



Recommended applications for BPW axle systems with air suspension

Conditions	Axle load	Air suspension series	Tyre	Spring centre	Trailing arm		Hanger brackets	Shock absorber	Air bag	Axle beam	Axle clamping	Remarks
					70 mm	100 mm						
Standard use in Western Europe, on-road	9 t	AL II	S	≥ 1200	1 x 56		Standard	Standard	Ø 300 / Ø 360	120 x 10	clamped	for container and coil vehicles: check straps or quick release valves
			Z	< 1200	1 x 62					120 x 15		
	10 t	SL	S	≥ 1100			Standard / HD	Standard	Ø 360	120 x 15 150 x 10		
			Z	< 1100						150 x 16		
12 t	SL	Z			1 x 57 / 2 x 43					150 x 16		
		Z										
Mega trailers	9 t/ 10 t	SL	S / Z			1 x 58 / 1 x 60	Standard	Standard	Ø 360*	120 x 10	clamped	* = Long-stroke air bag 36-1
Eastern Europe or comparable operational conditions	9 t	AL II	S	≥ 1200	1 x 62		Standard	HD	Ø 360 with reinforced disc	120 x 15	clamped	
		SL	Z	< 1200		1 x 57 / 2 x 43	HD			150 x 16		
10 t	SL	S / Z										
		S / Z										
Tippers Western Europe simple applications	9 t	AL II	S	≥ 1200	1 x 62		Standard	Standard	Ø 300 / Ø 360 with reinforced disc	120 x 15	clamped	Check straps or quick release valves
Tippers severe heavy duty - e.g. behind all-wheel drive tractor units	9 t	SL	S	≥ 1200			Standard / HD	Standard	Ø 360 with reinforced disc	120 x 15	clamped	Check straps or quick release valves
			Z	< 1200			HD			150 x 16	welded	
10 t	SL	Z										
		Z										
Timber transport	9 t	SL	S	≥ 1200			HD	Standard / HD	Ø 360 with reinforced disc	120 x 15	clamped	
			Z	< 1200						150 x 16	welded	
	10 t	Z										

S = Single tyres, Z = Twin tyres

Axle and axle unit combinations for use outside Europe require the approval of the BPW Order Design Department.