

Counting Scales

Ranger® 7000

Simplifying Even the Most Complex Industrial Applications

- Ten advanced modes with up to 2,000 item library simplify complex applications and minimize the need for manual calculations and it can also control peripheral devices and/or a scale platform with option kit.
- With one second stabilization time, up to 350,000d display resolution and Legal-for-Trade certifications, Ranger 7000's precision cannot be matched by any scale in its class.
- Ranger 7000 was developed to thrive in rugged and harsh industrial environments. This modular scale was built with IP54 metal housing and sealed metal indicator to ensure durability.



With added Counting Features

- Application** Weighing, Parts Counting with Auto Optimization, Percent Weighing, Advanced Checkweighing, Animal/Dynamic Weighing, Display Hold, Filling, Formulation, Differential Weighing, Density Determination, Sieve Analysis
- Display** 4.3" (109 mm) Full-color WQVGA graphic display with user-controlled brightness
- Operation** AC power (included) or rechargeable battery (accessory sold separately)
- Communication** Easy access communication port including standard USB and RS232 (included) and an optional third port of RS232 or Ethernet (accessories sold separately). GLP/ GMP Data Output with Real Time Clock. Data Transfer Function.
- Construction** Modular design, die-cast housing, removable stainless steel platform, integral weigh below hook, menu lock switch, level indicator
- Design Features** Checkweighing lights with selectable operation and audible signal settings, several selectable operating languages, selectable environmental and auto-print settings, stability indicator, overload/underload indicators, selectable brightness settings, auto-; Checkweighing lights with selectable operation and audible signal settings, several selectable operating languages, selectable environmental and auto-print settings, stability indicator, overload/underload indicators, selectable brightness settings, auto-dim, auto-sleep, auto tare, chain tare.

Model	InCal™	Capacity	Readability	Certified Readability	Platform Size	Item No.
R71MD3		6 lb / 3 kg	0.0001 lb / 0.05 g	0.001 lb / 0.5 g	11 in x 11 in / 280 mm x 280 mm	30070289
R71MD6		15 lb / 6 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	11 in x 11 in / 280 mm x 280 mm	30070310
R71MD15		30 lb / 15 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	12.2 in x 14.8 in / 311 mm x 377 mm	30070311
R71MD35		70 lb / 35 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	12.2 in x 14.8 in / 311 mm x 377 mm	30070312
R71MD60		150 lb / 60 kg	0.002 lb / 1 g	0.02 lb / 10 g	12.2 in x 14.8 in / 311 mm x 377 mm	30212873

Model	InCal™	Capacity	Readability	Certified Readability	Platform Size	Item No.
R71MHD3	•	6 lb / 3 kg	0.00002 lb / 0.01 g	0.0002 lb / 0.1 g	9.4 in x 9.4 in / 240 mm x 240 mm	30088840
R71MHD6	•	15 lb / 6 kg	0.00005 lb / 0.02 g	0.0005 lb / 0.2 g	9.4 in x 9.4 in / 240 mm x 240 mm	30088841
R71MHD15	•	30 lb / 15 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	12.2 in x 14.8 in / 311 mm x 377 mm	30088842
R71MHD35	•	70 lb / 35 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	12.2 in x 14.8 in / 311 mm x 377 mm	30088843

Accessories	Item No.
Ethernet Kit, R31 RC31 R71 V71	30037447
RS232 Kit, R31 RC31 R71 V71	30037448
Rechargeable Battery, EX-HiCap R71	30041295
Printer, Impact, SF40A, AM	30064203
Column Kit, Painted, R71	30095408
PCBA Kit, 2nd Platform, R71	30097590

Accessories	Item No.
Discrete I/O Kit, 2-In/4-Out, R71	30097591
Cable, Extension, 9m, R71	30101495
PCBA Kit, Alibi Memory, R71 T71	80500503
Accessory, In Use Cover, R71	30135320
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080

* Not in parts counting mode

Accumulation	Checkweighing	Density Determination	Differential Weighing	Display Hold	Dynamic Weighing	Filling	Audible Alerts	Battery Power	Environmental Filters	External Analog Base Input	GLP Data Output	GMP/GLP	Internal Calibration	LED Checkweighing Indicator	NTEP Certified *
Formulation	Gross/Net/Tare	Parts Counting	Percent Weighing	Statistics	Totalization	Weighing	Level Indicator	Leveling Feet	Overload/Underload Indicators	Rechargeable Battery	Stability Indicator	Time/Date	Weigh Below Hook	Measurement Canada Approved *	

Ranger® Count 4000

The Best Value for Durable Industrial Counting

- Sturdy metal housing and slip-resistant rubber feet provide the protection and stability necessary for tough industrial weighing while extending the scale's usable life.
- Accurate weighing and counting performance is assured through Ranger Count 4000's 1:1,500,000 internal counting resolution, 30 item library and auto-optimization software that reduces errors and ensures accuracy.
- The combination of SmarText™ software, a centrally located count display and dedicated Sample & Tare keys make Ranger Count 4000 very easy to operate.



- Application** Weighing, Parts Counting with Auto Optimization, Checkweighing, Accumulation
- Display** 3 window backlit liquid crystal display (LCD), 3 color Checkweighing LEDs
- Operation** AC power (included) or rechargeable battery (included)
- Communication** Easy access communication port including standard RS232 (included) and second RS232, USB or Ethernet (accessories sold separately)
- Construction** Rugged Cast Aluminum Housing, Stainless Steel Platform
- Design Features** Cast Aluminum Housing, stainless steel platform, sealed front panel, menu lockswitch, up front level indicator, adjustable leveling feet, selectable environmental and auto-print settings, stability indicator, overload and underload indicators, low battery indicator, auto shut-off, auto tare

Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
RC41M3	6 lb / 3 g	0.0002 lb / 0.1 g	0.002 lb / 1 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236779
RC41M6	15 lb / 6 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236940
RC41M15	30 lb / 15 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236941
RC41M30	60 lb / 30 kg	0.002 lb / 1 g	0.02 lb / 10 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236942

Accessories	Item No.
PCBA Kit, 2nd Platform, RC31 RC41	30037446
Ethernet Kit, R31 RC31 R71 V71 RC41	30037447
RS232 Kit, R31 RC31 R71 V71 RC41	30037448
USB Kit, R31 RC31 V71 RC41	30037449
In Use Cover	30240697

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US (requires 80500525)	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080

* Not in parts counting mode

Accumulation	Checkweighing	Gross/Net/Tare	Audible Alerts	Auto Shut-Off	Backlight	Battery Power	Environmental Filters	External Analog Base Input	Level Indicator	LED Checkweighing Indicator	NTEP Certified
Parts Counting	Weighing	Leveling Feet	Low Battery Indicator	Overload Protection	Overload/Underload Indicators	Rechargeable Battery	Stability Indicator	Weigh Below Hook	Measurement Canada Approved		

Counting Scales

Ranger® Count 3000

Multipurpose Compact Counting Scales for Basic Industrial Applications

- Accurate weighing and counting performance is assured through Ranger Count 3000's high resolution, 30 item library function and auto-optimization software that reduces errors.
- The 3 backlit LCD displays, including a centrally located count display, along with an easy-to-navigate menu, make Ranger Count 3000 easy to use in multi-step counting operations.
- Ranger Count 3000 produces accurate results within one second and virtually eliminates your wait time and allows you to move at a pace determined by you, not your weighing equipment.



- Application** Weighing, Parts Counting with Auto Optimization, Checkweighing, Accumulation
- Display** 3 window backlit liquid crystal display (LCD), 3 color Checkweighing LEDs
- Operation** AC power (included) or rechargeable battery (included)
- Communication** Easy access communication port including standard RS232 (included) and second RS232, USB or Ethernet (accessories sold separately)
- Construction** ABS housing, stainless steel platform, numeric keypad, menu lock switch, up front level indicator, transportation handle
- Design Features** 30 item library, 210 hours of battery life, 3 LED Checkweighing lights with selectable operation and audible signal settings, auto tare, selectable environmental and auto-print settings, auto shut-off, optional 2nd scale input

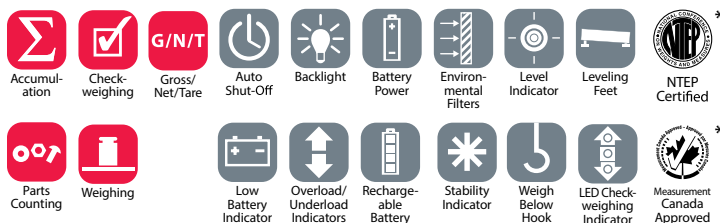


Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
RC31P1502	3 lb / 1.5 kg	0.0001 lb / 0.05 g	0.001 lb / 0.5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031787
RC31P3	6 lb / 3 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031788
RC31P6	15 lb / 6 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031789
RC31P15	30 lb / 15 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031790
RC31P30	60 lb / 30 kg	0.002 lb / 1 g	0.02 lb / 10 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031791

Accessories	Item No.
PCBA Kit, 2nd Platform, RC31	30037446
Ethernet Kit, R31 RC31 R71 V71	30037447
RS232 Kit, R31 RC31 R71 V71	30037448
USB Kit, R31 RC31 V71	30037449
Hook, R21 RC21 R31 RC31 V71	30037450

Accessories	Item No.
In-Use-Cover, R21 RC21 R31 RC31	30037451
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US (requires 80500525)	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Carrying Case, TR TC R31 TC31 RC31	80850084
Software, Winwedge	80850080

* Not in parts counting mode



Ranger® 7000

Simplifying Even the Most Complex Industrial Applications

- Ten advanced modes with up to 2,000 item library simplify complex applications and minimize the need for manual calculations and it can also control peripheral devices and/or a scale platform with option kit.
- With one second stabilization time, up to 350,000d display resolution and Legal-for-Trade certifications, Ranger 7000's precision cannot be matched by any scale in its class.
- Ranger 7000 was developed to thrive in rugged and harsh industrial environments. This modular scale was built with IP54 metal housing and sealed metal indicator to ensure durability.

Application Weighing, Parts Counting with Auto Optimization, Percent Weighing, Advanced Checkweighing, Animal/Dynamic Weighing, Display Hold, Filling, Formulation, Differential Weighing, Density Determination, Sieve Analysis Mode with customizable printout

Display 4.3" (109 mm) Full-color WQVGA graphic display with user-controlled brightness

Operation AC power (included) or rechargeable battery (accessory sold separately)

Communication Easy access communication port including standard USB and RS232 (included) and an optional third port of RS232 or Ethernet (accessories sold separately). GLP/GMP Data Output with Real Time Clock. Data Transfer Function.

Construction Modular design, die-cast housing, removable stainless steel platform, integral weigh below hook, menu lock switch, level indicator

Design Features Checkweighing lights with selectable operation and audible signal settings, several selectable operating languages, selectable environmental and auto-print settings, stability indicator, overload/underload indicators, selectable brightness settings, auto-; Checkweighing lights with selectable operation and audible signal settings, several selectable operating languages, selectable environmental and auto-print settings, stability indicator, overload/underload indicators, selectable brightness settings, auto-dim, auto-sleep, auto tare, chain tare, NTEP Certified and Measurement Canada Approved



With Sieve Analysis Mode

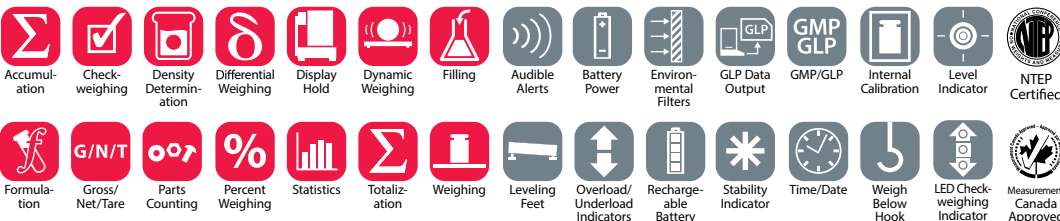


Model	InCal™	Capacity	Readability	Certified Readability	Platform Size	Item No.
R71MD3		6 lb / 3 kg	0.0001 lb / 0.05 g	0.001 lb / 0.5 g	11 in x 11 in / 280 mm x 280 mm	30070289
R71MD6		15 lb / 6 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	11 in x 11 in / 280 mm x 280 mm	30070310
R71MD15		30 lb / 15 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	12.2 in x 14.8 in / 311 mm x 377 mm	30070311
R71MD35		70 lb / 35 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	12.2 in x 14.8 in / 311 mm x 377 mm	30070312
R71MD60		150 lb / 60 kg	0.002 lb / 1 g	0.02 lb / 10 g	12.2 in x 14.8 in / 311 mm x 377 mm	30212873

Model	InCal™	Capacity	Readability	Certified Readability	Platform Size	Item No.
R71MHD3	•	6 lb / 3 kg	0.00002 lb / 0.01 g	0.0002 lb / 0.1 g	9.4 in x 9.4 in / 240 mm x 240 mm	30088840
R71MHD6	•	15 lb / 6 kg	0.00005 lb / 0.02 g	0.0005 lb / 0.2 g	9.4 in x 9.4 in / 240 mm x 240 mm	30088841
R71MHD15	•	30 lb / 15 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	12.2 in x 14.8 in / 311 mm x 377 mm	30088842
R71MHD35	•	70 lb / 35 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	12.2 in x 14.8 in / 311 mm x 377 mm	30088843

Accessories	Item No.
Ethernet Kit, R31 RC31 R71 V71	30037447
RS232 Kit, R31 RC31 R71 V71	30037448
Rechargeable Battery, EX-HiCap R71	30041295
Printer, Impact, SF40A, AM	30064203
Column Kit, Painted, R71	30095408
PCBA Kit, 2nd Platform, R71	30097590

Accessories	Item No.
Discrete I/O Kit, 2-In/4-Out, R71	30097591
Cable, Extension, 9m, R71	30101495
PCBA Kit, Alibi Memory, R71 T71	80500503
Accessory, In Use Cover, R71	30135320
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080



Compact Bench Scales

Ranger® 4000

The Best Value for Durable Industrial Weighing

- Sturdy metal housing and slip-resistant rubber feet provide the protection and stability necessary for tough industrial weighing, while extending the product's usable life.
- The largest, white LED display on any scale in its class, combined with Checkweighing LEDs and audible indicators, make Ranger 4000 highly functional in loud and dim industrial settings.
- Spend time on your work, not on mastering the technicalities of the scale. SmarText™ software makes scale setup and use very simple.

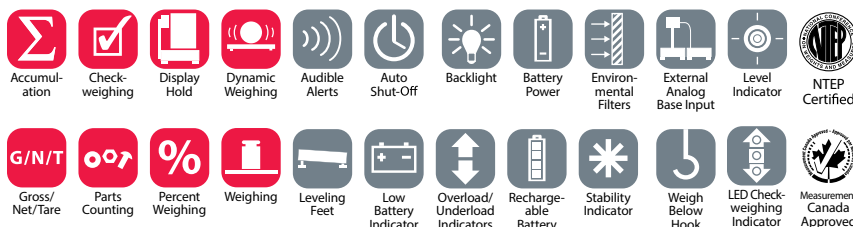


- Application** Weighing, Parts Counting, Checkweighing, Percent Weighing, Animal/Dynamic Weighing, Display Hold, Accumulation
- Display** Light-emitting diode display (LED), 3 color Checkweighing LEDs
- Operation** AC power (included) or rechargeable battery (included)
- Communication** Easy access communication port including standard RS232 (included) and second RS232, USB or Ethernet (accessories sold separately)
- Construction** Rugged Cast Aluminum Housing, Stainless Steel Platform
- Design Features** Cast aluminum housing, stainless steel platform, integral weigh-below hook, sealed front panel, menu lock switch, up front level indicator, adjustable leveling feet, selectable environmental and auto-print settings, stability indicator, overload and underload indicators, low battery indicator, auto shut-off, auto tare, NTEP Certified and Measurement Canada Approved

Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
R41ME3	6 lb / 3 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236775
R41ME6	15 lb / 6 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236776
R41ME15	30 lb / 15 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236777
R41ME30	60 lb / 30 kg	0.002 lb / 1 g	0.02 lb / 10 g	8.9 in x 11.8 in / 225 mm x 300 mm	30236778

Accessories	Item No.
PCBA Kit, 2nd Platform, RC31 R41	30037446
Ethernet Kit, R31 RC31 R71 V71 R41	30037447
RS232 Kit, R31 RC31 R71 V71 R41	30037448
USB Kit, R31 RC31 V71 R41	30037449
In Use Cover	30240697

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US (requires 80500525)	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Software, Winwedge	80850080



Ranger® 3000

Multipurpose Compact Bench Scales for Basic Industrial Applications

- Ranger 3000 has the largest display in its class and is equipped with Checkweighing LEDs and backlit LCD displays which make it functional in almost any working condition.
- The most user friendly scale on the market with easy setup that ensures your valuable time is not wasted and you're working as proficiently as possible.
- Ranger 3000 produces accurate results within one second, virtually eliminates your wait time, and allows you to move at a pace determined by you, not your weighing equipment.

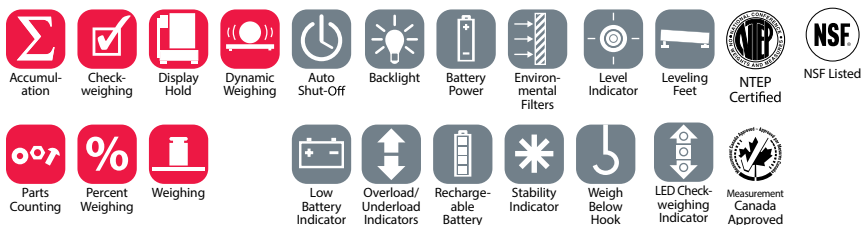


- Application** Weighing, Parts Counting, Checkweighing, Percent Weighing, Animal/Dynamic Weighing, Display Hold, Accumulation
- Display** Backlit liquid crystal display (LCD), 3 color Checkweighing LEDs
- Operation** AC power (included) or rechargeable battery (included)
- Communication** Easy access communication port including standard RS232 (included) and second RS232, USB or Ethernet (accessories sold separately)
- Construction** ABS housing, stainless steel platform, menu lock switch, up-front level indicator, integral weigh-below hook, transportation handle
- Design Features** 210 hours of battery life, 3 LED Checkweighing lights with selectable operation and audible signal settings, selectable environmental and auto-print settings, auto shut-off, auto tare, NTEP Certified and Measurement Canada Approved

Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
R31P1502	3 lb / 1.5 kg	0.0001 lb / 0.05 g	0.001 lb / 0.5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031707
R31P3	6 lb / 3 kg	0.0002 lb / 0.1 g	0.002 lb / 1 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031708
R31P6	15 lb / 6 kg	0.0005 lb / 0.2 g	0.005 lb / 2 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031709
R31P15	30 lb / 15 kg	0.001 lb / 0.5 g	0.01 lb / 5 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031710
R31P30	60 lb / 30 kg	0.002 lb / 1 g	0.02 lb / 10 g	8.9 in x 11.8 in / 225 mm x 300 mm	30031711

Accessories	Item No.
Ethernet Kit, R31 RC31 R71 V71 R41	30037447
RS232 Kit, R31 RC31 R71 V71 R41	30037448
USB Kit, R31 RC31 V71 R41	30037449
In-Use-Cover, R21 RC21 R31 RC31 R41	30037451

Accessories	Item No.
Printer, Impact, SF40A, AM	30064203
Printer, Thermal, STP-103, US (requires 80500525)	80251992
Cable, RS232, IBM 9P, AV DV MB Ranger	80500525
Carrying Case, TR TC R31 TC31 V71	80850084
Software, Winwedge	80850080



FD Series

Speed, Durability and Cleanliness Designed for Food Service Use



- The fully stainless steel FD is NSF Certified and supports HACCP-Certified systems helping to ensure the integrity and safety of the weighing of all food products.
- With software for general weighing, percent weighing and Checkweighing, the FD can be used for a variety of food weighing needs.
- The 120-hour internal rechargeable battery will help ensure that your scale is up and running when you need it, even during long shifts.

- Application** Weighing, Percent Weighing, Checkweighing
- Display** Backlit liquid crystal display (LCD)
- Operation** AC adapter (included) or rechargeable battery (included)
- Construction** Stainless steel housing and platform, up-front level indicator
- Design Features** Manual or automatic tare, audible buzzer alerts, LED Checkweighing lights, foot switch (optional), NTEP Certified and Measurement Canada Approved

Model	Capacity	Readability	Certified Readability	Platform Size	Item No.
FD3H	6 lb / 3 kg	0.0002 lb / 0.1 g	—	8.2 in x 8.2 in / 209 mm x 209 mm	83998147
FD6H	15 lb / 6 kg	0.001 lb / 0.2 g		8.2 in x 8.2 in / 209 mm x 209 mm	83998148
FD15H	30 lb / 15 kg	0.001 lb / 1 g		8.2 in x 8.2 in / 209 mm x 209 mm	83998149

Approved Model*	Capacity	Readability	Certified Readability	Platform Size	Item No.
FD3	6 lb / 3 kg	0.001 lb / 0.5 g	0.002 lb / 1 g	8.2 in x 8.2 in / 209 mm x 209 mm	83998117
FD6	15 lb / 6 kg	0.002 lb / 1 g	0.005 lb / 2 g	8.2 in x 8.2 in / 209 mm x 209 mm	83998118
FD15	30 lb / 15 kg	0.005 lb / 2 g	0.01 lb / 5 g	8.2 in x 8.2 in / 209 mm x 209 mm	83998119

Accessories	Item No.
In-Use-Cover, FD V51	80251140
Pan, SST, Flat, FD V51	80251141
Carrying Case, FD V51	80251394



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