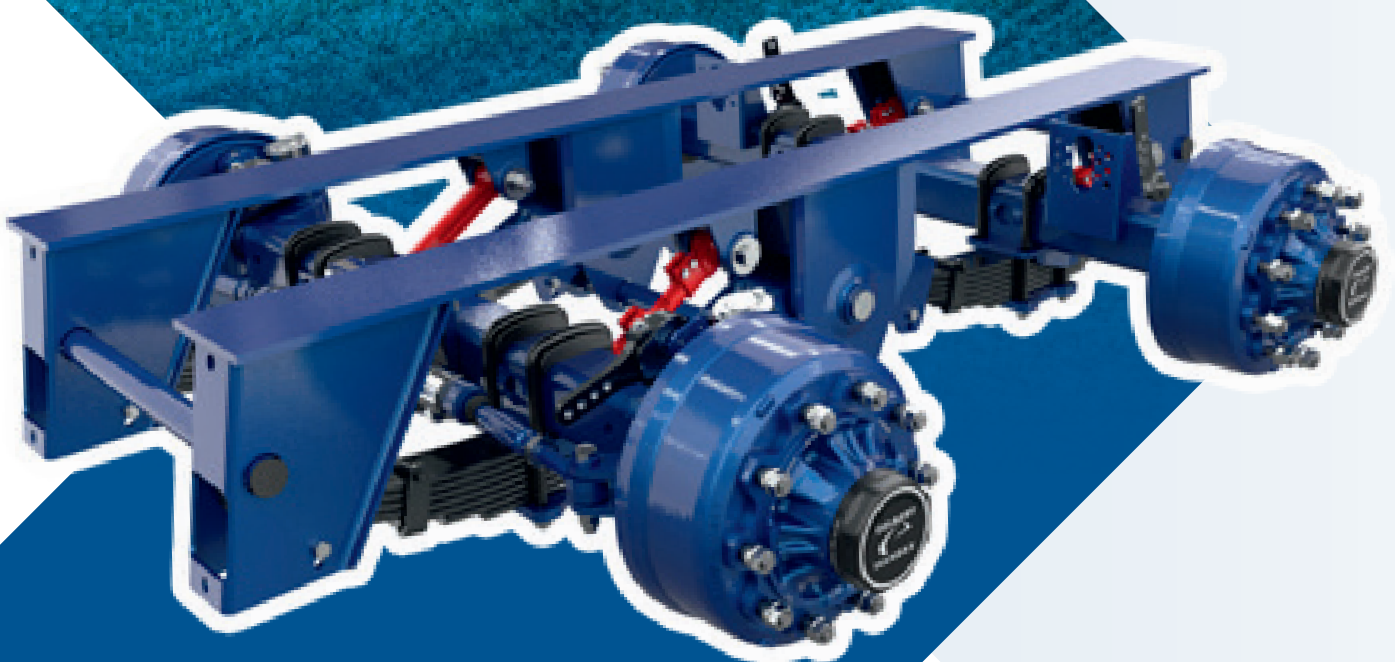




toujours un tour d'avance

SUSPENSIONS MÉCANIQUES

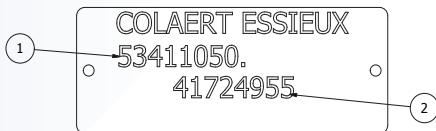
MECHANICAL SUSPENSIONS
MECHANISCHE AUFHÄNGUNGEN



• ½ TANDEM · TANDEM · TRIDEM

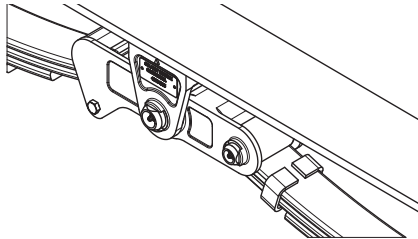
- HALF TANDEM · TANDEM · TRIDEM
- HALB-TANDEM · TANDEM · TRIDEM

Chaque train roulant (bogie, tandem, tridem...) COLAERT ESSIEUX possède une plaquette rivetée permettant son identification.
Each suspension (bogie, tandem, tridem...) produced by COLAERT ESSIEUX has a riveted plate to identify the type of mounting.



Le chiffre (1) correspond au code du train roulant. Le chiffre (2) correspond au numéro de commande.
The number (1) is the code of the suspension. The number (2) corresponds to the order number.

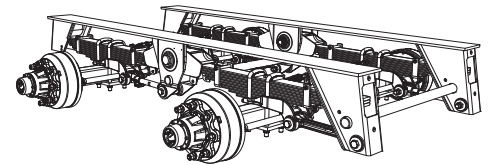
**Suspension mécanique / Mechanical suspension
TANDEM / TRIDEM :**



- La plaquette d'identification d'une suspension mécanique est rivetée sur l'un des supports de la suspension. (pour les tandem, tridem... sur le support central)

Voir ci-contre pour la signification du code

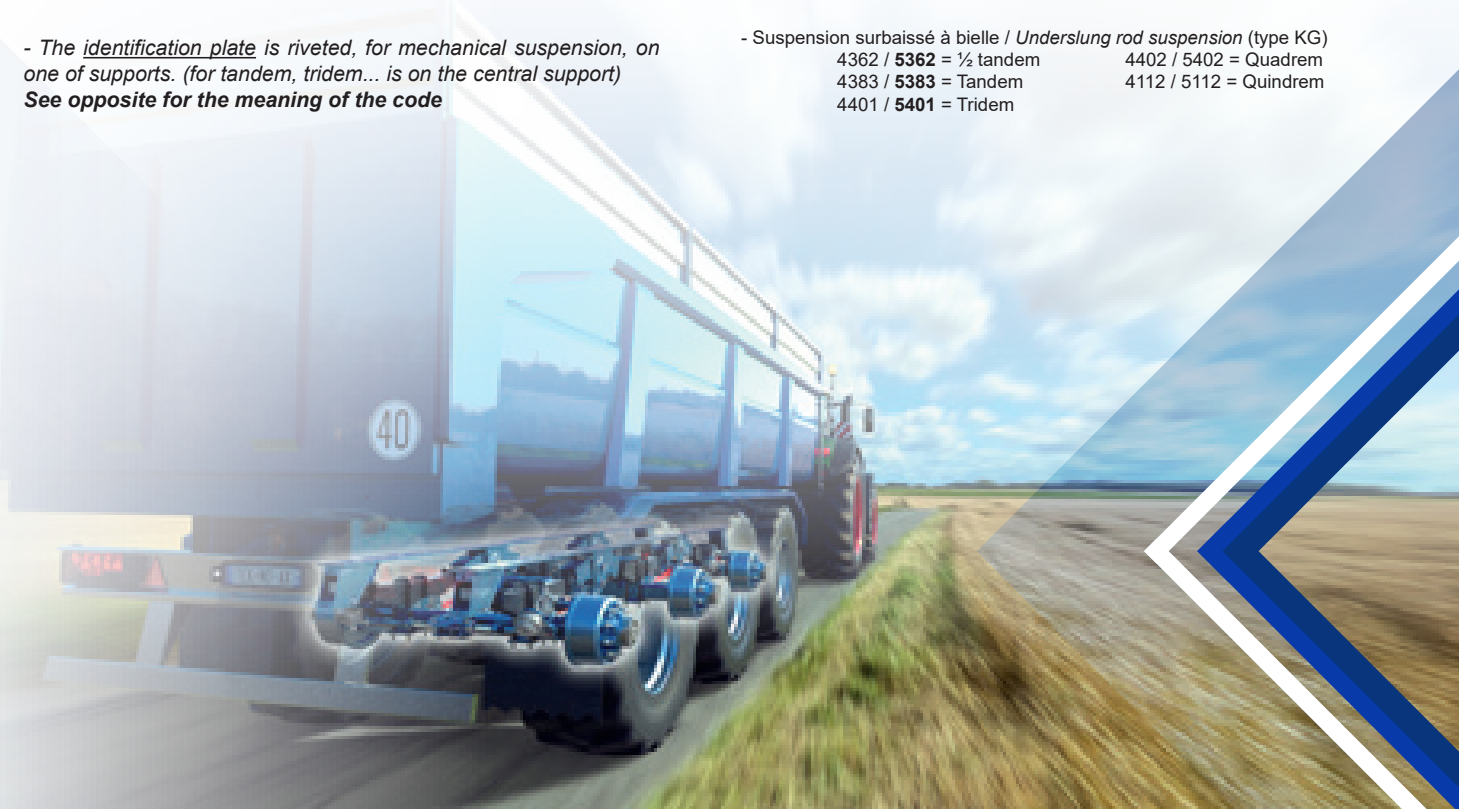
- The identification plate is riveted, for mechanical suspension, on one of supports. (for tandem, tridem... is on the central support)
See opposite for the meaning of the code



Tandem / Tridem... type code : 4323.... ou / or 5323....

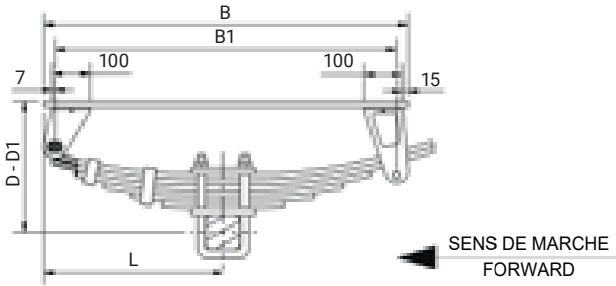
Suspensions mécaniques / Mechanical suspensions :

- Suspension simplifiée normale / Normal simplified suspension L80 (type KC)
4205 / **5205** = ½ tandem 4255 / 5255 = Tridem
4225 / **5225** = Tandem
- Suspension simplifiée surbaissée / Underslung simplified suspension L80 (type KC)
4265 / **5265** = ½ tandem 4155 / 5155 = Tridem
4285 / **5285** = Tandem
- Suspension simplifiée normale / Normal simplified suspension L100 (type KD)
4206 / **5206** = ½ tandem 4246 / 5246 = Tridem
4226 / **5226** = Tandem
- Suspension simplifiée surbaissée / Underslung simplified suspension L100 (type KD)
4266 / **5266** = ½ tandem 4306 / 5306 = Tridem
4286 / **5286** = Tandem
- Suspension normale à bielle / Normal rod suspension (type KG)
4302 / **5302** = ½ tandem 4342 / 5342 = Quadrem
4323 / **5323** = Tandem 4343 / 5343 = Quindrem
4341 / **5341** = Tridem
- Suspension surbaissée à bielle / Underslung rod suspension (type KG)
4362 / **5362** = ½ tandem 4402 / 5402 = Quadrem
4383 / **5383** = Tandem 4112 / 5112 = Quindrem
4401 / **5401** = Tridem



Type **5205** ½ TANDEM SIMPLIFIÉ - RESSORT MULTI-LAMES R80

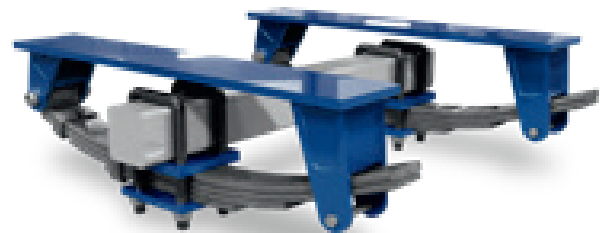
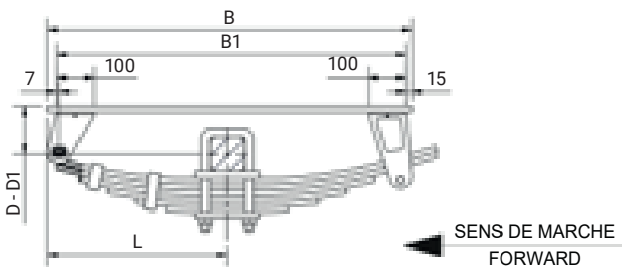
MONTAGE NORMAL / STANDARD MOUNTING / TYP STANDARD



Charge Load Belastung	Ressort Leaf spring Blattfeder		B	B1	L	□ 70		□ 80		□ 90	
						D	D1	D	D1	D	D1
kg			mm	mm	mm	mm	mm	mm	mm	mm	mm
5000	R80G403	4x13 (2 LM)	760	700	370	291	280	296	285	301	290
5000	R80G400	1x15 3x13 (2 LM)	860	800	422	292	276	297	281	302	286
6500	R80G401	5x15 (2 LM)	960	900	473	312	294	317	299	322	304
6500	R80G402	6x15 (2 LM)	1110	1050	550	327	300	332	305	337	310
7000	R80G404	6x15 (2 LM)	960	900	473	328	312	333	317	338	322

Type **5265** ½ TANDEM SIMPLIFIÉ - RESSORT MULTI-LAMES R80

MONTAGE SURBAISSÉ / UNDERSLUNG MOUNTING / TYP TIEFLADER

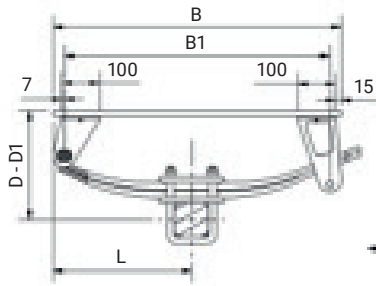


Charge Load Belastung	Ressort Leaf spring Blattfeder		B	B1	L	□ 70		□ 80		□ 90	
						D	D1	D	D1	D	D1
kg			mm	mm	mm	mm	mm	mm	mm	mm	mm
5000	R80G403	4x13 (2 LM)	760	700	370	145	134	140	129	135	124
5000	R80G400	1x15 3x13 (2 LM)	860	800	422	144	128	139	123	134	118
6500	R80G401	5x15 (2 LM)	960	900	473	144	125	139	120	134	115
6500	R80G402	6x15 (2 LM)	1110	1050	550	143	116	138	111	133	106
7000	R80G404	6x15 (2 LM)	960	900	473	144	128	139	123	134	118

B = Longueur du plat / Plate length / Plattenlänge | B1 = Entre-appuis - Spring contact distance - Kontaktabstand der Feder | L = Position de l'essieu - Axle position - Achsposition | D = Hauteur à vide - Height when empty - Betriebshöhe leer | D1 = Hauteur en charge - Height when loaded - Betriebshöhe beladen
 □ = Dimension du corps d'essieu - Axle beam dimension - Achskörper Abmessungen

Charge / Capacity / Tragkraft : **4 - 6 T**

Type **5205** ½ TANDEM SIMPLIFIÉ - RESSORT PARABOLIQUE R80
MONTAGE NORMAL / STANDARD MOUNTING / TYP STANDARD

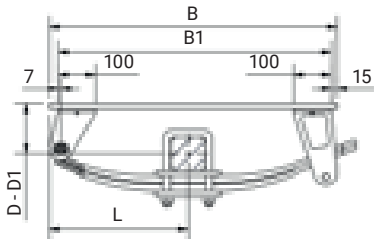


SENS DE MARCHÉ
FORWARD



Charge Load Belastung	Ressort Leaf spring Blattfeder		B	B1	L	□ 70		□ 80		□ 90	
						D	D1	D	D1	D	D1
kg			mm	mm	mm	mm	mm	mm	mm	mm	mm
4000	RP80G408	2x15/12	660	600	319	256	244	261	249	-	-
6000	RP80G403	2x20/12	760	700	365	182	169	287	274	292	279

Type **5265** ½ TANDEM SIMPLIFIÉ - RESSORT PARABOLIQUE R80
MONTAGE SURBAISSÉ / UNDERSLUNG MOUNTING / TYP TIEFLADER



SENS DE MARCHÉ
FORWARD

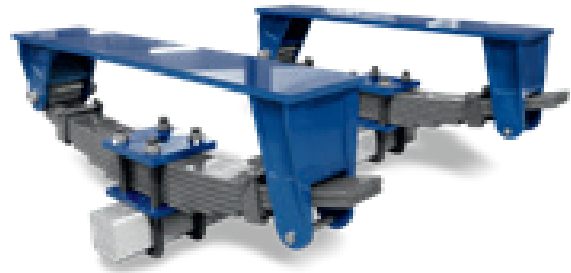
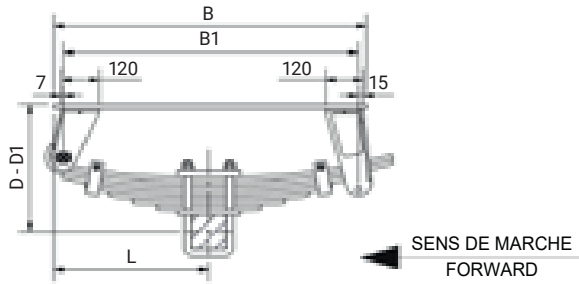


Charge Load Belastung	Ressort Leaf spring Blattfeder		B	B1	L	□ 70		□ 80		□ 90	
						D	D1	D	D1	D	D1
kg			mm	mm	mm	mm	mm	mm	mm	mm	
4000	RP80G408	2x15/12	660	600	319	130	118	125	113	-	-
6000	RP80G403	2x20/12	760	700	365	146	133	141	128	136	123

B = Longueur du plat / Plate length / Plattenlänge | B1 = Entre-appuis - Spring contact distance - Kontaktabstand der Feder | L = Position de l'essieu - Axle position - Achsposition | D = Hauteur à vide - Height when empty - Betriebshöhe leer | D1 = Hauteur en charge - Height when loaded - Betriebshöhe beladen
□ = Dimension du corps d'essieu - Axle beam dimension - Achskörper Abmessungen

Type 5206 ½ TANDEM SIMPLIFIÉ - RESSORT MULTI-LAMES R100

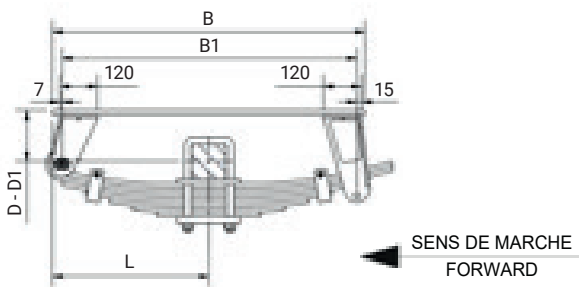
MONTAGE NORMAL / STANDARD MOUNTING / TYP STANDARD



Charge Load Belastung kg	Ressort Leaf spring Blattfeder		B mm	B1 mm	L mm	□ 90		□ 100		□ 110	
						D	D1	D	D1	D	D1
8000	R100G528	6x15 (2 LM)	910	855	450	377	365	382	370	-	-
10500	R100G918	7x15 (2 LM)	990	935	490	397	381	402	386	407	391
10500	R100G918P	7x15 (2 LM)	990	935	496	353	333	358	338	363	343
12000	R100G919	10x15 (2 LM)	990	935	491	-	-	442	426	447	431
12000	R100G919P	10x15 (2 LM)	990	935	496	-	-	402	386	407	391

Type 5266 ½ TANDEM SIMPLIFIÉ - RESSORT MULTI-LAMES R100

MONTAGE SURBAISSÉ / UNDERSLUNG MOUNTING / TYP TIEFLADER

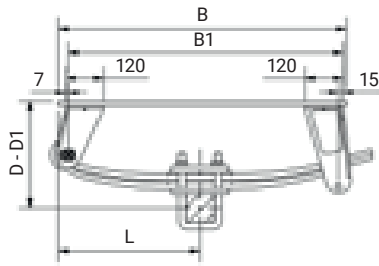


Charge Load Belastung kg	Ressort Leaf spring Blattfeder		B mm	B1 mm	L mm	□ 90		□ 100		□ 110	
						D	D1	D	D1	D	D1
8000	R100G528	6x15 (2 LM)	910	855	450	167	155	162	150	-	-
10500	R100G918	7x15 (2 LM)	990	935	490	167	147	162	142	157	137
10500	R100G918P	7x15 (2 LM)	990	935	496	128	108	123	103	118	98
12000	R100G919	10x15 (2 LM)	990	935	491	-	-	162	146	157	141
12000	R100G919P	10x15 (2 LM)	990	935	496	-	-	123	106	118	101

B = Longueur du plat / Plate length / Plattenlänge | B1 = Entre-appuis - Spring contact distance - Kontaktabstand der Feder | L = Position de l'essieu - Axle position - Achsposition | D = Hauteur à vide - Height when empty - Betriebshöhe leer | D1 = Hauteur en charge - Height when loaded - Betriebshöhe beladen
 □ = Dimension du corps d'essieu - Axle beam dimension - Achskörper Abmessungen

Charge / Capacity / Tragkraft : **10 - 10.5 T**

Type **5206** ½ TANDEM SIMPLIFIÉ - RESSORT PARABOLIQUE R100
MONTAGE NORMAL / STANDARD MOUNTING / TYP STANDARD

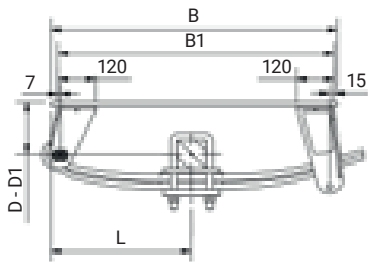


SENS DE MARCHÉ
FORWARD



Charge Load Belastung	Ressort Leaf spring Blattfeder		B	B1	L	□ 90		□ 100		□ 110	
						D	D1	D	D1	D	D1
kg			mm	mm	mm	mm	mm	mm	mm	mm	mm
10000	RP100G114	2x24/15	910	855	447	337	314	342	319	347	324
10500	RP100G116	2x28/14	990	935	484	360	341	365	346	370	351

Type **5266** ½ TANDEM SIMPLIFIÉ - RESSORT PARABOLIQUE R100
MONTAGE SURBAISSÉ / UNDERSLUNG MOUNTING / TYP TIEFLADER



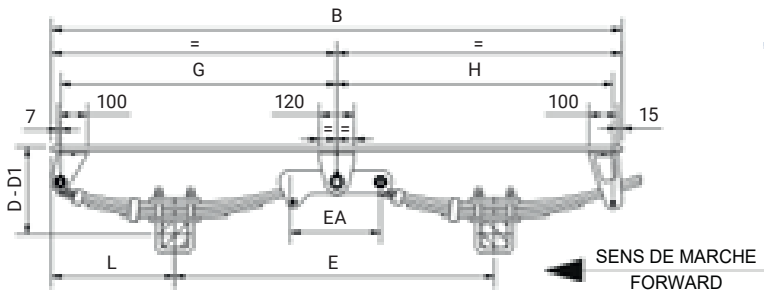
SENS DE MARCHÉ
FORWARD



Charge Load Belastung	Ressort Leaf spring Blattfeder		B	B1	L	□ 90		□ 100		□ 110	
						D	D1	D	D1	D	D1
kg			mm	mm	mm	mm	mm	mm	mm	mm	
10000	RP100G114	2x24/15	910	855	447	166	145	161	140	156	135
10500	RP100G116	2x28/14	990	935	484	182	163	177	158	172	153

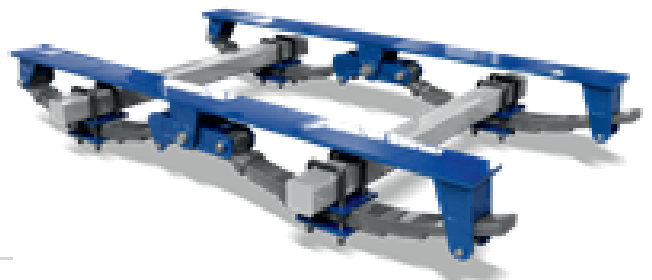
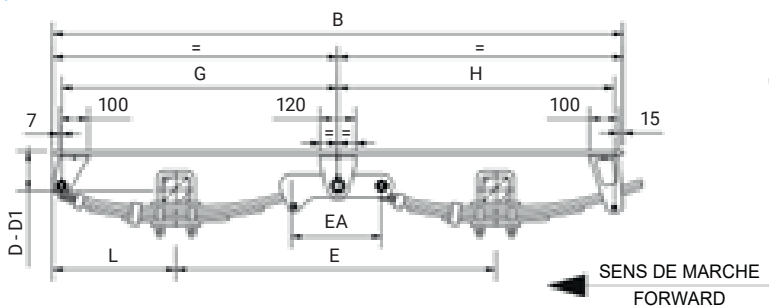
B = Longueur du plat / Plate length / Plattenlänge | B1 = Entre-appuis - Spring contact distance - Kontaktabstand der Feder | L = Position de l'essieu - Axle position - Achsposition | D = Hauteur à vide - Height when empty - Betriebshöhe leer | D1 = Hauteur en charge - Height when loaded - Betriebshöhe beladen
□ = Dimension du corps d'essieu - Axle beam dimension - Achskörper Abmessungen

Type **5225** TANDEM SIMPLIFIE - RESSORT MULTI-LAMES R80 MONTAGE NORMAL / STANDARD MOUNTING / TYP STANDARD



Charge Load Belastung	E	Ressort Leaf spring Blattfeder		EA	B	G	H	L	□ 70		□ 80		□ 90	
									D	D1	D	D1	D	D1
kg	mm			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
10000	1000	R80G403	4x13 (2 LM)	310	1760	850	850	370	291	277	296	282	301	287
10000	1100	R80G400	1x15.3x13 (2 LM)	310	1960	950	950	425	292	274	297	279	302	284
13000	1200	R80G401	5x15 (2 LM)	310	2160	1050	1050	475	313	291	318	296	323	301
13000	1350	R80G402	6x15 (2 LM)	310	2460	1200	1200	550	327	298	332	303	337	308
14000	1200	R80G404	6x15 (2 LM)	310	2160	1050	1050	475	328	309	333	314	338	319

Type **5285** TANDEM SIMPLIFIE - RESSORT MULTI-LAMES R80 MONTAGE SURBAISSÉ / UNDERSLUNG MOUNTING / TYP TIEFLADER

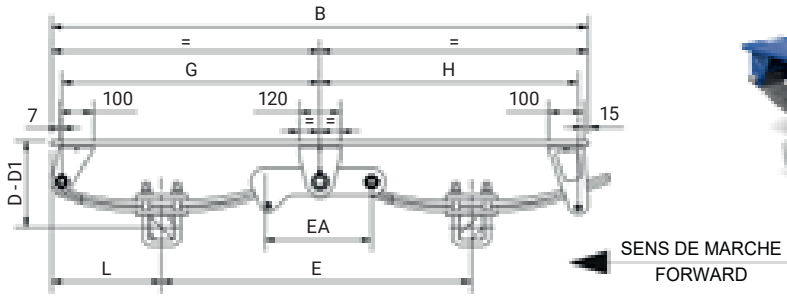


Charge Load Belastung	E	Ressort Leaf spring Blattfeder		EA	B	G	H	L	□ 70		□ 80		□ 90	
									D	D1	D	D1	D	D1
kg	mm			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
10000	1000	R80G403	4x13 (2 LM)	310	1760	850	850	370	145	131	140	126	135	121
10000	1100	R80G400	1x15.3x13 (2 LM)	310	1960	950	950	425	144	126	139	121	134	116
13000	1200	R80G401	5x15 (2 LM)	310	2160	1050	1050	475	144	122	139	117	134	112
13000	1350	R80G402	6x15 (2 LM)	310	2460	1200	1200	550	143	114	138	109	133	104
14000	1200	R80G404	6x15 (2 LM)	310	2160	1050	1050	475	144	125	139	120	134	115

E = Empattement / Wheelbase / Radstand | EA = Distance d'appuis du balancier / Rocker support length / Stützlänge des Pendels | B = Longueur du plat / Plate length / Plattenlänge | G = Distance de l'axe du ressort au centre / Distance from spring axis to center / Abstand von der Federachse zur Mitte | H = Distance d'appuis du ressort au centre / Spring contact distance length from the center / Federkontakt Abstandsänge von der Mitte | L = Position de l'essieu - Axle position - Achsposition | D = Hauteur à vide - Height when empty - Betriebshöhe leer | D1 = Hauteur en charge - Height when loaded - Betriebshöhe beladen | □ = Dimension du corps d'essieu - Axle beam dimension - Achskörper Abmessungen

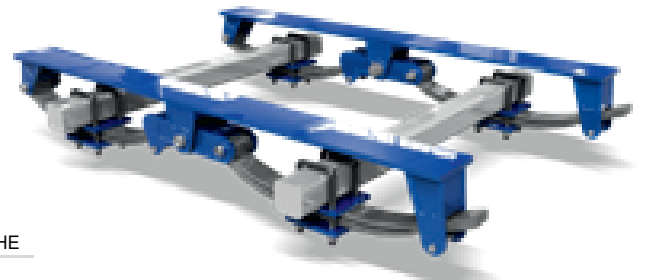
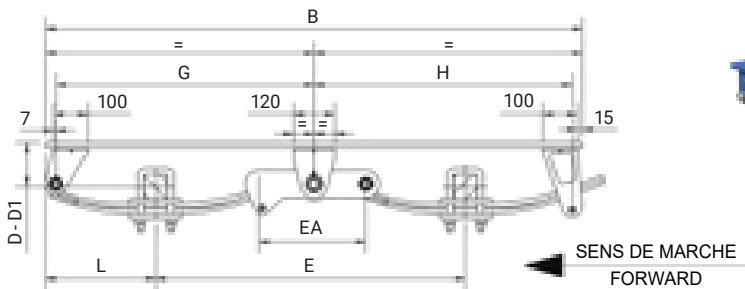
Charge / Capacity / Tragkraft : **8 - 10 T**

Type **5225** TANDEM SIMPLIFIE - RESSORT PARABOLIQUE R80
MONTAGE NORMAL / STANDARD MOUNTING / TYP STANDARD



Charge Load Belastung	E	Ressort Leaf spring Blattfeder		EA	B	G	H	L	□ 70		□ 80		□ 90	
									D	D1	D	D1	D	D1
kg	mm			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
8000	900	RP80G408	2x15/12	310	1560	750	750	320	256	241	261	246	266	251
10000	990	RP80G403	2x20/12	310	1740	840	840	370	280	266	285	271	290	276

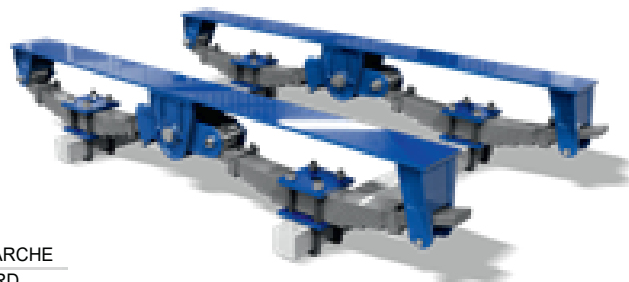
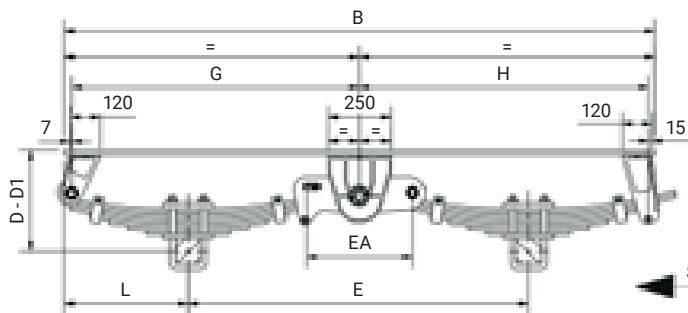
Type **5285** TANDEM SIMPLIFIE - RESSORT PARABOLIQUE R80
MONTAGE SURBAISSÉ / UNDERSLUNG MOUNTING / TYP TIEFLADER



Charge Load Belastung	E	Ressort Leaf spring Blattfeder		EA	B	G	H	L	□ 70		□ 80		□ 90	
									D	D1	D	D1	D	D1
kg	mm			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
8000	900	RP80G408	2x15/12	310	1560	750	750	320	130	115	125	110	120	105
10000	990	RP80G403	2x20/12	310	1740	840	840	370	144	130	139	125	134	120

E = Empattement / Wheelbase / Radstand | EA = Distance d'appuis du balancier / Rocker support length / Stützlänge des Pendels | B = Longueur du plat / Plate length / Plattenlänge | G = Distance de l'axe du ressort au centre / Distance from spring axis to center / Abstand von der Federachse zur Mitte | H = Distance d'appuis du ressort au centre / Spring contact distance length from the center / Federkontakt Abstandsänge von der Mitte | L = Position de l'essieu - Axle position - Achsposition | D = Hauteur à vide - Height when empty - Betriebshöhe leer | D1 = Hauteur en charge - Height when loaded - Betriebshöhe beladen | □ = Dimension du corps d'essieu - Axle beam dimension - Achskörper Abmessungen

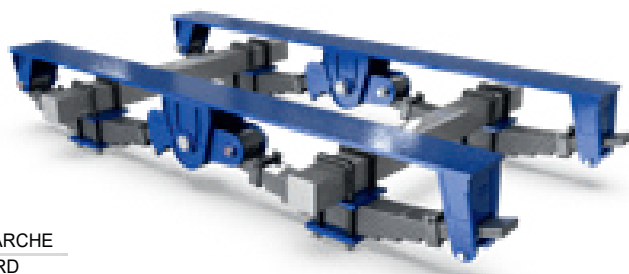
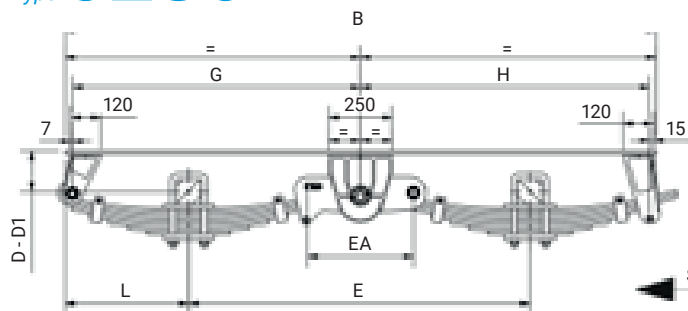
Type **5226** TANDEM SIMPLIFIE - RESSORT MULTI-LAMES R100 MONTAGE NORMAL / STANDARD MOUNTING / TYP STANDARD



SENS DE MARCHÉ
FORWARD

Charge Load Belastung	E	Ressort Leaf spring Blattfeder		EA	B	G	H	L	□ 90		□ 100		□ 110	
									D	D1	D	D1	D	D1
kg	mm			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
16000	1270	R100G528	6x15 (2 LM)	420	2180	1060	1065	450	377	365	382	370	-	-
21000	1350	R100G918	7x15 (2 LM)	420	2340	1140	1145	490	397	381	402	386	407	391
21000	1350	R100G918P	7x15 (2 LM)	420	2340	1140	1145	495	353	333	358	338	363	343
21000	1480	R100G918	7x15 (2 LM)	550	2470	1205	1210	490	397	381	402	386	407	391
21000	1480	R100G918P	7x15 (2 LM)	550	2470	1205	1210	495	353	333	358	338	363	343
24000	1350	R100G919	10x15 (2 LM)	420	2340	1140	1145	490	-	-	442	426	447	431
24000	1350	R100G919P	10x15 (2 LM)	420	2340	1140	1145	495	-	-	402	386	407	391
24000	1480	R100G919	10x15 (2 LM)	550	2470	1205	1210	490	-	-	442	426	447	431
24000	1480	R100G919P	10x15 (2 LM)	550	2470	1205	1210	495	-	-	402	386	407	391

Type **5286** TANDEM SIMPLIFIE - RESSORT MULTI-LAMES R100 MONTAGE SURBAISSÉ / UNDERSLUNG MOUNTING / TYP TIEFLADER



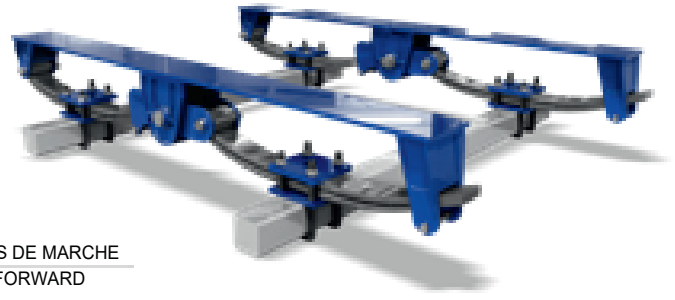
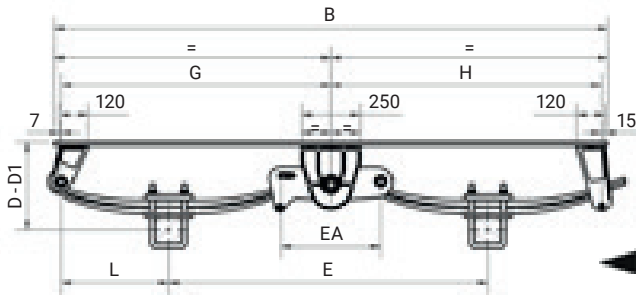
SENS DE MARCHÉ
FORWARD

Charge Load Belastung	E	Ressort Leaf spring Blattfeder		EA	B	G	H	L	□ 90		□ 100		□ 110	
									D	D1	D	D1	D	D1
kg	mm			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
16000	1270	R100G528	6x15 (2 LM)	420	2180	1060	1065	450	167	155	162	150	-	-
21000	1350	R100G918	7x15 (2 LM)	420	2340	1140	1145	490	168	146	163	141	158	136
21000	1350	R100G918P	7x15 (2 LM)	420	2340	1140	1145	495	127	106	122	101	117	96
21000	1480	R100G918	7x15 (2 LM)	550	2470	1205	1210	490	168	146	163	141	158	136
21000	1480	R100G918P	7x15 (2 LM)	550	2470	1205	1210	495	127	106	122	101	117	96
24000	1350	R100G919	10x15 (2 LM)	420	2340	1140	1145	490	-	-	165	150	160	145
24000	1350	R100G919P	10x15 (2 LM)	420	2340	1140	1145	495	-	-	125	110	120	105
24000	1480	R100G919	10x15 (2 LM)	550	2470	1205	1210	490	-	-	165	150	160	145
24000	1480	R100G919P	10x15 (2 LM)	550	2470	1205	1210	495	-	-	125	110	120	105

E = Empattement / Wheelbase / Radstand | EA = Distance d'appuis du balancier / Rocker support length / Stützlänge des Pendels | B = Longueur du plat / Plate length / Plattenlänge | G = Distance de l'axe du ressort au centre / Distance from spring axis to center / Abstand von der Federachse zur Mitte | H = Distance d'appuis du ressort au centre / Spring contact distance length from the center / Federkontakt Abstandsänge von der Mitte | L = Position de l'essieu - Axle position - Achsposition | D = Hauteur à vide - Height when empty - Betriebshöhe leer | D1 = Hauteur en charge - Height when loaded - Betriebshöhe beladen | □ = Dimension du corps d'essieu - Axle beam dimension - Achskörper Abmessungen

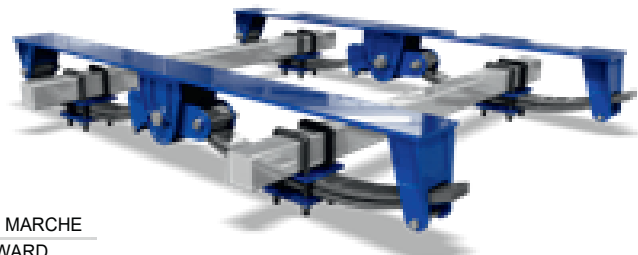
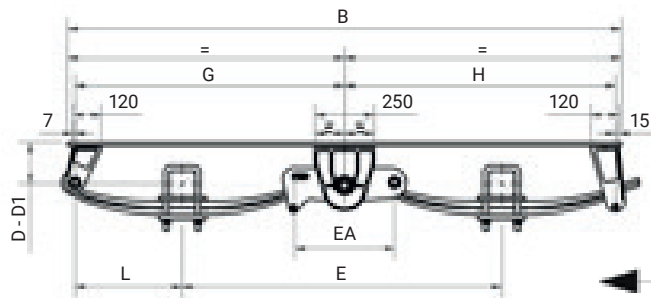
Charge / Capacity / Tragkraft : **20 - 21 T**

Type **5226** TANDEM SIMPLIFIE - RESSORT PARABOLIQUE R100
MONTAGE NORMAL / STANDARD MOUNTING / TYP STANDARD



Charge Load Belastung	E	Ressort Leaf spring Blattfeder		EA	B	G	H	L	□ 90		□ 100		□ 110	
									D	D1	D	D1	D	D1
kg	mm			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
20000	1270	RP100G114	2x24/15	420	2180	1060	1065	450	339	315	344	320	349	325
20000	1400	RP100G114	2x24/15	550	2310	1125	1130	450	339	315	344	320	349	325
21000	1350	RP100G116	2x28/15	420	2340	1140	1145	480	360	341	365	346	370	351
21000	1480	RP100G116	2x28/15	550	2470	1205	1210	480	360	341	365	346	370	351

Type **5286** TANDEM SIMPLIFIE - RESSORT PARABOLIQUE R100
MONTAGE SURBAISSÉ / UNDERSLUNG MOUNTING / TYP TIEFLADER



Charge Load Belastung	E	Ressort Leaf spring Blattfeder		EA	B	G	H	L	□ 90		□ 100		□ 110	
									D	D1	D	D1	D	D1
kg	mm			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
20000	1270	RP100G114	2x24/15	420	2180	1060	1065	450	167	143	162	138	157	133
20000	1400	RP100G114	2x24/15	550	2310	1125	1130	450	167	143	162	138	157	133
21000	1350	RP100G116	2x28/15	420	2340	1140	1145	480	184	161	179	156	174	151
21000	1480	RP100G116	2x28/15	550	2470	1205	1210	480	184	161	179	156	174	151

E = Empattement / Wheelbase / Radstand | EA = Distance d'appuis du balancier / Rocker support length / Stützlänge des Pendels | B = Longueur du plat / Plate length / Plattenlänge | G = Distance de l'axe du ressort au centre / Distance from spring axis to center / Abstand von der Federachse zur Mitte | H = Distance d'appuis du ressort au centre / Spring contact distance length from the center / Federkontakt Abstandsänge von der Mitte | L = Position de l'essieu - Axle position - Achsposition | D = Hauteur à vide - Height when empty - Betriebshöhe leer | D1 = Hauteur en charge - Height when loaded - Betriebshöhe beladen | □ = Dimension du corps d'essieu - Axle beam dimension - Achskörper Abmessungen