsite

SERVICEABILITY

Spacious service platforms

Maintenance free parts

Easy and fast daily maintenance

Ground access to service and maintenance points



ART SERIES
PNEUMATIC TYRED ROLLERS



AP SERIES
PNEUMATIC TYRED ROLLERS



ART 240



AP 240

OPERATING WEIGHT	9700 kg (21 380 lb)	9590 kg (21 140 lb)
MAXIMUM WEIGHT	24 000 kg (52 910 lb)	24 000 kg (52 910 lb)
WORKING WIDTH	1986 mm (78.2 in)	1986 mm (78.2 in)
NUMBER OF WHEELS	4+4	4+4
SIZE OF TYRES	11 x 20"	11 x 20"
ENGINE	Deutz - TCD3.6	Cummins - QSB 3.3-C99
	EU Stage IV / US EPA Tier 4f	EU Stage IIIA / US EPA Tier 3



ART 280



ART 280

OPERATING WEIGHT	9750 kg (21 500 lb)	9700 kg (21 380 lb)
MAXIMUM WEIGHT	28 000 kg (61 730 lb)	28 000 kg (61 730 lb)
WORKING WIDTH	2040 mm (80.3 in)	2040 mm (80.3 in)
NUMBER OF WHEELS	4+4	4+4
SIZE OF TYRES	11 x 20"	11 x 20"
ENGINE	Deutz - TCD3.6	Deutz - TCD3.6
	EU Stage IV / US EPA Tier 4f	EU Stage IIIA / US EPA Tier 3

“Tyre widths and arrangements combine with ballasting options to make these rollers stand out.”



ART 280 T4f

ACE

INTELLIGENT GROUND COMPACTION



Precise, transparent and verifiable compaction processes increasingly are required on construction sites. Ammann took the first steps toward providing these processes in 1998 with the advent of Ammann Compaction Expert (ACE), an automated compaction measurement and control system.

ACE has been continually improved since its introduction and remains the industry leader. It is the only system that automatically adjusts amplitude and frequency based on ground characteristics.

THE BENEFITS OF ACE TECHNOLOGY ARE SIGNIFICANT

- It reduces the number of passes a roller makes and deliver savings on fuel, labor and machine wear.
- ACE helps ensure proper compaction is achieved and prevents costly rework, which in some cases can even require a return to the jobsite.
- It extends the life of the compacted material – and structures placed on top of it – by providing a homogenous surface without weak spots.
- ACE technology is available for both soil and asphalt applications.

GPS-BASED COMPACTION

ACE^{plus} combines the ACE (Ammann Compaction Expert) measurement and control system with a GPS system. It provides an efficient analysis and documentation system for continuous compaction control (CCC).

The satellite navigation system accurately assigns the measured compaction values to the position coordinates and the time. The graphic display of measurement data relays the on-site compaction work and enables a fast and reliable performance analysis.

ACE^{plus} therefore increases process reliability and integrates quality control measures in the work process.

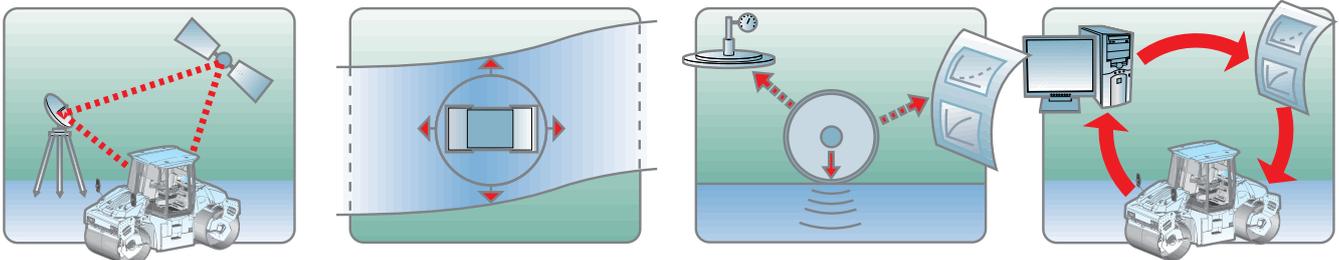
GPS SUPPORT OF ACE SYSTEMS

Ready to take your soil and/or asphalt compaction technology to the next level? Combine GPS support with ACE systems and you'll do exactly that.

GPS-based compaction uses a navigation system to measure and control your processes. A graphic display of measurement data relays the on-site compaction work and enables a fast and reliable performance analysis. The system is easy to use, too; it's operated and controlled with a touch screen.

KEY FEATURES

- Open GPS system for all providers
- Precise and accurate GPS-based evaluation of compaction process
- More than 10 parameters under continuous control
- Available for all ACE^{pro} and ACE^{force} systems
- Optional module for online monitoring of jobsite arrangement





ACE^{pro}

- For use with single-drum and heavy asphalt rollers
- Provides compaction measurement, automatic control and a documentation system
- Precisely measures and evaluates material stiffness
- Continuously adjusts frequency and amplitude depending on compaction measurements
- Delivers the highest compaction efficiency by sending optimal force into the ground
- Eliminates drum jumping and therefore minimizes the risk of over-compaction or material destruction
- Includes ADS documentation software with office analyzing feature
- Can utilise all major manufacturers' GPS products to provide mapping and operator guidance



ACE^{force}

- For use with single-drum rollers, light and heavy asphalt rollers and vibratory plates
- Provides measurement and documentation (Documentation not for plates)
- Precisely measures and evaluates material stiffness
- Operator guiding function shows compaction progress (not for Light tandem rollers and plates)
- Includes ADS documentation software with office analyzing feature
- Can utilise all major manufacturers' GPS products to provide mapping and operator guidance

OSCILLATION

QUICKER COMPACTION AND COST SAVINGS



CONSTANT CONTACT

The oscillation drum has two eccentric shafts removed as far as possible from the main axis of the drum. Both rotate in the same direction and generate a rotational vibration, called oscillation. The motion enables the drums to maintain constant contact throughout compaction. This is a significant departure from vibratory compaction, in which the drums lose contact with the ground after each impact.

The more often the drum is in contact with the surface, the more compaction is occurring beneath it.

MASSAGING

Compaction is the process of moving materials more closely together. Traditional vibration tries to accomplish this through a harder pounding in a mostly vertical direction.

Oscillation delivers less force but uses both vertical and horizontal energy. Compaction occurs more quickly when forces are applied from different directions.

Oscillation essentially massages the aggregates into place.

HOW WOULD YOUR BUSINESS BENEFIT FROM OSCILLATION?

Sensitive settings

Because oscillation does more massaging than it does pounding, it is often the method of choice on sensitive jobsites such as bridges, or when working over sewers or utility lines.

High temperatures

Oscillating rollers can work on hot mats. This widens the compaction window for crews and helps them quickly get to work on thin lifts, such as those placed on bridges.

Cool temperatures

The “softer” approach of oscillation prevents damage to cooler mats.

Joint work

Rollers with oscillation are great fits for sealing cold joints. The drum simultaneously can work on the hot and cold mats, so it delivers the best of both worlds. The massaging approach prevents damage to the cold mat but applies enough energy to compact the hot materials – and seal the joint, too.

Production

Oscillation doesn’t pound like a vibratory roller, but it ultimately delivers more force into the mat because it uses both vertical and horizontal energy. That increased force means quicker compaction and fewer passes. The constant contact with the surface helps too.

Operator friendly

Rollers with oscillation automatically adjust to compaction needs, removing some of the burden from operators. The longer compaction window also gives operators a margin of error as they keep pace with the paver and other rollers.

Smoothness

Vibrating drums can leave “chatter” behind; oscillating rollers do not.

Cost savings

Reducing the number of passes saves on labor, machine wear and fuel. It also helps keeps jobs on track – and customers happy.

“Oscillation is a dynamic compaction method that has significant advantages over traditional vibratory compaction.”



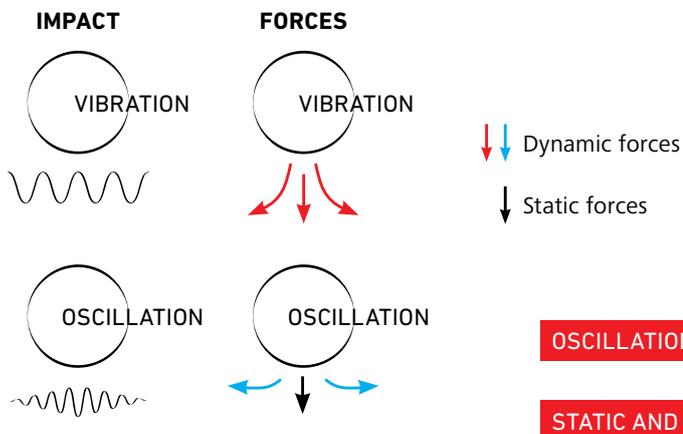
TECHNICAL VIEW

- High quality, hardened steel enables long life
- Shaft deflection extends bearing service life
- Large grease reservoir makes bearings maintenance-free for life of roller
- Precise belt tension lengthens service life
- High efficiency design generates less heat and consumes a third less energy than traditional vibratory rollers
- All oscillation parts are maintenance-free
- Life for all parts exceeds 7000 hours
- Eccentric movements create higher drive efficiency

MANY TECHNOLOGIES FROM A SINGLE SOURCE

Every jobsite has especial requirements, and only Ammann offers many different technologies.

- Ammann Compaction Expert (ACE), circular exciter with automatic controlled variable amplitude and frequency
- Circular exciter with 2 amplitudes/frequencies
- Oscillation
- High-frequency technology
- Split drum / unsplit drum
- Combination axle with 4 smooth tyres



SERVICE

A NETWORK TO SUPPORT YOU

No matter where you are, Ammann-trained technicians and parts are nearby. Ammann dealers provide well-trained service technicians who can help you, whether it's an emergency or time for preventive maintenance. The vast Ammann network ensures there is a nearby technician who understands your language and your technical needs. Parts availability and ease of ordering are always Ammann priorities.

HOTLINE SUPPORT

Ammann experts are ready to answer your technical questions 24 hours a day, seven days a week. The hotline team is highly trained and experienced. Representatives can talk you through the challenges – in various languages – to help keep your machine productive.

SERVICE APP

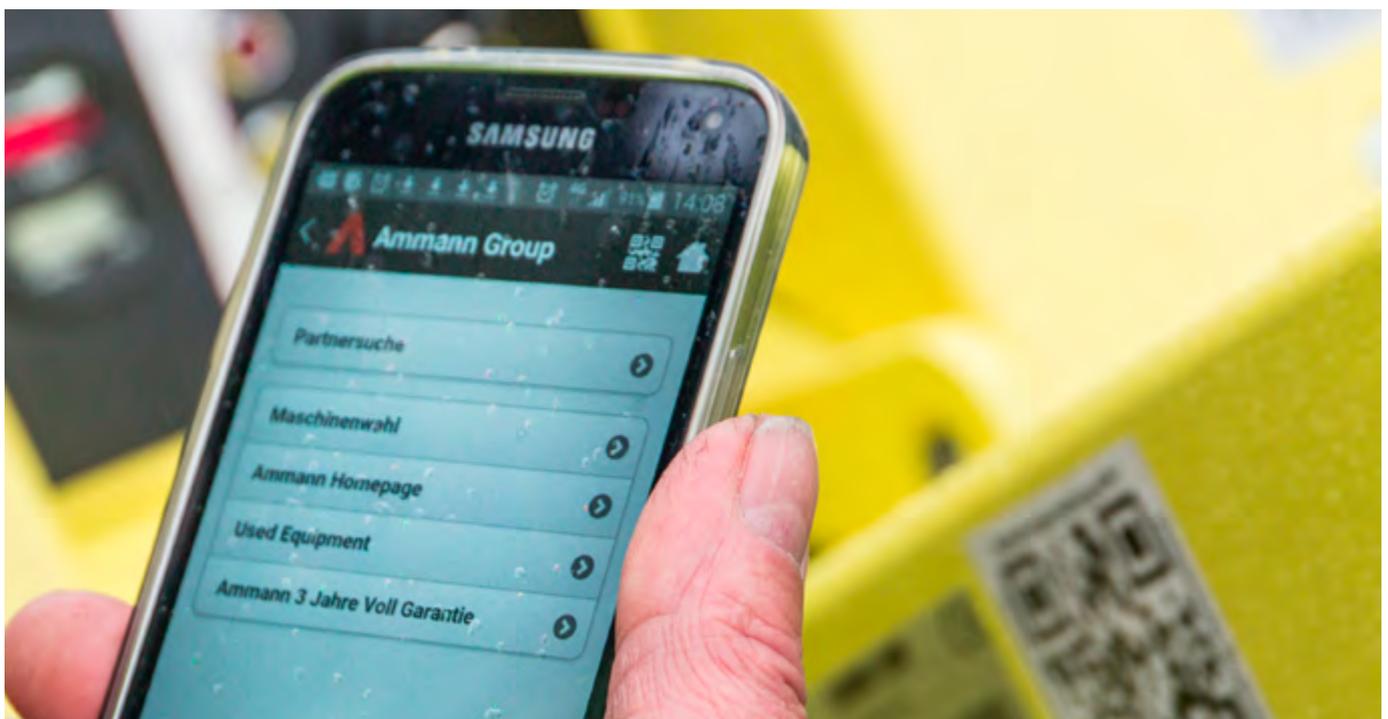
The service app for Ammann machines impresses machine operators who are already benefiting from the advantages of the free application. The easy-to-use app provides machine operators working on site quick and uncomplicated access to machine documentation.

SERVICE VIDEOS

Sometimes a video tells the story best. That's why you'll find a variety of service videos that walk you through service and maintenance processes.

QR CODE

Many maintenance kits feature QR codes that link to videos with helpful demonstrations that walk you or your technician through the process. The videos tell the story without dialogue so customers anywhere in the world can understand.



AMMANN SERVICELINK

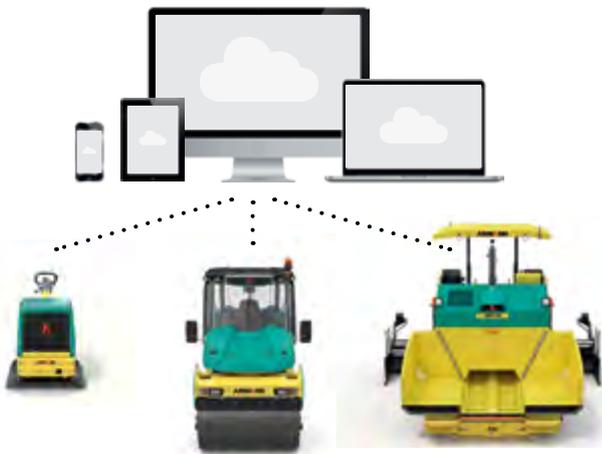


SERVICELINK

THE DIGITAL FLEET MANAGEMENT SOLUTION



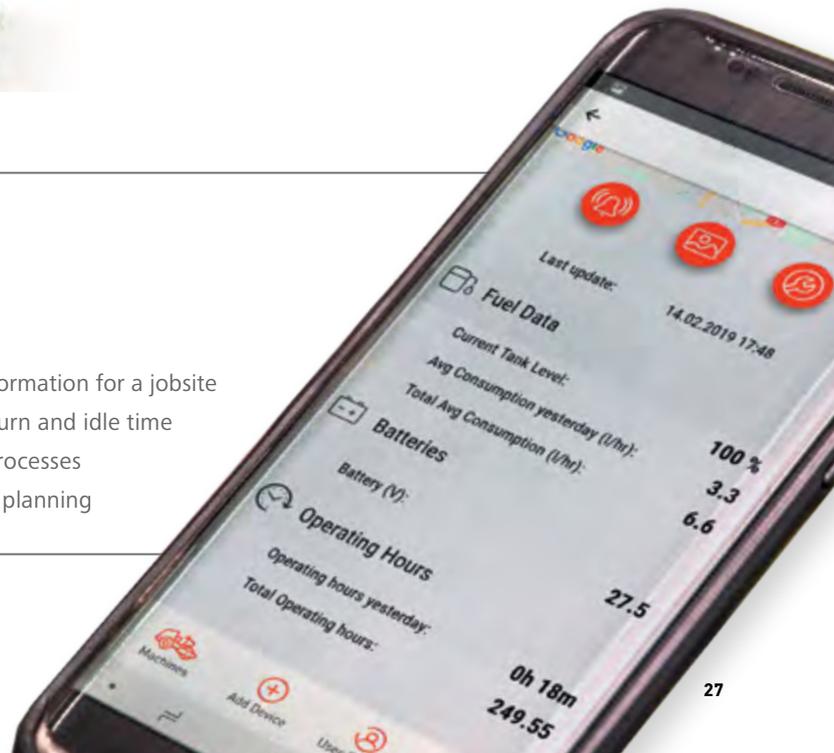
Manage your equipment – anytime, anywhere – with Ammann ServiceLink. This comprehensive fleet system provides key data for light compaction equipment, heavy compaction machines and asphalt pavers. You can choose which machines to track.



- Ammann ServiceLink utilises telematics that give you the locations of the machines, hours of usage and other essential information. You'll have access to data that will keep your machines running – and make them more productive, too.
- Ammann ServiceLink makes it easy to plan and schedule the maintenance that protects your fleet.

HIGHLIGHTS

- Easy to manage
- Light equipment does not require a machine battery
- Great for rental fleets
- GPS tracking for location, efficiency and productivity information for a jobsite
- Full machine telematics to assess machine usage, fuel burn and idle time
- Machine documentation to help analyse and improve processes
- Easy management of service intervals and maintenance planning



TRAINING

ENHANCE YOUR PERFORMANCE

If Ammann machine training was summarised in a single word, it might well be “comprehensive.” The training includes multiple expertise levels and modules to benefit all skill levels.

TRAINING WORLDWIDE

Ammann product and application experts are ready to provide the training you need, no matter where you are. The global nature of Ammann ensures an expert is always near you – ready to offer instruction that ranges from the basics to the specifics relevant to your geographic area. The training can take place at an Ammann facility, your business – or even on a jobsite.

KEY TEACHING THEMES CONNECT ALL EFFORTS, NO MATTER WHERE THEY OCCUR

A good balance. Training often combines a traditional classroom setting with hands-on machine experience. Ammann application experts also can offer instruction on your jobsite.

Training typically includes students from other industry businesses. Participants say conversations with their peers – and learning how they overcome challenges – are other key benefits.

Learn in your language. Lessons are taught in many languages, ensuring your team understands key terms and lessons and makes the most of your training investment.



SPARE PARTS

You can only earn money when your equipment is working. That's why Ammann does everything possible to ensure you have the parts where and when you need them. Those efforts include easy online ordering to avoid confusion and enable tracking, and efficient logistics and availability to help parts reach you quickly.

WEARING KITS

Some machines handle abrasive materials in demanding applications. While wear is inevitable, downtime can be limited. Wearing kits make replacement of these parts efficient and cost-effective. All the necessary parts – big and small – are in a single box to keep you organised and efficient and to ensure the machines are quickly back up and running.

EMERGENCY KITS

Emergency kits prevent little frustrations from becoming bigger issues that can shut down a machine and even a jobsite. These kits include parts such as switches, fuses and valve coils that are simple and fast to change yet still can cause significant problems if not operating properly. The kits easily fit in the trunk or bed of a vehicle so they're on hand when needed. A crew-member with a bit of technical knowledge can handle this work on the jobsite. These repairs take 2 hours or less.



MAINTENANCE KITS

Preventive maintenance is crucial to efficient operation and service life of machines. The easier the maintenance, the more likely it is to be completed. Maintenance kits make the upkeep simple. Parts associated with a particular maintenance process are in a single box with a single part number.

BROCHURE WITH ALL KITS

We have a prospect with all kits, and their part numbers are available for you. Just contact your parts consultant and have a digital or hardcopy sent to you.







For additional product information
and services please visit:
www.ammann.com