

D8087 3P



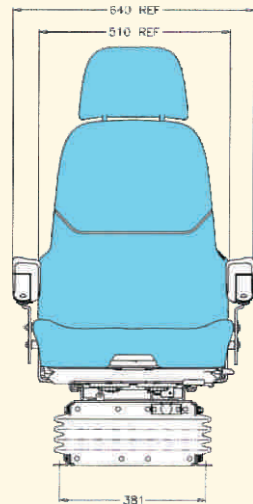
D8087 ROR



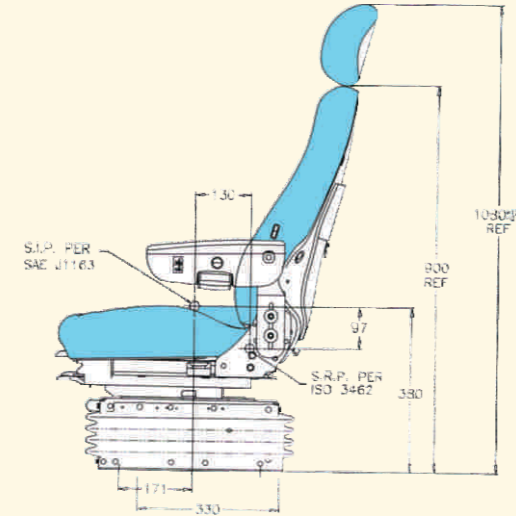
THE 'ULTIMATE' MINING SEATS

	D8087	D8087 3P	D8087 ROR	D5087
Infinite height & weight adjustment	●	●	●	●
Armrests	●	●	●	●
Angle adjusting, fold up 70 mm x 320mm	●	●	●	●
Asphalt cover fabric	●	●	●	●
Suspension	●	●	●	●
Air suspension with 24v compressor	●	●	●	●
Low frequency Toggle link suspension	●	●	●	●
100mm (3") suspension travel	●	●	●	●
Height adjustment	●	●	●	●
80mm (3")	●	●	●	●
Adjustable damper	●	●	●	●
Fore/aft adjustment over 180mm	●	●	●	●
Electric air lumbar support	●	●	●	●
Cushions	●	●	●	●
Hi-backrest	●	●	●	●
Mid-backrest	●	●	●	●
Double depth	●	●	●	●
Wide 520 mm (20")	●	●	●	●
Adjustable backrest angle	●	●	●	●
Integrated seatback extension	●	●	●	●
Headrest with 4 position adjustment	●	●	●	●
Adjustable seat cushion length and angle	●	●	●	●
Document holder	●	●	●	●
3 Point Seat Belt System	●	●	●	●
Rollover Restraint Seatbelt System	●	●	●	●
OPTIONAL FEATURES				
Seat belt	●	●	●	●
Seat heating	●	●	●	●
Seat switch	●	●	●	●
Lateral Isolator	●	●	●	●

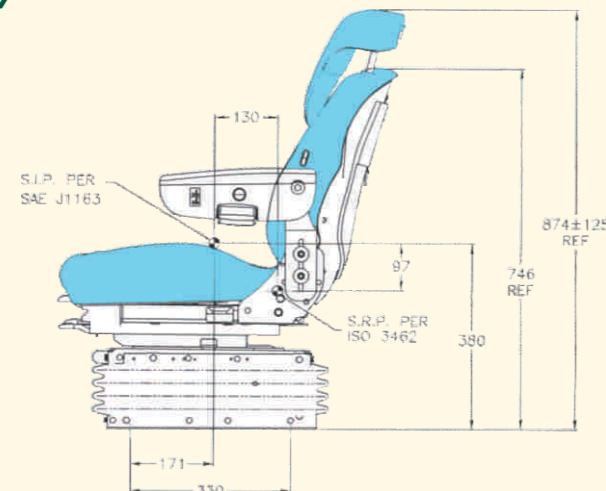
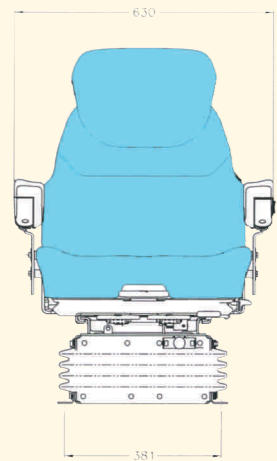
● Standard ● Optional



D8087



D5087



THE **ULTIMATE** RANGE OF SEATS FOR MINING EQUIPMENT, OFFERS THE ULTIMATE COMFORT, DURABILITY AND RIDE, FITTED WITH PATENTED TOGGLE LINK™ LOW FREQUENCY AIRIDE® SUSPENSION AND PATENTED DURAPUCK™ SLIDES, WHICH ARE INDUSTRY PROVEN, AS FACTORY FITTED BY CATERPILLAR.

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THE ULTIMATE SEATS
 FOR SEVERE DUTY &
 VERY HEAVY MINING
 & QUARRYING EQUIPMENT



TOTAL COMFORT

Innovation
 Durability
 Comfort



SEARS SEATING



Sears - Sears Who? A History

Founded in 1855 the Sears Manufacturing Company pioneered the development of specialist seats for the agricultural, construction and industrial vehicle industries. Upon entering the market Sears immediately established a reputation for supplying technologically advanced products that offered unparalleled comfort and durability. These qualities became the hallmark of a Sears seat making Sears number one in the off road seating industry, a position which, through progressive innovation, we still proudly hold today.



Innovation

With more than 60 patents to our name over the years, Sears were the first to design or introduce features such as; adjustable armrests, 'DuraPuck™' type slides, the 'Fabriform®' pour in place cushion process, mechanical scissors type suspensions and behind and beneath the seat air suspensions plus horizontal and lateral isolation. The Sears low-frequency 1.2Hz suspension was cutting edge technology when introduced in 1987.



It was specially designed to absorb the vibrations typical of large tractors and tractors with axle and now cabin suspension. The seat's low natural frequencies substantially reduce the vibration and jolts experienced by operators. This not only makes for outstanding comfort, but also lets you stay relaxed and alert while working. This was a development our competitors have only recently begun to match.



Innovation in seat ride

Our desire to maintain our technological lead in the off road seating industry has meant that Sears have now introduced an innovative and advanced all new suspension range including the Airide® LNF, and computer controlled, VRS® Semi-Active and VES® Active versions, which can reduce the frequency rating of our suspensions to less than 0.5Hz. For the operator, this means improved comfort, improved ride performance and even greater reductions of vibration.



Comfort

Sears seats were the first in the off road industry to undergo extensive ergonomic analysis. Cushion design is assisted by pressure mapping techniques whilst suspension settings are optimised using the six degree axis ride simulator (pictured left) for maximum operator comfort.

Seat function and controls are specified for ease of use in any number of conditions. These specifications are then field tested in the most arduous conditions found in the North American prairies e.g. in the granite quarrying and logging industries. The operators of these machines often spend in excess of 16 hours in the seat. These are the proving grounds of the Sears seat. All our models offer unrivaled comfort. The ergonomically designed, tapered back rest lets you move freely in all working situations, while the wide double depth seat cushions and arm rests optimally support you without restricting your movement. Sears seats can be customize for the ultimate in personal comfort, thanks to the many features for adjusting armrest height, seat angle, seat height and lumbar support.



Durability

Sears reputation for durability is well founded as being the only off road seat manufacturer who has for 10 years designed and produced seats, slides and suspensions rated at 5,000 hours for the most demanding of mining conditions. Not satisfied with this, Sears have spent 5 years developing an award winning new seat, for use in the construction industry, rated at 10,000 hours, using materials and processes that are completely new to the off road seating industry - another first for Sears. This experience and know how are built into every Sears seat

ULTIMATE

D8087 SERIES

Posture Rite™ headrest

Every back is different. With high back cushions, help to prevent damage from bad posture, keeping you feeling relaxed, even during long periods behind the controls. The Posture Rite™ headrest can be adjusted with 4 forward positions.

Fabric design

Tough, hard wearing, waterproof, stylish and good looking.

Fully adjustable armrest (Optional)

Designed for easy angle adjustment on the move, these fully fold up arms feature substantial foam padding on the inside of the arm greatly improving comfort over rough terrain, plus height adjustment of 40 mm.

Wide, double depth Fabriform® cushions

For superior support and comfort the patented Fabriform® cushions, developed in Europe and on the prairies of North America, are ergonomically designed using double depth foam, making Sears cushion comfort legendary.

Seat cushion angle adjustment 21°

The adjustable Seat Angle reduces pressure on the back of the knees in 3 steps.



DuraPuck™ Slides

The unique patented DuraPuck™ slide (as used by CATERPILLER) with 180mm (7") of travel. Non jamming, adjustable with 10,000 hour reliability. The ultimate slide available today.

Togglelink™ (TLV™) Low natural frequency Airide® suspension

The unique and very robust TLV™ or Toggle Link™ Suspension replaces traditional roller bearings with toggle links. Virtually eliminating side play whilst vastly improving durability. This is the Ultimate Air suspension.

Automatic height & weight adjustment 50 - 175kg

80mm (3") seat height adjustment
Perfect positioning for any height

80mm (3") suspension travel
Isolates even the hardest vertical jolts

Niederfrequenz Federung

Low Frequency Suspension

Suspension à fréquence ultra basse



Ergonomically sculptured back support
For full range of movement

Document holder (optional)

Seat heating (optional)

Thermostatically controlled heater with multi filament design for rapid warm up.

Electric Air lumbar support

Back care at the touch of a button. The air lumbar support moulds itself to your back, quickly and exactly - not only making you feel comfortable, but also preventing damage to your spine by ergonomically supporting your lower back.

Lateral isolator (optional)

The heavy duty DUO® damped lateral isolator system with nylon rollers, provides vastly improved ride performance when the going gets tough, reducing side-to-side vibration and jarring especially at high speeds.

Horizontal Isolator (Optional)

Fully sprung and DUO® damped with 50mm of travel, this lockable feature offers the greatest protection from fore-aft jolts and vibration created when travelling at high speeds, over tough terrain or when using trailers or auxiliary equipment.

Infinite seat back angle adjustment

Seat cushion extension

60mm (2 1/4 ") in 5 steps providing thigh support whatever your height

Adjustable DUO® damper & fixed DUO® damper

The unique twin chambered Duo® dampers offer vastly improved performance especially over extended work cycles. The wide damper body provides heat dissipation, while the second damper chamber provides fluid cooling helping to optimize performance. It also provides not just hard and soft settings but a fully multi-position damper to suit virtually all jobs and terrain conditions. By utilising two dampers, almost all ride conditions and driver requirements can be dealt with. This has to be the Ultimate damping solution

