

Rescue Rams



R 430

World's First Triple Stage Rescue Ram

With its push capacity of up to 30 US tons in the first stage and 14 US tons in the second stage, the R430 Ram is capable of carrying out the heaviest rescue operations.

With its telescopic design, a retracted length of only 18.9 inches can be extended to 51.3 inches in three stages. This long working range allows rescue jobs in one step which would normally require the application of several traditional rams, in sequence. The duration of the extrication can be considerably reduced.



Applications

- Traffic, railroad, aircraft, marine accidents
- Building rescue and Disaster Management
- Moving obstacles, lifting loads, creating rescue openings and stabilizing

Features & Benefits

- Compact, light-weight
- High resistance against lateral load
- Claws on top and base provide firm grip on flat or oblique surfaces
- Intelligent star-grip control valve provides access from every angle
- Minimum retracted length and large stroke with the triple stage design



Specifications

Total stroke		32.2 in. (820 mm)
Stroke	piston 1	11.6 in. (295 mm)
	piston 2	11 in. (280 mm)
	piston 3	9.6 in. (245 mm)
Lifting force	piston 1	60,000 lbs. (267 kN)
	piston 2	29,900 lbs. (133 kN)
	piston 3	8,800 lbs. (39 kN)
Length	extended	51.3 in. (1305 mm)
	retracted	18.9 in. (480 mm)
Oil requirement		92.4 cu. in. (1514 cm ³)
Dimensions: w x h		8.3 x 4.4 in. (210 x 112 mm)
Weight		38.6 lbs. (17.5 kg)

Useful Components



LRS 120 Ram Support*

Weight 20.7 lbs. (9.4 kg)



LRS-C Ram Support*

Weight 24.2 lbs. (11 kg)

*Details on page 32.

Power Units

- P 610 OG / P610 OD
- P 640 Series
- P 640 TRIMO

Rescue Rams

STREAMLINE
TECHNOLOGY

R 420 / R 422 / R 424



The world's first complete range of telescopic rams. With lifting capacity of up to 30 US tons and 14 US tons, STREAMLINE^{Technology} Telescopic Rams offer maximum performance reserves. The most powerful Telescopic Rams with unsurpassed low weight.

Applications

- Traffic, railroad, aircraft, marine accidents
- Building rescue and disaster management
- Moving obstacles, lifting loads, creating rescue openings and stabilizing

Features & Benefits

- Minimal retracted height but enormous lifting stroke through telescopic design
- Reach lifting height of two standard rams with one stroke
- Light-weight, less space required: two telescopic rams instead of three standard rams
- Intelligent star-grip control valve provides access from every angle
- Claws on top and base provide a firm grip on flat or oblique surfaces
- Spreading, peeling, and pulling without changing the tips



Specifications	R420	R422	R424
Total stroke	22.6 in. (575 mm)	27.8 in. (705 mm)	34.5 in. (875 mm)
Stroke			
Lifting cap. piston 1	11.6 in. / 60,000 lbs. (295 mm / 267 kN)	15.7 in. / 60,000 lbs. (365 mm / 267 kN)	17.5 in. / 60,000 lbs. (445 mm / 267 kN)
Stroke			
Lifting cap. piston 2	11 in. / 29,900 lbs. (280 mm / 133 kN)	14.8 in. / 29,900 lbs. (340 mm / 133 kN)	16.9 in. / 29,900 lbs. (430 mm / 120 kN)
Length (Extended)	41.4 in. (1055 mm)	50.8 in. (1255 mm)	59 in. (1505 mm)
Oil requirement	86 cu. in. (1410 cm ³)	106 cu. in. (1735 cm ³)	130.5 cu. in. (2139 cm ³)
Dimensions: l x w x h (Retracted)	18.8 x 4.4 x 8.3 in. (480 x 112 x 211mm)	23 x 6.2 x 9.7 in. (550 x 112 x 211mm)	24.8 x 4.4 x 8.3 in. (630 x 112 x 211mm)
Weight	36.8 lbs. (16.7 kg)	41.4 lbs. (18.8 kg)	46.1 lbs. (20.9 kg)
Model	R420	R422	R424
Use with Power Unit	P 610 OG / P610 OD		
	P 620 Series	P 620 Series	P 620 Series
	P 640 Series	P 640 Series	P 640 Series
	P 640 TRIMO	P 640 TRIMO	P 640 TRIMO

Useful Components



LRS 120

Ram Support*

Weight 20.7 lbs. (9.4 kg)



LRS-C

Ram Support*

Weight 24.2 lbs. (11 kg)



Ram Attachment Set*

Weight 20.3 lbs. (9.2 kg)

*Details on page 32.

Rescue Rams

STREAMLINE
TECHNOLOGY

R 410 / R 412 / R 414



STREAMLINE^{Technology} standard ram series with gradual sizes. The smaller ram creates the incremental opening for the next size.

Applications

- Traffic, railroad, aircraft and marine accidents
- Disaster management and building collapse
- Moving obstacles, lifting loads, creating man-holes and stabilizing
- Creating rescue openings and stabilizing loads

Features & Benefits

- Best ratio between open and closed length
- Intelligent star-grip valve provides 360 degree access
- Claws on top and base provide a firm grip on flat or oblique surfaces



Specifications	R410	R412	R414
Stroke	12 in. (300 mm)	20 in. (500 mm)	27.6 in. (700 mm)
Lifting force	30,800 lbs. (137 kN)	30,800 lbs. (137 kN)	27,600 lbs. (123 kN)
Length (Extended)	41.4 in. (1055 mm)	46.5 in. (1180 mm)	63 in. (1600 mm)
Length (Retracted)	30 in. (750 mm)	26.5 in. (680 mm)	35.4 in. (900 mm)
Oil requirement	29.1 cu. in. (477 cm ³)	48.5 cu. in. (795 cm ³)	67.9 cu. in. (1113 cm ³)
Dimensions: w x h	3.4 x 6.9 in. (86 x 174 mm)	3.4 x 6.9 in. (86 x 174 mm)	3.4 x 6.9 in. (86 x 174 mm)
Weight	27 lbs. (12.5 kg)	38 lbs. (17.4 kg)	51 lbs. (23 kg)

Model	R410	R412	R414
Use with Power Unit	P 600 OB		
	P 610 OG / P 610 OD	P 610 OG / P 610 OD	P 610 OG / P 610 OD
	P 620 Series	P 620 Series	P 620 Series
	P 640 Series	P 640 Series	P 640 Series
	P 640 TRIMO	P 640 TRIMO	P 640 TRIMO

Useful Components



LRS 120
Ram Support*
 Weight 20.7 lbs. (9.4 kg)



LRS-C
Ram Support*
 Weight 24.2 lbs. (11 kg)



Ram Attachment Set*
 Weight 20.3 lbs. (9.2 kg)



Extension for R410
 10 in. (250 kg)



Claw for R410 & R414
 Weight 1.1 lbs. (0.5 kg)

*Details on page 32.

Ram Support

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 TECHNOLOGY



LRS 120

Ram Support

The HURST Ram Support is a stable base for any ram used in vehicle extrication.

- Allows for a longer stroke of the ram
- Three different options as base for the ram
- Can be used with all rams and for any rocker panel
- Allows for pushing in any direction
- Compact size, light-weight, bolted construction

Weight: 20.7 lbs. (9.4 kg)



LRS-C

Ram Support

HURST LRS-C is a stable and secure ram support offering sensational features. Compared with other ram supports, the LRS-C can be adjusted individually to any vehicle design. By adjusting the opening width it can be applied to door sills with heights from 5.5 inches to 9.8 inches. The LRS-C can be used for passenger cars, station wagons, vans etc. Once the ram is put on top of the support, it will "bite" into the car material safely stabilizing the part during the rescue work.

- "Bites" into the door sill for safe, non-slip support
- Suitable for all rescue rams
- Adjustable to door sills from 5.5 inches to 9.8 inches in height
- Adjustable to any rescue ram length
- Easy to handle, space saving and easy to carry

Weight: 24.2 lbs. (11 kg)

Ram Attachment Set



Real life extrications often require more than standard tips.

This handy set increases the capability and versatility of your system.

Compatible with all ram models.

Consists of:

- V-block
- Wedge
- Conical point
- Adapters for all current rams

Weight: 20.3 lbs. (9.2 kg)