

## SINGLE-STAGE RESCUE RAMS

R 410 / R 412 / R 414



## TELESCOPIC RESCUE RAMS

R 420 / R 422 / R 424 / R 430



	R 410	R 412	R 414
Article number	81-40-20	81-40-22	81-40-24
Total stroke	–	–	–
Piston stroke – piston 1	300 mm	500 mm	700 mm
Lifting force – piston 1	137 kN	137 kN	124 kN
Piston stroke – piston 2	–	–	–
Lifting force – piston 2	–	–	–
Piston stroke – piston 3	–	–	–
Lifting force – piston 3	–	–	–
Retracted length	450 mm	680 mm	900 mm
Extended length	750 mm	1,180 mm	1,600 mm
Oil requirement	477 cm <sup>3</sup>	795 cm <sup>3</sup>	1,110 cm <sup>3</sup>
Dimensions <sup>1)</sup>	450 × 95 × 174 mm	680 × 95 × 174 mm	900 × 95 × 174 mm
Weight	13.0 kg	17.7 kg	24.2 kg

<sup>1)</sup> L x W x H

	R 420	R 422	R 424	R 430
Article number	81-40-30	81-40-32	81-40-34	81-40-40
Total stroke	575 mm	705 mm	875 mm	820 mm
Piston stroke – piston 1	295 mm	365 mm	445 mm	295 mm
Lifting force – piston 1	269 kN	269 kN	269 kN	269 kN
Piston stroke – piston 2	280 mm	340 mm	430 mm	280 mm
Lifting force – piston 2	134 kN	134 kN	134 kN	134 kN
Piston stroke – piston 3	–	–	–	245 mm
Lifting force – piston 3	–	–	–	39 kN
Retracted length	480 mm	550 mm	625 mm	475 mm
Extended length	1,055 mm	1,255 mm	1,500 mm	1,295 mm
Oil requirement	1,410 cm <sup>3</sup>	1,740 cm <sup>3</sup>	2,140 cm <sup>3</sup>	1,700 cm <sup>3</sup>
Dimensions <sup>1)</sup>	480 × 112 × 221 mm	550 × 112 × 221 mm	625 × 112 × 221 mm	475 × 112 × 221 mm
Weight	16.8 kg	18.8 kg	21.0 kg	17.7 kg

<sup>1)</sup> L x W x H