



BPW axles for up to 5.5 t.

High savings with low weight.

we think transport



we think transport

The aim of the BPW Group is to provide the best possible support to our customers in the transport and logistics industry. That's why we place the utmost importance on meeting our customers' needs. This includes listening to you, ensuring that our solutions meet your individual requirements, and being there for you whatever the situation. For us at BPW, this means: **we think transport**

Five brands – one robust partner.

With the merger into the BPW Group of the BPW, Ermax, HBN Teknik, Hestal and idem telematics brands, we can be a strong partner in every area.

For us, the BPW Group represents the basis for a much more precise coordination of products and services. This way, we can provide the optimal solutions that support you and your ability to compete.

Naturally light.

BPW 5.5 t axle with drum or disc brakes.

Trailers for landscaping and municipal operations or for weight-optimised vehicles come with special requirements. Here, the light NR and SNR axles from BPW have proven themselves over decades of everyday operation: Rust and stone chips have absolutely no chance thanks to an KTL surface coating based on zinc phosphate. Reliable standard DIN ISO tapered roller bearings likewise contribute to a long service life. These signify the quickest possible spare parts

supply and high serviceability. Stepped bearings mean that hubs can be straightforwardly removed. What is more, our large distributor network and more than 3,200 service points guarantee optimal mobility at any time.

NRS 5506 with SLU air suspension



PRODUCT FEATURES:

- › available with disc brakes or drum brake
- › suspension unit weight, e.g. at track 2.200 mm and in combination with BPW air suspension:
 - with drum brake 298 kg
 - with disc brake 310 kg
- › for single or twin wheels
- › wheel sizes from 9" to 12" with NRDZ axles, 19.5" with NR axles and 17.5" to 19.5" with SNR axles
- › bolt or spigot wheel alignment
- › optional with ABS
- › KTL_{Zn}-coating

BPW 5.5 t axes – with and without suspension.

Track (mm)		Axle cross section (mm)	Spring centre (mm)									
Single wheels	Twin wheels		900	980	1.100	1.200	1.300	1.400	1.500	1.600	1.700	without
1.600	1.620	101x12										
1.700	1.720	101x12										
1.800	1.820	101x12										
1.800	1.820	101x16										
1.900	1.920	101x12										
1.900	1.920	101x16										
2.000	2.020	101x12										
2.000	2.020	101x16										
2.100	2.120	101x12										
2.100	2.120	101x16										
2.200	2.220	101x12										
2.200	2.220	101x16										
2.300		101x12										
2.300		101x16										

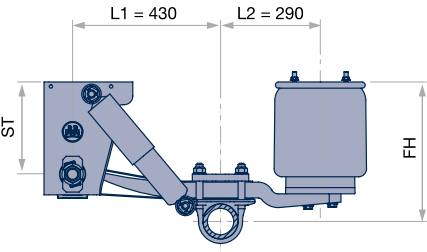
Complete product range Standard series for twin wheels Standard series for single wheels

BPW 5.5 t air suspension units – SL.

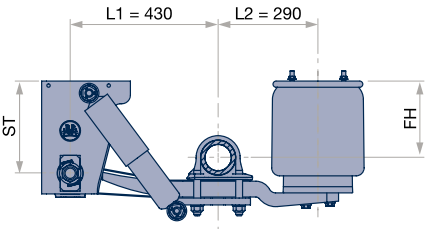
Series	Trailing arm width (mm)	Air suspension bracket (mm)	Air bag	Axle type		Adjustable ride height (mm)	
				Drum brake SN 3010	Disc brake SB 3307	for axle suspensions	loaded, without air
SLO	1x46	184	30K	NRS / NRZ	SNRS / SNRZ	375-395	295
SLO	1x46	268	30K	NRS / NRZ	SNRS / SNRZ	405-445	325
SLO	1x46	268	30	NRS / NRZ	SNRS / SNRZ	435-480	355
SLU	1x46	184	30K	NRS / NRZ	- / -	180-230 / -	110 / -
SLU	1x46	268	30K	NRS / NRZ	SNRS / SNRZ	225-265	145
SLU	1x46	268	30	NRS / NRZ	SNRS / SNRZ	250-320	170

Versions according to TE-3030, weight of air suspension components approx. 90 kg (depending on version).

Air suspension SLO (single leaf spring)

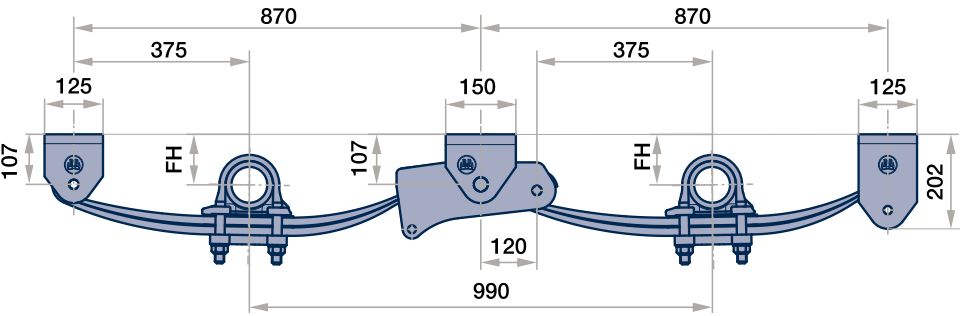


Air suspension SLU (single leaf spring)



BPW leaf-spring units – ECO Cargo VB.

Type	Axle load (kg)	Wheel base (mm)	Leaf spring width (mm)	Leaf spring thickness (mm)	Suspension type	Ride height (FH)	
						loaded (mm)	unloaded (mm)
VB 	5.500	990	80	2x18	Single axle suspension	254	275
					Tandem axle suspension	256	277
VBT 					Single axle suspension	81	102
					Tandem axle suspension	83	104



Further versions on request.

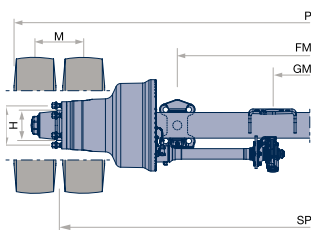
Standard series rigid axles up to 5.500 kg.

Axle type	permissible axle load up to 105 km/h (kg)	Brake	Track width (SP) (mm)	Spring centre (FM) (mm)	Brake chamber bracket centre (GM) (mm)	Axle cross section (mm)	Wheel connection		ET/M	Tyre size	Tyre example	Total construction width (P) (mm)	Axle weight ¹⁾ (kg)
							Wheel studs	Ø H/K (mm)					
NRDZ 4006	4.000	SN 3010	1.870	950	302	100	6 x M14 x 1,5	119 / 155	M = 190	9"/(12") ²⁾	6 R9	2.215	256
NRDZ 4006	4.000	SN 3010	2.070	1.150	408	100	6 x M14 x 1,5	119 / 155	M = 190	9"/(12") ²⁾	6 R9	2.415	267
NRS 5506	5.500	SN 3010	1.800	1.200	354	101,6	6 x M18 x 1,5	160,8 / 205	ET 0	15"/17,5"/19,5"	235 / 75 R17,5	2.045	190
NRS 5506	5.500	SN 3010	1.900	1.300	454	101,6	6 x M18 x 1,5	160,8 / 205	ET 0	15"/17,5"/19,5"	235 / 75 R17,5	2.145	193
NRS 5506	5.500	SN 3010	2.000	1.400	554	101,6	6 x M18 x 1,5	160,8 / 205	ET 0	15"/17,5"/19,5"	235 / 75 R17,5	2.245	196
NRS 5506	5.500	SN 3010	2.100	1.500	654	101,6	6 x M18 x 1,5	160,8 / 205	ET 0	15"/17,5"/19,5"	235 / 75 R17,5	2.345	199
NRZ 5506	5.500	SN 3010	1.820	1.100	354	101,6	6 x M18 x 1,5	160,8 / 205	M = 244	15"/17,5"	205 / 80 R15	2.265	190
NRZ 5506	5.500	SN 3010	1.920	1.200	454	101,6	6 x M18 x 1,5	160,8 / 205	M = 244	15"/17,5"	205 / 80 R15	2.365	193
NRZ 5506	5.500	SN 3010	2.020	1.300	554	101,6	6 x M18 x 1,5	160,8 / 205	M = 244	15"/17,5"	205 / 80 R15	2.365	198
SNRS 5506	5.500	SB 3307	2.000	1.300	-	101,6	6 x M18 x 1,5	160,8 / 205	ET 0	17,5"/19,5"	245 / 70 R17,5	2.245	198
SNRS 5506	5.500	SB 3307	2.100	1.300	-	101,6	6 x M18 x 1,5	160,8 / 205	ET 0	17,5"/19,5"	245 / 70 R17,5	2.345	201
SNRS 5506	5.500	SB 3307	2.100	1.400	-	101,6	6 x M18 x 1,5	160,8 / 205	ET 0	17,5"/19,5"	245 / 70 R17,5	2.345	201
SNRZ 5506	5.500	SB 3307	1.720	1.000	-	101,6	6 x M18 x 1,5	160,8 / 205	M = 250	17,5"	205 / 65 R17,5	2.175	192
SNRZ 5506	5.500	SB 3307	1.920	1.200	-	101,6	6 x M18 x 1,5	160,8 / 205	M = 250	17,5"	205 / 65 R17,5	2.375	198

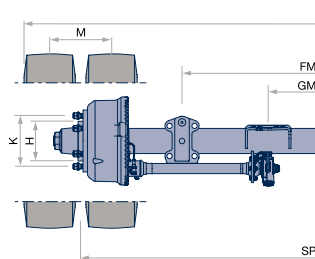
¹⁾ Weight includes spring pads; weight deviations are within the permitted DIN tolerances for respective production processes.

²⁾ Tyres: 155/70R 12, Rim: 4 1/2J x 12

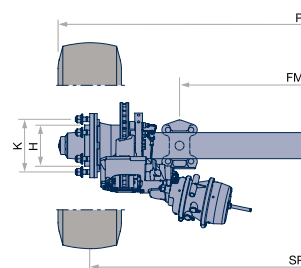
NRDZ 4006



NRZ 5506

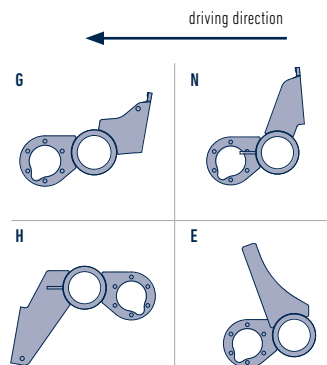


SNRS 5506



Options

With or without ABS	
Air cylinder bracket design	G/N/H/E
Axle beams with reinforced wall thickness	101,6 x 16 mm instead of 101,6 x 12 mm
Hub bearing	fordable hub
Brake cylinder	see BPW brake cylinder catalogue



Air cylinder bracket design

The brands of the BPW Group:



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www.united.de

BPW Bergische Achsen Kommanditgesellschaft

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we think transport

