



RANGE OF HI-RAIL AXLES & BOGIES

Version updated on September 1st, 2014



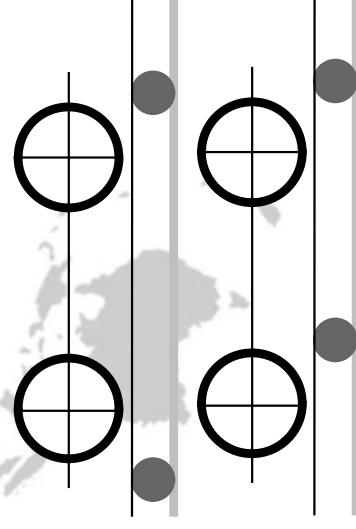


RANGE OF HI RAIL AXLES - EPV

RPV 02.15					
		Wheel load capacity (daN/lbs)		Axle load capacity (daN/lbs)	
Life time B10	N/A		5 000 hours		
Gauge 1 435 mm	2 000	4 400	2 300	5 060	
		Wheel ϕ 13'			
Unitary weight	196 kg / 430 lbs				
Available hydraulic motors			Maximum Speed		
Motor volume (CC)	Axle maximum speed (rpm)	Speed (kph)	Speed (mph)	Speed (kph)	Speed (mph)
260	258	16.1	10.0	-	-
-	-	-	-	-	-
-	-	-	-	-	-
Available hydraulic motors			Maximum traction force		
Motor volume (CC)		at 200 bars (lbs)			
-	-	daN	lbs	daN	lbs
260	-	450	990	-	-
-	-	-	-	-	-
-	-	-	-	-	-



Front / Rear

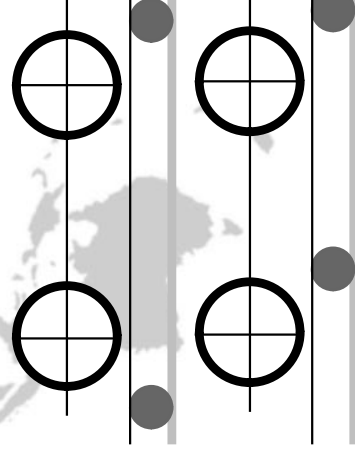


RANGE OF HI RAIL AXLES - EPV

EPV 06.32					
		Wheel load capacity (daN/lbs)	Axle load capacity (daN/lbs)		
Life time B10	N/A		5 000 hours		
Gauge	1 435 mm	6 000	13 230	6 900	15 210
		Wheel ø 18'		Wheels ø 23'	
Unitary weight	400 kg / 882 lbs		510 kg / 1 122 lbs		
Available hydraulic motors			Maximum Speed		
Motor volume (CC)	Axle maximum speed (rpm)	Speed (kph)	Speed (mph)	Speed (kph)	Speed (mph)
347	292	24.8	15.4	31.9	19.8
502	202	17.1	10.6	22.1	13.7
625	162	13.8	8.5	17.7	11.0
Available hydraulic motors			Maximum traction force		
Motor volume (CC)		at 330 bars (lbs)			
-	-	daN	lbs	daN	lbs
347	-	753	1 657	584	1 285
502	-	1 090	2 398	846	1 861
625	-	1 357	2 985	1 053	2 317



Front / Rear



RANGE OF HI RAIL AXLES - EPV

EPV 14.32			
	Wheel load capacity (daN/lbs)	Axle load capacity (daN/lbs)	
Life time B10	N/A	5 000 hours	
Gauge 1 435 mm	13 800	30 360	15200 * 33440 **
	Wheel ø 23'	Wheels ø 25'	
Unitary weight	715 kg / 1 573 lbs	750 kg / 1 650 lbs	

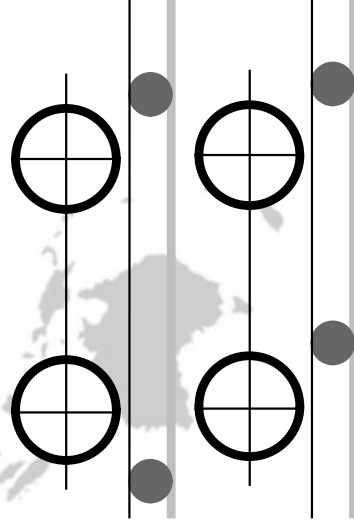


Available hydraulic motors				Maximum Speed			
Motor volume (CC)	Axle maximum speed (rpm)	Speed (kph)	Speed (mph)	Speed (kph)	Speed (mph)	Speed (kph)	Speed (mph)
730	293	32.0	19.9	32.0	19.9	35.3	22.0
980	218	23.9	14.8	23.9	14.8	26.3	16.4
1123	190	20.8	12.9	20.8	12.9	23.0	14.3

Available hydraulic motors				Maximum traction force			
				at 350 bars (lbs)			
Motor volume (CC)		daN	lbs	daN	lbs	daN	lbs
-	-	1 304	2 869	1 304	2 869	1 182	2 600
730	-	1 751	3 852	1 751	3 852	1 587	3 491
980	-	2 006	4 413	2 006	4 413	1 818	4 000
1123	-						

* 16 100 at 25kph ** 35 420 at 15mph

Front / Rear



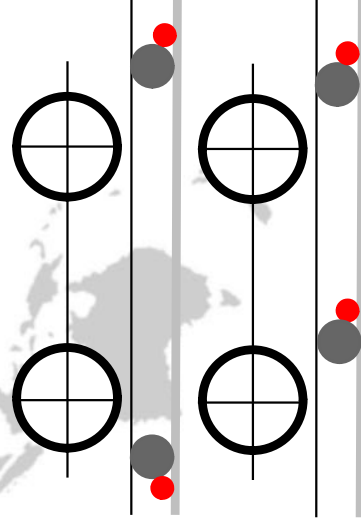


RANGE OF HI RAIL AXLES - EPV

EPV 14.32 - Steeractive					
	Wheel load capacity (daN/lbs)	Axle load capacity (daN/lbs)		5 000 hours	
Life time B10	N/A				
Gauge 1 435 mm	13 800	30 360	15 200	33 440	
	Wheel ϕ 23'		Wheels ϕ 25'		
Unitary weight	980 kg / 2 156 lbs		1 015 kg / 2 233 lbs		
Available hydraulic motors					
Motor volume (CC)	Axle maximum speed (rpm)	Speed (kph)	Speed (mph)	Speed (kph)	Speed (mph)
730	293	32.0	19.9	35.3	22.0
980	218	23.9	14.8	26.3	16.4
1123	190	20.8	12.9	23.0	14.3
Available hydraulic motors					
Maximum traction force					
at 350 bars (lbs)					
Motor volume (CC)	daN	lbs	daN	lbs	
-	-	-	1 182	2 600	
730	1 304	2 869	1 587	3 491	
980	1 751	3 852	1 818	4 000	
1123	2 006	4 413			



Front / Rear



Design to allow perfect steering in short curves of 15m00 / 49'



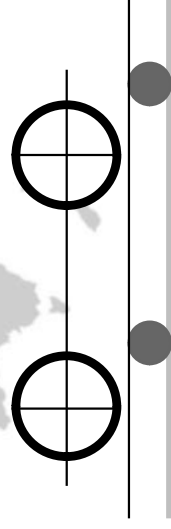
RANGE OF HI RAIL AXLES - EPV

EPV 17.25 HT					
	Wheel load capacity (daN/lbs)	Axle load capacity (daN/lbs)		5 000 hours	
Life time B10	N/A				
Gauge 1 435 mm	16 200	35 640	19 350	42 570	
	Wheel ø 23'	Wheels ø 25'			
Unitary weight	855 kg / 1 880 lbs	945 kg / 2 080 lbs			
Available hydraulic motors					
Motor volume (CC)	Axle maximum speed (rpm)	Speed (kph)	Speed (mph)	Speed (kph)	Speed (mph)
1 091	208	22.8	14.2	25.2	15.7
1 395	200	22.0	13.7	24.3	15.1
1 747	189	20.7	12.9	22.9	14.3
Available hydraulic motors					
Maximum traction force					
at 350 bars (lbs)					
Motor volume (CC)	-	daN	lbs	daN	lbs
1 091	-	1 949	4 288	1 767	3 887
1 395	-	2 492	5 482	2 259	4 970
1 747	-	4 045	8 899	2 828	6 222
				* 20 400 at 20kph	* 44 880 at 12.5mph



NEW

Front / Rear





RANGE OF HI RAIL AXLES – EPVIC

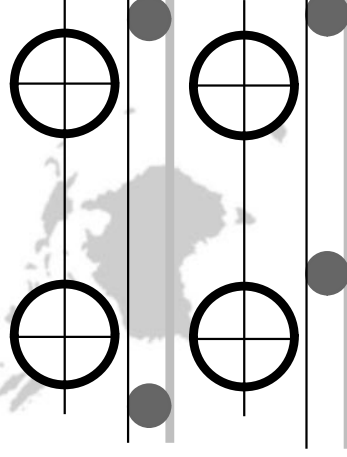
EPVIC 19.25			
	Wheel load capacity (daN/lbs)	Axle load capacity (daN/lbs)	
Life time B10	N/A	5 000 hours	
Gauge 1 435 mm	20 300	23 400	51 480
	Wheel ø 23'	Wheels ø 25'	
Unitary weight	1 020 kg / 2 244 lbs	1 060 kg / 2 332 lbs	



Available hydraulic motors				Maximum Speed			
Motor volume (CC)	Axle maximum speed (rpm)	Speed (kph)	Speed (mph)	Speed (kph)	Speed (mph)	Speed (kph)	Speed (mph)
730	293	32.0	19.9	35.3	22.0	35.3	22.0
837	256	27.9	17.4	30.8	19.2	30.8	19.2
1 048	204	22.3	13.9	24.6	15.3	24.6	15.3

Available hydraulic motors				Maximum traction force			
Motor volume (CC)		daN	lbs	daN	lbs	daN	lbs
-	-						
730	-	1 304	2 869	1 182	2 600	1 182	2 600
837	-	1 495	3 289	1 355	2 981	1 355	2 981
1 048	-	1 872	4 118	1 697	3 733	1 697	3 733

Front / Rear



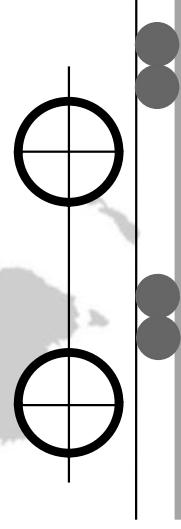


RANGE OF HI RAIL BOGIES – BPV

BPV 16.35 L & 32.25 HD					
	Wheel load capacity (daN/lbs)	Bogie load capacity (daN/lbs)		Bogie load capacity (daN/lbs)	
Life time B10	N/A	5 000 hours (L - HD)		32 000 - 70 400	
Gauge 1 435 mm	13 800	30 360	16 350 - 30 000	32 000 - 70 400	
	Wheel ϕ 23' (L - HD)	Wheels ϕ 25' (L - HD)			
Unitary weight	1820/2380 kg - 4400/5236 lbs	1890/2450 kg - 4160/5390 lbs			
Available hydraulic motors					
Motor volume (CC)	Axle maximum speed (rpm)	Speed (kph)	Speed (mph)	Speed (kph)	Speed (mph)
2 x 730 *	293	32.0	19.9	35.3	22.0
2 x 980 *	218	23.9	14.8	26.3	16.4
2 x 1123	190	20.8	12.9	23.0	14.3
Available hydraulic motors					
Motor volume (CC)	Maximum traction force				
	at 350 bars (lbs)				
-	daN	lbs	daN	lbs	lbs
2 x 730 *	2 608	5 738	2 364	5 201	5 201
2 x 980 *	3 502	7 704	3 174	6 983	6 983
2 x 1123	4 012	8 826	3 636	7 999	7 999
* Not available for 32.25 HD version					



Front / Rear



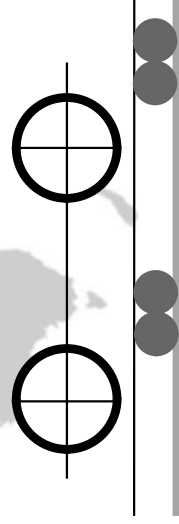
RANGE OF HI RAIL BOGIES – BPV

BPV 46.20 HDS					
		Wheel load capacity (daN/lbs)	Bogie load capacity (daN/lbs)		
Life time B10	N/A		5 000 hours (L - HD)		
Gauge 1 435 mm	16 200	35 640	46 800		102 960
		Wheel ø 23' (L - HD)	Wheels ø 25' (L - HD)		
Unitary weight	3 106 kg - 6 834 lbs		3 386 kg - 7 450 lbs		
Available hydraulic motors					
Motor volume (CC)	Axle maximum speed (rpm)	Speed (kph)	Speed (mph)	Speed (kph)	Speed (mph)
2 x 1048	204	22.3	13.9	24.6	15.3
2 x 1259	200	22.0	13.7	24.3	15.1
2 x 1404	186	20.4	12.6	22.5	14.0
Available hydraulic motors					
Maximum traction force					
Motor volume (CC)		at 350 bars (lbs)			
-	-	daN	lbs	daN	lbs
2 x 1048	-	3 744	8 237	3 394	7 467
2 x 1259	-	4 498	9 895	4 077	8 970
2 x 1404	-	5 016	11 035	4 547	10 003



NEW

Front / Rear





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