Specifications

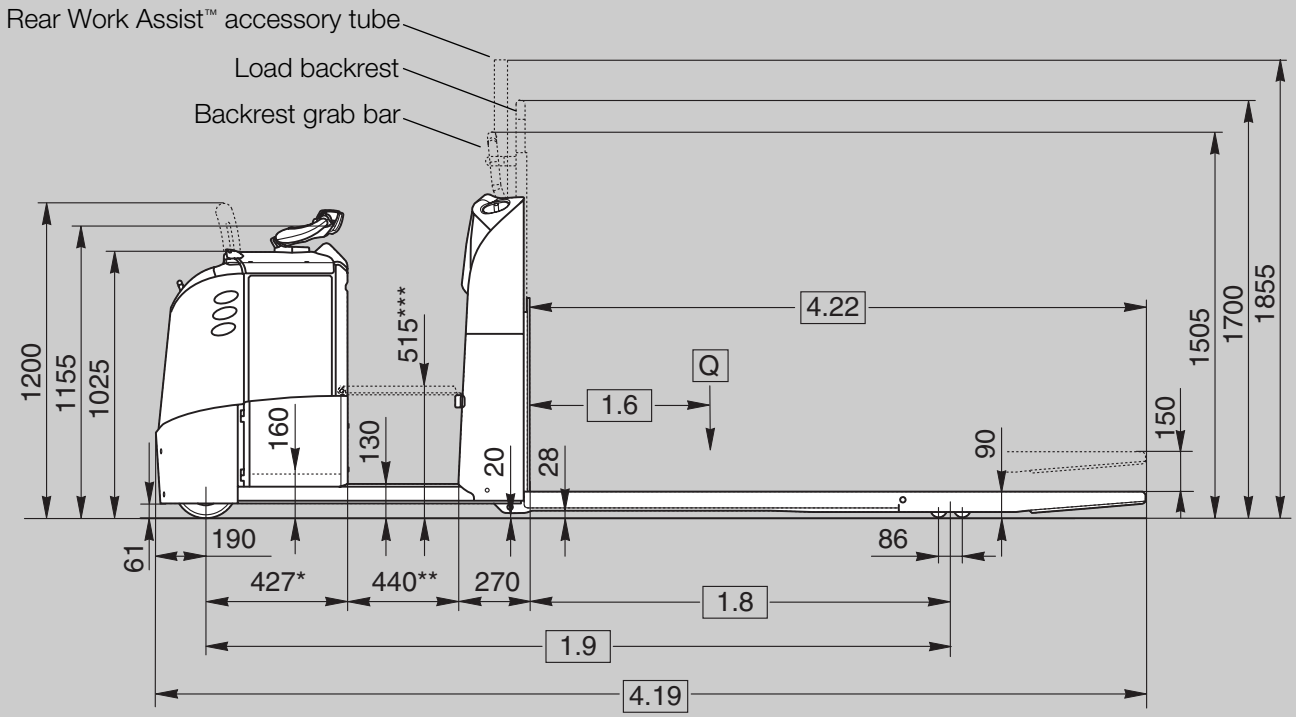
GPC 3000 Series

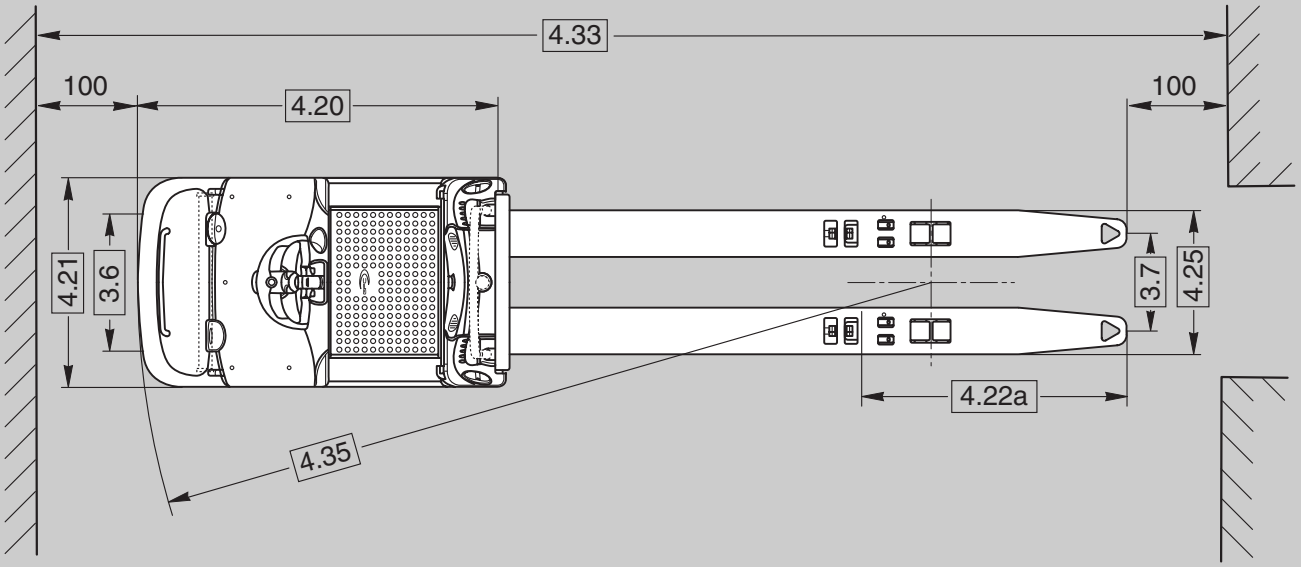
Low Level Order Picker

GPC 3000

Series

GPC 3020, 3040 and 3060



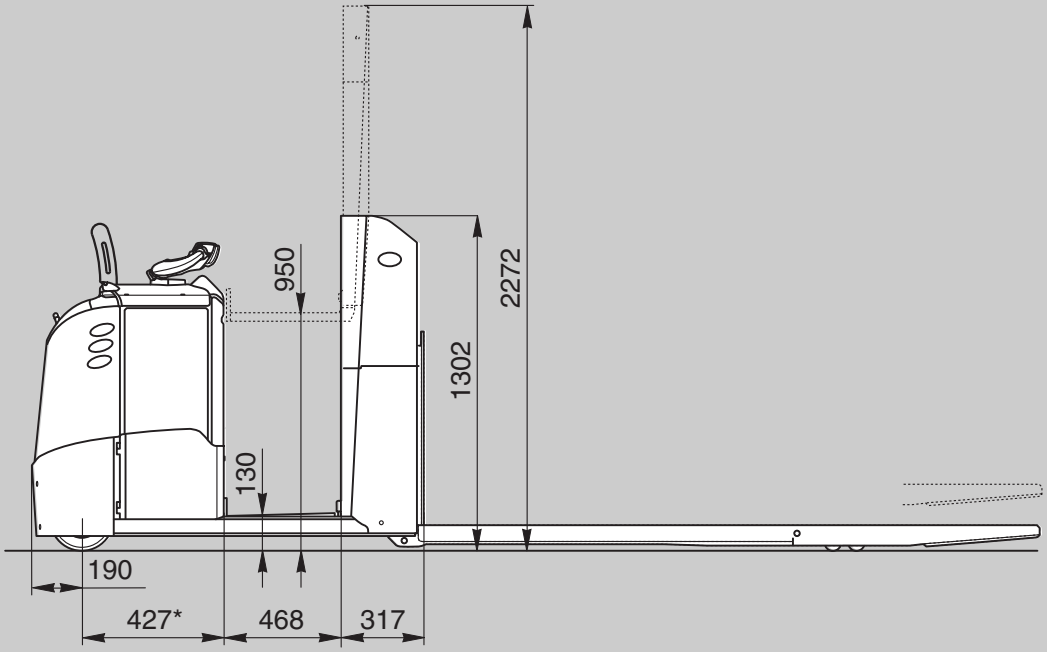


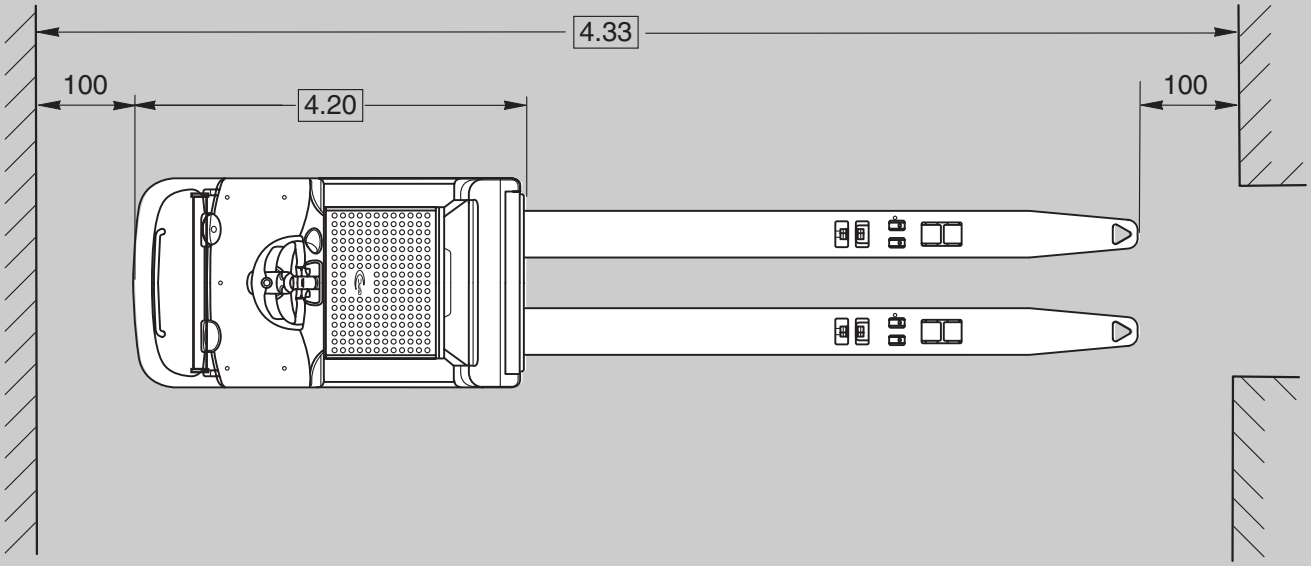
* Large battery compartment = 547 mm (optional on GPC 3040, standard on GPC 3060)

** Extended operator compartment = 515 mm (GPC 3040/3060)

*** On extended operator compartment the operator step height = 442 mm (GPC 3040/3060)

GPC 3040 and 3060 with optional platform lift





* Large battery compartment = 547 mm (optional on GPC 3040, standard on GPC 3060)

Table 1 GPC 3020 Standard: 465 Ah / 440 mm operator compartment

1.6	**Load Centre**	c	mm	500	550	600	750	800	1100	1200	1200	1250	1250	1440
1.8	**Load Distance, raised** [1]	x	mm	770	870	920	1220	1000	1390	1800	1640	1815	1865	2120
1.9	**Wheel Base, raised** [1]	y	mm	1905	2005	2055	2355	2135	2525	2935	2775	2955	3005	3525
2.1	**Weight**	less battery	kg	837	848	854	888	905	967	995	995	1001	1006	1049
2.2	**Axle Load**	w. load	front	1078	1138	1143	1296	1052	1185	1434	1321	1431	1450	1505
		w. load	rear	2139	2090	2091	1972	2233	2162	1941	2054	1949	1936	1924
2.3	**Axle Load**	w.o. load	front	795	820	832	897	865	956	1025	1005	1030	1039	1088
		w.o. load	rear	422	409	402	371	420	390	350	370	351	348	341
4.19	**Overall Length**	l1	mm	2325	2425	2475	2775	2925	3475	3725	3725	3775	3825	4205
4.20	**Head Length**	l2	mm	1327										
4.22	**Fork Length**	l	mm	**1000**	**1100**	**1150**	**1450**	**1600**	**2150**	**2400**	**2400**	**2450**	**2500**	**2880**
4.22a	**Fork Tip Length**		mm	**413**	**413**	**413**	**413**	**783**	**944**	**783**	**944**	**815**	**815**	**944**
4.25	**Width Across Forks**	b5	mm	**520 / 540 / 560 / 680**										
4.35	**Turning radius, raised** [1]	Wa	mm	2095	2195	2245	2545	2325	2715	3125	2965	3145	3195	3445

Table 2 GPC 3040 Standard: 465 Ah / 440 mm operator compartment

1.6	**Load Centre**	c	mm	500	550	600	750	800	1100	1200	1200	1250	1250	1440
1.8	**Load Distance, raised** [1]	x	mm	770	870	920	1220	1000	1390	1800	1640	1815	1865	2120
1.9	**Wheel Base, raised** [1 2 3 5]	y	mm	1905	2005	2055	2355	2135	2525	2935	2775	2955	3005	3525
2.1	**Weight** [4 6]	less battery	kg	837	848	854	888	905	967	995	995	1001	1006	1049
2.2	**Axle Load**	w. load	front	1078	1138	1143	1296	1052	1185	1434	1321	1431	1450	1505
		w. load	rear	2139	2090	2091	1972	2233	2162	1941	2054	1949	1936	1924
2.3	**Axle Load**	w.o. load	front	795	820	832	897	865	956	1025	1005	1030	1039	1088
		w.o. load	rear	422	409	402	371	420	390	350	370	351	348	341
4.19	**Overall Length** [2 3 5]	l1	mm	2325	2425	2475	2775	2925	3475	3725	3725	3775	3825	4205
4.20	**Head Length** [2 3 5]	l2	mm	1327										
4.22	**Fork Length**	l	mm	**1000**	**1100**	**1150**	**1450**	**1600**	**2150**	**2400**	**2400**	**2450**	**2500**	**2880**
4.22a	**Fork Tip Length**		mm	**413**	**413**	**413**	**413**	**783**	**944**	**783**	**944**	**815**	**815**	**944**
4.25	**Width Across Forks**	b5	mm	**520 / 540 / 560 / 680**										
4.35	**Turning radius, raised** [1 2 3 5]	Wa	mm	2095	2195	2245	2545	2325	2715	3125	2965	3145	3195	3445

Table 3 GPC 3060 Standard: 620 Ah / 440 mm operator compartment

1.6	**Load Centre**	c	mm	800	1100	1200	1200
1.8	**Load Distance, raised** [1]	x	mm	1000	1390	1800	1640
1.9	**Wheel Base, raised** [1 3 5]	y	mm	2255	2645	3055	2895
2.1	**Weight** [4 6]	less battery	kg	912	974	1002	1002
2.2	**Axle Load**	w. load	front	1220	1369	1673	1532
		w. load	rear	2897	2810	2534	2675
2.3	**Axle Load**	w.o. load	front	981	1074	1143	1123
		w.o. load	rear	436	405	364	384
4.19	**Overall Length** [3 5]	l1	mm	3045	3595	3845	3845
4.20	**Head Length** [3 5]	l2	mm	1447			
4.22	**Fork Length**	l	mm	**1600**	**2150**	**2400**	**2400**
4.22a	**Fork Tip Length**		mm	**783**	**944**	**783**	**944**
4.25	**Width Across Forks**	b5	mm	**520 / 540 / 560 / 680**			
4.35	**Turning radius, raised** [1 3 5]	Wa	mm	2445	2835	3245	3085

[1] forks lowered + 115 mm
[2] with optional larger battery compartment (620 Ah) + 120 mm
[3] with optional extended operator compartment (515 mm) + 75 mm
[4] with optional extended operator compartment (515 mm) + 25 kg
[5] with optional platform lift + 75 mm
[6] with optional platform lift + 110 kg

General Information	1.1	**Manufacturer**				Crown Equipment Corporation		
	1.2	**Model**				GPC 3020-2.0	GPC 3040-2.0	GPC 3060-2.7
	1.3	**Power**				electric		
	1.4	**Operator Type**				order picker		
	1.5	**Load Capacity**		Q	t	2.0		2.7
	1.6	**Load Centre**		c	mm	see table 1	see table 2	see table 3
	1.8	**Load Distance**	raised	x	mm	see table 1	see table 2	see table 3
	1.9	**Wheel Base**	raised	y	mm	see table 1	see table 2	see table 3
Weights	2.1	**Weight**	less battery		kg	see table 1	see table 2	see table 3
	2.2	**Axle Load**	w. load. front / rear		kg	see table 1	see table 2	see table 3
	2.3	**Axle Load**	w.o. load. front / rear		kg	see table 1	see table 2	see table 3
Tyres	3.1	**Tyre Type**				Vulkollan		
	3.2	**Wheel Size**	front		mm	Ø 250 x 75		
	3.3	**Wheel Size**	rear		mm	Ø 82 x 82		
	3.4	**Additional Wheels**	castor wheel		mm	Ø 150 x 60		
	3.5	**Wheels**	number (x=driven) front/rear			1x + 1 / 4		
	3.6	**Track Width**	front	b10	mm	492		
	3.7	**Track Width**	rear	b11	mm	340 / 360 / 380 / 500		
Dimensions	4.4	**Lift Height**		h3	mm	150		
	4.8	**Operator Stand Height**		h7	mm	130		
	4.9	**Control Handle Height**		h14	mm	1155		
	4.15	**Fork Height**	lowered	h13	mm	90		
	4.19	**Overall Length**		l1	mm	see table 1	see table 2	see table 3
	4.20	**Headlength**		l2	mm	see table 1	see table 2	see table 3
	4.21	**Overall Width**		b1	mm	810		
	4.22	**Fork Dimension**		thxwxl	mm	78 x 180 x 2400		
	4.22a	**Fork Tip Length**			mm	see table 1	see table 2	see table 3
	4.25	**Width Across Forks**		b5	mm	520 / 540 / 560 / 680		
	4.31	**Ground Clearance**	below mast	m1	mm	20		
	4.32	**Ground Clearance**	centre wheelbase	m2	mm	28		
	4.33	**Working Aisle Width ***	2 Euro Pallets length, raised	Ast	mm	3925		4045
	4.35	**Turning Radius**	raised	Wa	mm	see table 1	see table 2	see table 3
Performance	5.1	**Travel Speed**	w./w.o. load		km/h	8.0 / 10.5	9.0 / 12.5	8.5 / 12.5
	5.2	**Lift Speed**	w./w.o. load		m/s	0.05 / 0.06		0.06 / 0.08
	5.3	**Lowering Speed**	w./w.o. load		m/s	0.06 / 0.06		
	5.7	**Gradability**	w./w.o. load 30 min. rating		%	5 / 14		5 / 16
	5.8	**Max. Gradability**	w./w.o. load 5 min. rating		%	8 / 15		9 / 15
	5.10	**Service Brake**				electric		
Motors	6.1	**Traction Motor**	rating at S2 60 min.		kW	2.5		3.2
	6.2	**Lift Motor**	rating at S3 15%		kW	1.2	1.2**	2.2
	6.3	**Max. Battery Box Size**		lxwxh	mm	210x790x784		330x790x784
	6.4	**Battery Voltage**	nominal capacity K5		V/Ah	24 / 420, 465 Ah		24 / 560, 620 Ah
	6.5	**Battery Weight**			kg	367, 383		489, 509
	6.6	**Energy Consumption**	acc. to VDI cycle		kWh/h	0.65	0.74	0.82
Misc.	8.1	**Type Controller**	drive			transistor		

* Ast calculation based on standard truck configuration with 2400 mm fork length and 944 mm fork tip length

** With optional platform lift 2.2 kW

Capacity
GPC 3020 - 2000 kg
GPC 3040 - 2000 kg
GPC 3060 - 2700 kg

Electric System / Batteries
24-volt electrical system with nominal battery capacities from 420 Ah up to 620 Ah.

The battery can be removed vertically or horizontally with optional battery rollers for left/right or both sides removal.

Standard Equipment
1. Maintenance free 3-phase (AC) traction and steering motors
2. e-Gen™ Braking System offers regenerative and frictionless electric braking (Mechanical braking applies only as parking brake)
3. Electronic steering with the centre mounted X10® Handle for precise and effortless control
4. The self centering X10® Control Handle places all truck functions at the operator's fingertips
5. Crown Access 1 2 3™ Comprehensive System Control
6. Intelligent Steering System slows the travel speed in curves
7. Load-dependent speed
8. Crown's Information Display
   - 1 line LCD display with 8 characters
   - Battery discharge indicator
   - Keyless start up with PIN code
   - Start up and run time diagnostics
   - 3 selectable traction performance profiles (3040, 3060)
   - Hour meters including traction motor, hydraulic motor and run time
   - Access 1 2 3 onboard diagnostic with real time troubleshooting capabilities
9. CAN-Bus technology
10. Ramp hold
11. Low step height of 130 mm with a wide walk-through area
12. Suspended floorboard with a non-slip anti-fatigue floor mat with integrated presence sensors
13. Electric power disconnect plug
14. Large storage compartments
    - Large front storage tray
    - Large storage compartments in the backrest
    - 2 large storage bins in the backrest (3040, 3060)
15. Vulkollan drive tyre, castor wheel and tandem load wheels
16. Soft contoured backrest with cushioned soft kneepad (3040, 3060)
17. Battery connector DIN 160 A
18. Heavy duty fork assembly
19. Desktop work surface (3060)
20. Front Work Assist™ accessory tube (3040, 3060)
21. Heavy duty power unit
    - 10 mm thick steel skirt
    - Easily removable reinforced steel covers
    - Top battery access
22. Battery compartment for 420 - 465 Ah batteries (3020, 3040)
23. Battery compartment for 560 – 620 Ah batteries (3060)

Optional Equipment
1. Fork length and spread options
2. Battery compartment for 560 - 620 Ah batteries (3040)
3. Extended platform with 515 mm walk-through (3040, 3060, not available with platform lift)
4. Fold-down step (3040, 3060, not available with platform lift)
5. Backrest grab bar (standard if fold-down step is ordered, 3040, 3060, not available with load backrest and platform lift)
6. Platform lift with an operator stand height of 950 mm (3040, 3060)
7. Picking guard
8. Pick Position Controls™ in the backrest (3040, 3060)
9. Adjustable fold-down lean seat (3040, 3060, not available with platform lift)
10. Desktop work surface (3040 with large battery compartment)
11. Battery roll out for left / right or both sides
12. SBE 160 red battery connector
13. Power supply 12V for electronic tools
14. Key switch
15. Cold storage conditioning (3040, 3060)
16. Load backrest 1610 mm (3040, 3060) with integrated handle
17. Audible travel alarm
18. Flashing beacon (3040, 3060)
19. 2 large storage bins in the backrest (3020)
20. Special paint
21. Rubber bumper
22. Rear storage compartment (3040, 3060, not available with load backrest or platform lift)
23. Pallet entry rollers
24. Front Work Assist™ accessory tube (3020)
25. Rear Work Assist™ accessory tube (3040, 3060, not available with load backrest or platform lift)
26. Work Assist™ Accessories
    - Load tray
    - Foil roll holders
    - Storage pockets
    - Beverage holder
    - Trash bag holder
    - Scan gun holder
    - Small, medium and large clip boards
    - Mounting brackets for WMS terminals
27. Key pad (3040, 3060)

Electrical
24 volt electrical system managed by Crown's Access 1 2 3 Comprehensive System Control. Virtually maintenance-free AC traction motor provides strong acceleration and control at any speed. Sensors monitor functional parameters including load, steering, speed and operator position and adjusts operational settings automatically to suit conditions.

Power Unit
The rugged power unit is designed for tough real-world applications. A 10 mm thick skirt protects drive unit and caster components while reinforced steel covers and doors cover all electronics. The uncluttered layout of components provides quick and easy access for servicing.

Operator Area and Controls
Soft and fully suspended floorboard reduces operator fatigue. Wide walk-through compartment with rounded surfaces provides a convenient shortcut even while carrying boxes. Contoured lean pad helps the operator stay centred in the truck while providing a soft contact surface to lean against. Multiple storage pockets provide locations for tools and personal effects.
All truck functions are controlled by the award-winning X10 control handle that allows simultaneous operation of all functions with one hand. Electronic steering is standard on all models, providing precise, predictable control. A large information display provides battery discharge level, operational status and service messages to the operator.

Access 1 2 3™ Comprehensive System Control
Crown's Access 1 2 3 technology provides optimum performance and control by offering a communications interface for the operator and service engineer, intelligent coordination of lift truck systems and simplified service with advanced diagnostics.

The display includes a full featured on-board service tool so service engineers can actively view inputs and outputs during truck operation. No laptop or service terminal is required.

Performance tuning can be accessed at the display to customise truck performance for specific applications or operator requirements.

e-GEN™ Braking System
The power of the high-torque AC traction motor is used to stop the truck and keep it static until a travel input is requested, even when operating on a gradient. This system eliminates adjustments and wear points for a lifetime of maintenance free use. An automatic parking brake activates if the truck is stopped and the operator leaves the platform or power is disconnected.

Work Assist™ Accessories
A comprehensive range of Work Assist accessories are available to support every kind of picking and administrative task. These rugged tools can be easily combined and positioned in the location best suited to the application and the user. Customer accessories can also be added using the universal clamp and adapter plate.

Safety Regulations
Conforms to European safety standards. Dimensions and performance data given may vary due to manufacturing tolerances. Performance is based on an average size vehicle and is affected by weight, condition of truck, how it is equipped and the conditions of the operating area. Crown products and specifications are subject to change without notice.

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