

Sospensioni meccaniche _ Mechanical suspensions

LE SOSPENSIONI MECCANICHE

Sono sospensioni il cui organo elastico è una balestra, operante per flessione, composta da foglie di materiale elastico. La sospensione meccanica, data la sua notevole rigidità, è particolarmente adatta a veicoli pesanti, il sistema risulta essere particolarmente leggero, facile da installare e garantisce un buon comfort di marcia anche a velocità elevate.

GAMMA SOSPENSIONI TVZ

- Sospensioni monoasse da 5 a 12 Ton.
- Sospensioni tandem da 10 a 24 Ton.
- Sospensioni tridem da 24 a 36 Ton.
- Con passi da 990 a 1525 mm.
- Con balestre da 76, 80 o 100 mm.

IMBALLO E CONTENUTO

Le sospensioni TVZ vengono fornite smontate come kit, con i sottogruppi già montati. Il contenuto del kit comprende:

- Bilanciere centrale completo, con perno di fissaggio non chiuso.
- Tiranti fissi (su sospensioni tipo 2).
- Tiranti regolabili (su sospensioni tipo 2).
- Viti di supporto balestre montate sui supporti.
- Kit per il fissaggio degli assali sulla balestra (cavallotti, dadi, piastre).
- Attacchi per tirante sugli assali.

MONTAGGIO DEGLI ASSALI

E' estremamente importante, per evitare collassi strutturali del corpo dell'assale, che le saldature dei componenti della sospensione sugli assali siano eseguite evitando le zone di massima sollecitazione. Per assicurare la massima affidabilità, durata e sicurezza di tutti i componenti del veicolo è importante che gli assali vengano installati correttamente. L'allineamento degli assali è eseguito dal costruttore del veicolo, gli assali devono risultare paralleli tra di loro e paralleli con il trattore, questo garantisce un buon controllo del veicolo e una vita maggiore dei pneumatici. Per garantire la massima efficienza frenante e durata dei freni, ed evitare rumorosità e vibrazioni anomale, le leve freno devono avere lo stesso senso di rotazione dei pneumatici. Per eventuali mal funzionamenti o danni alle sospensioni, agli assali, ai freni o ai pneumatici, derivanti dal montaggio non corretto degli assali è responsabile solo l'installatore.

MECHANICAL SUSPENSIONS

These are suspensions with an elastic part (a leaf spring), which works by flexion and is composed of elastic leaves. Since the mechanical suspension is significantly rigid, it is particularly ideal for heavy vehicles. The system is especially light, easy to install and guarantees comfort while running even at high speed.

RANGE

- Single-axle suspensions with a weight of 5 to 12 Tonnes.
- Tandem suspensions with a weight of 10 to 24 Tonnes.
- Tridem suspensions with a weight of 24 to 36 Tonnes.
- With wheel base from 990 to 525 mm.
- With leaf springs from 76, 80 or 100 mm.

PACKING AND CONTENT

The T.V.Z. suspensions are supplied not assembled as a kit, with the subgroups already assembled.

The kit content includes:

- Complete central rocker arms, with fixing pin not closed.
- Fixed torque arms (on type 2 suspensions).
- Adjustable torque arms (on type 2 suspensions).
- Screws holding the leaf springs fitted on the supports.
- Kit fixing the axles onto the leaf spring (U-bolts, nuts, plates).
- Torque arm connections to the axles.

AXLE ASSEMBLY

In order to avoid the structural collapse of the axle body, it is extremely important that the welding of the suspension components on the axles do not take place in the areas of maximum stress. The correct installation of the axles is important to ensure maximum reliability, duration and safety of all the vehicle components.

The alignment of the axles is carried out by the vehicle manufacturer. The axles must be parallel with each other and with the tractor. This guarantees good vehicle control and a longer life of the tyres.

The brake levers must rotate in the same direction as the tyres to guarantee maximum braking efficiency and duration and to avoid noise and anomalous vibrations.

In case of any failure or damage to the suspensions, axles, brakes or tyres due to an incorrect assembly of the axles, the installer bears full responsibility.

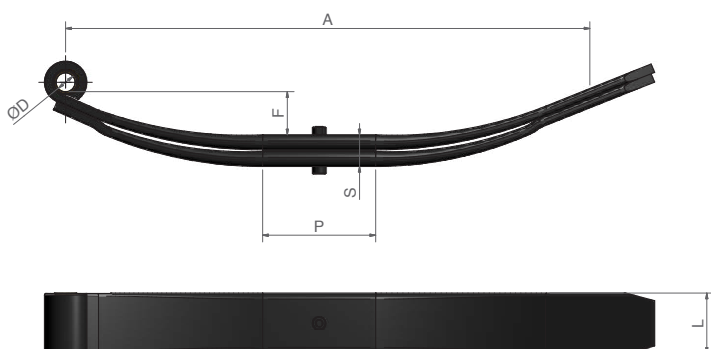


Coppie di serraggio _ Torque

TIPO DI CAVALLOTTO - VITI U Bolt - Screw type (mm)	COPPIE DI SERRAGGIO Torque (Nm)
18	230
22	450
24	500
27	600



Balestre _ Springs



CODICE Code	PORTATA Capacity (kg)	A (mm)	D (mm)	F (mm)	L (mm)	S (mm)	P (mm)	N° DI FOGLIE N° of leafs	PESO Weight (kg)
T4188V001	2500	590	25	40	80	32	150	2	13,2
T4188V002	3500	679	25	55	80	42	150	2	17,0
T4188V003	4000	884	25	55	80	52	150	2	23,4
T4181V003	5250	930	32	55	100	54	200	2	37,9

NOTE

Le altezze delle sospensioni indicate in questo catalogo, si riferiscono alle condizioni di carico nullo o pieno carico, sempre considerando il veicolo orizzontale. Qualora la sospensione non risulti essere orizzontale, potrebbero sorgere problemi di funzionamento, occorre valutare con precisione l'inclinazione del telaio del veicolo.

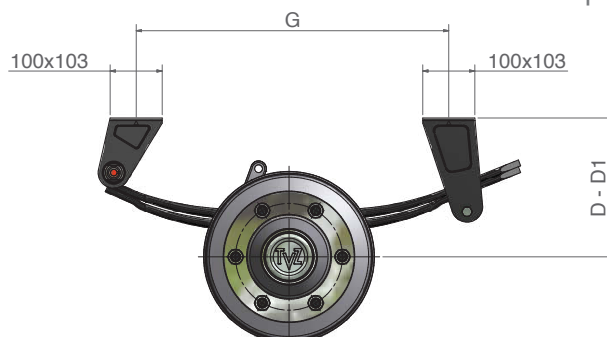
NOTE

The height of suspensions indicated in this catalogue refers to the empty or full loading condition, always taking into consideration that the vehicle is in a horizontal position. If the suspension is not in a horizontal position, operating problems could arise; it is necessary to exactly verify the vehicle frame inclination.

Sospensioni meccaniche agricole _ Agricultural mechanical suspensions

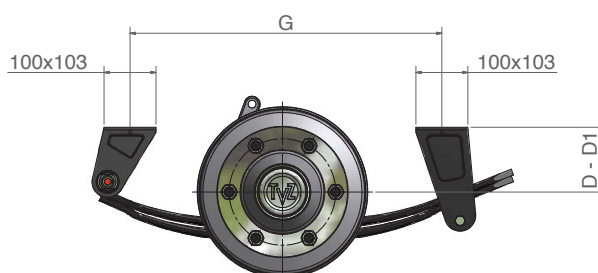
Balestra - Spring 80 mm

STANDARD



C (kg) PORTATA Capacity	G (mm)	ASSALE Axle	D (mm)	D1 (mm)	BALESTRA Spring	CODICE Code
5000	530	70	242	224	80G408 T418V001	SED05N7408
		80	247	229		SED05N8408
7000	600	70	265	252	80G403 T418V002	SED07N7403
		80	270	257		SED07N8403
		90	275	262		SED07N9403
8000	810	70	275	254	80G410 T418V003	SED08N7410
		80	280	259		SED08N8410
		90	285	264		SED08N9410

RIBASSATO / UNDERSLUNG

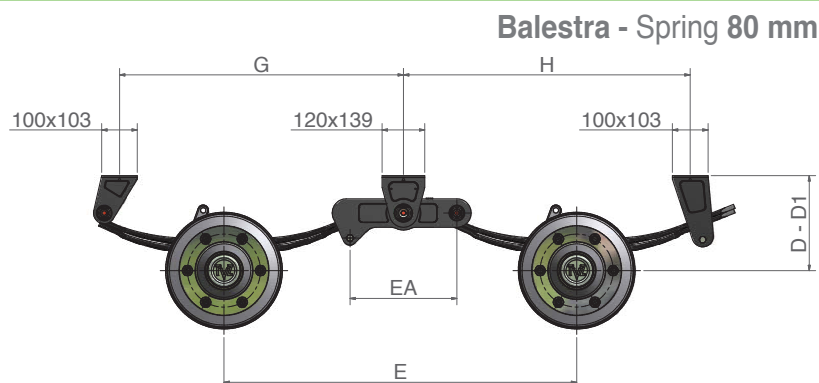
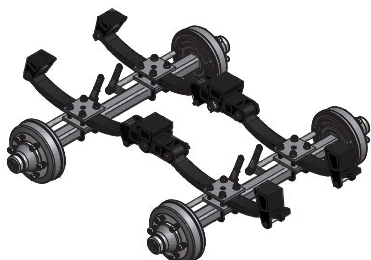


C (kg) PORTATA Capacity	G (mm)	ASSALE Axle	D (mm)	D1 (mm)	BALESTRA Spring	CODICE Code
5000	530	70	110	92	80G408 T418V001	SED05R7408
		80	105	87		SED05R8408
7000	600	70	123	110	80G403 T418V002	SED07R7403
		80	118	105		SED07R8403
		90	113	100		SED07R9403
8000	810	70	123	102	80G410 T418V003	SED08R7410
		80	118	97		SED08R8410
		90	113	92		SED08R9410

C	PORTATA DI 2 BALESTRE	CAPACITY OF 2 SPRINGS
D	ALTEZZA A VUOTO	HEIGHT WHEN EMPTY
D1	ALTEZZA SOTTO CARICO	HEIGHT WHEN LOADED

Sospensioni meccaniche agricole _ Agricultural mechanical suspensions

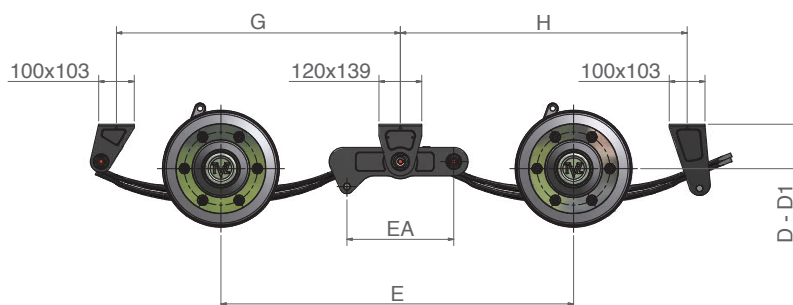
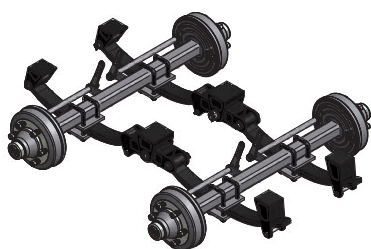
STANDARD



Balestra - Spring 80 mm

C (kg) PORTATA Capacity	E (mm)	G (mm)	H (mm)	ASSALE Axle	D (mm)	D1 (mm)	BALESTRA Spring	EA (mm)	CODICE Code
10000	910	717	725	70	242	224	80G408 T418V001	310	TED10N7408C
				80	247	229			TED10N8408C
	1060	787	795	70	242	224		470	TED10N7408L
				80	247	229			TED10N8408L
14000	990	797	805	70	265	252	80G403 T418V002	310	TED14N7403C
				80	270	257			TED14N8403C
				90	275	262			TED14N9403C
				70	265	252			TED14N7403L
	1150	877	885	80	270	257		470	TED14N8403L
				90	275	262			TED14N9403L
16000	1200	1007	1015	80	280	259	80G410 T418V003	310	TED16N8410C
				90	285	264			TED16N9410C
				100	290	269			TED16NA410C
				80	280	259			TED16N8410L
	1350	1077	1085	90	285	264		470	TED16N9410L
				100	290	269			TED16NA410L

RIBASSATO / UNDERSLUNG

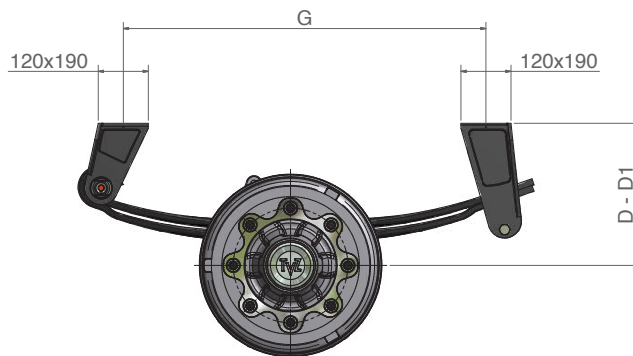


C (kg) PORTATA Capacity	E (mm)	G (mm)	H (mm)	ASSALE Axle	D (mm)	D1 (mm)	BALESTRA Spring	EA (mm)	CODICE Code
10000	910	717	725	70	110	92	80G408 T418V001	310	TED10R7408C
				80	105	87			TED10R8408C
	1060	787	795	70	110	92		470	TED10R7408L
				80	105	87			TED10R8408L
14000	990	797	805	70	123	110	80G403 T418V002	310	TED14R7403C
				80	118	105			TED14R8403C
				90	113	100			TED14R9403C
				70	123	110		470	TED14R7403L
	1150	877	885	80	118	105			TED14R8403L
				90	113	100			TED14R9403L
16000	1200	1007	1015	80	118	97	80G410 T418V003	310	TED16R8410C
				90	113	92			TED16R9410C
				100	108	87			TED16RA410C
				80	118	97		470	TED16R8410L
	1350	1077	1085	90	113	92			TED16R9410L
				100	108	87			TED16RA410L

Sospensioni meccaniche agricole _ Agricultural mechanical suspensions

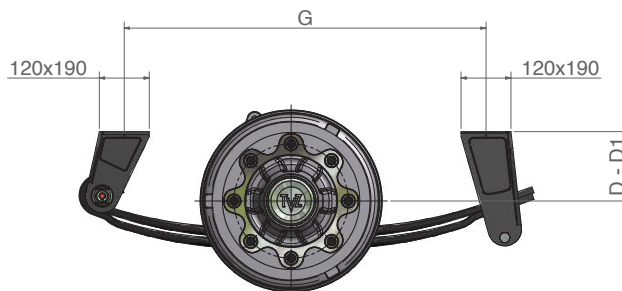
Balestra - Spring 100 mm

STANDARD



C (kg) PORTATA Capacity	G (mm)	ASSALE Axle	D (mm)	D1	BALESTRA Spring	CODICE Code
10500	870	90	341	323	100G115 T4181V003	SFE10N9115
		100	346	328		SFE10NA115
		110	351	333		SFE10NB115
		120	361	343		SFE10NC115

RIBASSATO / UNDERSLUNG



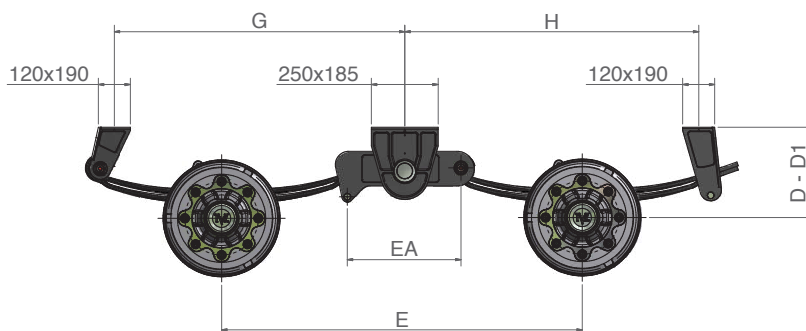
C (kg) PORTATA Capacity	G (mm)	ASSALE Axle	D (mm)	D1 (mm)	BALESTRA Spring	CODICE Code
10500	870	90	167	149	100G115 T4181V003	SFE10R9115
		100	162	144		SFE10RA115
		110	157	139		SFE10RB115
		120	147	129		SFE10RC115

C	PORTATA DI 2 BALESTRE	CAPACITY OF 2 SPRINGS
D	ALTEZZA A VUOTO	HEIGHT WHEN EMPTY
D1	ALTEZZA SOTTO CARICO	HEIGHT WHEN LOADED

Sospensioni meccaniche agricole _ Agricultural mechanical suspensions

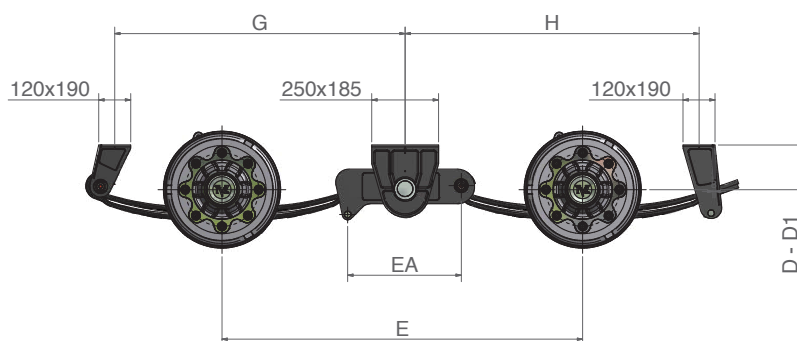
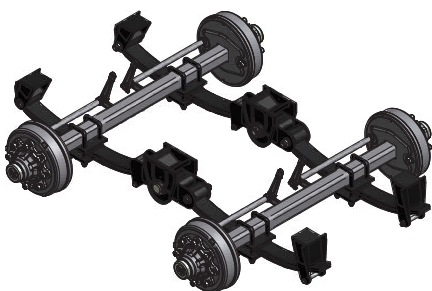
Balestra - Spring 100 mm

STANDARD



C (kg) PORTATA Capacity	E (mm)	G (mm)	H (mm)	ASSALE Axle	D (mm)	D1 (mm)	BALESTRA Spring	EA (mm)	CODICE Code
21000	1350	1087	1100	90	341	323	100G115 T4181V003	420	TFE21N9115C
				100	346	328			TFE21NA115C
				110	351	333			TFE21NB115C
				120	361	343			TFE21NC115C
	1480	1152	1165	90	341	323	100G115 T4181V003	550	TFE21N9115M
				100	346	328			TFE21NA115M
				110	351	333			TFE21NB115M
				120	361	343			TFE21NC115M
	1570	1202	1215	90	341	323	100G115 T4181V003	630	TFE21N9115L
				100	346	328			TFE21NA115L
				110	351	333			TFE21NB115L
				120	361	343			TFE21NC115L

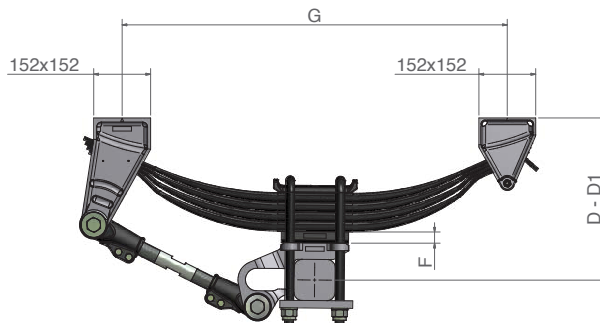
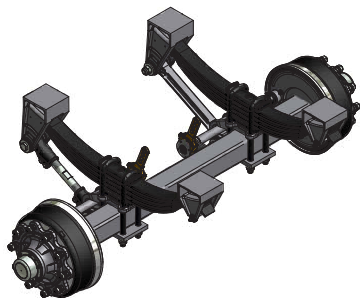
RIBASSATO / UNDERSLUNG



C (kg) PORTATA Capacity	E (mm)	G (mm)	H (mm)	ASSALE Axle	D (mm)	D1 (mm)	BALESTRA Spring	EA (mm)	CODICE Code
21000	1350	1087	1100	90	167	149	100G115 T4181V003	420	TFE21R9115C
				100	162	144			TFE21RA115C
				110	157	139			TFE21RB115C
				120	147	129			TFE21RC115C
	1480	1152	1165	90	167	149	100G115 T4181V003	550	TFE21R9115M
				100	162	144			TFE21RA115M
				110	157	139			TFE21RB115M
				120	147	129			TFE21RC115M
	1570	1202	1215	90	167	149	100G115 T4181V003	630	TFE21R9115L
				100	162	144			TFE21RA115L
				110	157	139			TFE21RB115L
				120	147	129			TFE21RC115L

Sospensioni meccaniche industriali _ Industrial mechanical suspensions

Balestra - Spring 76 mm



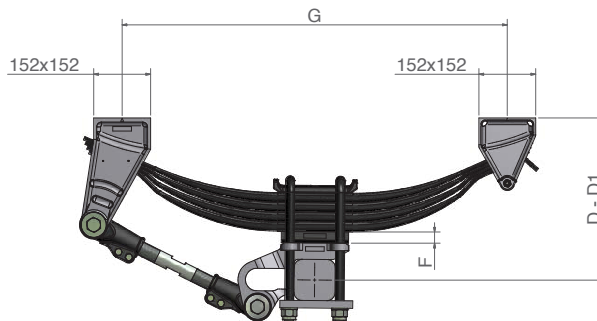
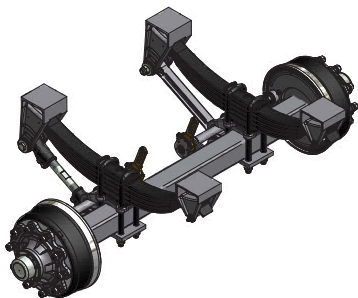
C (kg) PORTATA Capacity	G (mm)	ASSALE Axle	F (mm)	D (mm)	D1 (mm)	BALESTRA Spring	CODICE - Code
8000	825	90	0	315	280	3x23x1000	ST1E5N0932
			30	345	310		ST1E5N0935
			60	375	340		ST1E5N0938
		100	0	315	280	3x23x1000	ST1E5N1035
			30	345	310		ST1E5N1035
			60	375	340		ST1E5N1038
		120	0	315	280	3x23x1000	ST1E5N1232
			30	345	310		ST1E5N1235
			60	375	340		ST1E5N1238
		Ø127	0	315	280	3x23x1000	ST1E5NT132
			30	345	310		ST1E5NT135
			60	375	340		ST1E5NT138
10000	990	90	0	365	315	3x25x1150	ST1E7N0937
			30	395	345		ST1E7N0940
			60	425	375		ST1E7N0943
		100	0	365	315	3x25x1150	ST1E7N1037
			30	395	345		ST1E7N1040
			60	425	375		ST1E7N1043
		110	0	365	315	3x25x1150	ST1E7N1137
			30	395	345		ST1E7N1140
			60	425	375		ST1E7N1143
		120	0	365	315	3x25x1150	ST1E7N1237
			30	395	345		ST1E7N1240
			60	425	375		ST1E7N1243
		130	0	365	315	3x25x1150	ST1E7N1337
			30	395	345		ST1E7N1340
			60	425	375		ST1E7N1343
		Ø127	0	365	315	3x25x1150	ST1E7NT137
			30	395	345		ST1E7NT140
			60	425	375		ST1E7NT143

C	PORTATA DI 2 BALESTRE	CAPACITY OF 2 SPRINGS
D	ALTEZZA A VUOTO	HEIGHT WHEN EMPTY
D1	ALTEZZA SOTTO CARICO	HEIGHT WHEN LOADED

Disponibile anche in versione ribassata.
Also available the underslung version.

Sospensioni meccaniche industriali _ Industrial mechanical suspensions

Balestra - Spring 76 mm



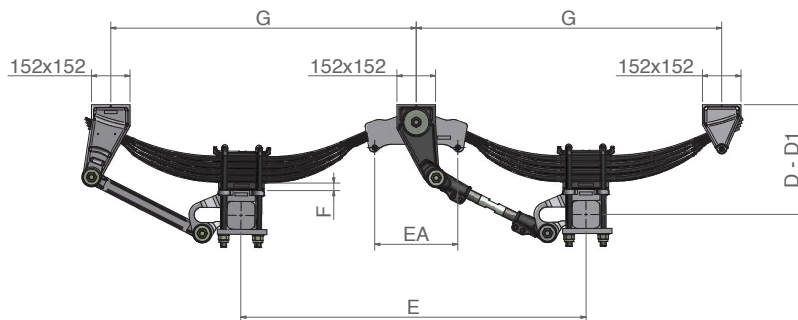
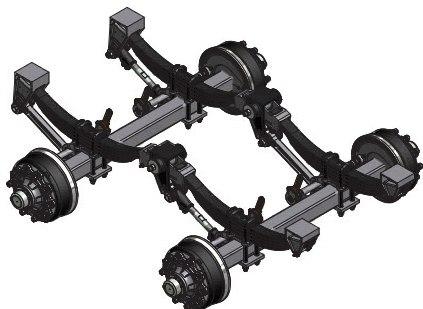
C (kg) PORTATA Capacity	G (mm)	ASSALE Axle	F (mm)	D (mm)	D1 (mm)	BALESTRA Spring	CODICE - Code
10000	1030	90	0	370	323	3X25X1197	ST1E1N0938
			30	400	353		ST1E1N0941
			60	430	383		ST1E1N0944
		100	0	370	323	3X25X1197	ST1E1N1038
			30	400	353		ST1E1N1041
			60	430	383		ST1E1N1044
		110	0	370	323	3X25X1197	ST1E1N1138
			30	400	353		ST1E1N1141
			60	430	383		ST1E1N1144
		120	0	370	323	3X25X1197	ST1E1N1238
			30	400	353		ST1E1N1241
			60	430	383		ST1E1N1244
		130	0	370	323	3X25X1197	ST1E1N1338
			30	400	353		ST1E1N1341
			60	430	383		ST1E1N1344
		Ø127	0	370	323	3X25X1197	ST1E1NT138
			30	400	353		ST1E1NT141
			60	430	383		ST1E1NT144
12000	1030	100	0	400	340	4x25x1197	ST1E4N1040
			30	430	370		ST1E4N1043
			60	460	400		ST1E4N1046
		110	0	400	340	4x25x1197	ST1E4N1140
			30	430	370		ST1E4N1143
			60	460	400		ST1E4N1146
		120	0	400	340	4x25x1197	ST1E4N1240
			30	430	370		ST1E4N1243
			60	460	400		ST1E4N1246
		130	0	400	340	4x25x1197	ST1E4N1340
			30	430	370		ST1E4N1343
			60	460	400		ST1E4N1346
		Ø127	0	400	340	4x25x1197	ST1E4NT140
			30	430	370		ST1E4NT143
			60	460	400		ST1E4NT146

C	PORTATA DI 2 BALESTRE	CAPACITY OF 2 SPRINGS
D	ALTEZZA A VUOTO	HEIGHT WHEN EMPTY
D1	ALTEZZA SOTTO CARICO	HEIGHT WHEN LOADED

Disponibile anche in versione ribassata.
Also available the underslung version.

Sospensioni meccaniche industriali _ Industrial mechanical suspensions

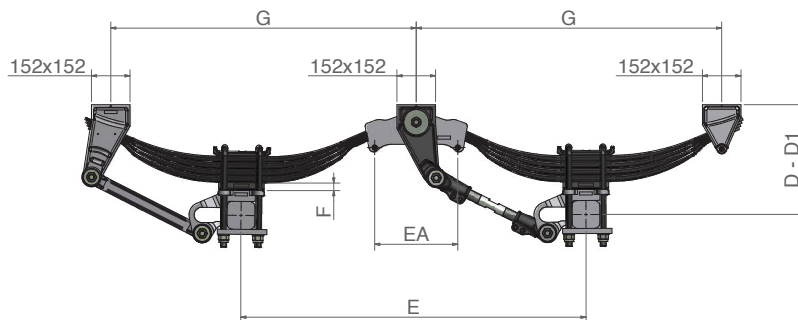
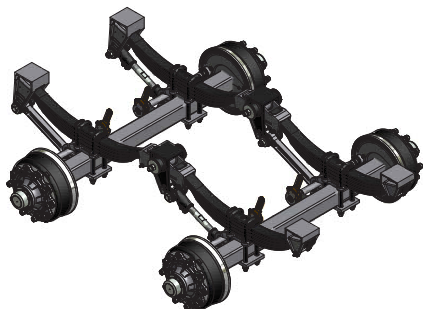
Balestra - Spring 76 mm



C (kg) PORTATA Capacity	E (mm)	G (mm)	ASSALE Axle	F (mm)	D (mm)	D1 (mm)	BALESTRA DAVANTI + DIETRO Spring front+rear	EA (mm)	CODICE - Code
16000	1145	990	90	0	315	280	3x23x1000	336	ST2E5N0932
				30	345	310			ST2E5N0935
				60	375	340			ST2E5N0938
		990	100	0	315	280	3x23x1000	336	ST2E5N1032
				30	345	310			ST2E5N1035
				60	375	340			ST2E5N1038
		990	120	0	315	280	3x23x1000	336	ST2E5N1232
				30	345	310			ST2E5N1235
				60	375	340			ST2E5N1238
		990	Ø127	0	315	280	3x23x1000	336	ST2E5NT132
				30	345	310			ST2E5NT135
				60	375	340			ST2E5NT138
	1200	1045	90	0	315	280	3x23x1000	400	ST2E6N0932
				30	345	310			ST2E6N0935
				60	375	340			ST2E6N0938
		1045	100	0	315	280	3x23x1000	400	ST2E6N1032
				30	345	310			ST2E6N1035
				60	375	340			ST2E6N1038
		1045	120	0	315	280	3x23x1000	400	ST2E6N1232
				30	345	310			ST2E6N1235
				60	375	340			ST2E6N1238
		1045	Ø127	0	315	280	3x23x1000	400	ST2E6NT132
				30	345	310			ST2E6NT135
				60	375	340			ST2E6NT138
	1310	1075	90	0	315	280	3x23x1000	490	ST2E7N0932
				30	345	310			ST2E7N0935
				60	375	340			ST2E7N0938
		1075	100	0	315	280	3x23x1000	490	ST2E7N1032
				30	345	310			ST2E7N1035
				60	375	340			ST2E7N1038
		1075	120	0	315	280	3x23x1000	490	ST2E7N1232
				30	345	310			ST2E7N1235
				60	375	340			ST2E7N1238
		1075	Ø127	0	315	280	3x23x1000	490	ST2E7NT132
				30	345	310			ST2E7NT135
				60	375	340			ST2E7NT138
20000	1310	1155	90	0	365	315	3x25x1150	336	ST2E7N0937
				30	395	345			ST2E7N0940
				60	425	375			ST2E7N0943
		1155	100	0	365	315	3x25x1150	336	ST2E7N1037
				30	395	345			ST2E7N1040
				60	425	375			ST2E7N1043
		1155	110	0	365	315	3x25x1150	336	ST2E7N1137
				30	395	345			ST2E7N1140
				60	425	375			ST2E7N1143
		1155	120	0	365	315	3x25x1150	336	ST2E7N1237
				30	395	345			ST2E7N1240
				60	425	375			ST2E7N1243
		1155	130	0	365	315	3x25x1150	336	ST2E7N1337
				30	395	345			ST2E7N1340
				60	425	375			ST2E7N1343
		1155	Ø127	0	365	315	3x25x1150	336	ST2E7NT137
				30	395	345			ST2E7NT140
				60	425	375			ST2E7NT143

Sospensioni meccaniche industriali _ Industrial mechanical suspensions

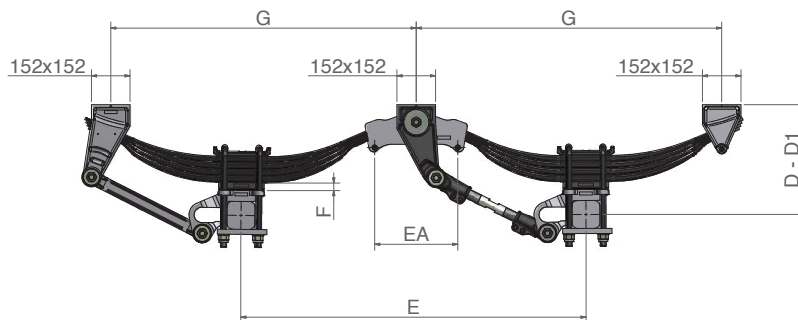
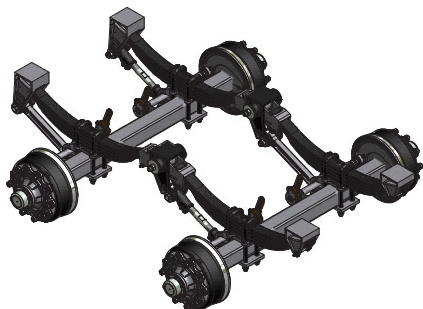
Balestra - Spring 76 mm



C (kg) PORTATA Capacity	E (mm)	G (mm)	ASSALE Axle	F (mm)	D (mm)	D1 (mm)	BALESTRA DAVANTI + DIETRO Spring front+rear	EA (mm)	CODICE - Code
20000	1360	1205	90	0	370	323	3x25x1197	336	ST2E1N0938
				30	400	353			ST2E1N0941
				60	430	383			ST2E1N0944
		1205	100	0	370	323	3x25x1197	336	ST2E1N1038
				30	400	353			ST2E1N1041
				60	430	383			ST2E1N1044
		1205	110	0	370	323	3x25x1197	336	ST2E1N1138
				30	400	353			ST2E1N1141
				60	430	383			ST2E1N1144
		1205	120	0	370	323	3x25x1197	336	ST2E1N1238
				30	400	353			ST2E1N1241
				60	430	383			ST2E1N1244
		1205	130	0	370	323	3x25x1197	336	ST2E1N1338
				30	400	353			ST2E1N1341
				60	430	383			ST2E1N1344
		1205	Ø127	0	370	323	3x25x1197	336	ST2E1NT138
				30	400	353			ST2E1NT141
				60	430	383			ST2E1NT144
	1400	1225	90	0	370	323	3x25x1197	400	ST2E8N0938
				30	400	353			ST2E8N0941
				60	430	383			ST2E8N0944
		1225	100	0	370	323	3x25x1197	400	ST2E8N1038
				30	400	353			ST2E8N1041
				60	430	383			ST2E8N1044
		1225	110	0	370	323	3x25x1197	400	ST2E8N1138
				30	400	353			ST2E8N1141
				60	430	383			ST2E8N1144
		1225	120	0	370	323	3x25x1197	400	ST2E8N1238
				30	400	353			ST2E8N1241
				60	430	383			ST2E8N1244
		1225	130	0	370	323	3x25x1197	400	ST2E8N1338
				30	400	353			ST2E8N1341
				60	430	383			ST2E8N1344
		1225	Ø127	0	370	323	3x25x1197	400	ST2E8NT138
				30	400	353			ST2E8NT141
				60	430	383			ST2E8NT144
	1525	1285	90	0	370	323	3x25x1197	490	ST2E2N0938
				30	400	353			ST2E2E0941
				60	430	383			ST2E2N0944
		1285	100	0	370	323	3x25x1197	490	ST2E2N1038
				30	400	353			ST2E2N1041
				60	430	383			ST2E2N1044
		1285	110	0	370	323	3x25x1197	490	ST2E2N1138
				30	400	353			ST2E2N1141
				60	430	383			ST2E2N1144
		1285	120	0	370	323	3x25x1197	490	ST2E2N1238
				30	400	353			ST2E2N1241
				60	430	383			ST2E2N1244
		1285	130	0	370	323	3x25x1197	490	ST2E2N1338
				30	400	353			ST2E2N1341
				60	430	383			ST2E2N1344
		1285	Ø127	0	370	323	3x25x1197	490	ST2E2NT138
				30	400	353			ST2E2NT141
				60	430	383			ST2E2NT144

Sospensioni meccaniche industriali _ Industrial mechanical suspensions

Balestra - Spring 76 mm



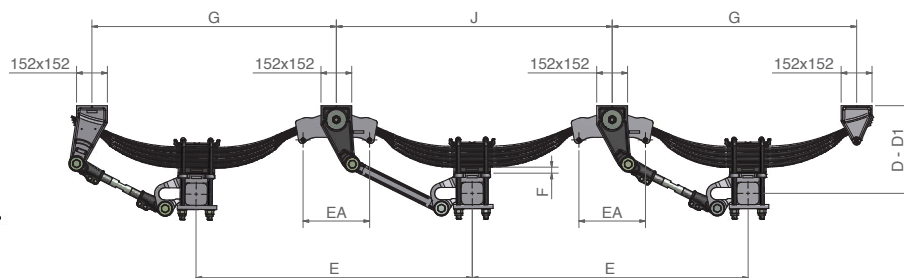
C (kg) PORTATA Capacity	E (mm)	G (mm)	ASSALE Axle	F (mm)	D (mm)	D1 (mm)	BALESTRA DAVANTI + DIETRO Spring front+rear	EA (mm)	CODICE - Code
24000	1360	1205	100	0	400	340	4x25x1197	336	ST2E4N1040
				30	430	370			ST2E4N1043
				60	460	400			ST2E4N1046
		1205	110	0	400	340	4x25x1197	336	ST2E4N1140
				30	430	370			ST2E4N1143
				60	460	400			ST2E4N1146
		1205	120	0	400	340	4x25x1197	336	ST2E4N1240
				30	430	370			ST2E4N1243
				60	460	400			ST2E4N1246
		1205	130	0	400	340	4x25x1197	336	ST2E4N1340
				30	430	370			ST2E4N1343
				60	460	400			ST2E4N1346
		1205	Ø127	0	400	340	4x25x1197	336	ST2E4NT140
				30	430	370			ST2E4NT143
				60	460	400			ST2E4NT146
	1400	1225	100	0	400	340	4x25x1197	400	ST2E9N1040
				30	430	370			ST2E9N1043
				60	460	400			ST2E9N1046
		1225	110	0	400	340	4x25x1197	400	ST2E9N1140
				30	430	370			ST2E9N1143
				60	460	400			ST2E9N1146
		1225	120	0	400	340	4x25x1197	400	ST2E9N1240
				30	430	370			ST2E9N1243
				60	460	400			ST2E9N1246
		1225	130	0	400	340	4x25x1197	400	ST2E9N1340
				30	430	370			ST2E9N1343
				60	460	400			ST2E9N1346
		1225	Ø127	0	400	340	4x25x1197	400	ST2E9NT140
				30	430	370			ST2E9NT143
				60	460	400			ST2E9NT146
	1525	1285	100	0	400	340	4x25x1197	490	ST2E5N1040
				30	430	370			ST2E5N1043
				60	460	400			ST2E5N1046
		1285	110	0	400	340	4x25x1197	490	ST2E5N1140
				30	430	370			ST2E5N1143
				60	460	400			ST2E5N1146
		1285	120	0	400	340	4x25x1197	490	ST2E5N1240
				30	430	370			ST2E5N1243
				60	460	400			ST2E5N1246
		1285	130	0	400	340	4x25x1197	490	ST2E5N1340
				30	430	370			ST2E5N1343
				60	460	400			ST2E5N1346
		1285	Ø127	0	400	340	4x25x1197	490	ST2E5NT140
				30	430	370			ST2E5NT143
				60	460	400			ST2E5NT146

C	PORTATA DI 4 BALESTRE	CAPACITY OF 4 SPRINGS
E	PASSO	WHEEL BASE
D	ALTEZZA A VUOTO	HEIGHT WHEN EMPTY
D1	ALTEZZA SOTTO CARICO	HEIGHT WHEN LOADED

Disponibile anche in versione ribassata.
Also available the underslung version.

Sospensioni meccaniche industriali _ Industrial mechanical suspensions

Balestra - Spring 76 mm



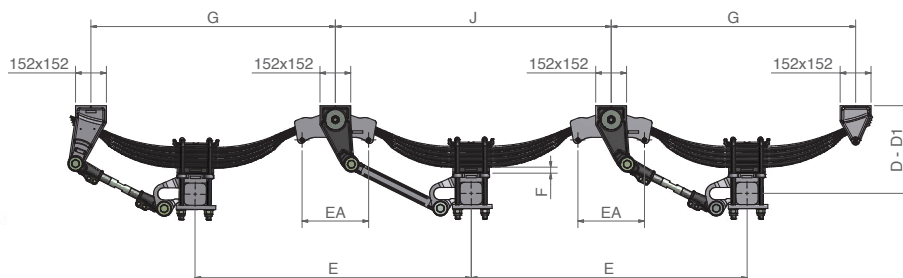
C (kg) PORTATA Capacity	E (mm)	G (mm)	J (mm)	ASSALE Axle	F (mm)	D (mm)	D1 (mm)	BALESTRA DAVANTI + DIETRO Spring front+rear	BALESTRA IN MEZZO Spring in half	EA (mm)	CODICE - Code
24000	1145	990	1145	90	0	315	280	3x23x1000	3x23x972	336	ST3E5N0932
					30	345	310				ST3E5N0935
					60	375	340				ST3E5N0938
		990	1145	100	0	315	280	3x23x1000	3x23x972	336	ST3E5N1032
					30	345	310				ST3E5N1035
					60	375	340				ST3E5N1038
		990	1145	120	0	315	280	3x23x1000	3x23x972	336	ST3E5N1232
					30	345	310				ST3E5N1235
					60	375	340				ST3E5N1238
		990	1145	Ø127	0	315	280	3x23x1000	3x23x972	336	ST3E5NT132
					30	345	310				ST3E5NT135
					60	375	340				ST3E5NT138
	1200	1045	1200	90	0	315	280	3x23x1000	3x23x972	400	ST3E6N0932
					30	345	310				ST3E6N0935
					60	375	340				ST3E6N0938
		1045	1200	100	0	315	280	3x23x1000	3x23x972	400	ST3E6N1032
					30	345	310				ST3E6N1035
					60	375	340				ST3E6N1038
		1045	1200	120	0	315	280	3x23x1000	3x23x972	400	ST3E6N1232
					30	345	310				ST3E6N1235
					60	375	340				ST3E6N1238
		1045	1200	Ø127	0	315	280	3x23x1000	3x23x972	400	ST3E6NT132
					30	345	310				ST3E6NT135
					60	375	340				ST3E6NT138
	1310	1075	1310	90	0	315	280	3x23x1000	3x23x972	490	ST3E7N0932
					30	345	310				ST3E7N0935
					60	375	340				ST3E7N0938
		1075	1310	100	0	315	280	3x23x1000	3x23x972	490	ST3E7N1032
					30	345	310				ST3E7N1035
					60	375	340				ST3E7N1038
		1075	1310	120	0	315	280	3x23x1000	3x23x972	490	ST3E7N1232
					30	345	310				ST3E7N1235
					60	375	340				ST3E7N1238
		1075	1310	Ø127	0	315	280	3x23x1000	3x23x972	490	ST3E7NT132
					30	345	310				ST3E7NT135
					60	375	340				ST3E7NT138

C	PORTATA DI 6 BALESTRE	CAPACITY OF 6 SPRINGS
E	PASSO	WHEEL BASE
D	ALTEZZA A VUOTO	HEIGHT WHEN EMPTY
D1	ALTEZZA SOTTO CARICO	HEIGHT WHEN LOADED

Disponibile anche in versione ribassata.
Also available the underslung version.

Sospensioni meccaniche industriali _ Industrial mechanical suspensions

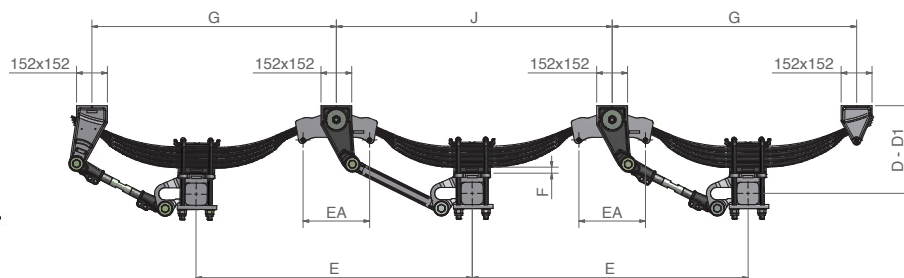
Balestra - Spring 76 mm



C (kg) PORTATA Capacity	E (mm)	G (mm)	J (mm)	ASSALE Axle	F (mm)	D (mm)	D1 (mm)	BALESTRA DAVANTI + DIETRO Spring front+rear	BALESTRA IN MEZZO Spring in half	EA (mm)	CODICE - Code
30000	1360	1205	1360	100	0	370	323	3x25x1197	3x25x1175	336	ST3E8N1038
					30	400	353				ST3E8N1041
					60	430	383				ST3E8N1044
				110	0	370	323	3x25x1197	3x25x1175	336	ST3E8N1138
					30	400	353				ST3E8N1141
					60	430	383				ST3E8N1144
		1205	1360	120	0	370	323	3x25x1197	3x25x1175	336	ST3E8N1238
					30	400	353				ST3E8N1241
					60	430	383				ST3E8N1244
				130	0	370	323	3x25x1197	3x25x1175	336	ST3E8N1338
					30	400	353				ST3E8N1341
					60	430	383				ST3E8N1344
		1205	1360	Ø127	0	370	323	3x25x1197	3x25x1175	336	ST3E8N138
					30	400	353				ST3E8N141
					60	430	383				ST3E8N144
	1400	1225	1400	100	0	370	323	3x25x1197	3x25x1175	400	ST3E3N1038
					30	400	353				ST3E3N1041
					60	430	383				ST3E3N1044
				110	0	370	323	3x25x1197	3x25x1175	400	ST3E3N1138
					30	400	353				ST3E3N1141
					60	430	383				ST3E3N1144
		1225	1400	120	0	370	323	3x25x1197	3x25x1175	400	ST3E3N1238
					30	400	353				ST3E3N1241
					60	430	383				ST3E3N1244
				130	0	370	323	3x25x1197	3x25x1175	400	ST3E3N1338
					30	400	353				ST3E3N1341
					60	430	383				ST3E3N1344
		1225	1400	Ø127	0	370	323	3x25x1197	3x25x1175	400	ST3E3NT138
					30	400	353				ST3E3NT141
					60	430	383				ST3E3NT144
	1525	1285	1525	100	0	370	323	3x25x1197	3x25x1175	490	ST3E9N1038
					30	400	353				ST3E9N1041
					60	430	383				ST3E9N1044
				110	0	370	323	3x25x1197	3x25x1175	490	ST3E9N1138
					30	400	353				ST3E9N1141
					60	430	383				ST3E9N1144
		1285	1525	120	0	370	323	3x25x1197	3x25x1175	490	ST3E9N1238
					30	400	353				ST3E9N1241
					60	430	383				ST3E9N1244
				130	0	370	323	3x25x1197	3x25x1175	490	ST3E9N1338
					30	400	353				ST3E9N1341
					60	430	383				ST3E9N1344
		1285	1525	Ø127	0	370	323	3x25x1197	3x25x1175	490	ST3E9NT138
					30	400	353				ST3E9NT141
					60	430	383				ST3E9NT144

Sospensioni meccaniche industriali _ Industrial mechanical suspensions

Balestra - Spring 76 mm

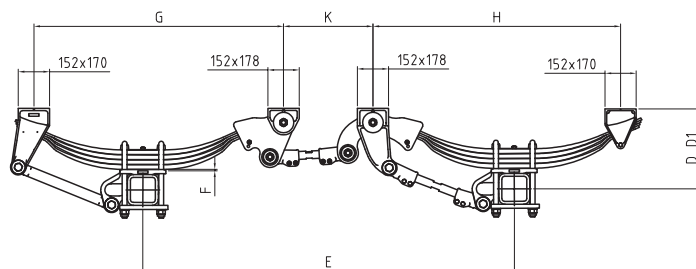


C (kg) PORTATA Capacity	E (mm)	G (mm)	J (mm)	ASSALE Axle	F (mm)	D (mm)	D1 (mm)	BALESTRA DAVANTI + DIETRO Spring front+rear	BALESTRA IN MEZZO Spring in half	EA (mm)	CODICE - Code
36000	1360	1205	1360	100	0	400	340	4x25x1197	4x25x1175	336	ST3EAN1040
					30	430	370				ST3EAN1043
					60	460	400				ST3EAN1046
				110	0	400	340	4x25x1197	4x25x1175	336	ST3EAN1140
					30	430	370				ST3EAN1143
					60	460	400				ST3EAN1146
		1205	1360	120	0	400	340	4x25x1197	4x25x1175	336	ST3EAN1240
					30	430	370				ST3EAN1243
					60	460	400				ST3EAN1246
				130	0	400	340	4x25x1197	4x25x1175	336	ST3EAN1340
					30	430	370				ST3EAN1343
					60	460	400				ST3EAN1346
		1205	1360	Ø127	0	400	340	4x25x1197	4x25x1175	336	ST3EANT140
					30	430	370				ST3EANT143
					60	460	400				ST3EANT146
	1400	1225	1400	100	0	400	340	4x25x1197	4x25x1175	400	ST3E4N1040
					30	430	370				ST3E4N1043
					60	460	400				ST3E4N1046
				110	0	400	340	4x25x1197	4x25x1175	400	ST3E4N1140
					30	430	370				ST3E4N1143
					60	460	400				ST3E4N1146
		1225	1400	120	0	400	340	4x25x1197	4x25x1175	400	ST3E4N1240
					30	430	370				ST3E4N1243
					60	460	400				ST3E4N1246
				130	0	400	340	4x25x1197	4x25x1175	400	ST3E4N1340
					30	430	370				ST3E4N1343
					60	460	400				ST3E4N1346
		1225	1400	Ø127	0	400	340	4x25x1197	4x25x1175	400	ST3E4NT140
					30	430	370				ST3E4NT143
					60	460	400				ST3E4NT146
	1525	1285	1525	100	0	400	340	4x25x1197	4x25x1175	490	ST3EBN1040
					30	430	370				ST3EBN1043
					60	460	400				ST3EBN1046
				110	0	400	340	4x25x1197	4x25x1175	490	ST3EBN1140
					30	430	370				ST3EBN1143
					60	460	400				ST3EBN1146
		1285	1525	120	0	400	340	4x25x1197	4x25x1175	490	ST3EBN1240
					30	430	370				ST3EBN1243
					60	460	400				ST3EBN1246
				130	0	400	340	4x25x1197	4x25x1175	490	ST3EBN1340
					30	430	370				ST3EBN1343
					60	460	400				ST3EBN1346
		1285	1525	Ø127	0	400	340	4x25x1197	4x25x1175	490	ST3EBNT140
					30	430	370				ST3EBNT143
					60	460	400				ST3EBNT146

Sospensioni meccaniche industriali _ Industrial mechanical suspensions

Balestra - Spring 100 mm

TANDEM



C (kg)	E (mm)	G (mm)	H (mm)	K (mm)	ASSALE Axle	F (mm)	D (mm)	D1 (mm)	BALESTRA DAVANTI + DIETRO Spring front+rear	CODICE - Code
24000	1810	1215	1205	435	110	0	395	345	4x23x1197	ST2F4N1141
						30	425	375		ST2F4N1144
						60	455	405		ST2F4N1147
		1215	1205	435	120	0	395	345	4x23x1197	ST2F4N1241
						30	425	375		ST2F4N1244
						60	455	405		ST2F4N1247
		1215	1205	435	130	0	395	345	4x23x1197	ST2F4N1341
						30	425	375		ST2F4N1344
						60	455	405		ST2F4N1347

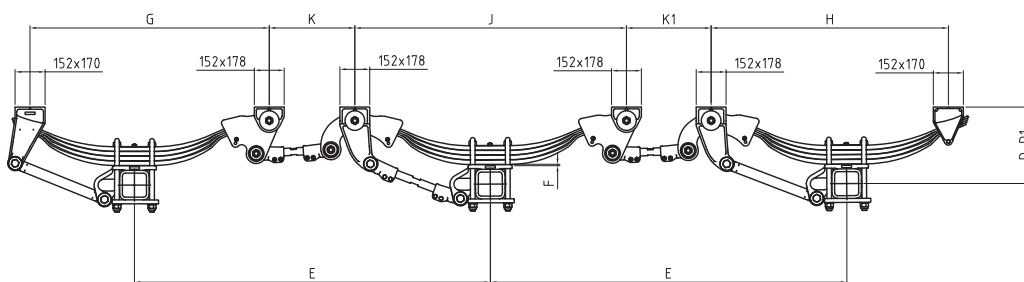
C

PORTATA DI 4 BALESTRE

CAPACITY OF 4 SPRINGS

Balestra - Spring 100 mm

TRIDEM



C (kg)	E (mm)	G (mm)	J (mm)	H (mm)	K (mm)	K1 (mm)	ASSALE Axle	F (mm)	D (mm)	D1 (mm)	BALESTRA DAVANTI + DIETRO Spring front+rear	BALESTRA IN MEZZO Spring in half	CODICE - Code
36000	1810	1215	1380	1205	435	430	110	0	395	345	4x23x1197	4x23x1175	ST3F4N1141
								30	425	375			ST3F4N1144
								60	455	405			ST3F4N1147
		1215	1380	1205	435	430	120	0	395	345	4x23x1197	4x23x1175	ST3F4N1241
								30	425	375			ST3F4N1244
								60	455	405			ST3F4N1247
		1215	1380	1205	435	430	130	0	395	345	4x23x1197	4x23x1175	ST3F4N1341
								30	425	375			ST3F4N1344
								60	455	405			ST3F4N1347

C

PORTATA DI 6 BALESTRE

CAPACITY OF 6 SPRINGS

E

PASSO

WHEEL BASE

D

ALTEZZA A VUOTO

HEIGHT WHEN EMPTY

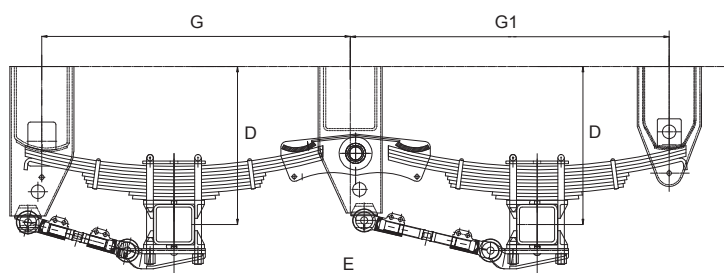
D1

ALTEZZA SOTTO CARICO

HEIGHT WHEN LOADED

Sospensioni meccaniche multifoglia _ Multileaf mechanical suspensions

TANDEM



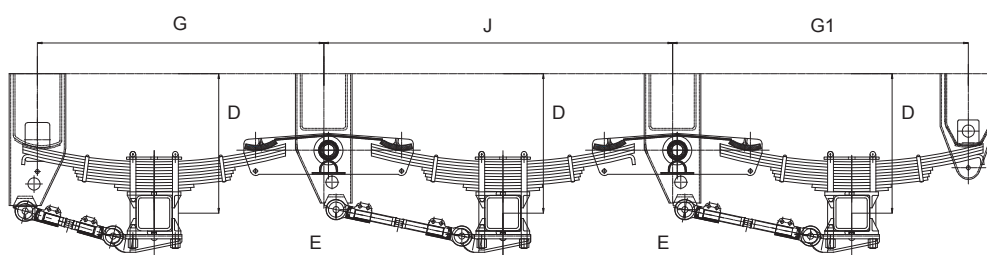
C (kg)	E (mm)	G (mm)	G1 (mm)	ASSALE Axle	D (mm)	CODICE - Code
20000	1360	1155	1195	120	320	SA2E1N200
24000	1360	1155	1195	150	335	SA2E1N240

C

PORTATA DI 4 BALESTRE

CAPACITY OF 4 SPRINGS

TRIDEM



C (kg)	E (mm)	G - G1 (mm)	J (mm)	ASSALE Axle	D (mm)	CODE
30000	1480	1215 - 1255	1480	120	320	SA3E1N300
36000	1480	1215 - 1255	1480	150	335	SA3E1N360

C

PORTATA DI 6 BALESTRE

CAPACITY OF 6 SPRINGS

E

PASSO

WHEEL BASE

D

ALTEZZA A VUOTO

HEIGHT WHEN EMPTY