









| PROPERTY    |                             | L Z,133                                  | L Z,143                               | L Z,J43                         | L Z,Z33                                 |
|--|-----------------------------|--|---------------------------------------|---------------------------------|---|
|  | PRODUCT INFORMATION         |  |                                       |                                 |   |
|  | FRAME SIZES                 | S (45cm) - M (50cm) - L (55cm)           | S-M (42cm) - L/XL (46cm)              | S (42cm) - M (46cm) - L (50cm)  | S (44cm) - M (49cm) - L (54cm)          |
| Model  |                             |  |                                       |                                 | · · · · · · · · · · · · · · · · · · ·   |
| Part      |                             |  |                                       | - ' '                           | - ' '                                   |
| With Marke Scripts years   With Marke Scripts    | MAXIMOM BIKE & RIDER WEIGHT |  | •                                     |                                 | <u> </u>                                |
| Process  | PAINTING                    | with Matte or Glossy Varnish             | with Matte Varnish                    | 9                               | with Matte or Glossy Varnish            |
| PAME      | COLOUR(s)                   | Blue with matte finish   Black Suit with | with matte finish   Rock Blue with    |                                 | Olive with matte finish   Emerald Green |
| Machanis SS 64 Flower (20mm All Part   Machanis SS 64 F   | FRAME                       |  |                                       |                                 |   |
| SQL-1950N  | FRAME                       | Aluminium Low Step                       |                                       |                                 | ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '   |
| EMBISE SYSTEM  | SUSPENSION                  | -  |                                       |                                 |   |
| BRISE SYSTEM   | FORK                        | Rigid Alloy 28"                          | -                                     | -                               | -                                       |
| BRITEIN  | HEADSET                     | FSA 1.5" to 1-1/8" Tapered SHIS          | FSA 1.5" to 1-1/8" Tapered SHIS       | FSA 1.5" to 1-1/8" Tapered SHIS | FSA 1.5" to 1-1/8" Tapered SHIS         |
| BRITEIN  | F-RIKE SYSTEM               | ·  | ·                                     |                                 | ·                                       |
| APPLIED   SAWA 36V - Integrated no Bownhole   Part Part Part Part Part Part Part Part  |                             | DDOCE DDIVE O ALLIEON                    | PROSE PRIME CAMACHASIS AND LOCALISM   | PROCE PRIVE C ALLICONIO         | BROSE BRIVE S MAS Hadranta LOOM         |
| Name   | DRIVE UNII                  |  |                                       |                                 |   |
| Manual   M   | BATTERY                     | 9  | 9                                     |                                 | 9                                       |
| CHAMBREP   2A - 7 tours total charge time   2A - 7 tours total charge time   DISPEAW   BROSE Allound   Charagint PEAN Voltew Portman / 318mm / Rise Zomm / 24 Somm - 318mm - Rise Zomm / 318mm / Rise Zo   | RANGE                       | 40km to 100km                            | 40km to 100km                         | 40km to 100km                   | 40km to 100km                           |
| DISPLAY   BROSE Allround   | BATTERY LOCK KEY            | Yes                                      | Yes                                   | Yes                             | Yes                                     |
| PSA V Drike 740mm / 318mm   PSA V Drike 740mm   PSA V Drike 740m   | CHARGER                     | 2A - 7 hours total charge time           | 4A - 3 to 6 hours total charge time   | 2A - 7 hours total charge time  | 4A - 3 to 6 hours total charge time     |
| HANDLEBAR   AL B60mm / 318mm (Curvet)   FSA V-Drive 740mm / 318mm   FSA V-Drive 740mm / 318mm   FSA V-Drive 740mm / 318mm   FSA V-Drive 640mm   FSA V-Dr   | DISPLAY                     | BROSE Allround                           | Brose Allround                        | BROSE Allround                  | BROSE Allround                          |
| HANDLEBAR   AL B60mm / 318mm (Curvet)   FSA V-Drive 740mm / 318mm   FSA V-Drive 740mm / 318mm   FSA V-Drive 740mm / 318mm   FSA V-Drive 640mm   FSA V-Dr   | COCKPIT                     |  |                                       |                                 |   |
| SEAR   Sea   |                             | AL 660mm / 31.8mm (Curved)               | •                                     | ,                               | (Straight) FSA V-Drive 740mm/           |
| ### WHEELST    MAXIS Recon S - 27,5 "x2,6"   M - U/L.  | STEM                        |  | FSA V-Drive 60mm/ 31.8mm / ±6°        | FSA V-Drive 60mm/ 31.8mm / ±6°  | AL 50mm - 31.8mm - 0°                   |
| WHEELSET         WANDER SPRIATAL Contact Cruiser         MAXIOS Relicin S - 27,5" x 6.6" / M - LXI.         CONTINENTAL Mountain King 27,5" x 6.7" (Tubeless Ready)           MHEEL SIZE         28"         27,5" x 6.5" (S) / 28" (M - LXI.)         27,5" x 6.5"         27,5" x 6.7" (Tubeless Ready)           RIMS         Alloy Double Wall 25mm         Alloy Double Wall 35mm         Alloy Double Wall 25mm         Alloy Double Wall 30mm (Tubeless Ready)           SPOKES         Black Stainless Steel   | GRIPS                       |  | FRGON GA30                            | FRGON GA30                      | FRGON GA30                              |
| TYRES  |                             | ENCOTAGLE                                | EROOF GASO                            | ENGON GASO                      | ENCON GASO                              |
| 1995   28° 22"   29° 24"   27.5° (5) 7 29' (M-L/ZA)   27.5° 2.6"   27.5° 2.6" (Tubeless Ready)   | WHEELSEI                    |  |                                       |                                 |   |
| RIMS   Alloy Double Wall 25mm   Alloy Double Wall 25mm   Ready)   Ready  | TYRES                       |  |                                       | 9                               |   |
| Ready   Read   | WHEEL SIZE                  | 28"                                      | 27,5" (S) / 29" (M-L/XL)              | 27,5"                           | 27,5"                                   |
| SPOKES   Black Stainless Steel   Black Stainless Steel   Black Stainless Steel   SHIMANO HB-MT400 100 Thru-ale   SHIMANO HB-MT400 HB MD1   SHIMANO SH-MT30 100   | RIMS                        | Alloy Double Wall 25mm                   |                                       | Alloy Double Wall 25mm          |   |
| NUMBER   N   | SPOKES                      | Black Stainless Steel                    | Black Stainless Steel                 | Black Stainless Steel           | Black Stainless Steel                   |
| REAR HUB SHIMANO Nexus SG-C6001-8D SHIMANO HB-MT400-B Boost 148 Thru-axie 12mm SHIMANO SM-RT10 HD BOOST 149 SHIMANO SM-RT10 HD BOOST 140 SHIMANO SM-RT10 HD BOOST 140 SHIMANO SM-RT10 HD HD HD SM-RT10 HD HD HD SM-RT10 HD   | FRONT HUB                   |  |                                       |                                 |   |
| BRAKES SHIMANO Hydraulic MT200 SHIMANO Hydraulic MT400 SHIMANO Hydraulic MT200 SHIMANO Hydraulic MT400 BRAKE ROTOR - Front SHIMANO SM-RT10 180mm SHIMANO SM-RT30 203mm SHIMANO SM-RT30 180mm SHIMANO SM-RT30 203mm SHIMANO SM-RT30 180mm SHIMANO Deore 105 SHIMANO Deore 115 SHIMANO SM-RT30 180mm SHIMANO Deore 115 SHIMANO SM-RT30 180mm SHIMANO SM-RT30 180 | REAR HUB                    |  | SHIMANO HB-MT400-B Boost 148          | SHIMANO HB-MT400-B Boost 148    |   |
| BRAKE ROTOR - Front SHIMANO SM-RT10 180mm SHIMANO SM-RT30 203mm SHIMANO SM-RT10 180mm SHIMANO SM-RT30 180mm SHIMANO SM-RT30 180mm SHIMANO SM-RT10 180mm SHIMANO SM-RT30 180mm SH | DRIVETRAIN & BRAKES         |  | THIR GAIC TETHIN                      | THIR GAIC TETHIN                |   |
| BRAKE ROTOR - Front SHIMANO SM-RT10 180mm SHIMANO SM-RT30 203mm SHIMANO SM-RT10 180mm SHIMANO SM-RT30 180mm SHIMANO SM-RT30 180mm SHIMANO SM-RT10 180mm SHIMANO SM-RT30 180mm SH | BRAKES                      | SHIMANO Hydraulic MT200                  | SHIMANO Hydraulic MT400               | SHIMANO Hydraulic MT200         | SHIMANO Hydraulic MT400                 |
| BRAKE ROTOR - Rear SHIMANO SM-RT10 180mm SHIMANO SM-RT30 180mm SHIMANO Deore 10S SHIMANO Deore 11S SHIMANO Deore 11S SHIMANO Deore 11S SHIMANO Deore 10S 11-42T SHIMANO Deore 11S SHIMANO Deore 11S SHIMANO Deore 10S SHIMANO Deore 11S SHIMANO Deore 11S SHIMANO Deore 11S SHIMANO Deore 10S SHIMANO Deore 11S SHIMANO Deore 11S SHIMANO Deore 11S SHIMANO Deore 10S SHIMANO Deore 11S SHIMANO Deore 10S SHIMANO Deore 11S SHIMANO Deore 11S SHIMANO Deore 10S SHIMANO Deore 11S SHIMANO Deore 10S SHIMANO Deore 10 |                             | ,  | ,                                     | ,                               | ,                                       |
| REAR DERRAILEUR - SRAM NX 11S SHIMANO Deore 10S SHIMANO Deore 11S CASSETTE - SRAM Power Glid 1130 11-42 SHIMANO Deore 10S 11-42T SHIMANO Deore 11S 11-51T SHIFTERS SHIMANO Nexus 8 SRAM NX 11S SHIMANO Deore 10S SHIMANO Deore 11S 11-51T MIRAND ROLD 104 38T MIRANDA Chainflow 3D BCD104 38T SAMOX BCD 104 36T MIRANDA Chainflow 3D BCD104 38T SAMOX BCD 104 36T MIRANDA Chainflow 3D BCD104 38T SAMOX BCD 104 36T MIRANDA Chainflow 3D BCD104 38T SAMOX Shape 175/5 SAMOX Shape 170/0 SAMOX Shape 170/0 SAMOX Shape 175/5 SAMOX Shape 170/0 SAMOX Shape 170/0 SAMOX Shape 175/5 SAMOX Shape 175/0 SAMOX Shape 175/5 SAMOX Shape 170/0 SAMOX Shape 175/5 SAMOX Shape 175/0 SAMOX Shape 175/5 SAMOX Shape 175/0 SAMOX Shape 175/5 SAMOX Shape 175/0 SAMOX Shape 170/0 SAMOX Shape 175/5 SAMOX Shape 175/0 SAMOX Sh |                             |  |                                       |                                 |   |
| CASSETTE - SRAM Power Glid 1130 11-42 SHIMANO Decre 10S 11-42T SHIMANO Decre 11S 11-51T SHIFTERS SHIMANO Nexus 8 SRAM NX 11S SHIMANO Decre 10S SHIMANO Decre 11S CHAINRING MIRANDA BCD 104 3BT MIRANDA ChainFlow 3D BCD104 3BT SAMOX SDD 104 3BT MIRANDA ChainFlow 3D BCD104 3BT SAMOX SDD 104 3BT SAMOX Shape 175/0 SAMOX Shape 175/0 SAMOX Shape 175/5 SAMOX Shape 175/5 SAMOX Shape 175/0 SAMOX Shape 175/0 SAMOX Shape 175/5 SAMOX Shape 175/0 SAMOX Shape 175/5 SAMOX Shape 175/5 SAMOX Shape 175/0 SAMOX Shape 175/0 SAMOX Shape 175/5 SAMOX Sha |                             |  |                                       |                                 |   |
| SHIFTERS SHIMANO Nexus 8 SRAM NX 11S SHIMANO Deore 10S SHIMANO Deore 11S CHAINRING MIRANDA BCD 104 38T MIRANDA ChainFlow 3D BCD104 38T SAMOX BCD 104 36T MIRANDA ChainFlow 3D BCD104 38T CRANK SAMOX Shape 175/0 SAMOX Shape 170/0 SAMOX Shape 175/5 SAMOX Shape 170/0 CHAIN SHIMANO CN-NX10 KMC E11 Turbo e-bike series SHIMANO CN-E6090 KMC E11 Turbo e-bike series CHAINGUARD Yes - HEBIE Yes - FSA Yes - FSA Yes - FSA  SAFETY & ACESSORIES  RACK ATRANVELO Tour AVS (max.: 25Kg) ATRANVELO Tour AVS (max.: 25Kg) ATRANVELO Tour AVS (max.: 25Kg) RRONT LIGHT AXA Blueline 30 with reflector SPANNINGA Axendo 40 with reflector AXA Blueline 30 with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector RICKSTAND ATRANVELO Dux ATRANVELO Dux ATRANVELO Dux ATRANVELO Dux  MUDGUARD SKS  BELL Yes Yes Yes - Ves - FSA SKS  BELL ROYAL Rio Gel SELLE ROYAL Rio Gel SELLE SAN MARCO X3 e-bike black SELLE ROYAL Shadow SELLE ROYAL Essenza Moderate Gel SEAT CLAMP Alloy black with quick release  PEDALS UNION SP-827 Flat with reflectors UNION SP-400 Flat with reflectors Union SP-21600 Flat with reflectors UNION SP-827 Flat with reflectors  SAMOX Shape 175/5 SAMOX SCD 104 38T  MIRANDA ChainFlow 3D BCD104 38T  SAMOX Shape 175/5 SAMOX Shape 175/5  SAMOX Shape 175/6  SAMOX Shape 175 |                             |  |                                       |                                 |   |
| CHAINRING MIRANDA BCD 104 38T MIRANDA ChainFlow 3D BCD104 38T SAMOX BCD 104 36T MIRANDA ChainFlow 3D BCD104 38T CRANK SAMOX Shape 175/0 SAMOX Shape 170/0 SAMOX Shape 175/5 SAMOX Shape 170/0 CHAIN SHIMANO CN-NX10 KMC E11 Turbo e-bike series SHIMANO CN-E6090 KMC E11 Turbo e-bike series CHAINGUARD Yes - HEBIE Yes - FSA Yes - FSA Yes - FSA Yes - FSA  SAFETY & ACESSORIES  RACK ATRANVELO Tour AVS (max.: 25Kg) FRONT LIGHT AXA Blueline 30 with reflector SPANNINGA Axendo 40 with reflector AXA Blueline 30 with reflector PICCADILLY with reflector PICCADILLY with reflector AXA SIm with reflector PICCADILLY with reflector KICKSTAND ATRANVELO Dux ATRANVE |                             |  |                                       |                                 |   |
| CRANK SAMOX Shape 175/0 SAMOX Shape 170/0 SAMOX Shape 175/5 SAMOX Shape 170/0 CHAIN SHIMANO CN-NX10 KMC E11 Turbo e-bike series SHIMANO CN-E6090 KMC E11 Turbo e-bike series CHAINGUARD Yes - HEBIE Yes - FSA Yes - FSA Yes - FSA  SAFETY & ACESSORIES  RACK ATRANVELO Tour AVS (max.: 25Kg) ATRANVELO Tour AVS (max.: 25Kg) ATRANVELO Tour AVS (max.: 25Kg) FRONT LIGHT AXA Blueline 30 with reflector SPANNINGA Axendo 40 with reflector AXA Blueline 30 with reflector SPANNINGA Axendo 40 with reflector AXA Slim with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with |                             |  |                                       |                                 |   |
| CHAIN SHIMANO CN-NX10 KMC E11 Turbo e-bike series SHIMANO CN-E6090 KMC E11 Turbo e-bike series  CHAINGUARD Yes - HEBIE Yes - FSA Yes - FSA Yes - FSA  SAFETY & ACESSORIES  RACK ATRANVELO Tour AVS (max.: 25Kg) ATRANVELO Tour |                             |  |                                       |                                 |   |
| CHAINGUARD Yes - HEBIE Yes - FSA Yes - FSA Yes - FSA Yes - FSA  SAFETY & ACESSORIES  RACK ATRANVELO Tour AVS (max.: 25Kg) ATRA |                             | ·  | <u>'</u>                              | ·                               | <u> </u>                                |
| RACK ATRANVELO Tour AVS (max.: 25Kg) ATRANVELO Tour AVS (max.: |                             |  |                                       |                                 |   |
| FRONT LIGHT AXA Blueline 30 with reflector SPANNINGA Axendo 40 with reflector AXA Blueline 30 with reflector SPANNINGA Axendo 40 with reflector REAR LIGHT PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PIC |                             | Yes - FIEDIE                             | 162 - L24                             | 162 - LOV                       | 162 - L24                               |
| FRONT LIGHT AXA Blueline 30 with reflector SPANNINGA Axendo 40 with reflector AXA Blueline 30 with reflector SPANNINGA Axendo 40 with reflector REAR LIGHT PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector PIC | RACK                        | ATRANVELO Tour AVS (may : 25kg)          | ATRANVELO Tour AVS (may : 25kg)       | ATRANVELO Tour AVS (max · 25Kg) | ATRANVELO Tour AVS (may · 25Kg)         |
| REAR LIGHT PICCADILLY with reflector PICCADILLY with reflector AXA Slim with reflector PICCADILLY with reflector RICKSTAND ATRANVELO Dux ATRAN |                             |  | · · · · · · · · · · · · · · · · · · · |                                 |   |
| KICKSTAND ATRANVELO Dux ATRANVELO Dux ATRANVELO Dux ATRANVELO Dux  MUDGUARD SKS SKS SKS SKS  BELL Yes Yes - Yes  BOTTLE CAGE Not included. Sold separately. Not included. Sold separately. Not included. Sold separately. Not included. Sold separately.  SADDLE SELLE ROYAL Rio Gel SELLE SAN MARCO X3 e-bike black SELLE ROYAL Shadow SELLE ROYAL Essenza Moderate Gel  SEAT POST AL Black 350mm 31,6mm/15mm FSA Gossamer 31.6mm / 350mm / 20mm / 20mm  SEAT CLAMP Alloy black with quick release Alloy black with screw Alloy black with reflectors UNION SP-827 Flat with reflectors UNION SP-400 Flat with reflectors Union SP-21600 Flat with reflectors UNION SP-827 Flat with reflectors   |                             |  |                                       |                                 |   |
| MUDGUARD SKS SKS SKS SKS  BELL Yes Yes - Yes  BOTTLE CAGE Not included. Sold separately. SADDLE SELLE ROYAL Rio Gel SELLE SAN MARCO X3 e-bike black SELLE ROYAL Shadow SELLE ROYAL Essenza Moderate Gel  SEAT POST AL Black 350mm 31,6mm/15mm FSA Gossamer 31.6mm / 350mm / 20mm  SEAT CLAMP Alloy black with quick release Alloy black with screw Alloy black with screw Alloy black with reflectors  UNION SP-827 Flat with reflectors  UNION SP-827 Flat with reflectors  |                             |  |                                       |                                 |   |
| BELL     Yes     Yes     -     Yes       BOTTLE CAGE     Not included. Sold separately.     Not included. Sold separately.     Not included. Sold separately.     Not included. Sold separately.       SADDLE     SELLE ROYAL Rio Gel     SELLE SAN MARCO X3 e-bike black     SELLE ROYAL Shadow     SELLE ROYAL Essenza Moderate Gel       SEAT POST     AL Black 350mm 31,6mm/15mm     FSA Gossamer 31.6mm / 350mm / 20mm     FSA Gossamer 350mm 31.6mm / 20mm     AL Black 350mm 31,6mm/15mm       SEAT CLAMP     Alloy black with quick release     Alloy black with screw     Alloy black with screw     Alloy black with reflectors       PEDALS     UNION SP-827 Flat with reflectors     UNION SP-400 Flat with reflectors     Union SP-21600 Flat with reflectors     UNION SP-827 Flat with reflectors   |                             |  |                                       |                                 |   |
| BOTTLE CAGE  Not included. Sold separately.  Not included. Sold separately.  Not included. Sold separately.  Not included. Sold separately.  SELLE ROYAL Rio Gel  SELLE SAN MARCO X3 e-bike black  SELLE ROYAL Shadow  SELLE ROYAL Shadow  SELLE ROYAL Essenza Moderate Gel  SEAT POST  AL Black 350mm 31,6mm/15mm  FSA Gossamer 31.6mm / 350mm /20mm  FSA Gossamer 350mm 31.6mm /20mm  AL Black 350mm 31,6mm/15mm  SEAT CLAMP  Alloy black with quick release  Alloy black with screw  Alloy black with screw  Alloy black with reflectors  UNION SP-827 Flat with reflectors   |                             |  |                                       | וויס                            |   |
| SADDLE SELLE ROYAL Rio Gel SELLE SAN MARCO X3 e-bike black SELLE ROYAL Shadow SELLE ROYAL Essenza Moderate Gel SEAT POST AL Black 350mm 31,6mm/15mm FSA Gossamer 31.6mm / 350mm FSA Gossamer 350mm 31.6mm / 20mm Al Black 350mm 31,6mm/15mm /20mm Alloy black with quick release Alloy black with screw Alloy black with screw Alloy black with screw UNION SP-827 Flat with reflectors  PEDALS UNION SP-827 Flat with reflectors UNION SP-400 Flat with reflectors Union SP-21600 Flat with reflectors UNION SP-827 Flat with reflectors  |                             |  |                                       | Notingly dod. Cald assessment   |   |
| SEAT POST  AL Black 350mm 31,6mm/15mm FSA Gossamer 316mm / 350mm /20mm FSA Gossamer 350mm 31.6mm /20mm AL Black 350mm 31,6mm/15mm Alloy black with quick release Alloy black with screw Alloy black with screw Alloy black with screw Alloy black with reflectors UNION SP-827 Flat with reflectors UNION SP-400 Flat with reflectors UNION SP-21600 Flat with reflectors UNION SP-827 Flat with reflectors  |                             | . ,                                      | · · · · · · · · · · · · · · · · · · · | · · ·                           | · · · · · ·                             |
| SEAT PUST AL Black 350mm 31,6mm/15mm /20mm /20mm AL Black 350mm 31,6mm/15mm  SEAT CLAMP Alloy black with quick release Alloy black with screw Alloy black with screw Alloy black with reflectors  PEDALS UNION SP-827 Flat with reflectors UNION SP-400 Flat with reflectors Union SP-21600 Flat with reflectors UNION SP-827 Flat with reflectors   | SADDLE                      | SELLE ROYAL Rio Gel                      |                                       |                                 | SELLE ROYAL Essenza Moderate Gel        |
| PEDALS UNION SP-827 Flat with reflectors UNION SP-400 Flat with reflectors Union SP-21600 Flat with reflectors UNION SP-827 Flat with reflectors   | SEAT POST                   | AL Black 350mm 31,6mm/15mm               |                                       |                                 | AL Black 350mm 31,6mm/15mm              |
|  | SEAT CLAMP                  | Alloy black with quick release           | Alloy black with screw                | Alloy black with screw          | Alloy black with quick release          |
| FRAMELOCK Not included. Sold separately. Not included. Sold separately. Not included. Sold separately. AXA Imenso Large  | PEDALS                      | UNION SP-827 Flat with reflectors        | UNION SP-400 Flat with reflectors     |                                 | UNION SP-827 Flat with reflectors       |
|  | FRAMELOCK                   | Not included. Sold separately.           | Not included. Sold separately.        | Not included. Sold separately.  | AXA Imenso Large                        |

<sup>\*</sup> We reserve the right to modify product information that appears on this website without prior notice, including equipment, specifications, models, colors and materials.