



V. ORLANDI

TOWING SYSTEMS

since 1859



PACIFIC Production programme

Edition



Nel Catalogo Pacific Ed. 22 troverete, rispetto all'edizione precedente, le seguenti novità:

- | | |
|---------------------------------|----------------|
| • Gancio serie E550 PACIFIC | Rivisto |
| • Gancio serie UN 96 | Nuovo prodotto |
| • Ralla serie RV10-T | Nuovo prodotto |
| • Ralla serie RP10-P/S | Rivisto |
| • Ralla serie RP50-T/TF | Rivisto |
| • Piastre di montaggio serie MP | Nuovo prodotto |

In the Pacific Catalogue Ed. 22, compared to the previous Ed. 21.2, you will find:

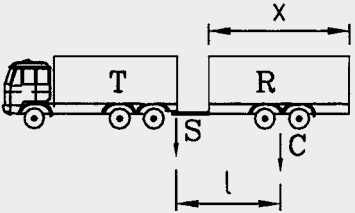
- | | |
|---------------------------------------|-------------|
| • Drawbar coupling serie E550 PACIFIC | Revised |
| • Pintle hook serie UN 96 | New Product |
| • Fifth wheel serie RV10-T | New Product |
| • Fifth wheel RP10-P/S | Revised |
| • Fifth wheel RP50-T/TF | Revised |
| • Mounting plates serie MP | New Product |

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Check for the last update

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	Occhioni Drawbar eyes	pagina page 32
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VORLANDI
SISTEMI
DISTRIBUZIONE
360°

Ganci di Traino - Drawbar couplings

INDICE - INDEX

serie series	omologazione homologation	descrizione description	per occhioni for drawbar eyes			pagina page
E 40 	CRN ECE R55-01	Ganci di traino automatici rigidi Automatic drawbar couplings	Ø 40 mm	✓	✓	6
E 520 PACIFIC 	CRN	Ganci di traino automatici rigidi Automatic drawbar couplings	Ø 50 mm	✓	✓	8
E 550 PACIFIC 	ECE R55-01	Ganci di traino automatici rigidi Automatic drawbar couplings	Ø 50 mm	✓	✓	10
E 524 PACIFIC 	CRN	Ganci di traino automatici campana snodata Tipping over-axle utomatic drawbar couplings	Ø 50 mm	✓		12
E 57 	ECE R55-01	Ganci di traino automatici rigidi Automatic drawbar couplings	Ø 57,5 mm	✓	✓	14
GA 38 	CRN	Ganci di traino automatici per veicoli leggeri Automatic couplings for light vehicles	Ø 40 mm	✓	✓	16
UN 96 	ECE R 55-01	Ganci ad uncino Hook couplings	Ø 76 T	✓	✓	18
HERCULES 	CUNA CRN	Ganci per traini eccezionali HD manual drawbar couplings	Ø 50 mm Ø 70 mm	✓		20
UN 45 UN 761 	ECE R 55-01 94/20/CE	Ganci ad uncino per veicoli leggeri Hook couplings for light vehicles	Ø 45 T Ø 76 T	✓	✓	22
GM 10 	-	Ganci di manovra Towing couplings	Ø 50 mm Ø 40 mm Ø 76 T	✓		23
DE71 	ECE R 55-01	Ganci a sfera ISO 50 Ball hitches ISO 50	B 50 Ø 76 T	✓	✓	23



E 40

Ganci automatici Automatic couplings

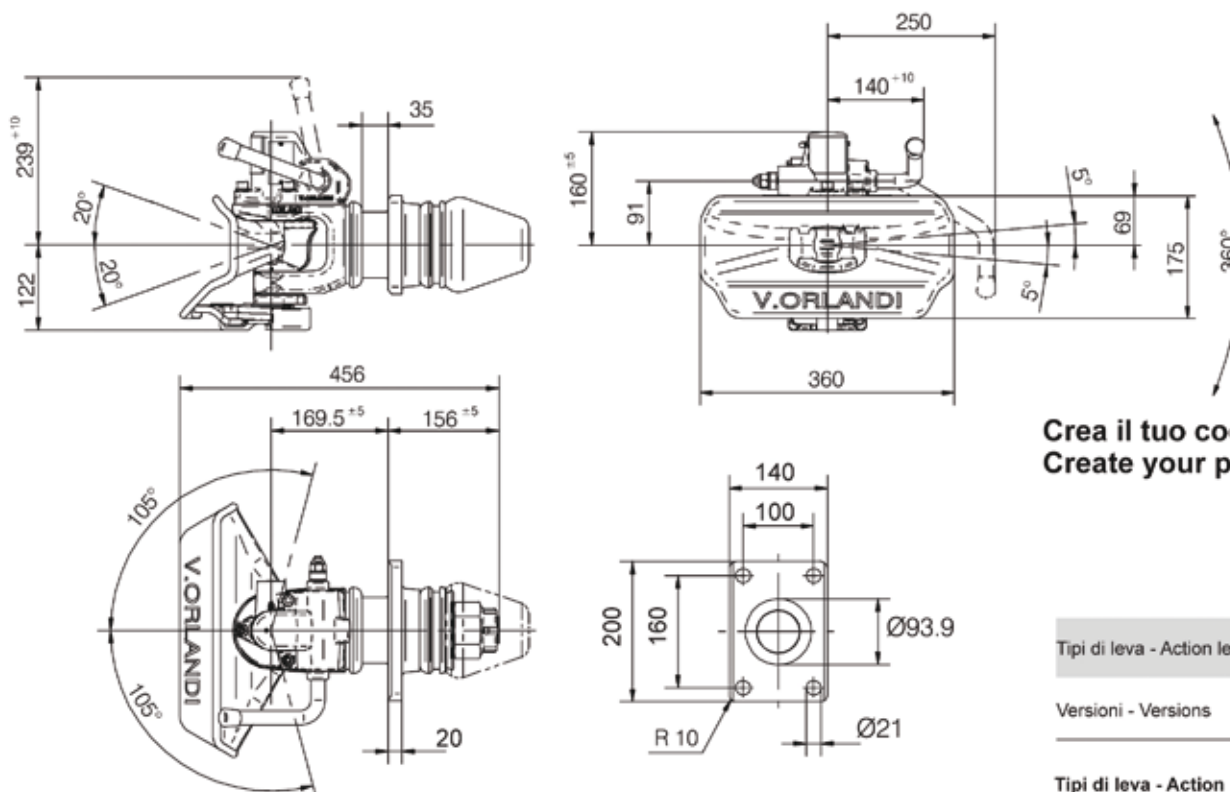
Per occhioni - For drawbar eyes

Ø
40

DIN 74054

Dati tecnici - Technical data

Codice base Standard part number	Flangia Hole pattern mm	Valore D D-Value kN	Valore Dc Dc-Value VkN	Massa S S-Load kg	Valore V V-Value kN	Peso Weight kg	CRN	ECE R55-01	
							Omologazione Homologation	Classe Class	Omologazione Homologation
GE406A0	160x100	150	100	1000	42	37,5	37724	S	E11 55R-014227



**Crea il tuo codice
Create your part number:**

GE406 X X

Tipi di leva - Action lever types

Versioni - Versions

Tipi di leva - Action lever types

A = Leva alta - Action lever upwards

B = Leva bassa - Action lever downwards

H = Leva alta - Action lever upwards

Solo per versione "9" - Only for "9" version

Versioni - Versions

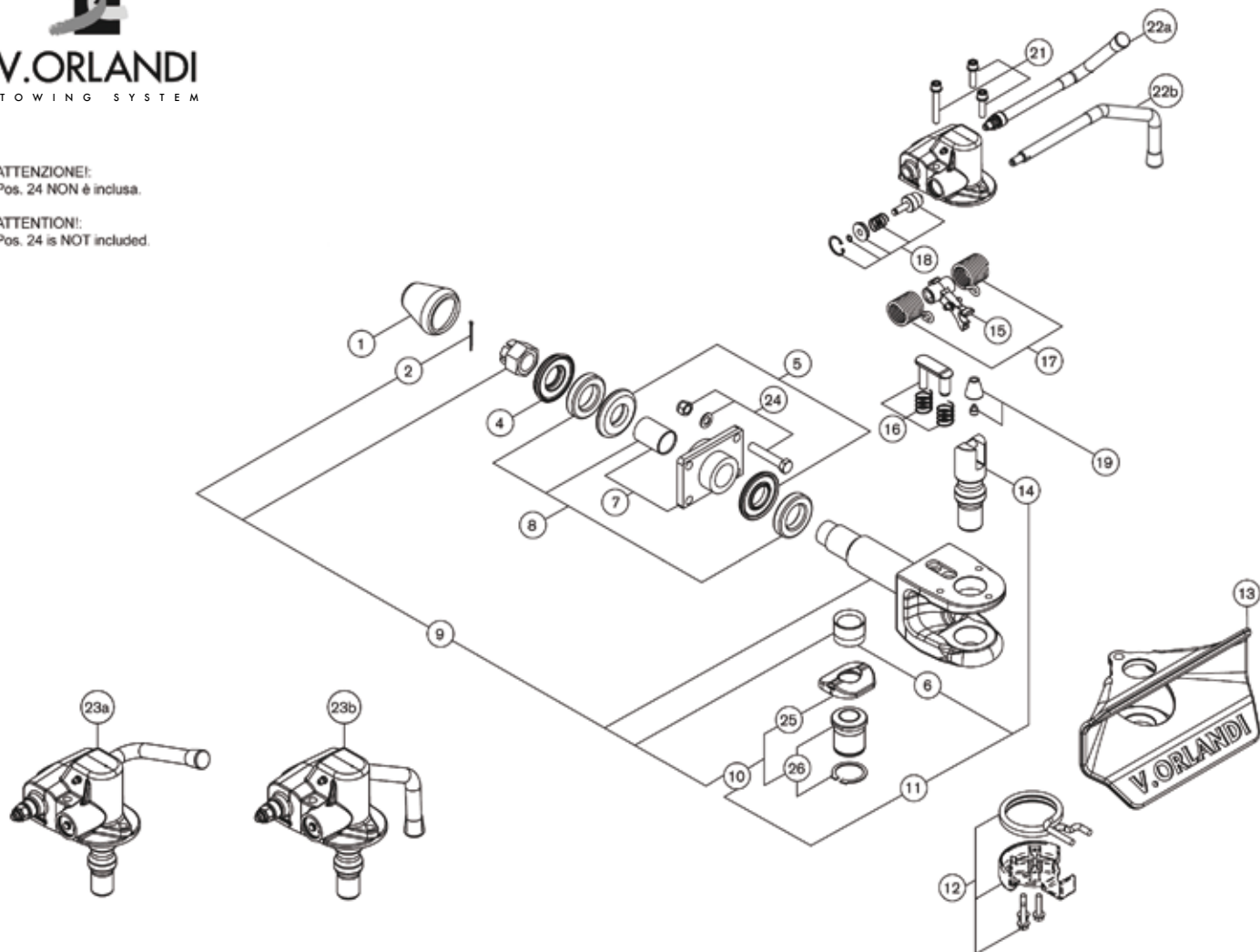
1 = Standard + CO01601

9 = Standard + CO01601 + CO02200

Tipi di leva - Action lever types		Versioni - Versions	
A	B	1	9

ATTENZIONE!
Pos. 24 NON è inclusa.

ATTENTION!
Pos. 24 is NOT included.



POS.	Tutti i tipi All types
1	RG00034
2	RG00064
4	RG00175
5	RG00189
6	RG00149
7	RG00192
8	RG00183
9	RG00494
10	RG00495
11	RG00303
12	RG00529
13	RG00304
14	RG00305
15	RG00306
16	RG00307
17	RG00308
18	RG00309
19	RG00310
21	RG00312
22a	RG00186
22b	RG00187
23a	RG00353
23b	RG00354
24	RG00132
25	RG00315
26	RG00498



E 520 PACIFIC

Ganci automatici
Automatic drawbar couplings

Per occhioni - For drawbar eyes

Ø
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94 / 20 / CE

Dati tecnici - Technical data

Codice base Standard part number	Flangia Hole pattern mm	Valore D D-Value kN	Valore Dc Dc-Value kN	Massa S S-Load kg	Valore V V-Value kN	Peso Weight kg	CRN
							Omologazione Homologation
GE520E0 GE520F0 GE520A0 GE520B0	160x100	280	140	1000	90	49	37471
				2500	75		

Crea il tuo codice
Create your part number:

GE520 X X

Tipi di leva e supporto
Action lever and wearing pad types

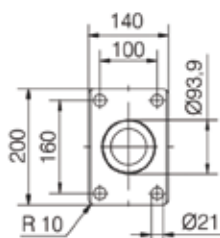
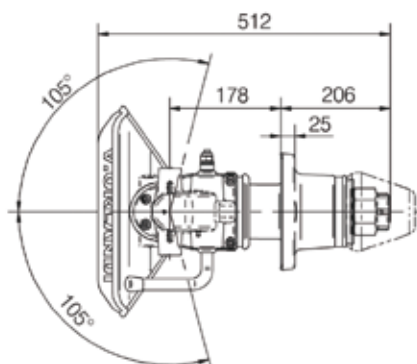
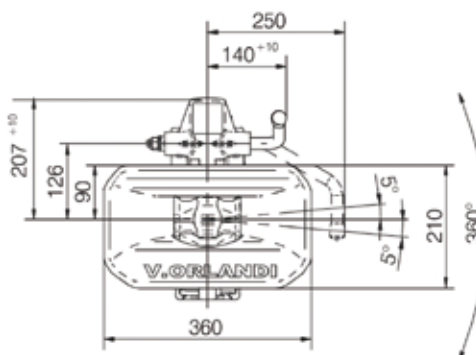
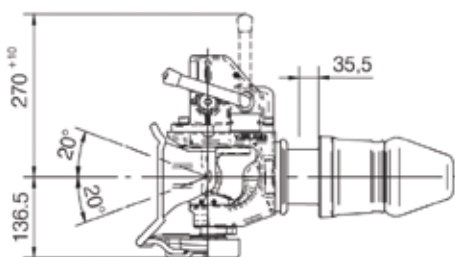
Versioni - Versions

Tipi di leva e supporto
Action lever and wearing pad types

A = Leva alta - Action lever upwards
Supporto metallico - Steel wearing pad
B = Leva bassa - Action lever downwards
Supporto metallico - Steel wearing pad
F = Leva bassa - Action lever downwards
Supporto in plastica - Plastic wearing pad
E = Leva alta - Action lever upwards
Supporto in plastica - Plastic wearing pad
H = Leva alta - Action lever upwards
Supporto metallico - Steel wearing pad
Solo per versione "9" - Only for "9" version

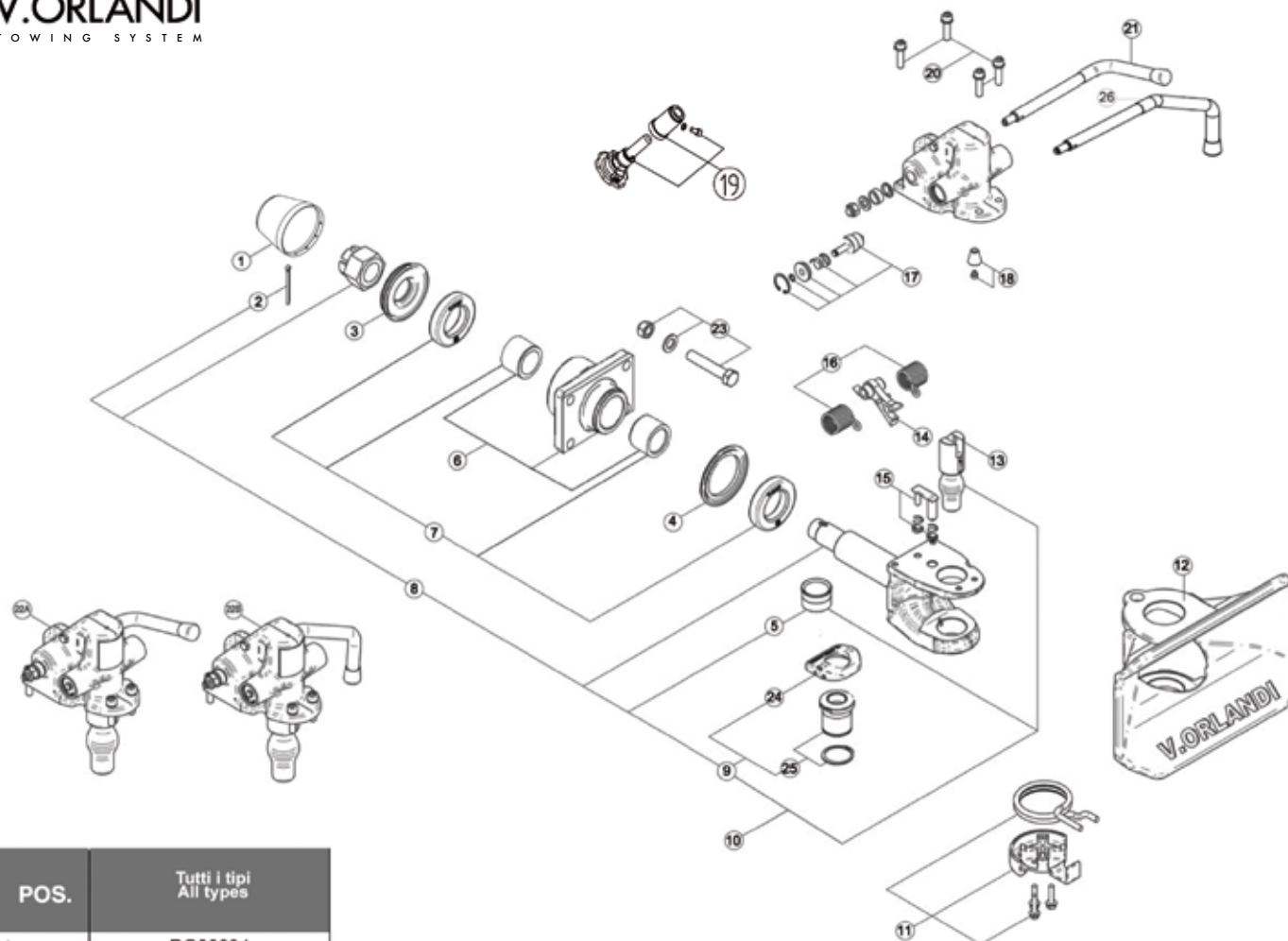
Versioni - Versions

1 = Standard + CO01601
2 = Standard + CO01601 + CO01800
7 = Standard + CO01601 + CO01400
9 = Standard + CO01601 + CO02100



1990 060 G

Tipi di leva - Action lever types		Versioni - Versions			
A/E	B/F	1	2	7	9
		 RED GREEN	 RED GREEN	 RED GREEN	 RED GREEN



POS.	Tutti i tipi All types
1	RG00034
2	RG00064
3	RG00421
4	RG00422
5	RG00088
6	RG00423
7	RG00425
8	RG00426
9M	RG00427
9P	RG00428
10	RG00429
11	RG00529
12	RG00193
13	RG00430
14	RG00188
15	RG00179
16	RG00178
17	RG00181
18	RG00091
19	RG00589
20	RG00185
21	RG00186
22A	RG00431
22B	RG00432
23	RG00132
24M	RG00269
24P	RG00270
25	RG00433
26	RG00187

ATTENZIONE!
Pos. 23 NON è inclusa.

ATTENTION!
Pos. 23 is NOT included.

M: Metallo - Metal P: Plastica - Plastic



E 550 PACIFIC

Ganci automatici con rosso sensore in cabina
Automatic drawbar couplings with in-cabin red light

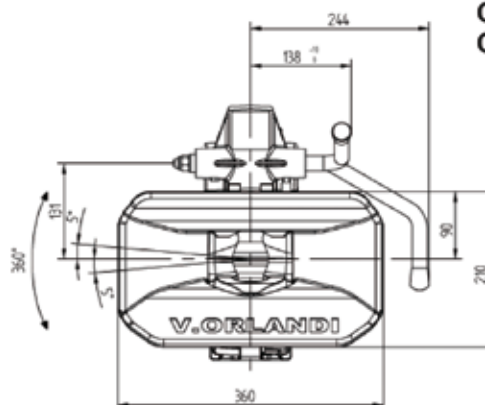
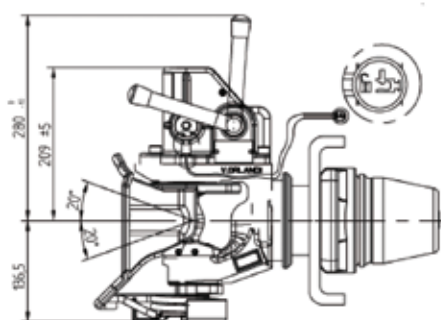
Per occhiioni - For drawbar eyes

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ECE R55-01

Dati tecnici - Technical data

Codice base Standard part number	Flangia Hole pattern mm	Valore D D-Value kN	Valore Dc Dc-Value kN	Massa S S-Load kg	Valore V V-Value kN	Peso Weight kg	Omologazione Homologation	
							Classe Class	ECE R55-01
E550A3P E550B3P E550A3M E550B3M	160x100	330	135	1000	75	41,5	C50 X	55R - 01 10490
				2500	50			



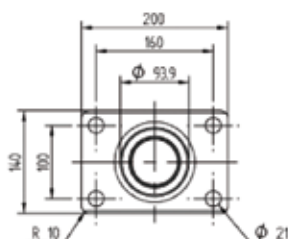
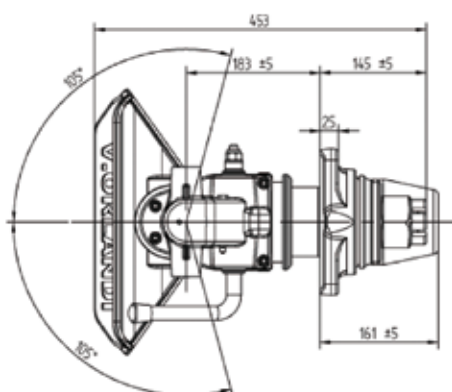
Crea il tuo codice
Create your part number:

E550 X X X

Tipi di leva - Action lever types

Versioni - Versions

Tipi di inserto - Wearing pad types



Tipi di leva - Action lever types

A = Leva alta - Action lever upwards
B = Leva bassa - Action lever downwards

Versioni - Versions

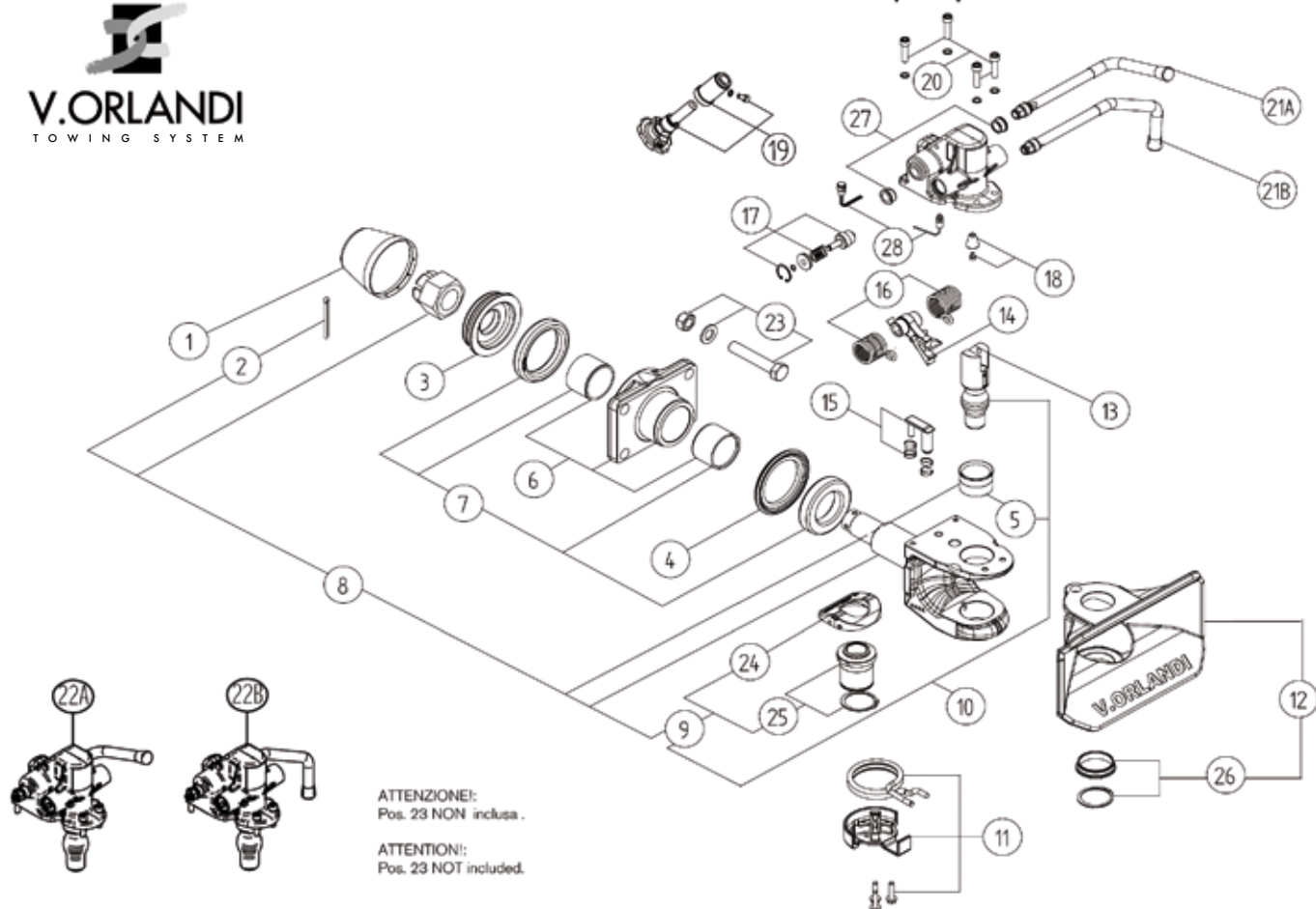
1 = Standard + CO01601
2 = Standard + CO01601 + CO01800
7 = Standard + CO01601 + CO01400
9 = Standard + CO01601 + CO02100

Tipi di inserto - Wearing pad type

M = Supporto metallico - Steel wearing pad
P = Supporto in plastica - Plastic wearing pad

1990 060 G

Tipi di leva - Action lever types		Versioni - Versions			
A	B	1	2	7	9
		 RED GREEN	 RED GREEN	 RED GREEN	 RED GREEN



POS.	Tutti i tipi All types	E550B3M	E550B3P	E550A3M	E550A3P
1	RG00603				
2	RG00064				
3	RG00622				
4	RG00422				
5	RG00604				
6	RG00605				
7	RG00606				
8 (2,5,8,9)		RG00607	RG00608	RG00607	RG00608
9		RG00609	RG00610	RG00609	RG00610
10		RG00623	RG00624	RG00623	RG00624
11	RG00529				
12	RG00587				
13	RG00612				
14	RG00188				
15	RG00179				
16	RG00178				
17	RG00181				
18	RG00091				
19	RG00589				
20	RG00185				
21A				RG00186	RG00186
21B		RG00187	RG00187		
22A				RG00615	RG00615
22B		RG00616	RG00616		
23	RG00132				
24		RG00614	RG00613	RG00614	RG00613
25	RG00611				
26	RG00585				
27	RG00586				
28	CO01603				



EH 524 PACIFIC

Ganci automatici

Tipping over-axle trailers automatic coupling

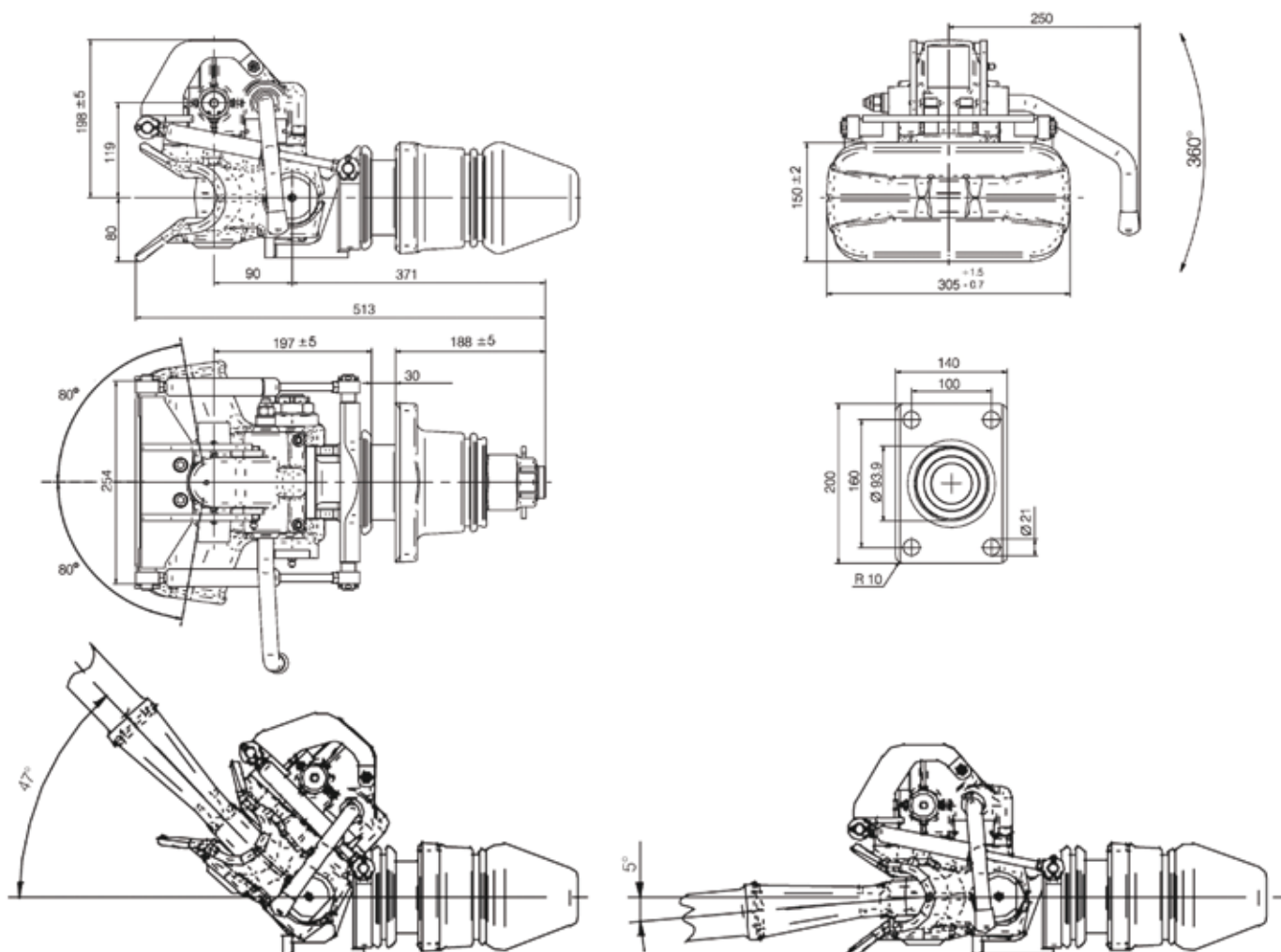
Per occhioni - For drawbar eyes

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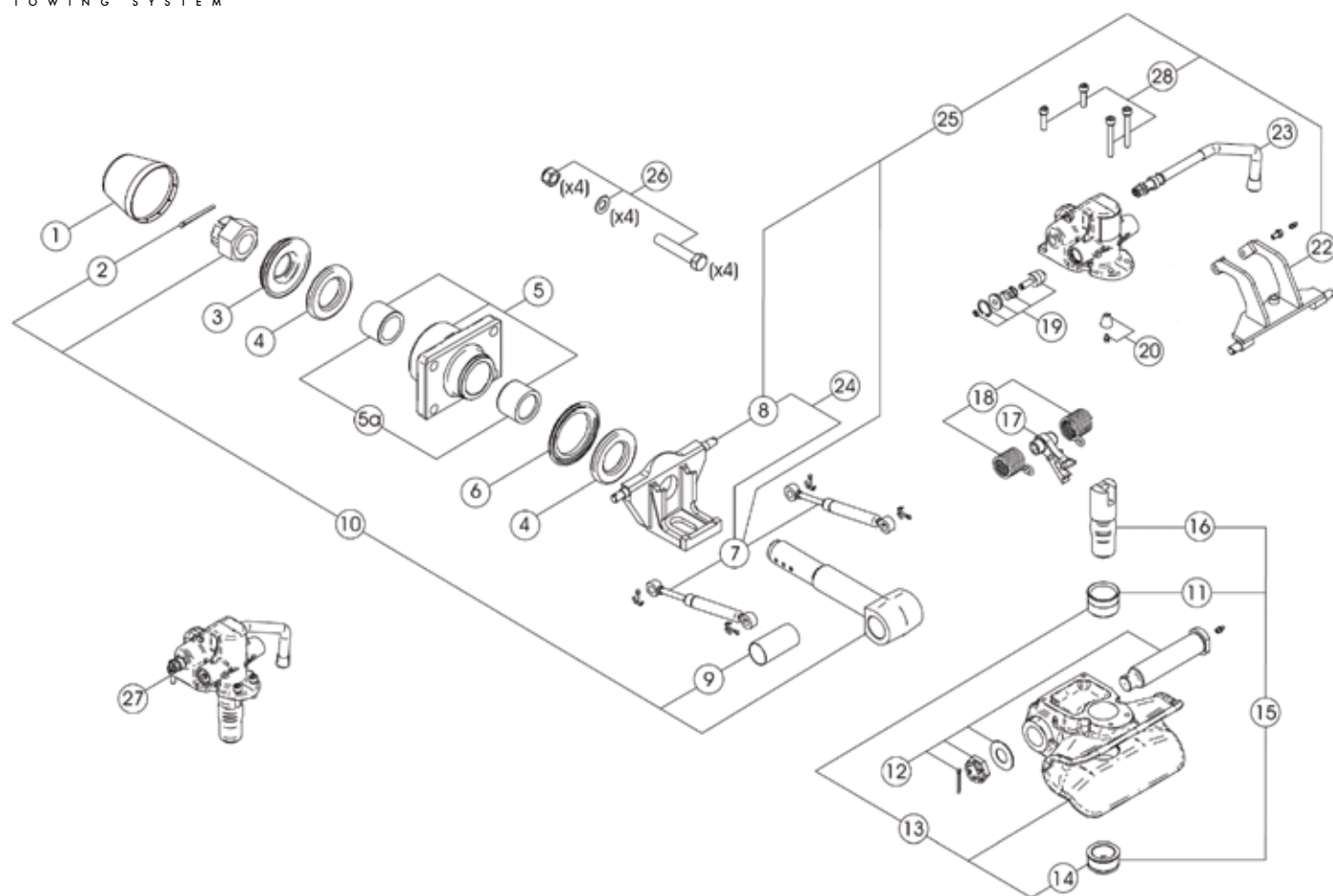
94 / 20 / CE

Dati tecnici - Technical data

Codice Part number	Flangia Hole pattern mm	Valore D D-Value kN	Peso Weight kg	Omologazione Homologation
				CRN
EH 524B0	160x100	220	52	37743



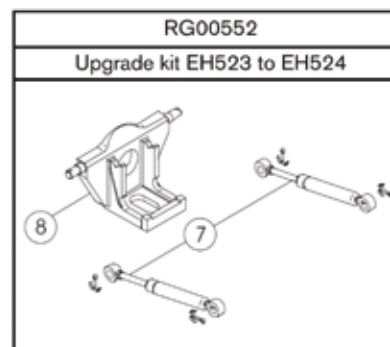
1990 470 A



POS.	Tutti i tipi All types
1	RG00034
2	RG00064
3	RG00175
4	RG00528
5	RG00434
5a	RG00435
6	RG00173
7	RG00366
8	RG00551
9	RG00526
10	RG00525
11	RG00088
12	RG00002
13	RG00243
14	RG00236
15	RG00232
16	RG00231
17	RG00298
18	RG00178
19	RG00181
20	RG00091
22	RG00367
23	RG00187
24	RG00552
25	RG00553
26	RG00132
27	RG00229
28	RG00368

ATTENZIONE!
Pos. 26 NON è inclusa.

ATTENTION!
Pos. 26 is NOT included.



1990 471 A



E 57

Ganci automatici
Automatic drawbar couplings

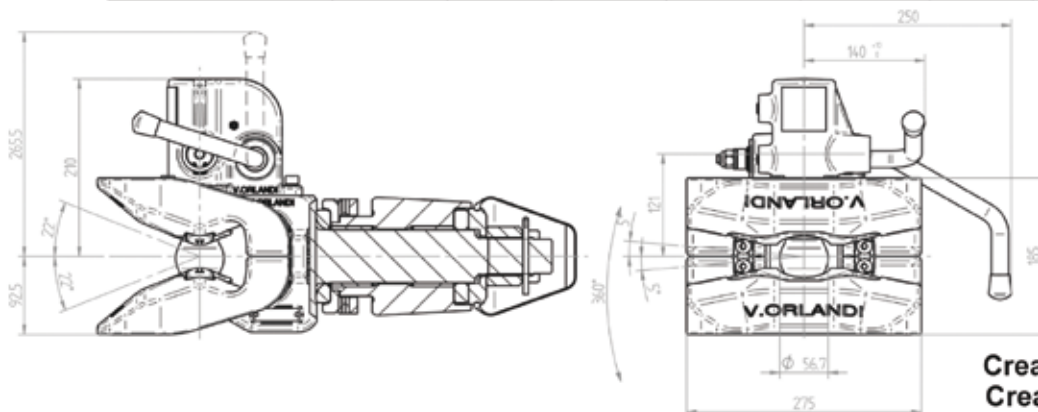
Per occhioni - For drawbar eyes

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57,5

SWEDISH STD

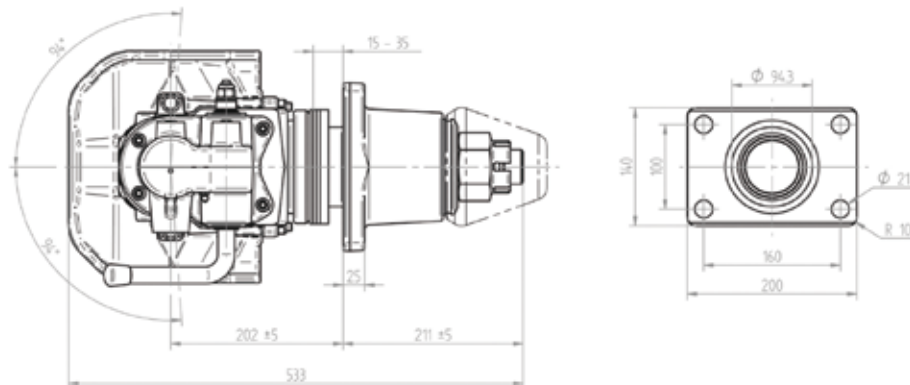
Dati tecnici - Technical data

Codice base Standard part number	Flangia Hole pattern mm	Valore D D-Value kN	Valore Dc Dc-Value kN	Massa S S-Load kg	Valore V V-Value kN	Peso Weight kg	Omologazione Homologation	
							Classe Class	ECE R55-01
GE575A0	160x100	300	145	1000	95	60	S	55R - 01 10061
				3000	60			



Crea il tuo codice
Create your part number:

GE575 X X



Tipi di leva - Action lever types

Versioni - Versions

Tipi di leva - Action lever types

A = Leva alta - Action lever upwards

B = Leva bassa - Action lever downwards

H = Leva alta - Action lever upwards

Solo per versione "9" - Only for "9" version

Versioni - Versions

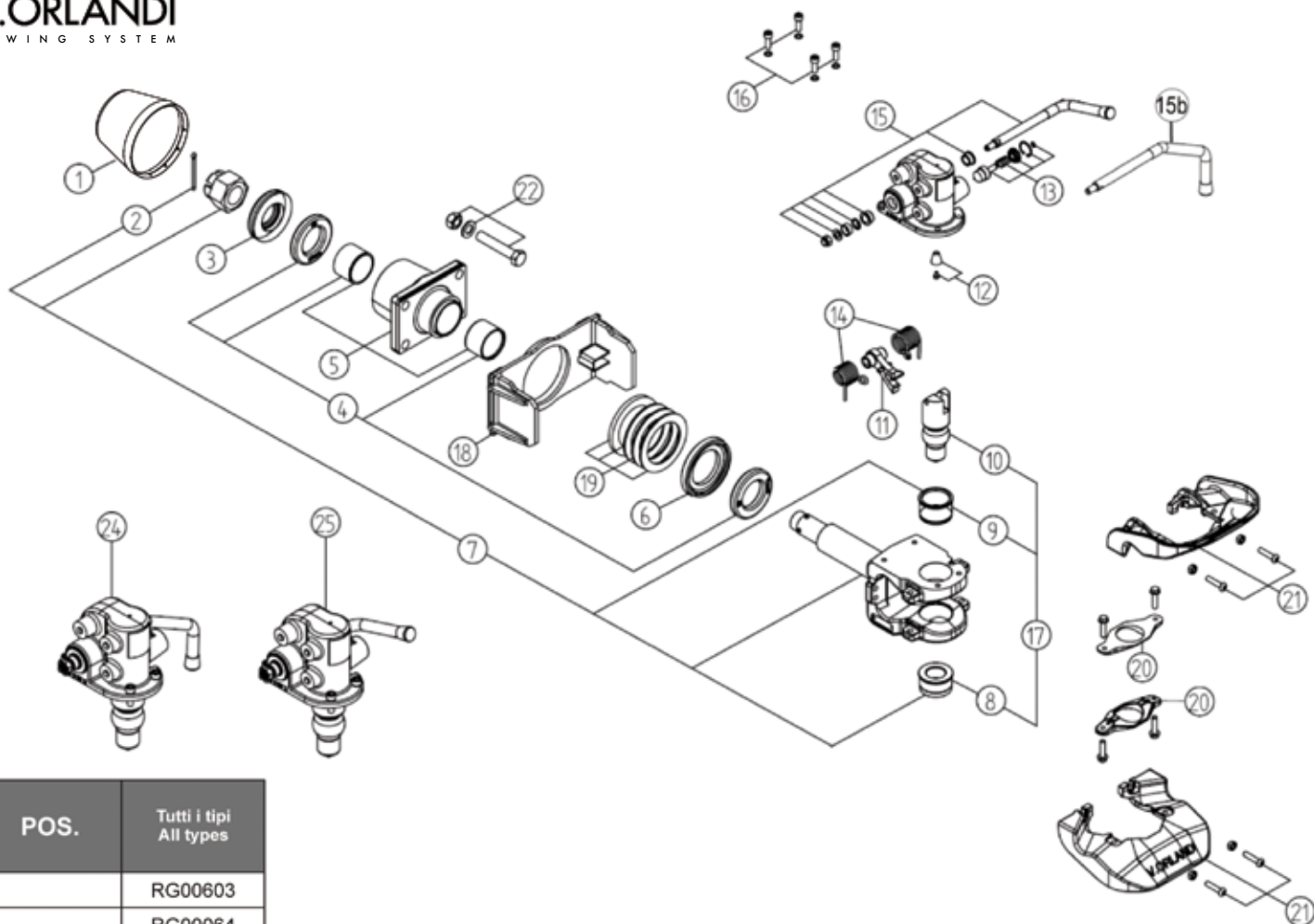
1 = Standard + CO01601

7 = Standard + CO01601 + CO01400

9 = Standard + CO01601 + CO02110

Tipi di leva - Action lever types		Versioni - Versions		
A	B	1	7	9

1990 498 B



POS.	Tutti i tipi All types
1	RG00603
2	RG00064
3	RG00530
4	RG00560
5	RG00423
6	RG00562
7	RG00563
8	RG00387
9	RG00564
10	RG00378
11	RG00298
12	RG00091
13	RG00309
14	RG00178
15	RG00186
15b	RG00187
16	RG00185
17	RG00567
18	RG00568
19 1 x 10mm 3 x 4mm	RG00569
20	RG00386
21	RG00570
22	RG00132
24	RG00582
25	RG00573

ATTENZIONE!
Pos. 18, 22 NON è inclusa.

ATTENTION!
Pos. 18, 22 is NOT included.



GA 38

Ganci automatici
Automatic couplings

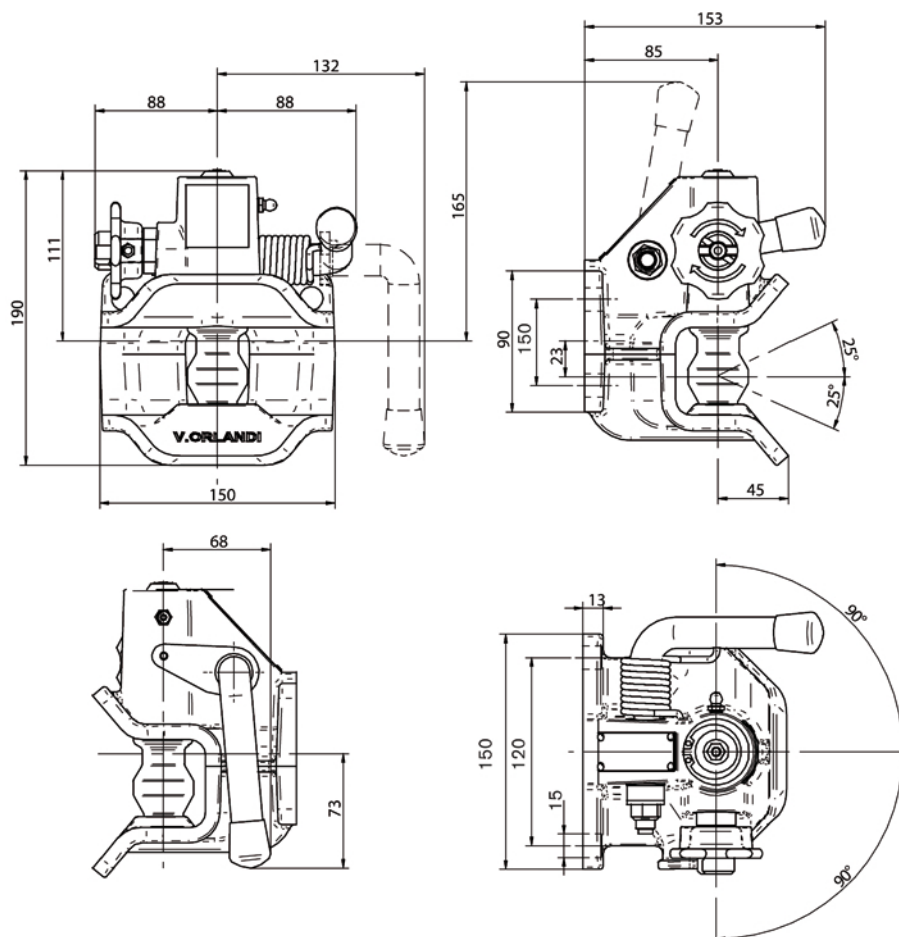
Per occhioni - For drawbar eyes

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40

DIN 74054

Dati tecnici - Technical data

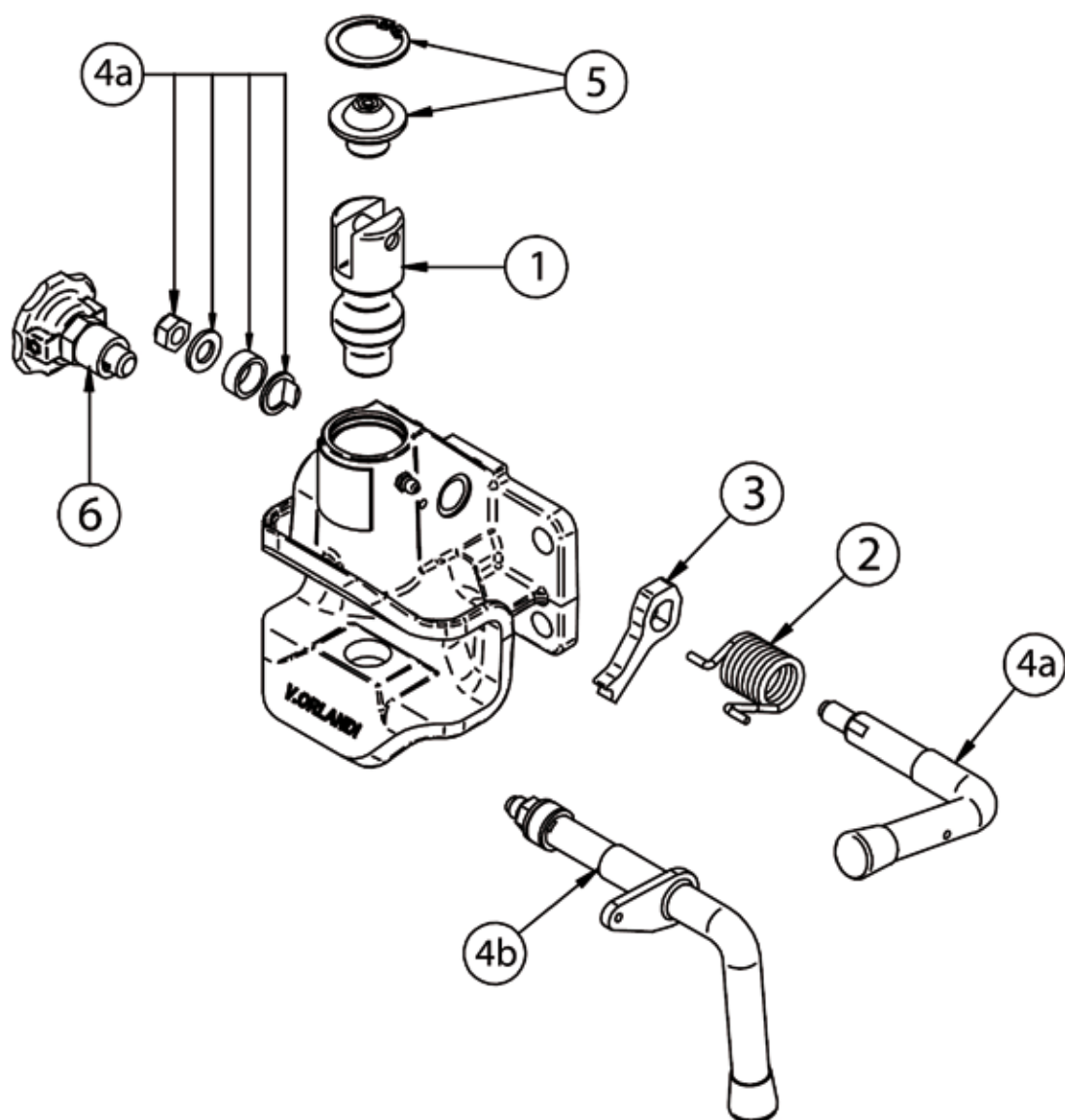
Codice Part number	Flangia Hole pattern mm	Valore D D-Value kN	Valore Dc Dc-Value kN	Massa S S-Load kg	Valore V V-Value kN	Peso Weight kg	Omologazione Homologation
							CRN
GA380A0 GA380B0	120x55	30	30	350	18	5,8	37744



Versione - Version

A	Leva alta - Action lever upwards
B	Leva bassa - Action lever downwards

1990 144 D



POS.	Codice Part number
1	RG00254
2	RG00255
3	RG00256
4a	RG00257
4b	RG00555
5	RG00258
6	RG00335



UN 96

Ganci ad uncino
Pintle hooks

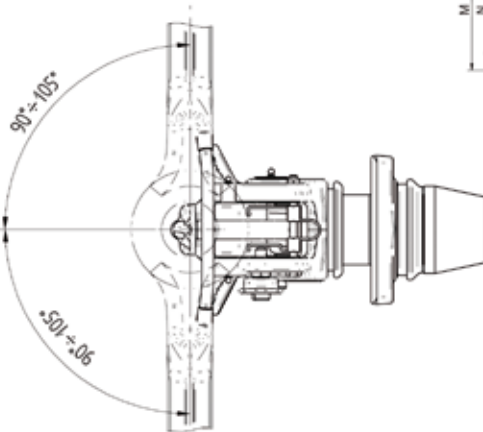
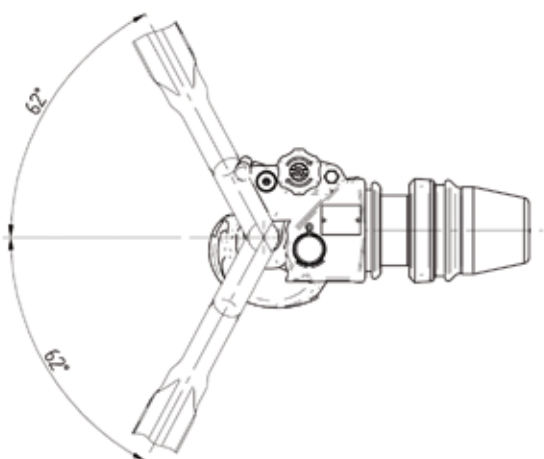
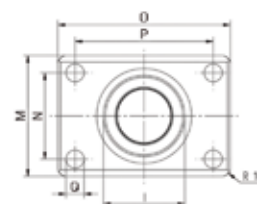
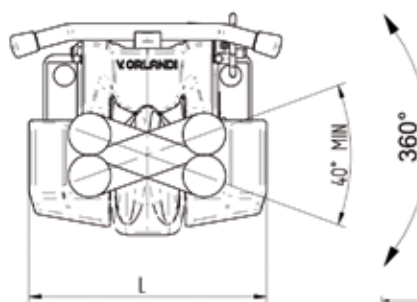
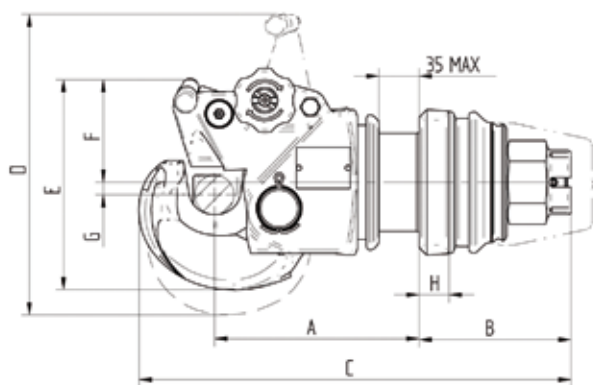
Per occhioni - For drawbar eyes

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76 T

ECE R55-01

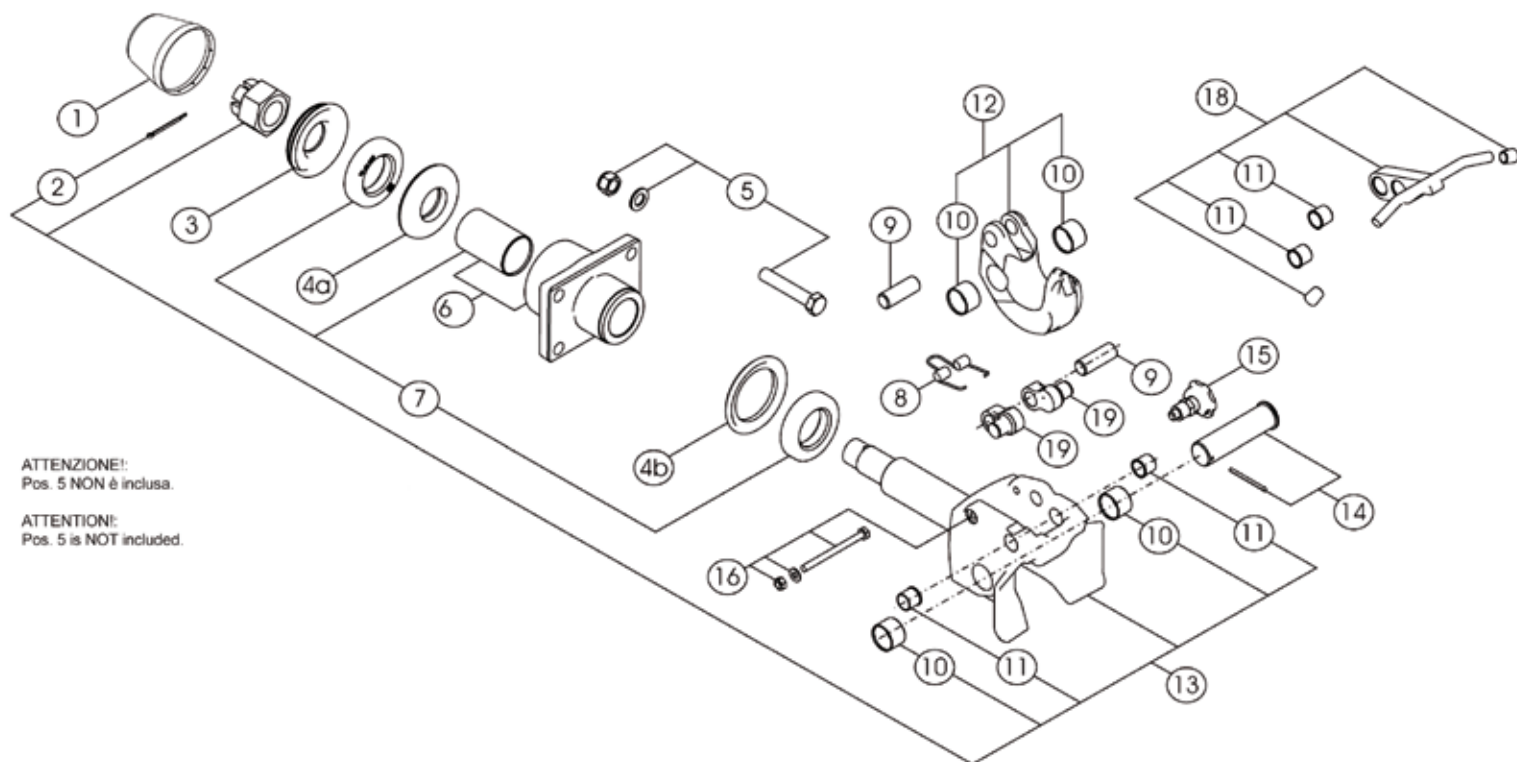
Dati tecnici - Technical data

Codice Part number	Flangia Hole pattern mm	Valore D D-Value kN	Valore Dc Dc-Value kN	Massa S S-Load kg	Valore V V-Value kN	Peso Weight kg	Omologazione Homologation	
							Classe Class	ECE R55-01
UN96300	120x55	70	54	700	18	23	KA1	55R - 01 3004
UN96400	140x80	100	70	900	25	28	KA2	55R - 01 3003
UN96600	160x100	190	103	1500	50	38	KA3	55R - 01 3002



1990 594 - A

Codice Part number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	L (mm)	M (mm)	N (mm)	O (mm)	P (mm)	Q (mm)
UN 963 00	184	160	410	258	186	93	13	20	190	90	55	155	120	15
UN 964 00	179	165	410	258	186	93	13	20	190	120	80	180	140	17
UN 966 00	197	145	415	301	204	100	10	29	229	140	100	200	160	21



ATTENZIONE!
Pos. 5 NON è inclusa.

ATTENTION!
Pos. 5 is NOT included.

POS.	Tutti i tipi All types	Codice - Part number		
		UN 963	UN 964	UN 966
1	RG00603			
2	RG00064			
3		RG00076	RG00175	RG00622
4a		on demand		
4b		RG00216	RG00189	RG00173
5		RG00130	RG00131	RG00132
6		on demand	on demand	RG00617
7		RG00217	RG00183	RG00618
8		RG00471	RG00471	RG00339
9		RG00472	RG00472	RG00331
10		RG00473	RG00473	RG00332
11		RG00474	RG00474	RG00333
12		RG00475	RG00475	RG00341
13		RG00647	RG00647	RG00646
14		RG00476	RG00476	RG00334
15	RG00335			
16		RG00477	RG00477	RG00336
18		RG00478	RG00478	RG00345
19		RG00479	RG00479	RG00337



HERCULES

Gancio per traini eccezionali
Trailer coupling for heavy weight transport

Per occhioni - For drawbar eyes

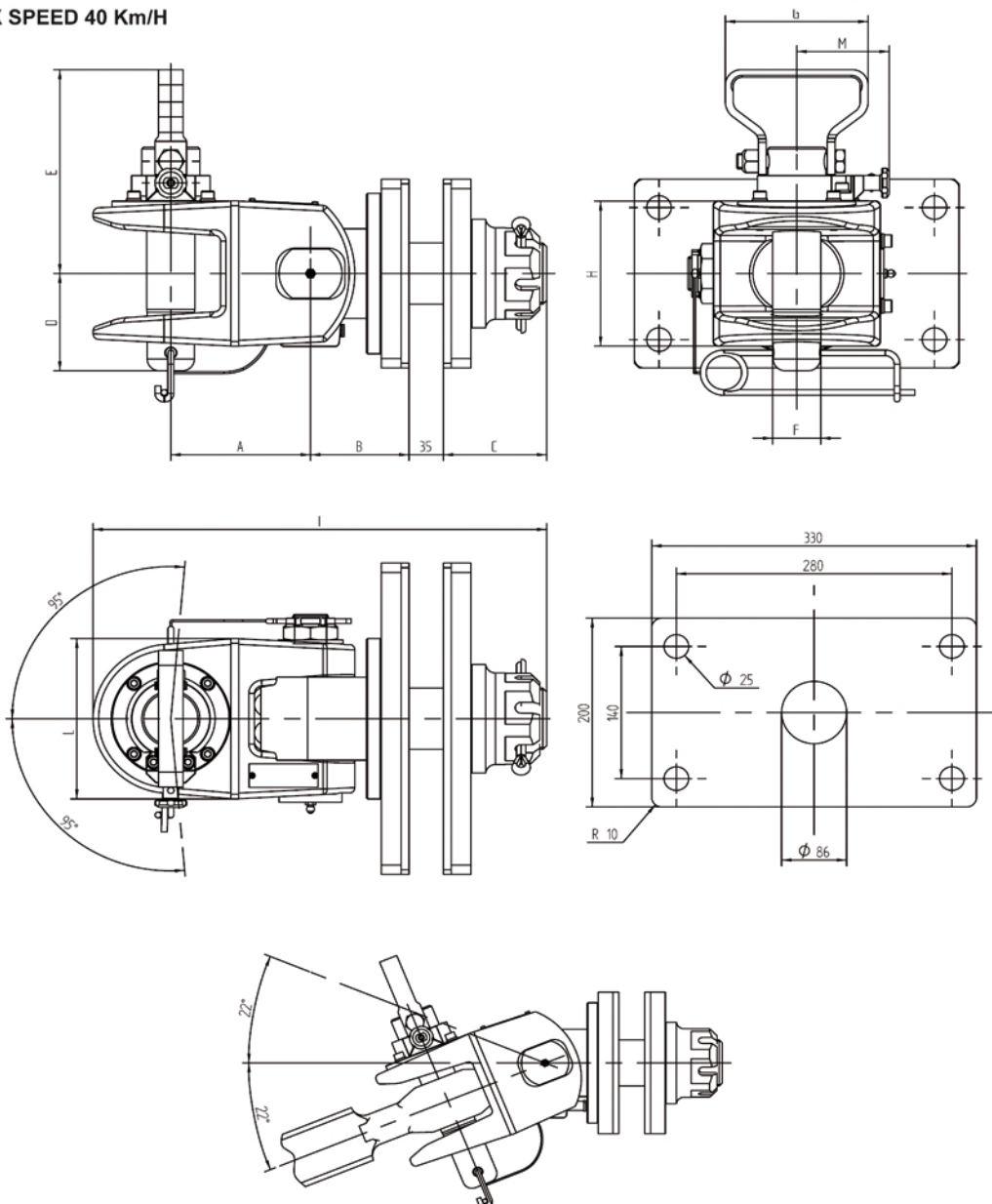
Ø 50/70

CUNA NC 438-55

Dati tecnici - Technical data

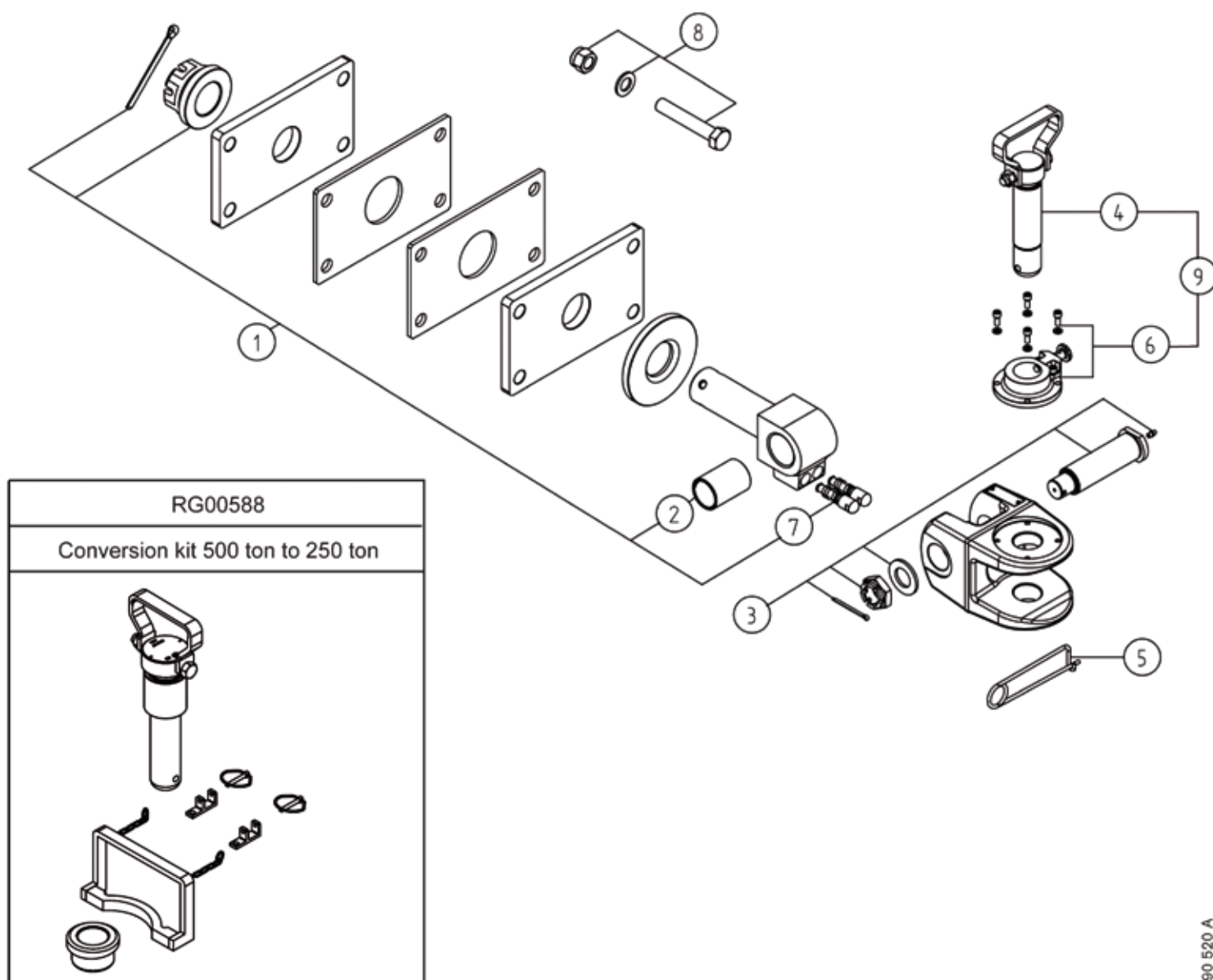
Codice Part number	Flangia Hole pattern mm	Valore D D-Value kN	Peso rimorchiabile Total trailer weight t	Peso Weight kg	Omologazione Homologation		
					Classe Class	CUNA NC 138-55	CRN
TI00110	280x140	265	250	64	VII	DGM*3*0203-G7	46292
TI00210	280x140	460	500	100	VIII	DGM*3*0211-G8	46900

Attention : MAX SPEED 40 Km/H



Codice Part number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	L (mm)	M (mm)
TI00110	142	100	105	103	216	Ø 49	145	154	461	170	94
TI00210	160	134	121	120	232	Ø 69	145	186	539	192	103

1990 519 A



1990 520 A

POS.	Codice - Part number	
	TI00110	TI00210
1	RG00544	RG00545
2	RG00547	RG00548
3	RG00518	RG00522
4	RG00580	RG00581
5	RG00052	RG00052
6	RG00574	RG00575
7	RG00549	RG00550
8	RG00554	RG00554
9	RG00576	RG00577
10		RG00588



UN 761

Ganci ad uncino
Pintle hooks

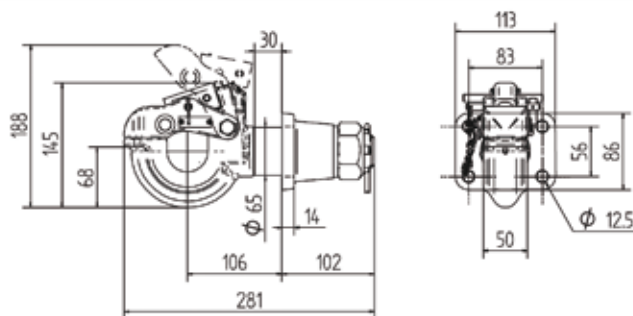
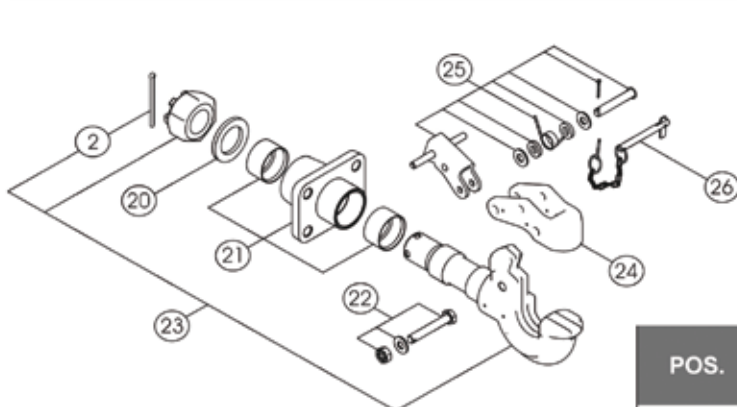
Per occhioni - For drawbar eyes

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76 T

ECE R55-01

Dati tecnici - Technical data

Codice Part number	Flangia Hole pattern mm	Valore D D-Value kN	Valore Dc Dc-Value kN	Massa S S-Load Mkg	Valore V V-Value kN	Peso Weight kg	ECE R55-01	
							Classe Class	Omologazione Homologation
UN76100	83x56	27	21	350	15	15	K3	55R - 01 3005



POS.	Codice Part number	POS.	Codice Part number
2	RG00369	23	RG00348
20	RO00011	24	RG00349
21	RG00346	25	RG00350
22	RG00347	26	RG00351



UN 45

Ganci ad uncino
Pintle hooks

Per occhioni - For drawbar eyes

Ø 76 T

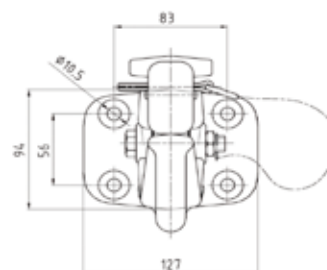
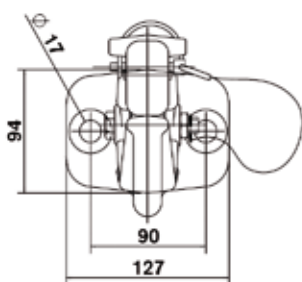
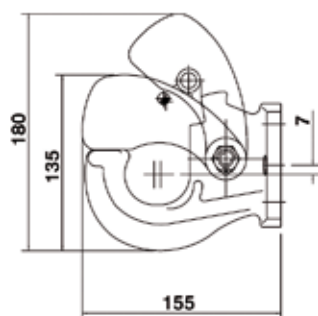
ECE R55-01

Ø 45 T

CUNA NC 138-4

Dati tecnici - Technical data

Codice Part number	Flangia Hole pattern mm	Valore D D-Value kN	Valore Dc Dc-Value kN	Massa S S-Load kg	Peso Weight kg	94 / 20 / CE	
						Classe Class	Omologazione Homologation
UN45000	83x56	31	31	340	3,5	S	8113
UN45100	90	31	31	340	3,5	S	8113



1990 069 D



GM 10

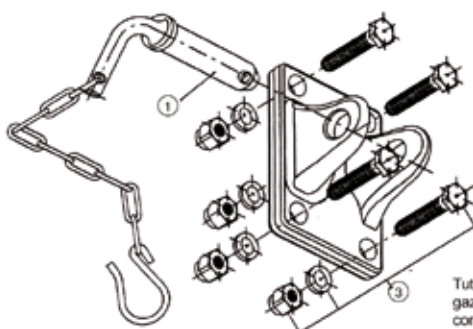
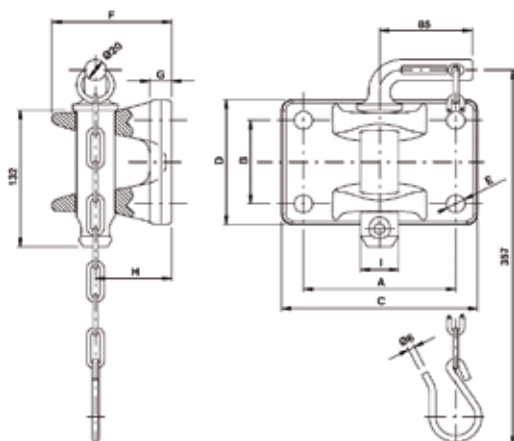
Ganci di manovra
Towing couplings

Per occhioni - For drawbar eyes

ø 50	94 / 20 / CE
ø 40	DIN 74054
ø 45 T	ECE R55-01
ø 76 T	ECE R55-01

Dati tecnici - Technical data

Codice Part number	Peso rimorchiabile Total trailer weight t	Peso motrice Total weight of towing vehicle t	Peso Weight kg
GM10300	25	50	4.2
GM10400	35	70	6
GM10500	50	120	7



Ricambi - Spare parts

	GM 103	GM 104	GM 105
Pos. 1	RG00219	RG00219	RG00219
Pos. 3	RG00130	RG00131	RG00132

ATTENZIONE:
Pos. 3 NON è inclusa.

ATTENTION:
Pos. 3 is NOT included.

Tutti i ganci di manovra sono forniti senza targhetta di omologazione. Dimensioni principali e capacità di traino in accordo con le direttive 1999/58/CE e 96/64/CE.

All towing couplings are delivered without a type plate. Main dimensions and towing capacity in compliance with directives 1999/58/CE and 96/64/CE.

Part number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
GM103	120	55	155	90	ø15	102	15	70	ø35
GM104	140	80	180	120	ø17	110	20	70	ø35
GM105	160	100	200	140	ø21	110	20	70	ø35



DE 71

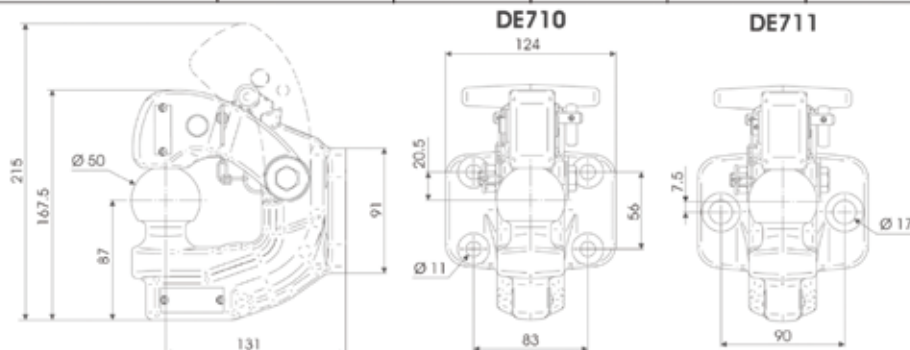
Ganci a sfera
Ball hitches

Per occhioni - For drawbar eyes

B 50	94 / 20 / CE
ø 76 T	ECE R55-01

Dati tecnici - Technical data

Codice Part number	Flangia Hole pattern mm	Valore D D-Value kN	Valore Dc Dc-Value kN	Massa S S-Load kg	Peso Weight kg	ECE R55-01	
						Classe Class	Omologazione Homologation
DE00710	83x56	28	28	330	5,5	S	55R - 01 3014
DE00711	90	28	28	330	5,5	S	55R - 01 3015



Kits Complementari - Complementary Kits

INDICE - INDEX

KIT APERTURA MECCANICA - MECHANICAL REMOTE OPENING

	Codice Article number	descrizione description	applicabile ai ganci serie applicable to couplings series	pagina page
	CO01800	Apertura meccanica a distanza Mechanical remote opening	E 520 - E 550	24

KIT APERTURA PNEUMATICA - PNEUMATIC REMOTE OPENING

	CO01400 CO01420	Apertura pneumatica Pneumatic remote opening	E 520 - E 550 E 57	26
	CO02100 CO02110	Apertura pneumatica "Lineare" Pneumatic remote opening "Linear"	E 520 - E 550 E 57	28
	CO02200	Apertura pneumatica "Lineare" Pneumatic remote opening "Linear"	E 40	30

KIT SEGNALAZIONE IN CABINA - REMOTE INDICATORS

	CO01600	Segnalazione apertura/chiusura in cabina + segnalazione limite di sterzata in cabina Open-closed remote indicator + steering angle remote indicator	E 40 - E 520 - E 550	31
	CO01601	Segnalazione apertura/chiusura in cabina Open-closed remote indicator	E 57 - E 520 - E 550	31
	CO01602	Segnalazione limite di sterzata in cabina Steering angle remote indicator	E 520 - E 550	31
	CO01603 CO01606	Segnalazione apertura/chiusura in cabina Open-closed remote indicator	E 57 - E 520 - E 550	31



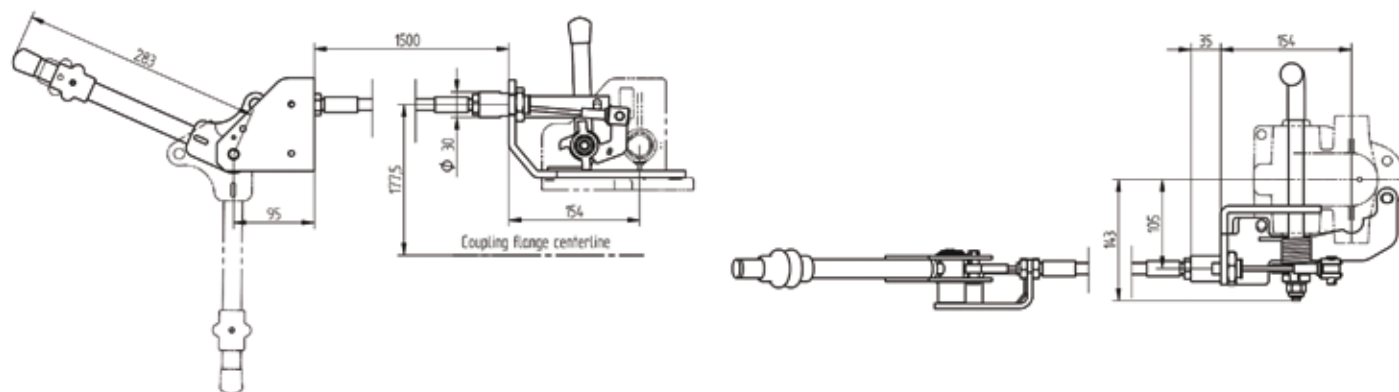
Kit CO01800

Apertura meccanica a distanza
Mechanical remote opening

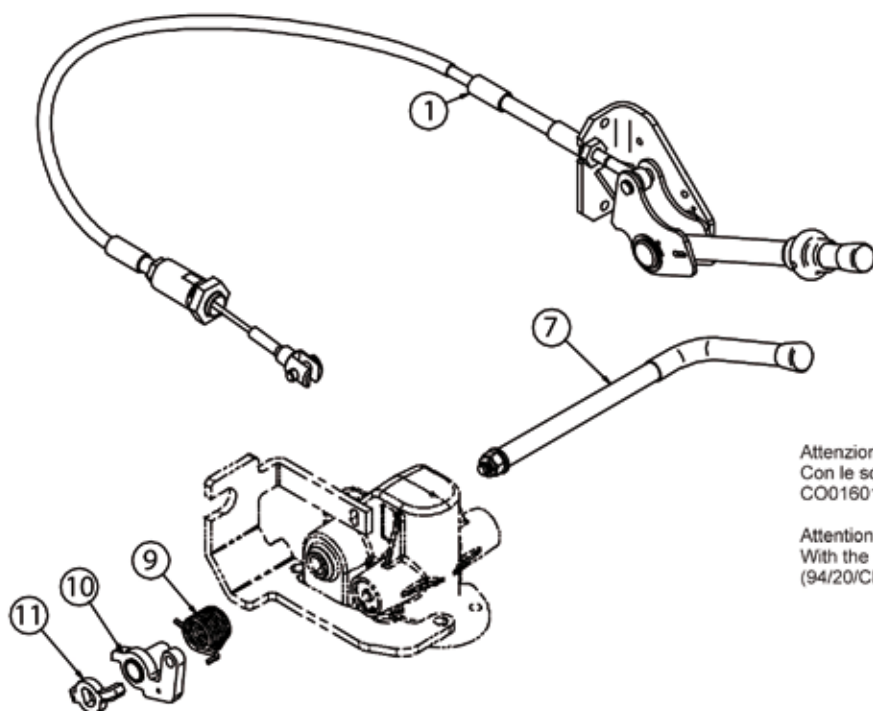
Dati tecnici - Technical data

Codice Article number	Applicabile ai ganci serie Applicable to couplings series
CO01800	E520 - E550

Dimensioni principali - Main dimensions



Ricambi - Spare parts



POS.	CO01800
1	RG00410
7	RG00406
9	RG00407
10	RG00409
11	RG00408

Attenzione:
Con le sopracitate versioni è obbligatorio il segnalatore in cabina
CO01601 (94/20/CE)

Attention:
With the above versions is required in the cabin indicator CO01601
(94/20/CE)



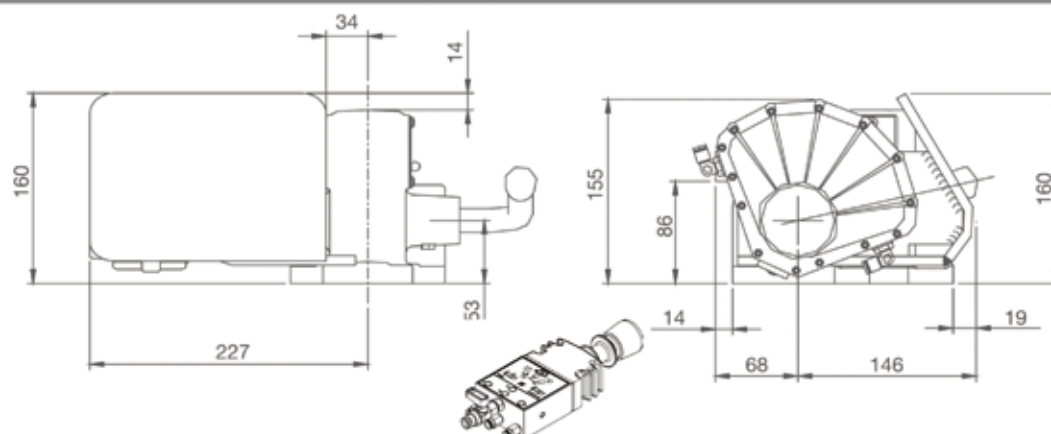
Kit CO01400

Apertura pneumatica
Pneumatic remote opening

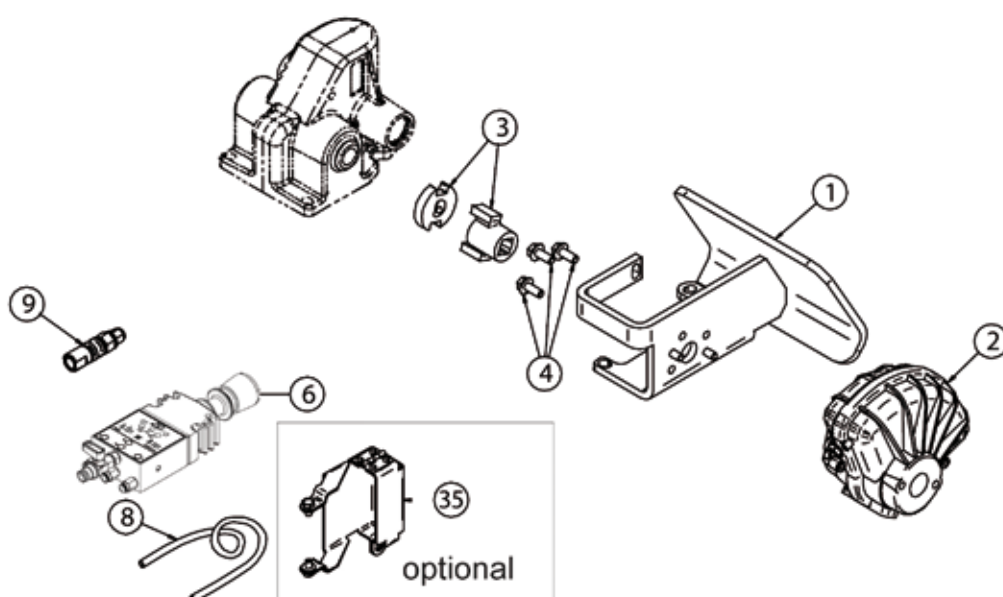
Dati tecnici - Technical data

Codice Article number	Applicabile ai ganci serie Applicable to couplings series
CO01400	E520 - E550

Dimensioni principali - Main dimensions



Ricambi - Spare parts



POS.	CO01400
1 LH	RG00253
1 RG	RG00279
2-4	RG00244
3	RG00543
6	RG00453
8	RG00251
9	RG00252
35	RG00493

Attenzione: E' obbligatorio il segnalatore in cabina CO01601 (94/20/CE)
Attention: Required in the cabin indicator CO01601 (94/20/CE)



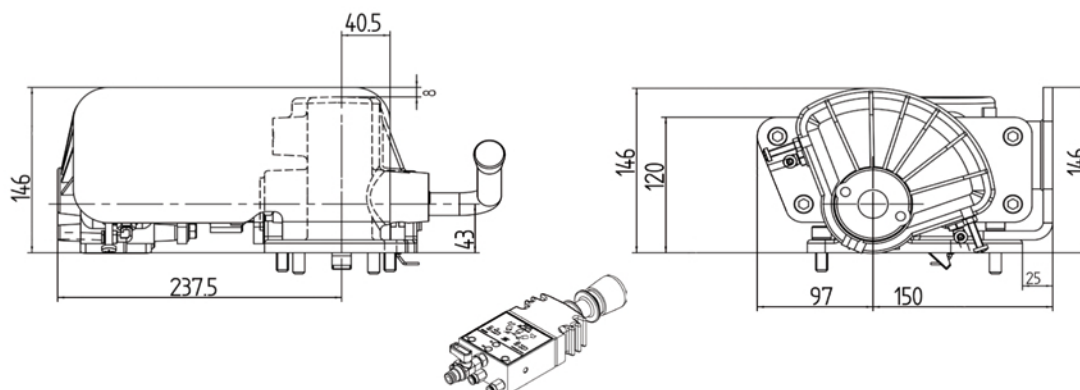
Kit CO01420

Apertura pneumatica
Pneumatic remote opening

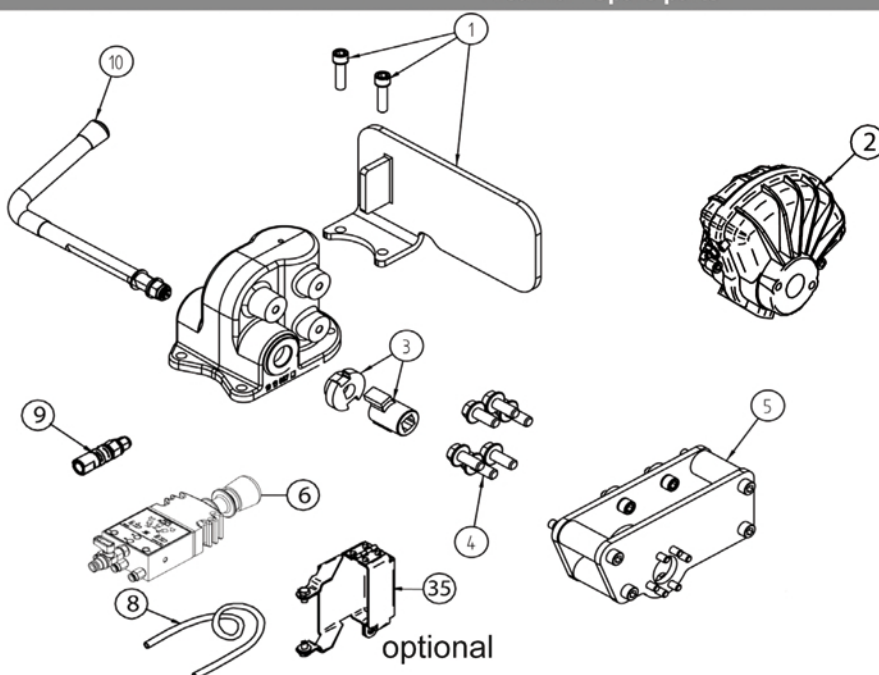
Dati tecnici - Technical data

Codice Article number	Applicabile ai ganci serie Applicable to couplings series
CO01420	E57

Dimensioni principali - Main dimensions



Ricambi - Spare parts



POS.	CO01420
1	RG00597
2-4	RG00247
3	RG00596
5	RG00596
6	RG00453
8	RG00251
9	RG00252
10	RG00598
35	RG00493

Attenzione: E' obbligatorio il segnalatore in cabina CO01601 (94/20/CE)
Attention: Required in the cabin indicator CO01601 (94/20/CE)

1990 170 D



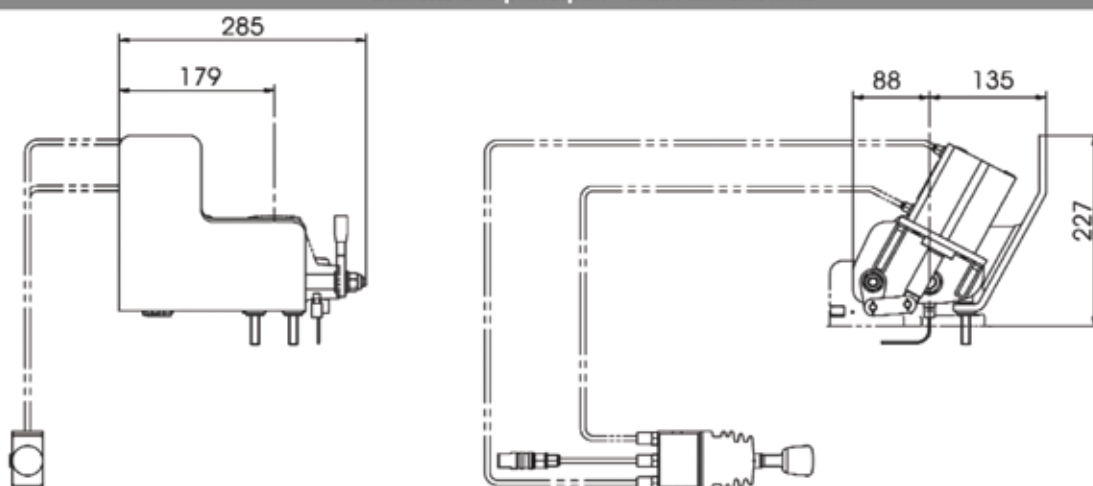
Kit CO02100

Apertura pneumatica "Linear"
Pneumatic remote opening "Linear"

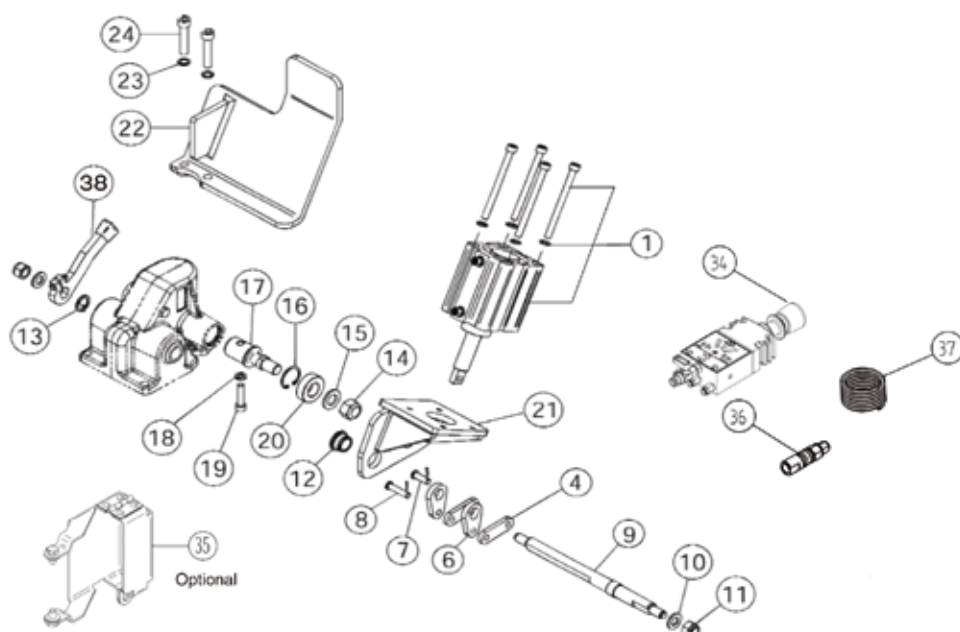
Dati tecnici - Technical data

Codice Article number	Applicabile ai ganci serie Applicable to couplings series
CO02100	E520 - E550

Dimensioni principali - Main dimensions



Ricambi - Spare parts



POS.	CO02100
1	RG00508
4,6,7,8	RG00509
9,10,11,12,13	RG00510
14,15,16,17,18,19,20,21	RG00511
22,23,24	RG00512
34	RG00453
35	RG00493
36	RG00252
37	RG00251
38	RG00228

Attenzione: E' obbligatorio il segnalatore in cabina CO01601 (94/20/CE)
Attention: Required in the cabin indicator CO01601 (94/20/CE)



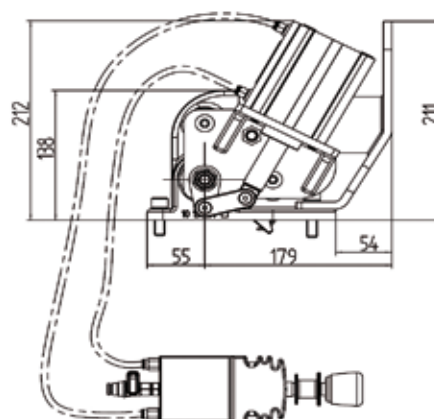
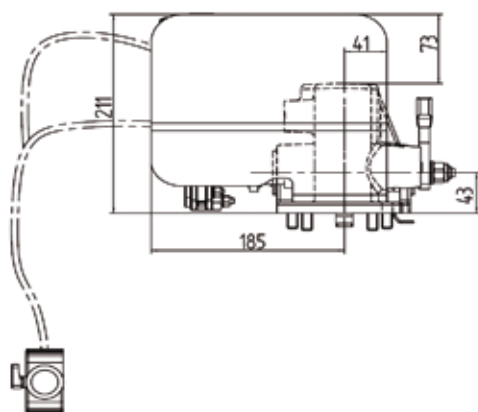
Kit CO02110

Apertura pneumatica "Linear"
Pneumatic remote opening "Linear"

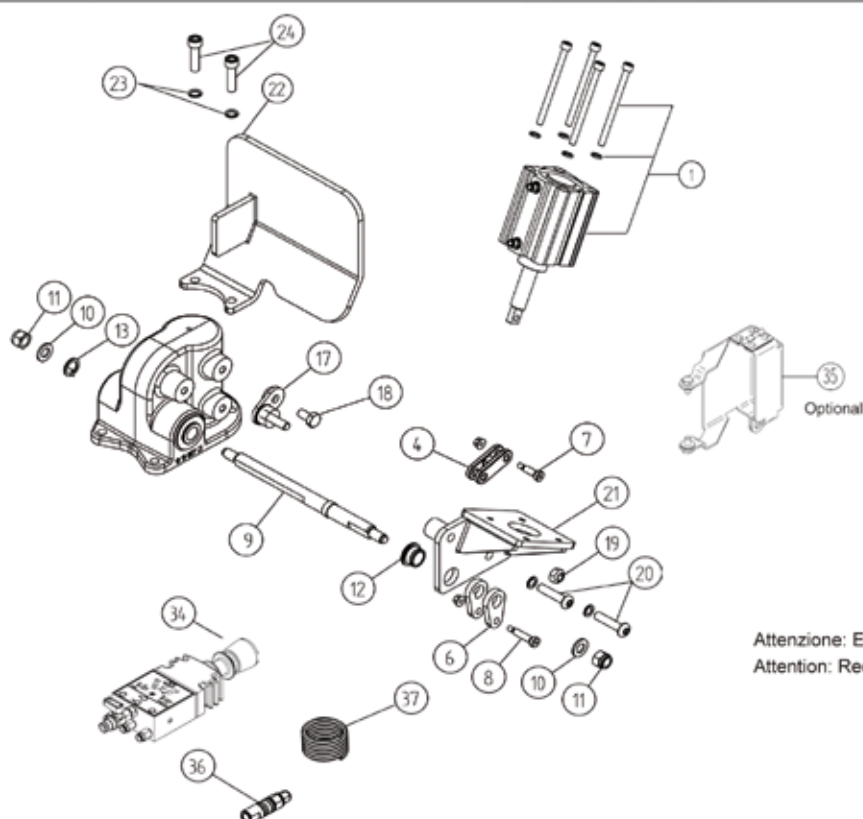
Dati tecnici - Technical data

Codice Article number	Applicabile ai ganci serie Applicable to couplings series
CO02110	E57

Dimensioni principali - Main dimensions



Ricambi - Spare parts



POS.	CO002110
1	RG00508
4,6,7,8	RG00509
9,10,11,12,13	RG00627
17,18,19,20,21	RG00628
22,23,24	RG00629
34	RG00453
35	RG00493
36	RG00252
37	RG00251

Attenzione: E' obbligatorio il segnalatore in cabina CO01601 (94/20/CE)
Attention: Required in the cabin indicator CO01601 (94/20/CE)



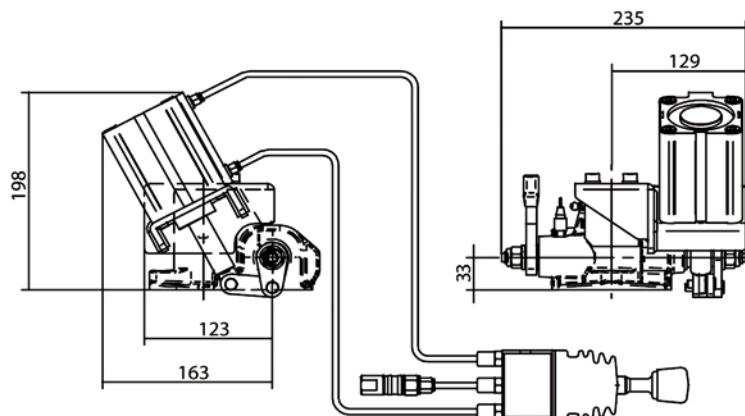
Kit CO0220

Apertura pneumatica "Linear"
Pneumatic remote opening "Linear"

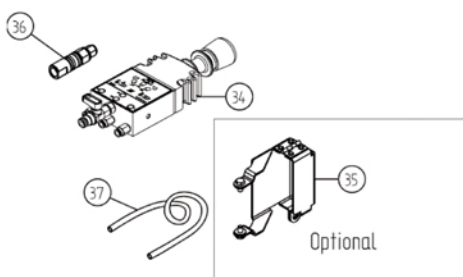
Dati tecnici - Technical data

Codice Article number	Applicabile ai ganci serie Applicable to couplings series
CO02200	E40

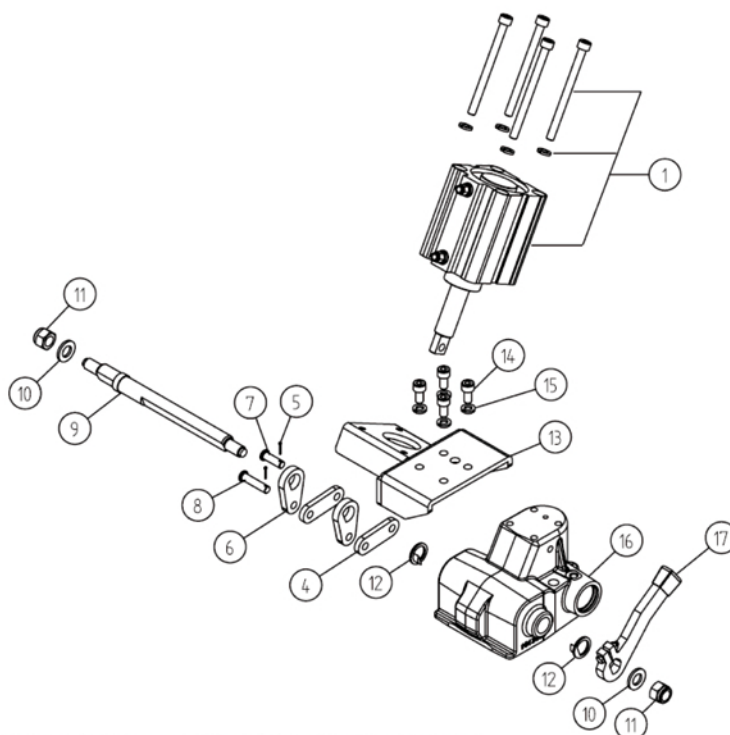
Dimensioni principali - Main dimensions



Ricambi - Spare parts



POS.	CO002200
1	RG00508
4,5,6,7,8	RG00509
9,10,11,12	RG00558
13,14,15	RG00559
16	RG00557
17	RG00228
34	RG00453
35	RG00493
36	RG00252
37	RG00251



Attenzione: E' obbligatorio il segnalatore in cabina CO01601 (94/20/CE)
Attention: Required in the cabin indicator CO01601 (94/20/CE)

1990 501 A



Kit CO016

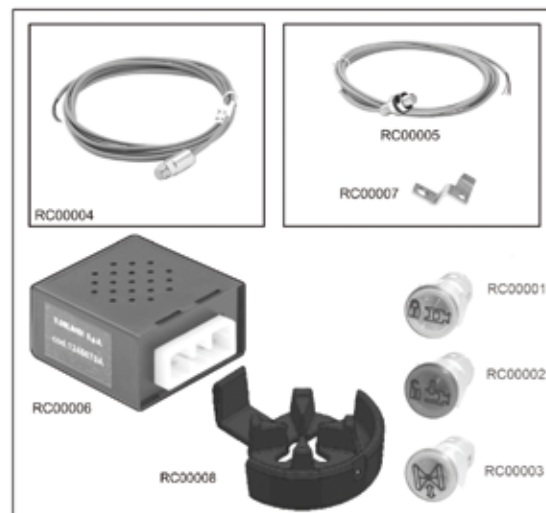
Kit segnalazione in cabina
In-cabin remote indicators

CO01600

Segnalazione apertura/chiusura in cabina + segnalazione limite di sterzata in cabina
Open-closed remote indicator + steering angle remote indicator

Applicabile ai ganci serie
Applicable to couplings of series

**E 40
E520
E550**

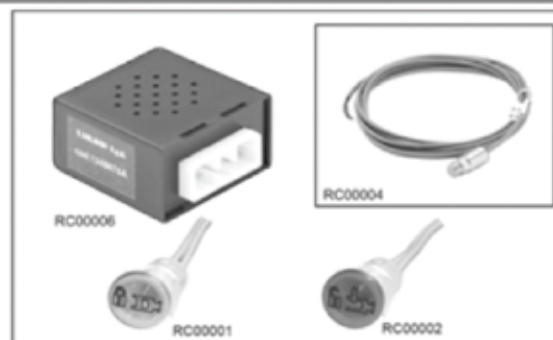


CO01601

Segnalazione apertura/chiusura in cabina
Open-closed remote indicator

Applicabile ai ganci serie
Applicable to couplings of series

**E 40
E520
E550
E57**

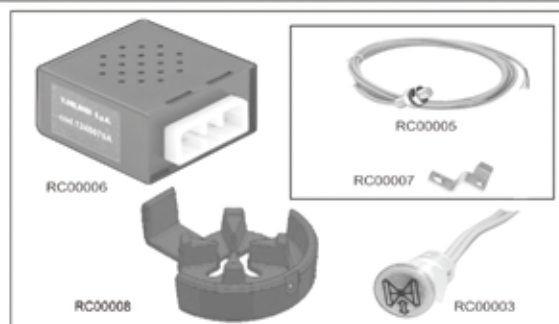


CO01602

Segnalazione limite di sterzata in cabina
Steering angle remote indicator

Applicabile ai ganci serie
Applicable to couplings of series

**E 40
E520
E550**



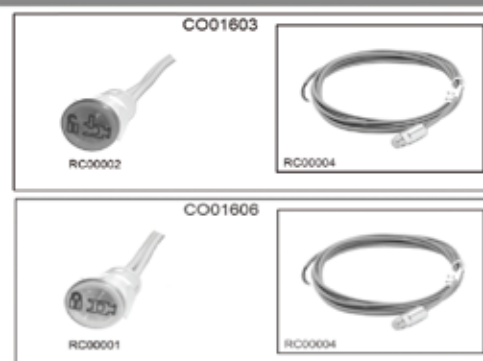
CO01603
(open indicator "red")

Segnalazione apertura o chiusura in cabina
Open or closed remote indicator

CO01606
(closed indicator "green")

Applicabile ai ganci serie
Applicable to couplings of series

**E 40
E520
E550
E57**



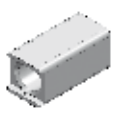
1990 220 C

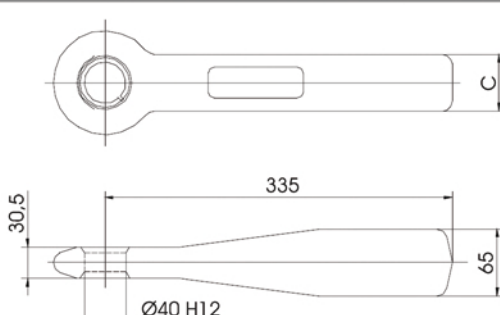
Occhioni - Drawbar eyes

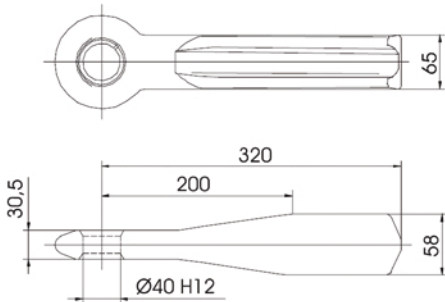
INDICE - INDEX

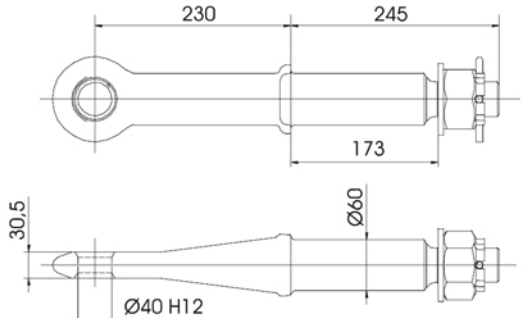
		Tipo Type	Descrizione Description			Pagina Page
Ø 40 mm		40W	Occhioni a saldare Weldable drawbar eyes	✓		33
		40R	Occhioni sfilabili Removable drawbar eyes	✓	✓	33
		40F	Occhioni flangiati Flanged drawbar eyes	✓	✓	33
Ø 50 mm		50W	Occhioni a saldare Weldable drawbar eyes	✓		34
		50R	Occhioni sfilabili Removable drawbar eyes	✓		35
		51F	Occhioni flangiati Flanged drawbar eyes	✓	✓	35
Ø 57,5 mm		57W	Occhioni a saldare Weldable drawbar eyes	✓	✓	36
		57F	Occhioni flangiati Flanged drawbar eyes	✓	✓	36
Ø 70 mm		70W	Occhioni a saldare Weldable drawbar eyes	✓		36
Ø 76 mm		76W	Occhioni a saldare Weldable drawbar eyes	✓		37
		76T	Occhioni a saldare Weldable drawbar eyes	✓		37
		76R	Occhioni sfilabili Removable drawbar eyes	✓		37

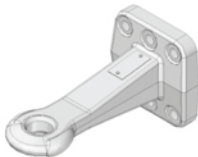
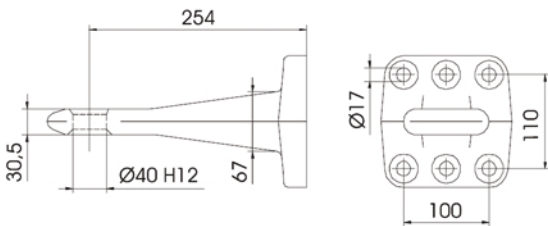
Accessori - Accessories

  	PS - RO	Piastre a saldare Weld in plates Manicotti Weldable brackets	38
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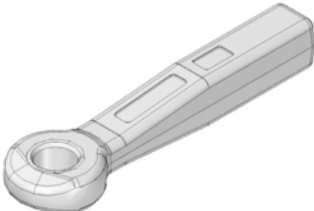
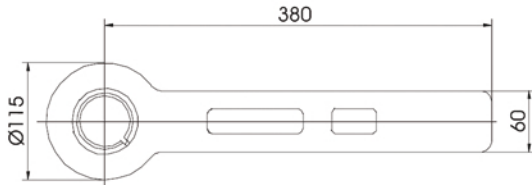
Occhioni a saldare Weldable drawbar eyes								
DIN 74054								
Codice Part number	Valore-Value				C mm	Peso Weight kg		
	D kN	Dc kN	S kg	V kN				
OC40W04	125	74	1000	23	60	8,5		

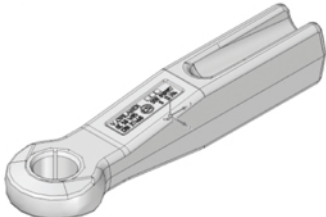
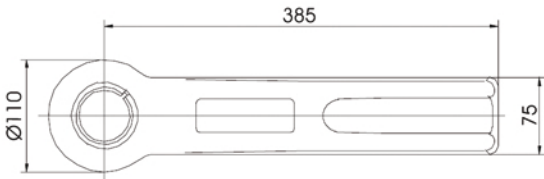
Occhioni a saldare Weldable drawbar eyes					
ECE R55-01 DIN 74054					
Codice Part number	Valore D D-Value kN	Peso Weight kg	Omologazione Homologation ECE R55-01		
OC40W05	125	5,5	55R - 01 0253		

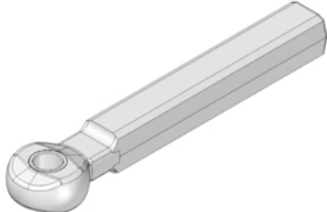
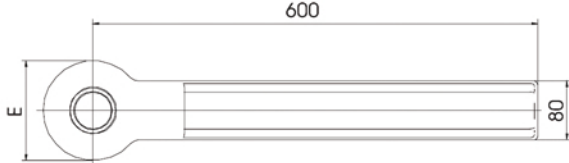
Occhioni sfilabili Removable drawbar eyes								
DIN 74054								
Codice Part number	Valore-Value				Peso Weight kg	Omologazione Homologation 94/20/CE		
	D kN	Dc kN	S kg	V kN				
OC40R02	125	74	1000	23	10,7	e1 00-0691		

Occhioni flangiati Flanged drawbar eyes									
ECE R55-01 DIN 74054									
Codice Part number	Valore-Value				Peso Weight kg	Omologazione Homologation ECE R55-01	VITI INCLUDE - SCREWS INCLUDED		
	D kN	Dc kN	S kg	V kN					
OC40F60	125	100	1000	40	10	55R - 01 10068			

VITI INCLUDE - SCREWS INCLUDED

Occhioni a saldare Weldable drawbar eyes							
DIN 74054 CRN							
Codice Part number	Valore-Value				Peso Weight kg	Omologazione Homologation CRN	
	D kN	Dc kN	S kg	V kN			
OC50W01 SPLIT BUSH	190	90	1000	30	11	37469	
OC50WT1 SOLID BUSH							

Occhioni a saldare Weldable drawbar eyes "Heavy duty"					
DIN 74054 CRN					
Codice Part number	Valore D D-Value kN	Peso Weight kg	Omologazione Homologation CRN		
OC50W05 SPLIT BUSH	315	12,5	37468		
OC50WT5 SOLID BUSH					

Occhioni a saldare Weldable drawbar eyes “Heavy duty”						
CRN						
Codice Part number	B mm	E mm	Valore D D-Value kN	Peso rimorchiabile Total trailer weight t	Peso Weight kg	Omologazione Homologation CRN
OC50W04	67	136	265	250	29,4	46332
						

50mm

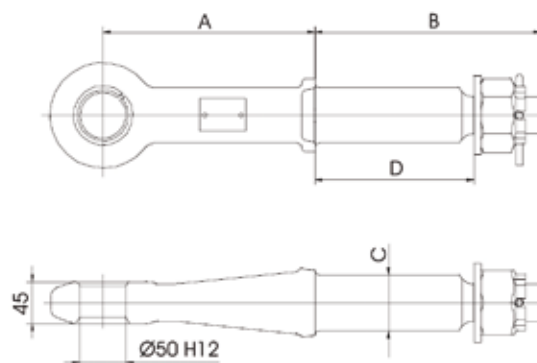
Occhioni - Drawbar eyes

Occhioni sfilabili
Removable drawbar eyes

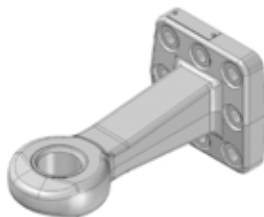


DIN 74053-1 CRN

Codice Part number	A mm	B mm	C mm	D mm	Valore D D-Value kN	Peso Weight kg	Omologazione Homologation CRN
OC50R09	217	345	49	245	250	12	37722
OC50R10 SPLIT BUSH	230	245	60	173	250	12,5	37721
OC50RT1 SOLID BUSH							

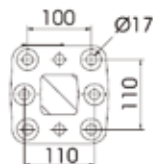
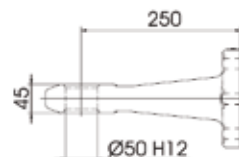


Occhioni flangiati
Flanged drawbar eyes



DIN 74053-1 CRN

Codice Part number	Valore-Value				Peso Weight kg	Omologazione Homologation	Omologazione Homologation CRN
	D kN	Dc kN	S kg	V kN			
OC51F8E	200	140	1000 2500	75 50	11,2	e11 00-1153	37742

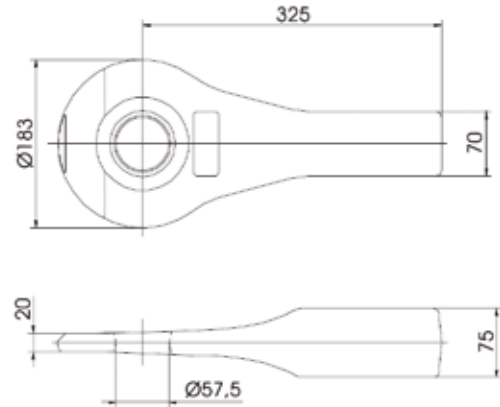


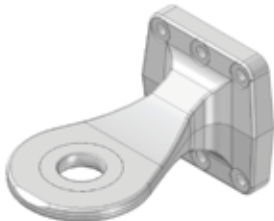
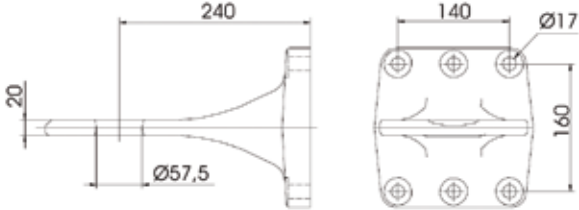
F8

VITI INCLUDE - SCREWS INCLUDED

57,5mm

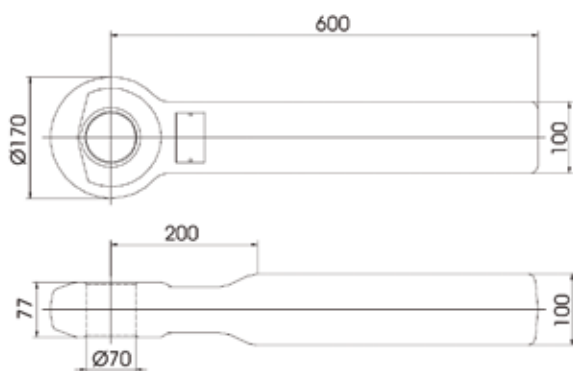
Occhioni - Drawbar eyes

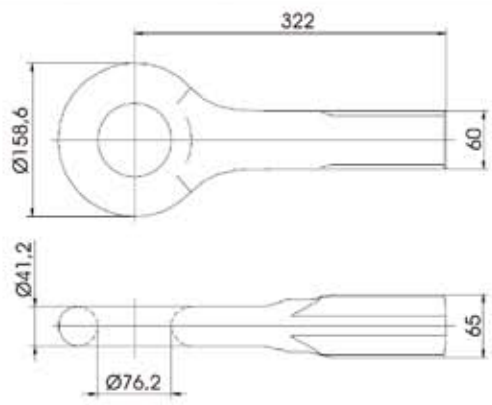
Occhioni a saldare Weldable drawbar eyes							
SWEDISH STD							
Codice Part number	Valore-Value				Peso Weight kg	Omologazione Homologation 94/20/CE	
	D kN	Dc kN	S kg	V kN			
OC57W01	190	90	1000	30	13	e4 00-0959	

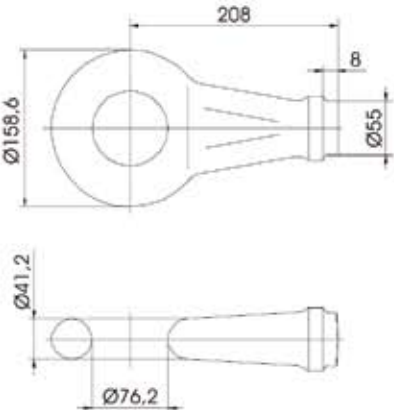
Occhioni flangiati Flanged drawbar eyes							
SWEDISH STD							
Codice Part number	Valore-Value				Peso Weight kg	Omologazione Homologation ECE R55-01	
	D kN	Dc kN	S kg	V kN			
	OC57F61		300	145			1000 3000

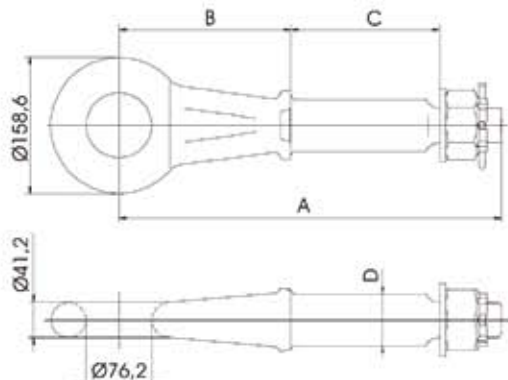
70mm

Occhioni - Drawbar eyes

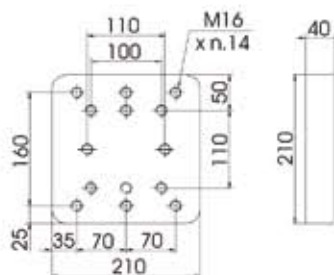
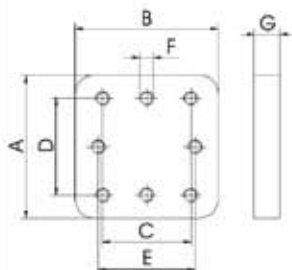
Occhioni a saldare Weldable drawbar eyes "Heavy duty"						
CRN						
Codice Part number	Peso rimorchiabile Total trailer weight t	Valore D D-Value kN	Peso Weight kg	Omologazione Homologation CRN		
OC70W00	500	460	46,5	46899		

Occhioni a saldare Weldable drawbar eyes					
ECE R55-01					
Codice Part number	Valore D D-Value kN		Peso Weight kg		
OC76W01	120		10,2		

Occhioni a saldare Weldable drawbar eyes					
ECE R55-01					
Codice Part number	Peso rimorchiabile Total trailer weight t		Peso Weight kg		
OC76T04	26		7		

Occhioni sfilabili Removable drawbar eyes								
ECE R55-01								
Codice Part number	A mm	B mm	C mm	D mm	Peso Weight kg	Valore-Value		
						D kN	S kg	
OC76R10	445	200	173	60	13	120	1000	

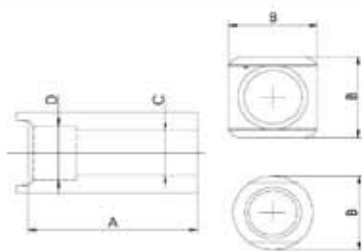
PIASTRE A SALDARE - WELD IN PLATES



PS008

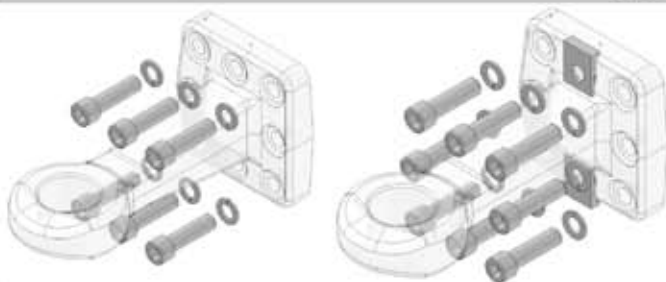
Codice Part number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Codice Part number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
PS00100	162	162	100	110	110	M16	30	PS00500	190	200	130	130	130	M20	40
PS00200	200	200						PS00600	210	210	140	160	-	M16	40
PS00300	160	240						PS00800	vedi disegno - see drawing						

MANICOTTI - WELDABLE BRACKETS



Codice Part number	A (mm)	B (mm)	C (mm)	D (mm)	Per occhielli tipo For drawbar eye type
RO00036	245	80	49,2	50,2	50R09
RO00038	245	90x90	49,2	50,2	50R09
RO00041	173	90x90	60	-	50R10-76R10

VITI - SCREWS



Per occhielli tipo - For drawbar eye type	Codice Kit - Kit Code
40F60	RO00025
57F	RO00055
51F8	RO00035

BUSSOLA - BUSH



Per occhielli tipo - For drawbar eye type	Codice Bussola - Bush Code
40W-R	RO00017
50R	RO00004
50W 01-05	
40F	RO00024
51F	RO00016
50R	RO000T4
50W 01-05	RO00057
70W	
57	RO00054



Ralle - Fifth wheels

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RP10-S 	2"	CRN	Ralla su perni - appoggi a saldare Fifth wheel with pivot bearings weldable pedestal	44
RV10-T 	2"	CRN	Ralla su tamponi Fifth wheel with rubber bearings	46
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Ralle - Fifth wheels

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Serie Series	Perno Kingpin	Omologazione Homologation	Descrizione Description	Pagina Page
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RP100-DO 	3,5"/4"	ECE R55-01	Ralla doppia oscillazione Double oscillating fifth wheel	54
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FPX 	2"	-	Ralla sollevatrice Lifting fifth wheel	58



RP10 - P

Ralla su perni
Fifth wheel with pivot bearings

2"

Omologazione - Homologation

CRN

Dati tecnici - Technical data

Codice Part number	Altezza H H-Height mm	Valore D D-Value kN	Carico verticale Imposed load Ton	Peso Weight kg	Omologazione Homologation
					CRN
F2P1B10	140	200	20	139	37747
F2P1B20	150	200	20	141	37747
F2P1B30	185	200	20	143	37747
F2P1B40	225	200	20	148	37747
F2P1G10	140	200	20	139	37747
F2P1G20	150	200	20	141	37747
F2P1G30	185	200	20	143	37747
F2P1G40	225	200	20	150	37747

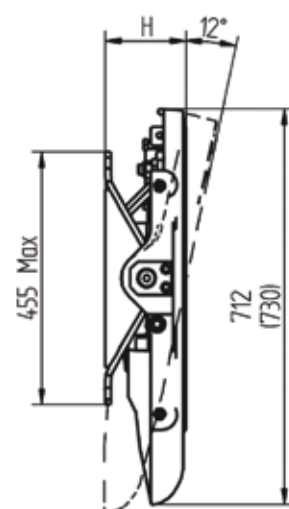
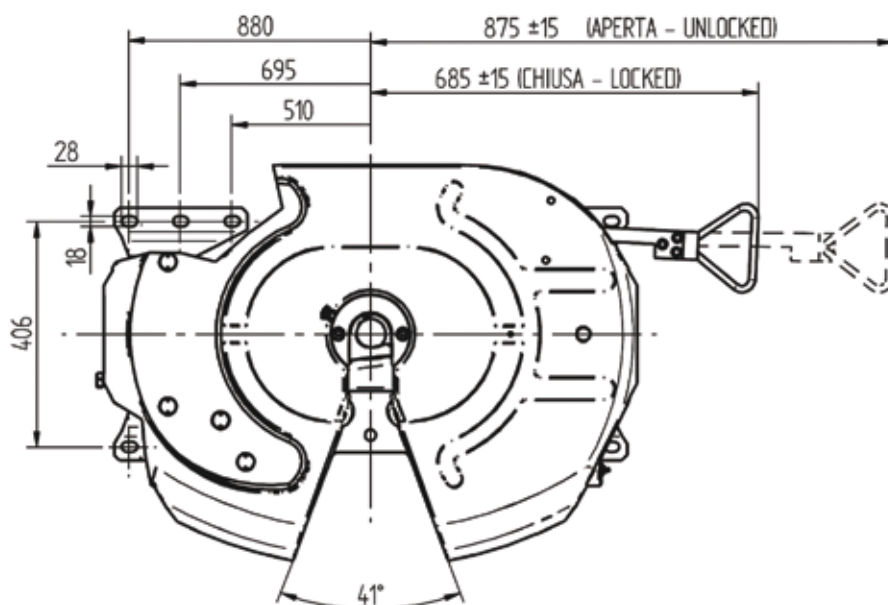
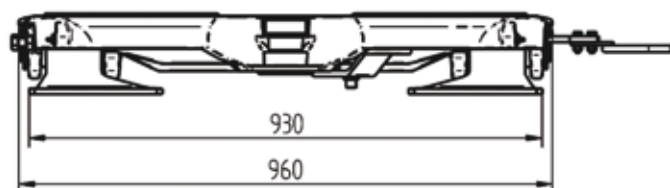
B = Piatto autolubrificante / Autolube plate

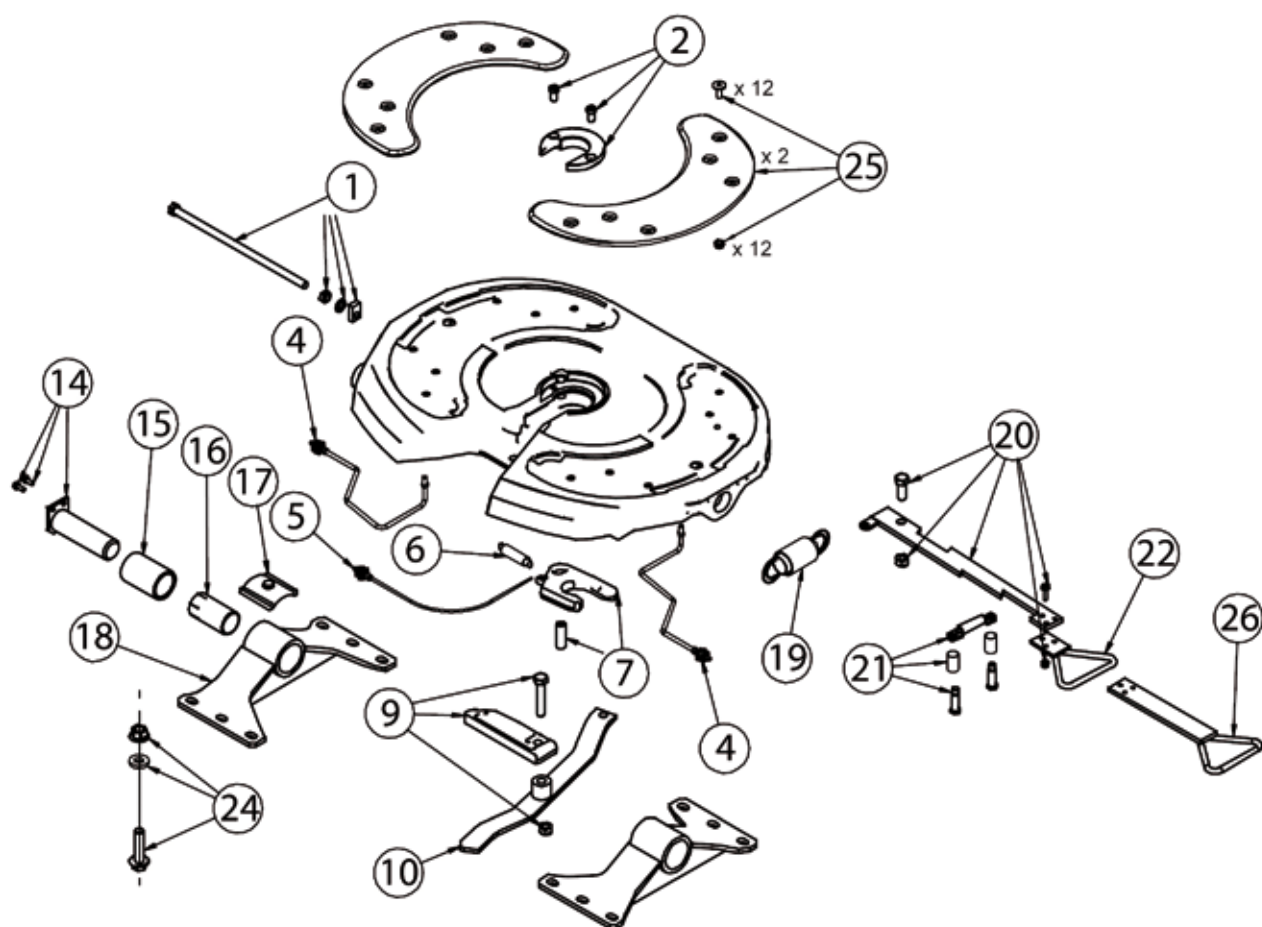
G = Piatto standard / Standard greasing plate

Kit complementari - Complementary kits

RR 00 083

Prolunga leva di apertura
Extension for action lever





POS.	Tutti i tipi All types	Codice - Part number							
		F2P1B10	F2P1B20	F2P1B30	F2P1B40	F2P1G10	F2P1G20	F2P1G30	F2P1G40
1	RR00054								
2	RR00055								
4						RR00056	RR00056	RR00056	RR00056
5	RR00057								
6	RR00058								
7	RR00059								
9	RR00060								
10	RR00061								
14	RR00062								
15	RR00063								
16	RR00064								
17	RR00065								
18		RR00069	RR00070	RR00071	RR00192	RR00069	RR00070	RR00071	RR00192
19	RR00037								
20	RR00078								
21	RR00048								
22	RR00079								
25		RR00279	RR00279	RR00279	RR00279				
KIT									
24	RR00050								
26	RR00083								
2-6-7	RR00082								
15-16-17	RR00084								



RP10 - S

Ralla su perni - appoggi a saldare

Fifth wheel with pivot bearings - weldable pedestal

2"

Omologazione - Homologation

CRN

Dati tecnici - Technical data

Codice Part number	Altezza H H-Height mm	Valore D D-Value kN	Carico verticale Imposed load Ton	Peso Weight kg	Omologazione Homologation
					CRN
F2S1B10	140	200	20	139	37747
F2S1B20	150	200	20	141	37747
F2S1B30	185	200	20	143	37747
F2S1G10	140	200	20	139	37747
F2S1G20	150	200	20	141	37747
F2S1G30	185	200	20	143	37747

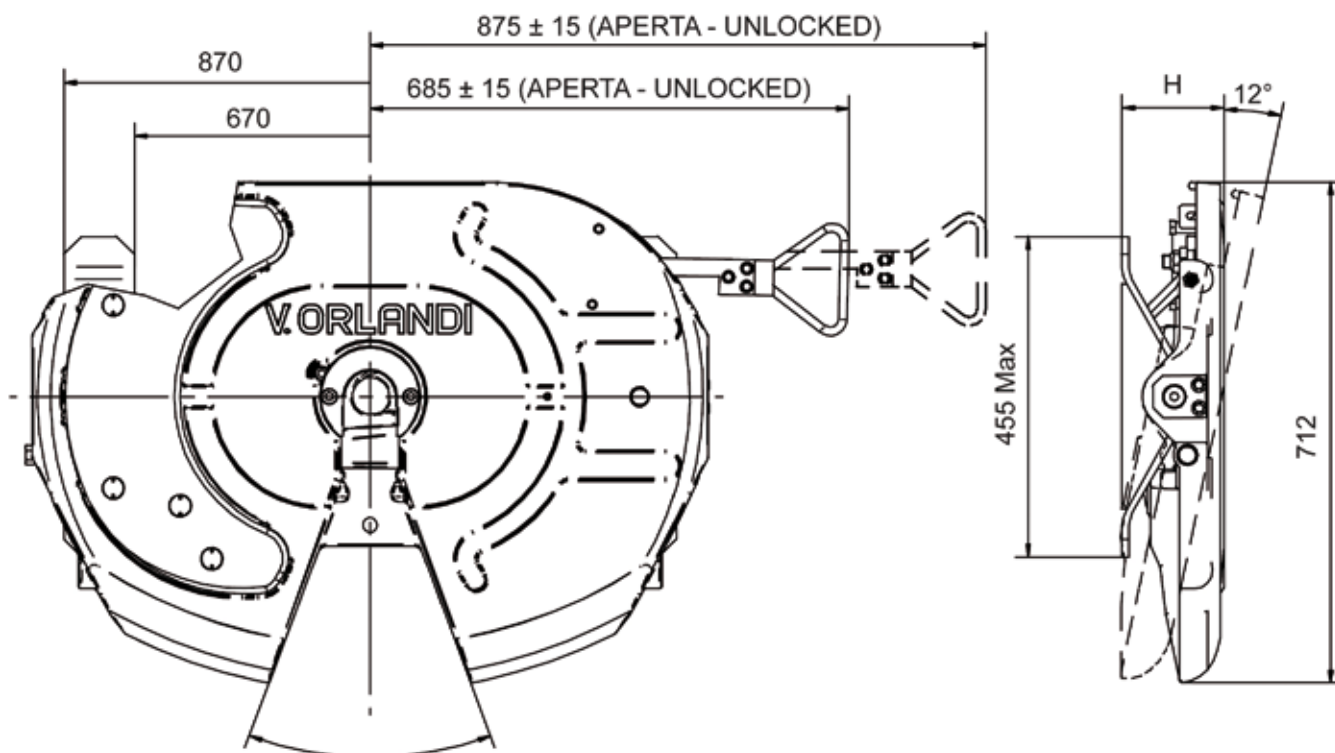
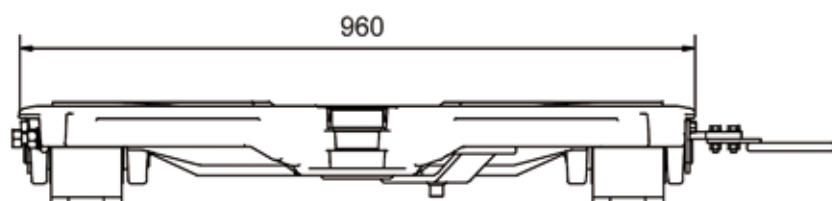
B = Piatto autolubrificante / Autolube plate

G = Piatto standard / Standard greasing plate

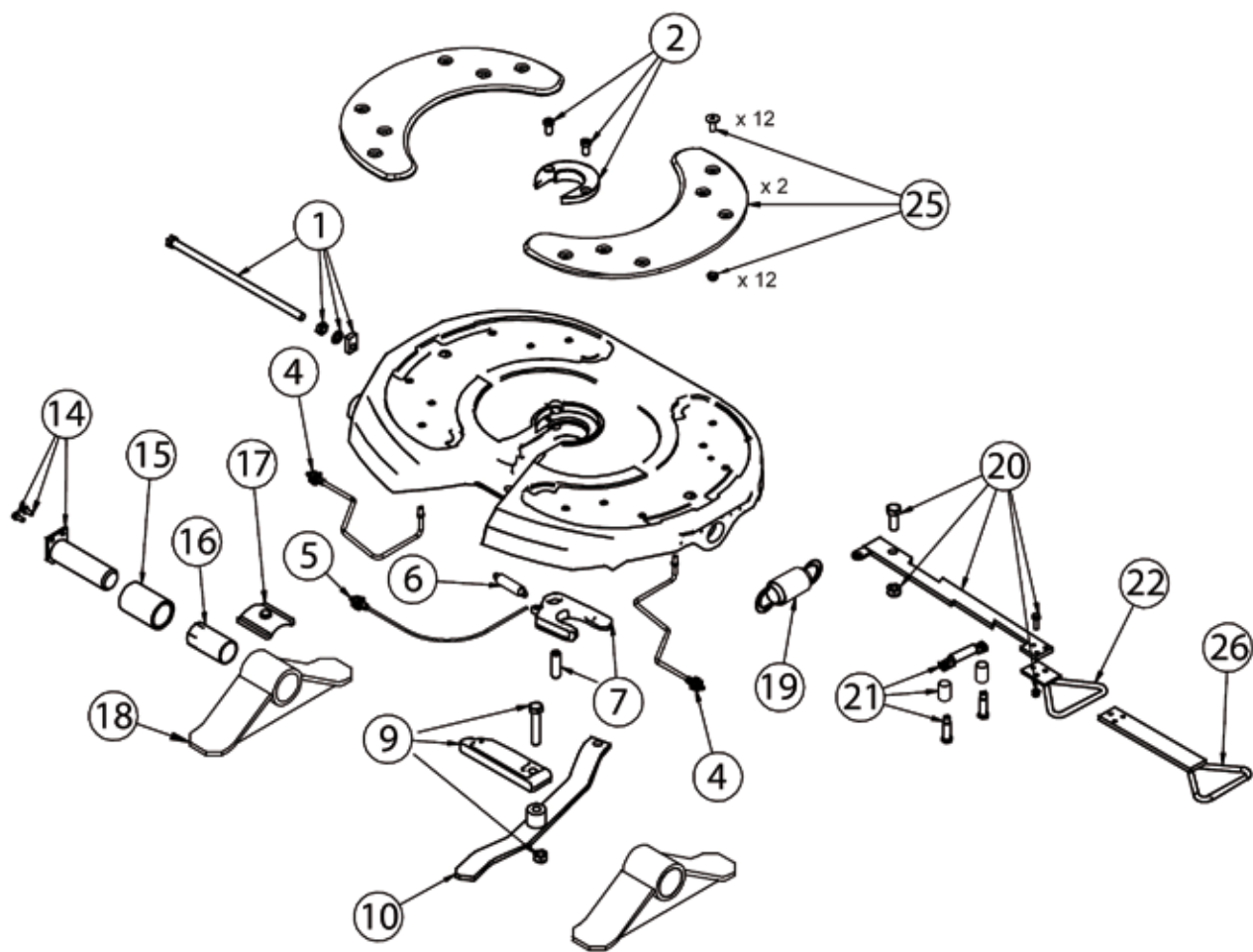
Kit complementari - Complementary kits

RR 00 083

Prolunga leva di apertura
Extension for action lever



1990 218 B



POS.	Tutti i tipi All types	Codice - Part number					
		F2S1B10	F2S1B20	F2S1B30	F2S1G10	F2S1G20	F2S1G30
1	RR00054						
2	RR00055						
4					RR00056	RR00056	RR00056
5	RR00057						
6	RR00058						
7	RR00059						
9	RR00060						
10	RR00061						
14	RR00062						
15	RR00063						
16	RR00064						
17	RR00065						
18		RR00066	RR00067	RR00068	RR00066	RR00067	RR00068
19	RR00037						
20	RR00078						
21	RR00048						
22	RR00079						
25		RR00279	RR00279	RR00279			
KIT							
26	RR00083						
2-6-7	RR00082						
15-16-17	RR00084						



RV10-T

Ralla su tamponi
Fifth wheel with rubber bearings

2"

Omologazione - Homologation

ECE R55-01

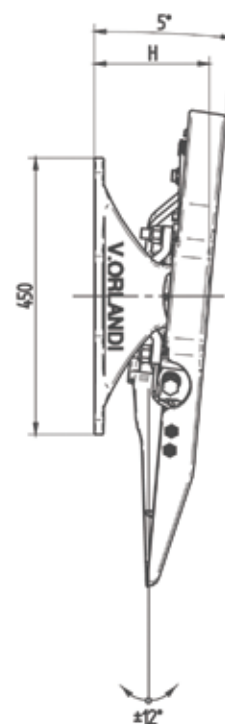
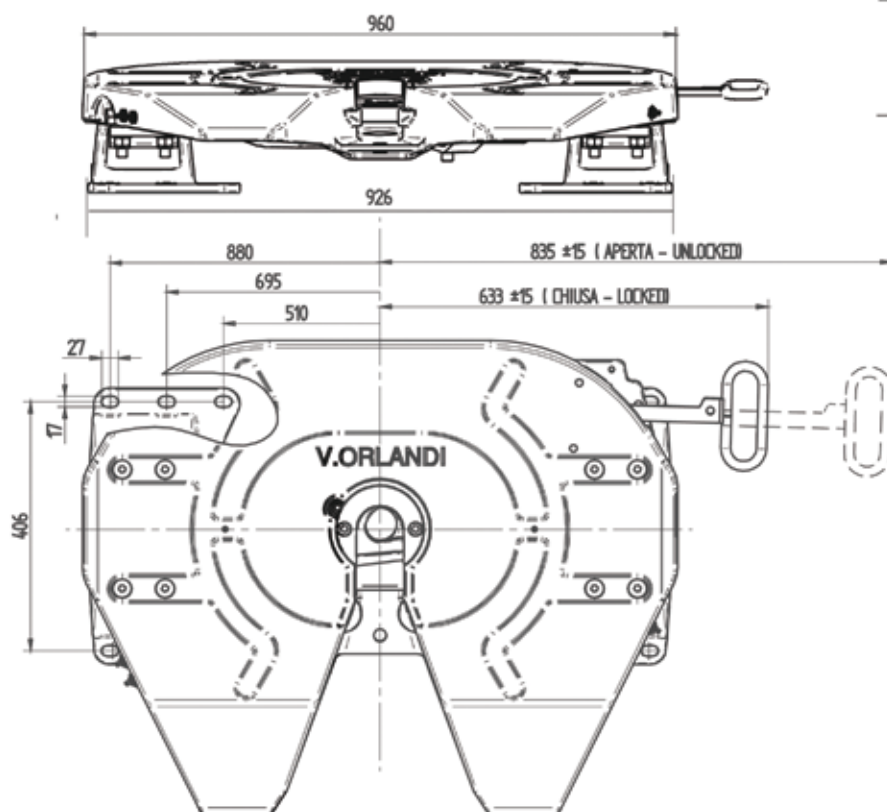
Dati tecnici - Technical data

Codice Part number	Altezza H H-Height mm	Valore D D-Value kN	Carico verticale Imposed load Ton	Peso Weight kg	Classe Class	Omologazione Homologation	
						ECE R55-01	CRN
F2T2G20V	150	200	22	147	G50-X	R55-01 10381	47626
F2T2G30V	185	200	22	151	G50-X	R55-01 10381	47626
F2T2G40V	250	200	22	164	G50-X	R55-01 10381	47626

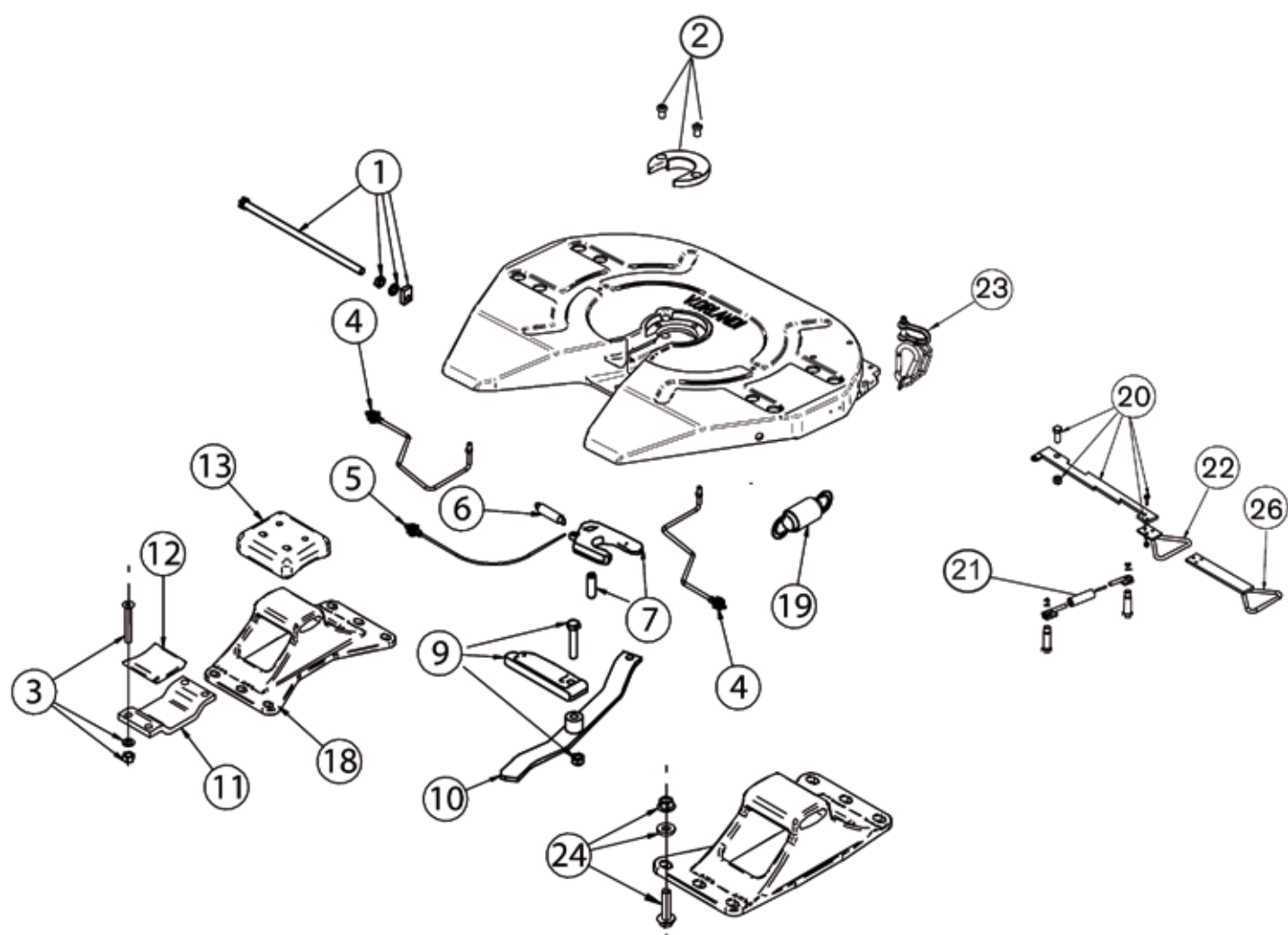
Kit complementari - Complementary kits

RR 00 083

Prolunga leva di apertura
Extension for action lever



1990 218 B



POS.	Tutti i tipi All types	Codice Part number		
		F2T2G20V	F2T2G30V	F2T2G40V
1	RR00271			
2	RR00055			
3	RR00019			
4	RR00272			
5	RR00273			
6	RR00058			
7	RR00089			
9	RR00090			
10	RR00274			
11	RR00007			
12	RR00006			
13	RR00005			
18		RR00072	RR00073	RR00275
19	RR00037			
20	RR00276			
21	RR00048			
22	RR00079			
23	RR00278			
KIT				
24	RR00050			
2-6-7	RR00277			
3-12-13	RR00031			
26	RR00083			



RP50 - T

Ralla su tamponi
Fifth wheel with rubber bearings

2"

Omologazione - Homologation

CRN

Dati tecnici - Technical data

Codice Part number	Altezza H H-Height mm	Valore D D-Value kN	Carico verticale Imposed load Ton	Peso Weight kg	Omologazione Homologation
					CRN
F2T2 B 20	150	200	22	149	47581
F2T2 B 30	185	200	22	152	47581
F2T2 G 20	150	200	22	149	47581
F2T2 G 30	185	200	22	152	47581

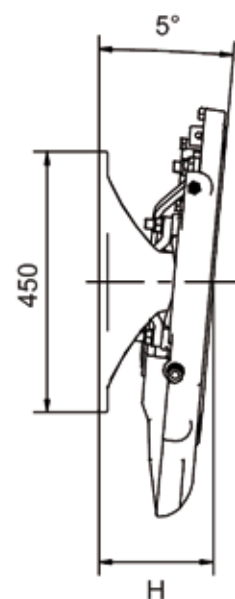
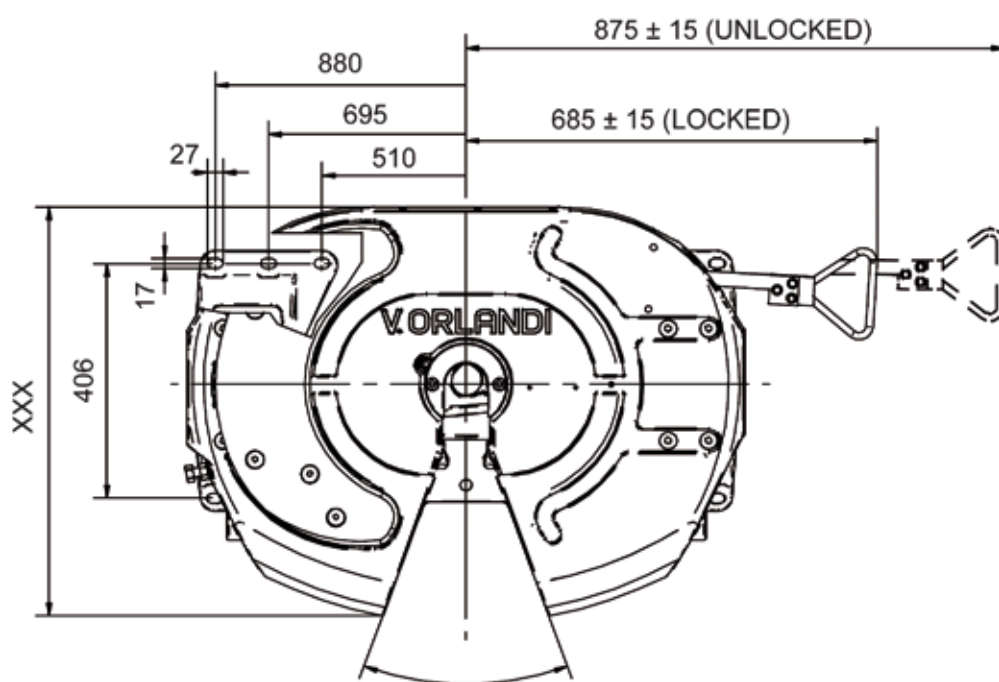
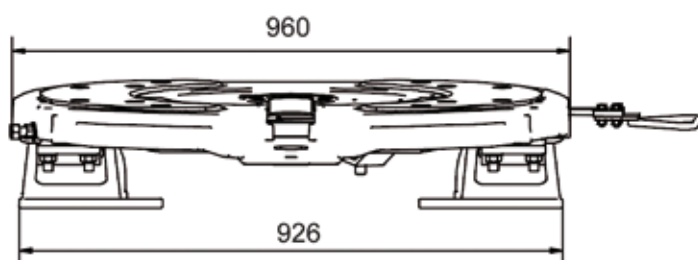
B = Piatto autolubrificante / Autolube plate

G = Piatto standard / Standard greasing plate

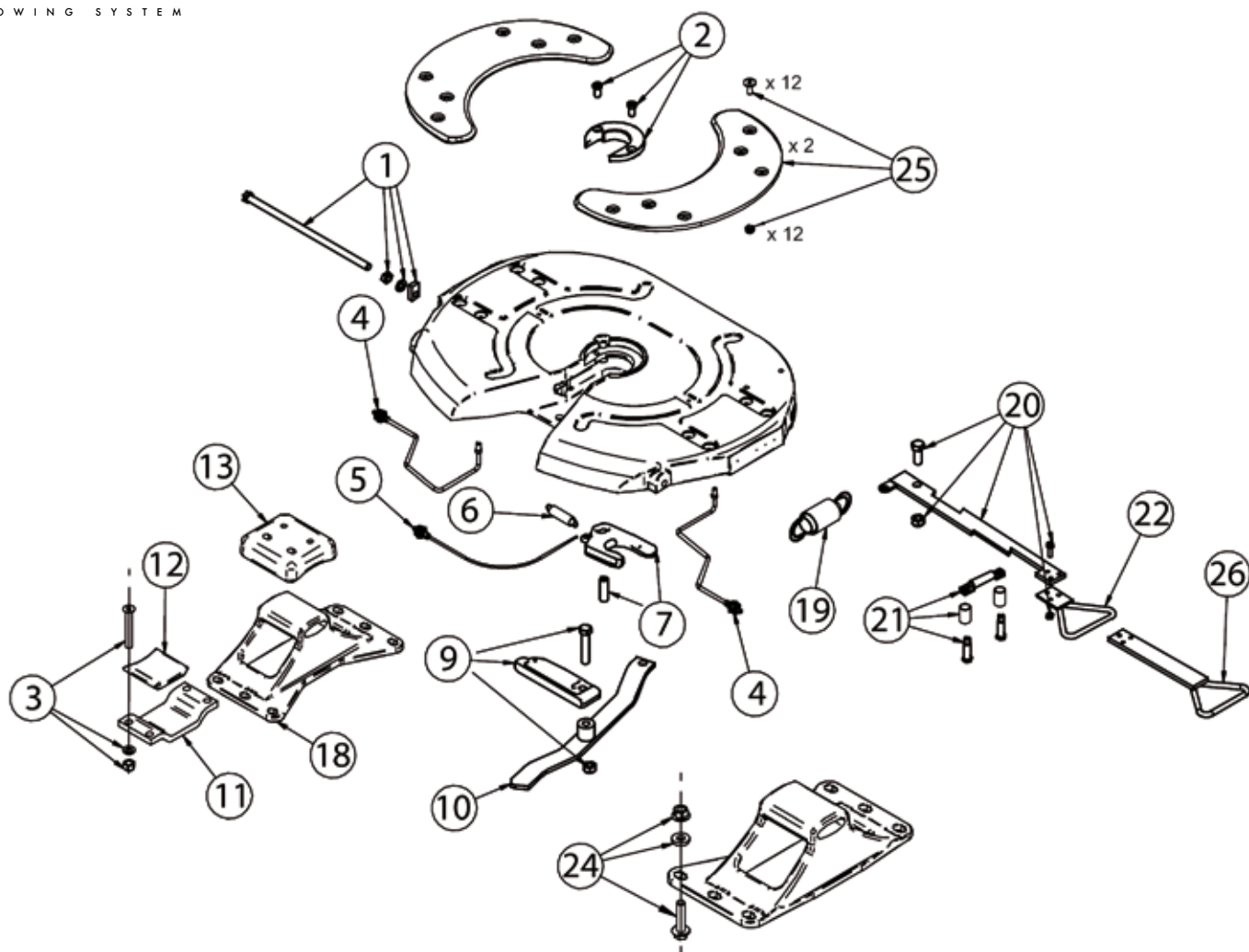
Kit complementari - Complementary kits

RR 00 083

Prolunga leva di apertura
Extension for action lever



1990 487 A



POS.	Tutti i tipi - All types	Codice - Part number			
		F2T2B20	F2T2B30	F2T2G20	F2T2G30
1	RR00054				
2	RR00055				
3	RR00019				
4				RR00056	RR00056
5	RR00057				
6	RR00058				
7	RR00059				
9	RR00060				
10	RR00061				
11	RR00007				
12	RR00006				
13	RR00005				
18		RR00072	RR00073	RR00072	RR00073
19	RR00037				
20	RR00078				
21	RR00048				
22	RR00079				
25		RR00279	RR00279		
KIT					
24	RR00050				
26	RR00083				
2-6-7	RR00082				
3-12-13	RR00031				



RP50 - TF

Ralla su tamponi apertura frontale
Front release fifth wheel with rubber bearings

2"

Omologazione - Homologation

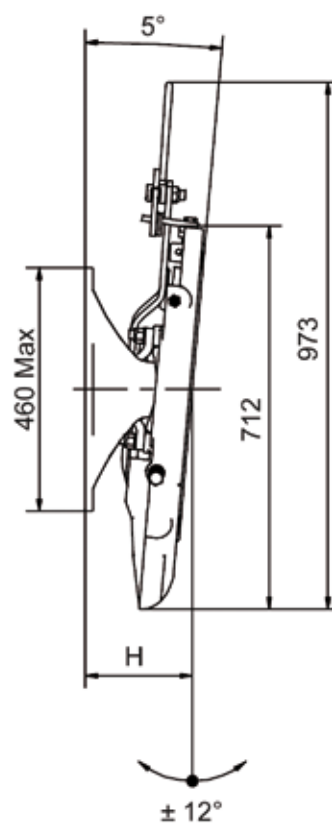
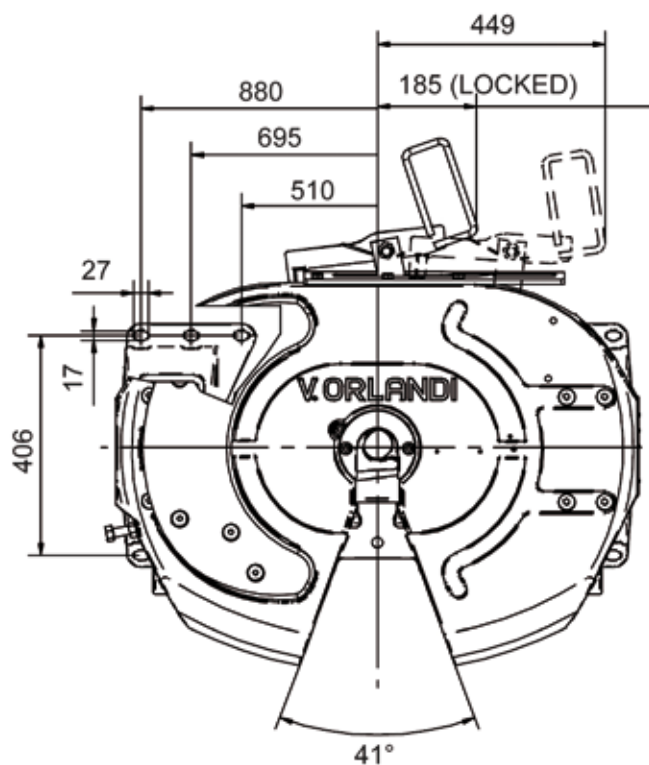
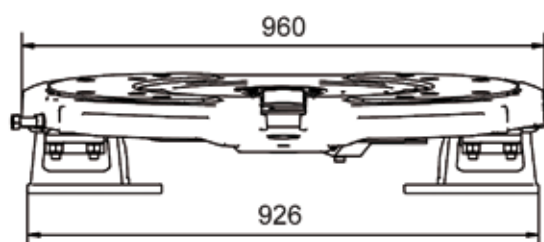
ECE R55-01

Dati tecnici - Technical data

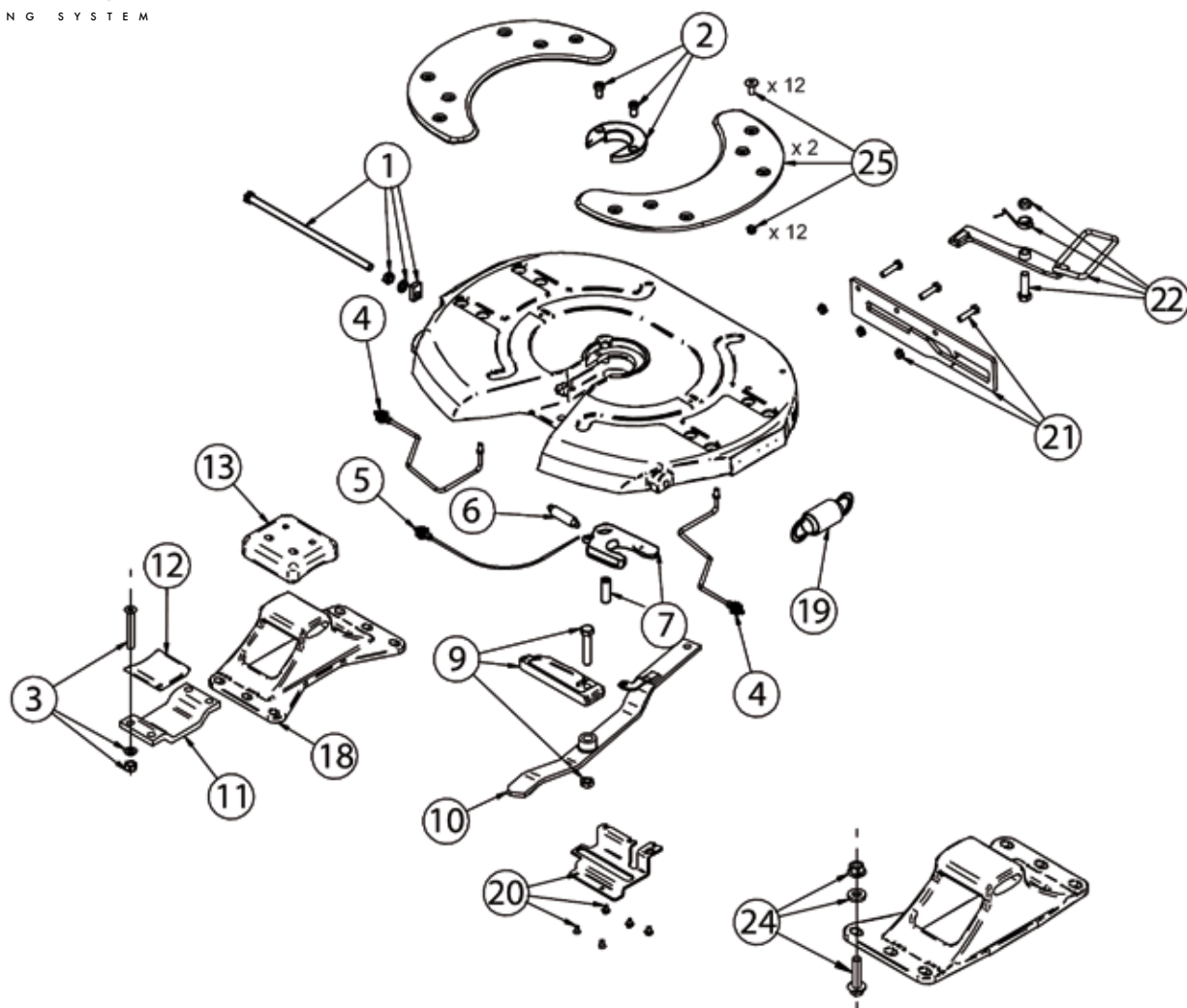
Codice Part number	Altezza H H-Height mm	Valore D D-Value kN	Carico verticale Imposed load Ton	Peso Weight kg	Omologazione Homologation
					CRN
F2T2B2F	150	200	22	149	47581
F2T2B3F	185	200	22	152	47581
F2T2G2F	150	200	22	149	47581
F2T2G3F	185	200	22	152	47581

B = Piatto autolubrificante / Autolube plate

G = Piatto standard / Standard greasing plate



1990 503 A



POS.	Tutti i tipi - All types	Codice - Part number			
		F2T2B2F	F2T2B3F	F2T2G2F	F2T2G3F
1	RR00054				
2	RR00055				
3	RR00019				
4				RR00056	RR00056
5	RR00057				
6	RR00058				
7	RR00059				
9	RR00193				
10	RR00194				
11	RR00007				
12	RR00006				
13	RR00005				
18		RR00072	RR00073	RR00072	RR00073
19	RR00037				
20	RR00195				
21	RR00196				
22	RR00197				
25		RR00279	RR00279		
KIT					
24	RR00050				
2-6-7	RR00082				
3-12-13	RR00031				
9-10-20-21-22	RR00124				



RP90 - T

Ralla su tamponi
Fifth wheel with rubber bearings

2"/3,5"

Omologazione - Homologation

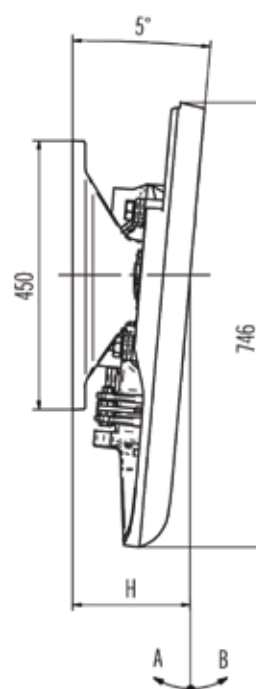
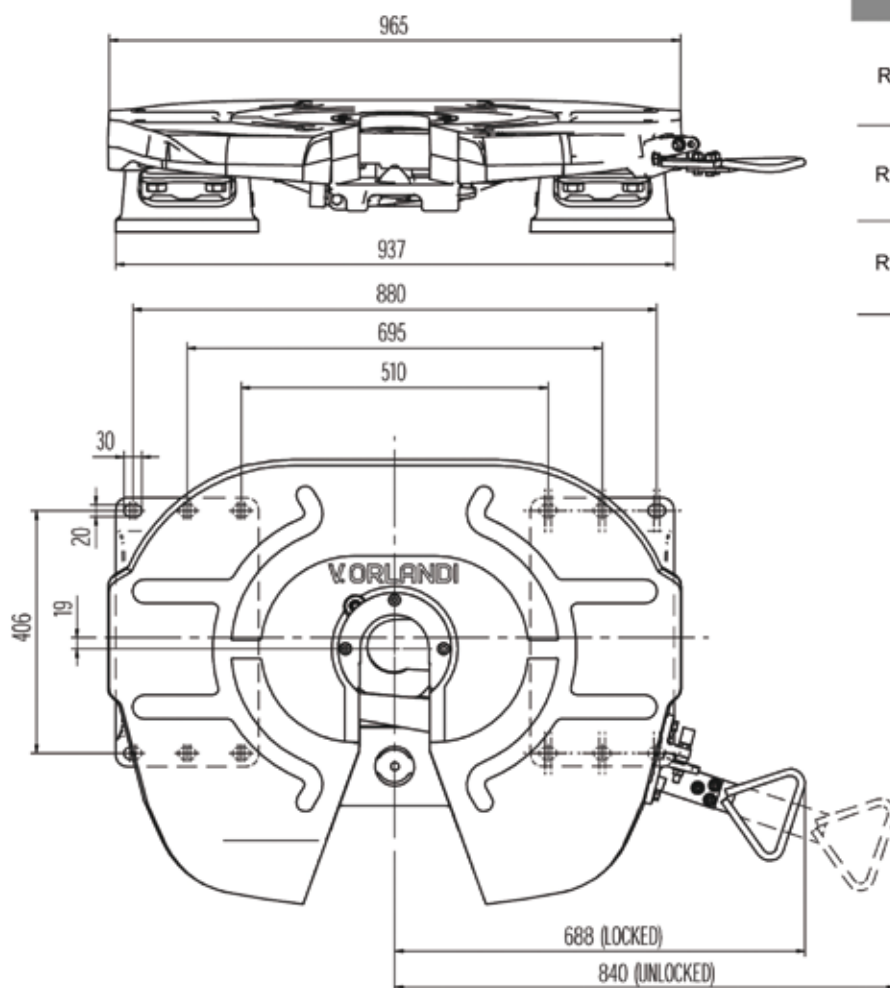
ECE R55-01

Dati tecnici - Technical data

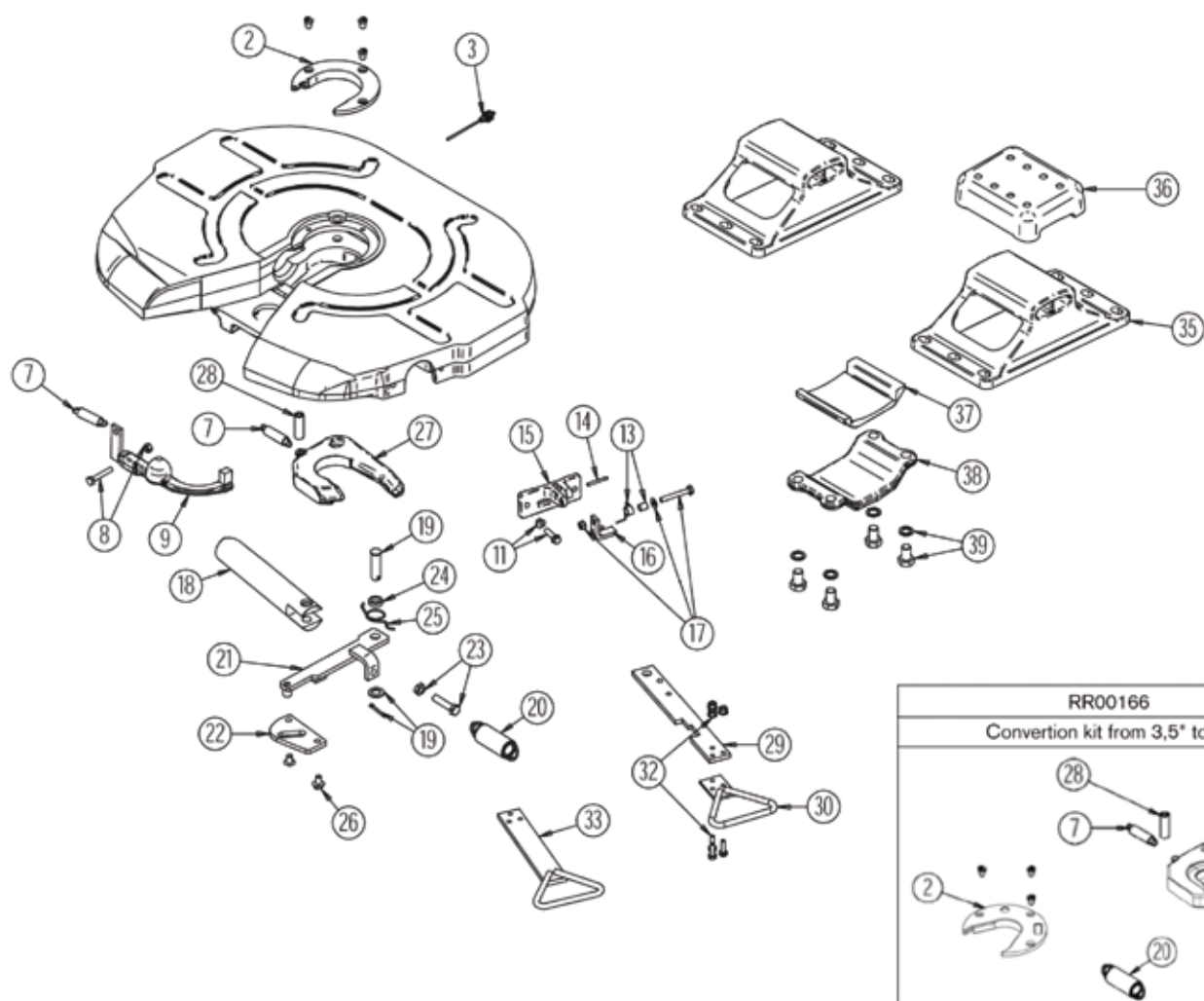
Codice Part number	KP	Altezza H H-Height mm	A	B	Valore D D-Value D-Wert kN	Carico verticale U Vertical load U Ton	Peso Weight kg	Omologazione Homologation	
								Classe Class	ECE R55-01
F2T3G40	2"	190	12°	15°	170	24	200	G50-X	55R-01 2688
F2T3G50	2"	250	15°	15°	170	24	215	G50-X	55R-01 2688
F3T3G40	3,5"	190	12°	15°	260	40	200	S	55R-01 2568
F3T3G50	3,5"	250	15°	15°	260	40	215	S	55R-01 2568

Kit complementari - Complementary kits

RR 00 083	Prolunga leva di apertura Extention for action lever
RR 00 166	Kit di conversione da 3,5" a 2" Conversion kit from 3,5" to 2"
RR 00 159	Kit di conversione da 2" a 3,5" Conversion kit from 2" to 3,5"



1990 433 A



POS.	Tutti i tipi - All types
1	RR00125
2	RR00126
3	RR00127
7	RR00129
8	RR00130
9	RR00131
11	RR00132
13	RR00133
14	RR00134
15	RR00135
16	RR00136
17	RR00137
18	RR00138
19	RR00139
20	RR00140
21	RR00141
22	RR00142

POS.	Tutti i tipi - All types	Codice - Part number			
		F2T1G40	F2T1G50	F3T1G40	F3T1G50
23	RR00143				
24	RR00144				
25	RR00145				
26	RR00146				
27	RR00147				
28	RR00148				
29	RR00149				
30	RR00079				
32	RR00151				
35		RR00152	RR00153	RR00152	RR00153
36	RR00154				
37	RR00155				
38	RR00156				
39	RR00157				
KIT					
1,2,7,20,27,28		RR00159	RR00159	RR00166	RR00166
1,2,3,7,20,27,28		RR00167	RR00167	RR00160	RR00160
36,37,38	RR00161				
1,2,7,27		RR00168	RR00168	RR00162	RR00162
33		RR00083	RR00083	RR00163	RR00163



RP100 - DO

Ralla doppia oscillazione
Double oscillating fifth wheel

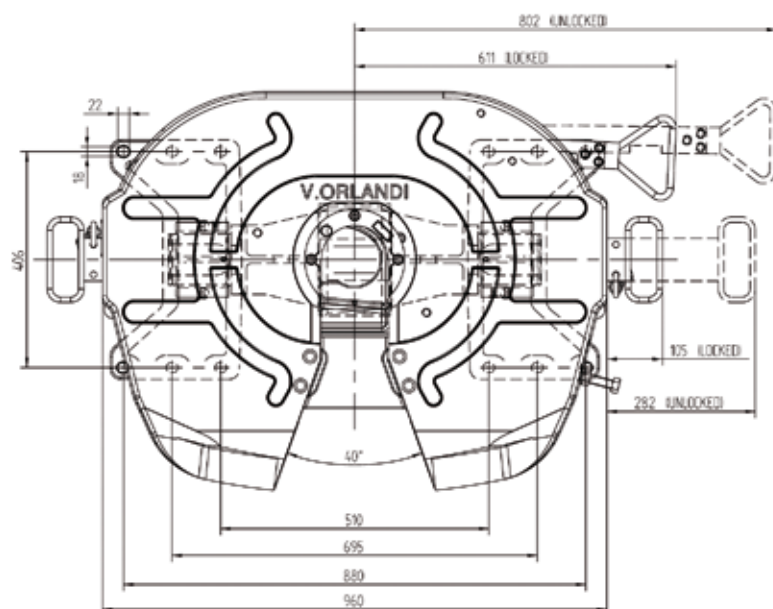
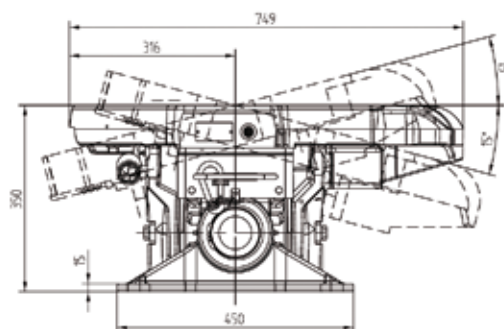
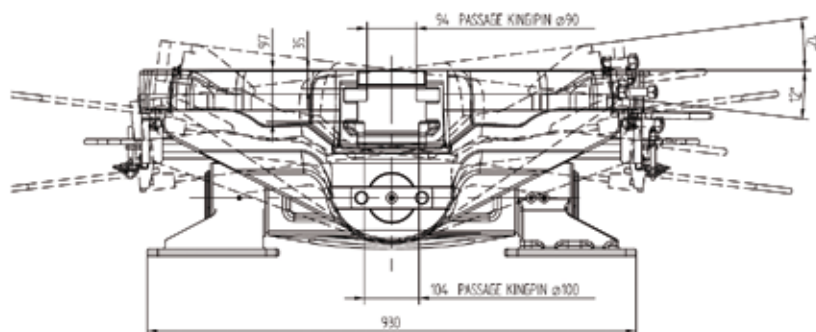
3,5"/4"

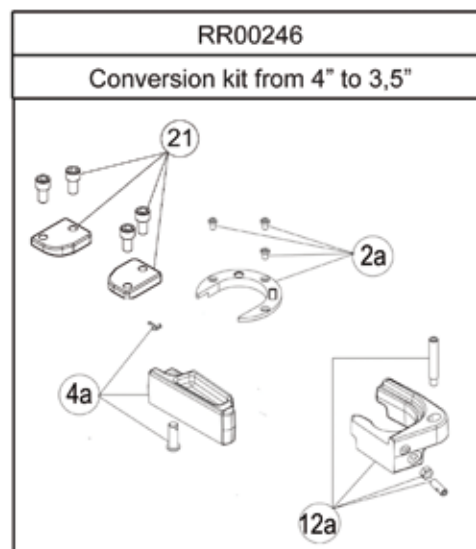
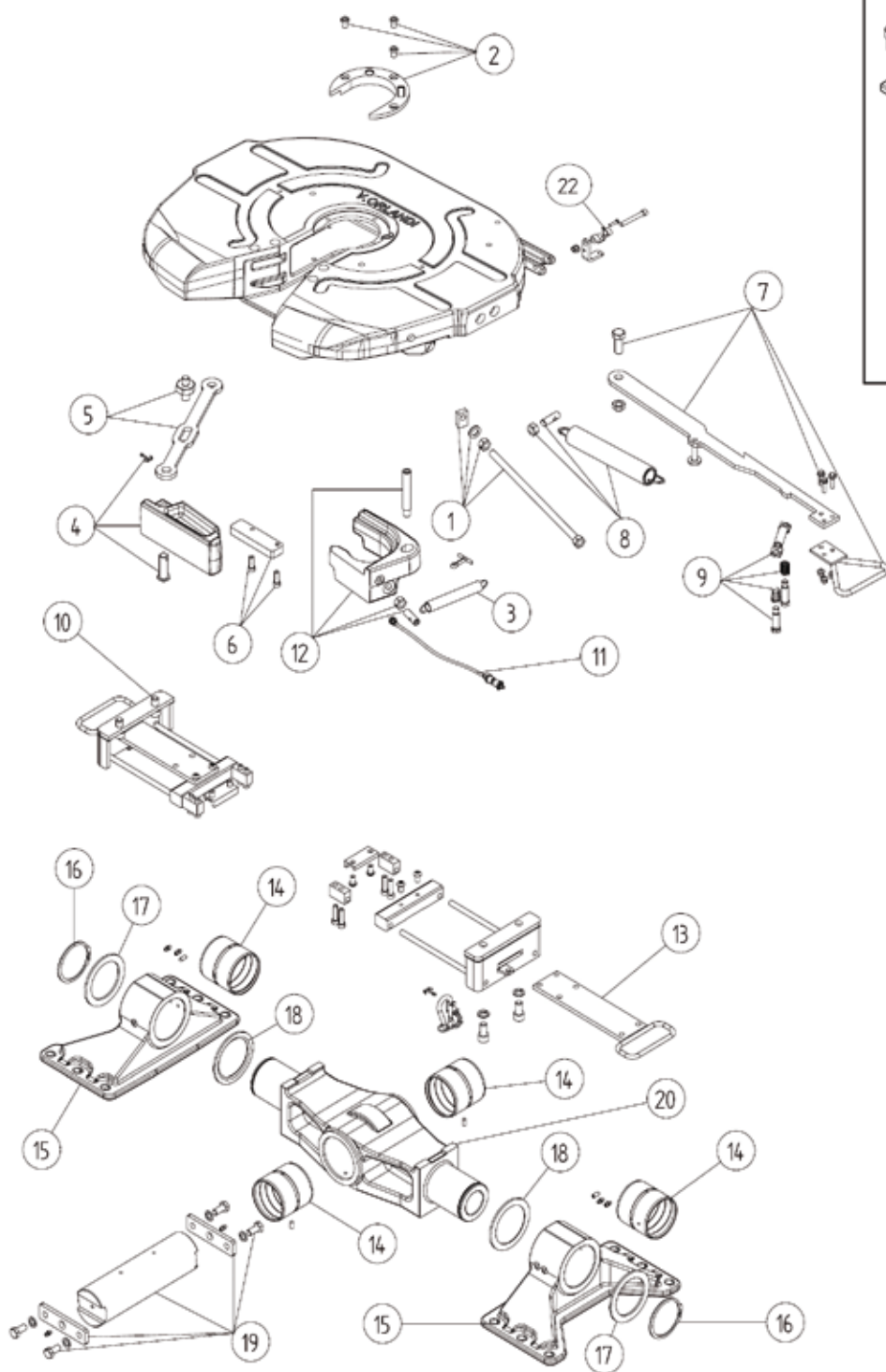
Omologazione - Homologation

ECE R55-01

Dati tecnici - Technical data

Codice Part number	KP	Altezza H H-Height mm	Valore D D-Value kN	Carico verticale U Vertical load U Ton	Peso Weight kg	Omologazione Homologation	
						Classe Class	ECE R55-01
F3C1G70	3,5"	350	260	40	362	G50-X	55R-01 3511
F4C1G70	4"	350	260	40	362	G50-X	55R-01 3492





POS.	Tutti i tipi All types	F3C1G70
1	RR00054	
2	RR00226	RR00247
3	RR00058	
4	RR00228	RR00248
5	RR00229	
6	RR00230	
7	RR00231	
8	RR00232	
9	RR00048	
10	RR00234	
11	RR00235	
12	RR00236	RR00249
13	RR00237	
14	RR00238	
15	RR00239	
16	RR00240	
17	RR00240	
18	RR00242	
19	RR00243	
20	RR00244	
21	RR00253	
22	RR00263	
kit		
2a+4a+12a+21	RR00246	



FDH

Ralla doppia altezza
Height-adjustable fifth wheel

2"

Omologazione - Homologation

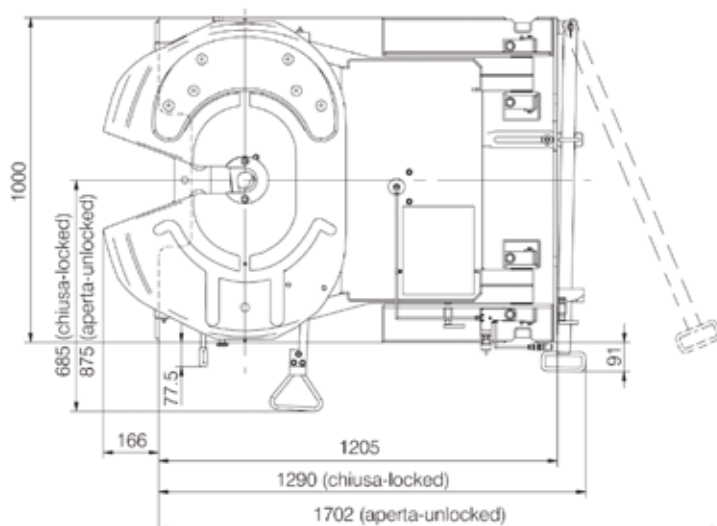
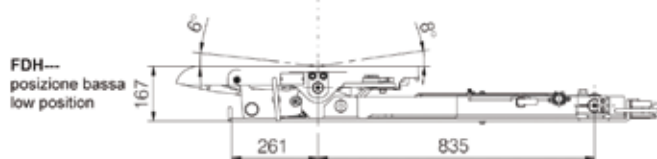
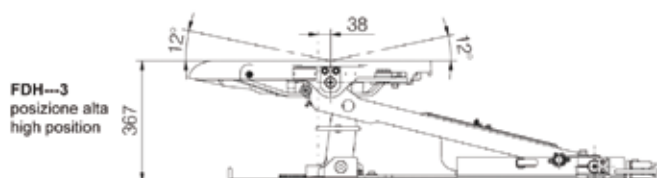
ECE R55-01

Dati tecnici - Technical data

Codice Part number	Altezza H H-Height mm	Carico verticale U Vertical load U Ton	Valore D D-Value kN	Peso Weight kg	Dimensioni Dimensions mm	Omologazione Homologation	
						Classe Class	ECE R55-01
FDHG001 FDHB001	167 - 267	18	120	341	1205 x 1000	S	R55-01 2741
FDHG002 FDHB002	167 - 317	18	120	344	1205 x 1000	S	R55-01 2741
FDHG003 FDHB003	167 - 367	18	120	346	1205 x 1000	S	R55-01 2741

B = Piatto autolubrificante / Autolube plate

G = Piatto standard / Standard greasing plate



Crea il tuo codice
Create your part number:

	FDH	G	00	1
Ralla doppia altezza Height-adjustable fifth wheel				
Versione piatto ralla Plate version				
Tipo di foratura Type of drilling				
Altezza Height				

Versione piatto ralla - Plate version

G = Ralla con lubrificazione standard
Standard greasing plate

B = Piatto autolubrificante
Autolube plate

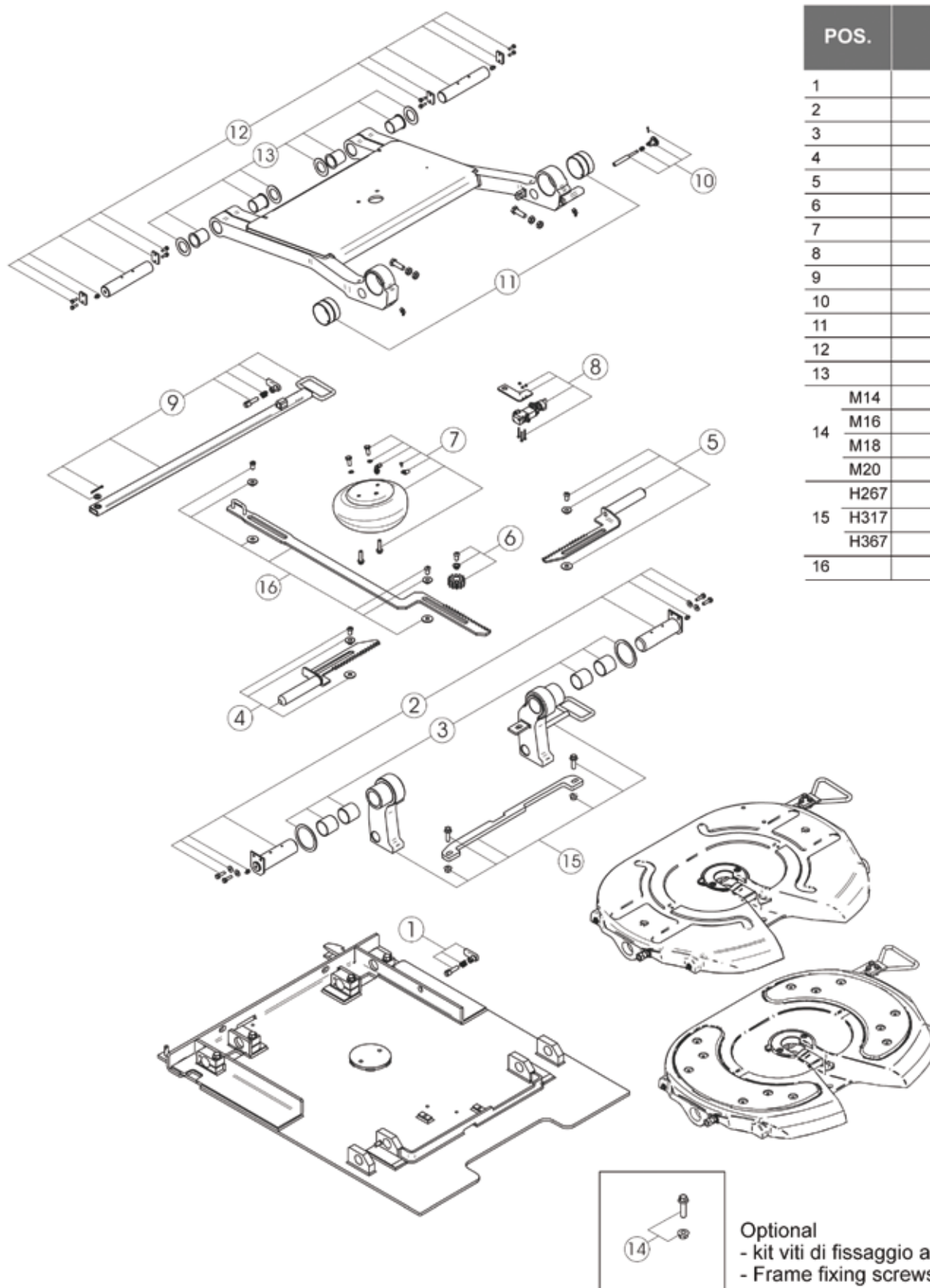
Tipo di foratura - Type of drilling

00 = standard (non forata - not drilled)
01 = Daimler
02 = Iveco
03 = Scania
04 = Volvo
05 = Man
06 = Renault
07 = Daf
08 = Mercedes new Actros

Altezza - Height

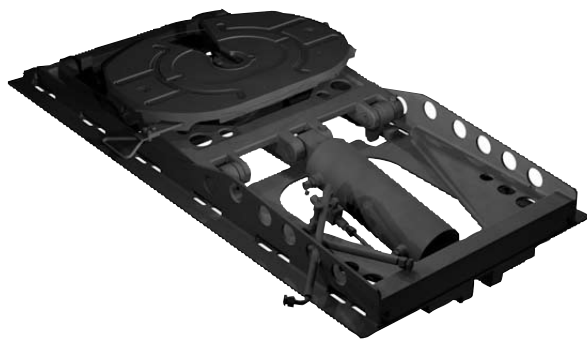
1 = 267
2 = 317
3 = 367

1990 464 A



POS.	Tutti i tipi All types
1	RR00186
2	RR00187
3	RR00171
4	RR00172
5	RR00173
6	RR00174
7	RR00175
8	RR00176
9	RR00177
10	RR00178
11	RR00179
12	RR00180
13	RR00181
14	M14 RR00182
	M16 RR00183
	M18 RR00184
	M20 RR00185
15	H267 RR00188
	H317 RR00189
	H367 RR00190
16	RR00191

Optional
- kit viti di fissaggio al telaio
- Frame fixing screws kit



FPX

Ralla sollevatrice
Lifting fifth wheel

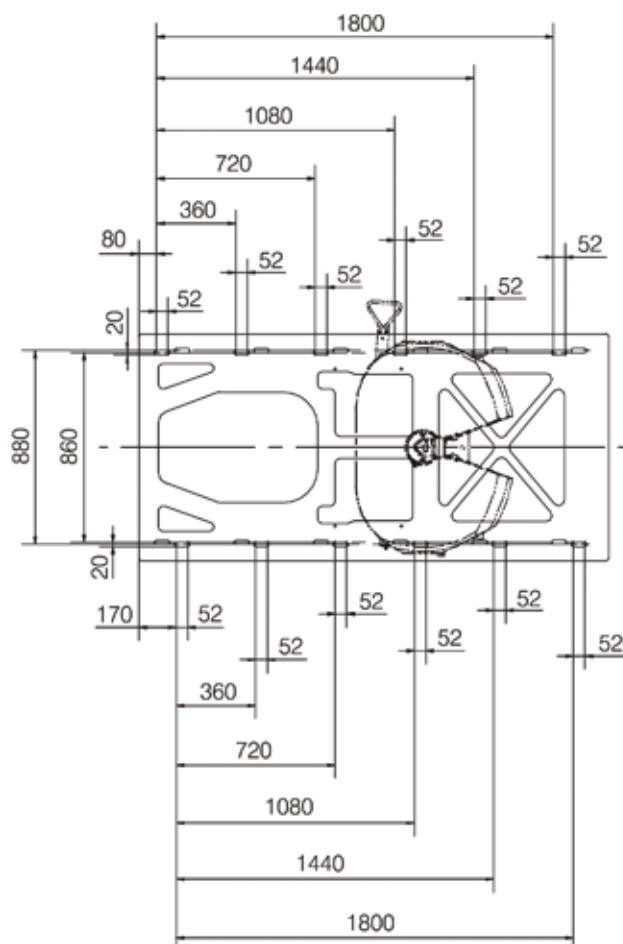
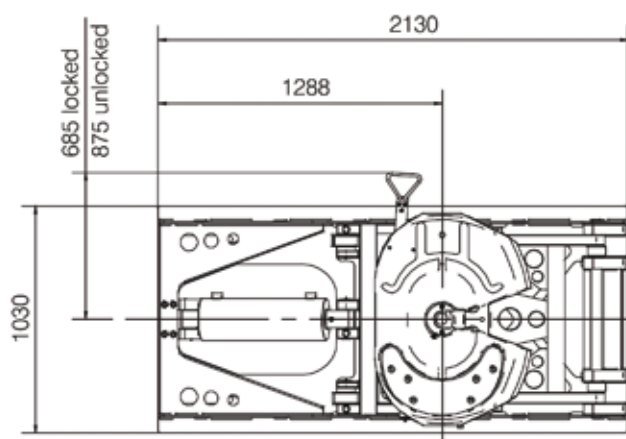
2"	Omologazione - Homologation	-
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Dati tecnici - Technical data

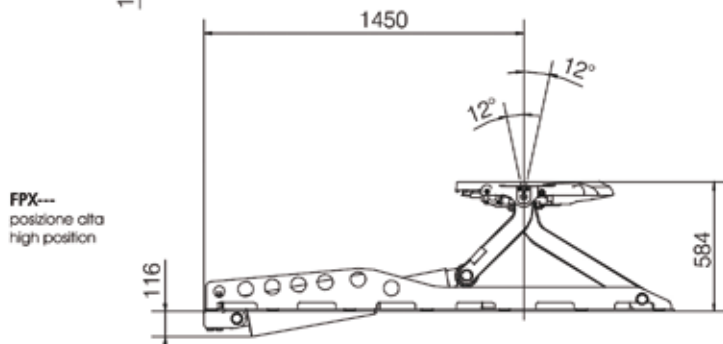
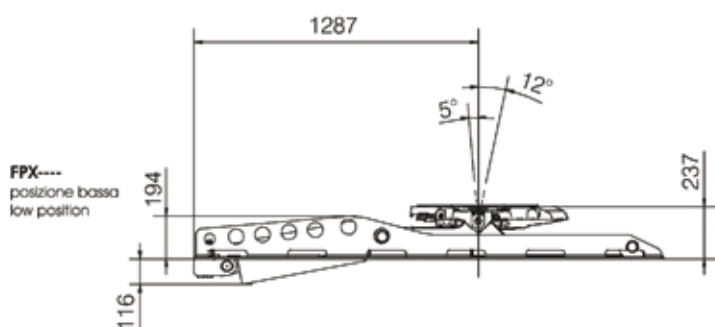
Codice Article number	Carico sollevabile Lifting capacity Ton	Peso Weight kg	Larghezza telaio Width of chassis mm	Dimensioni Dimensions mm
F2PX G 00	22	658	780 - 930	2130 x 1030
F2PX B 00	22	658	780 - 930	2130 x 1030

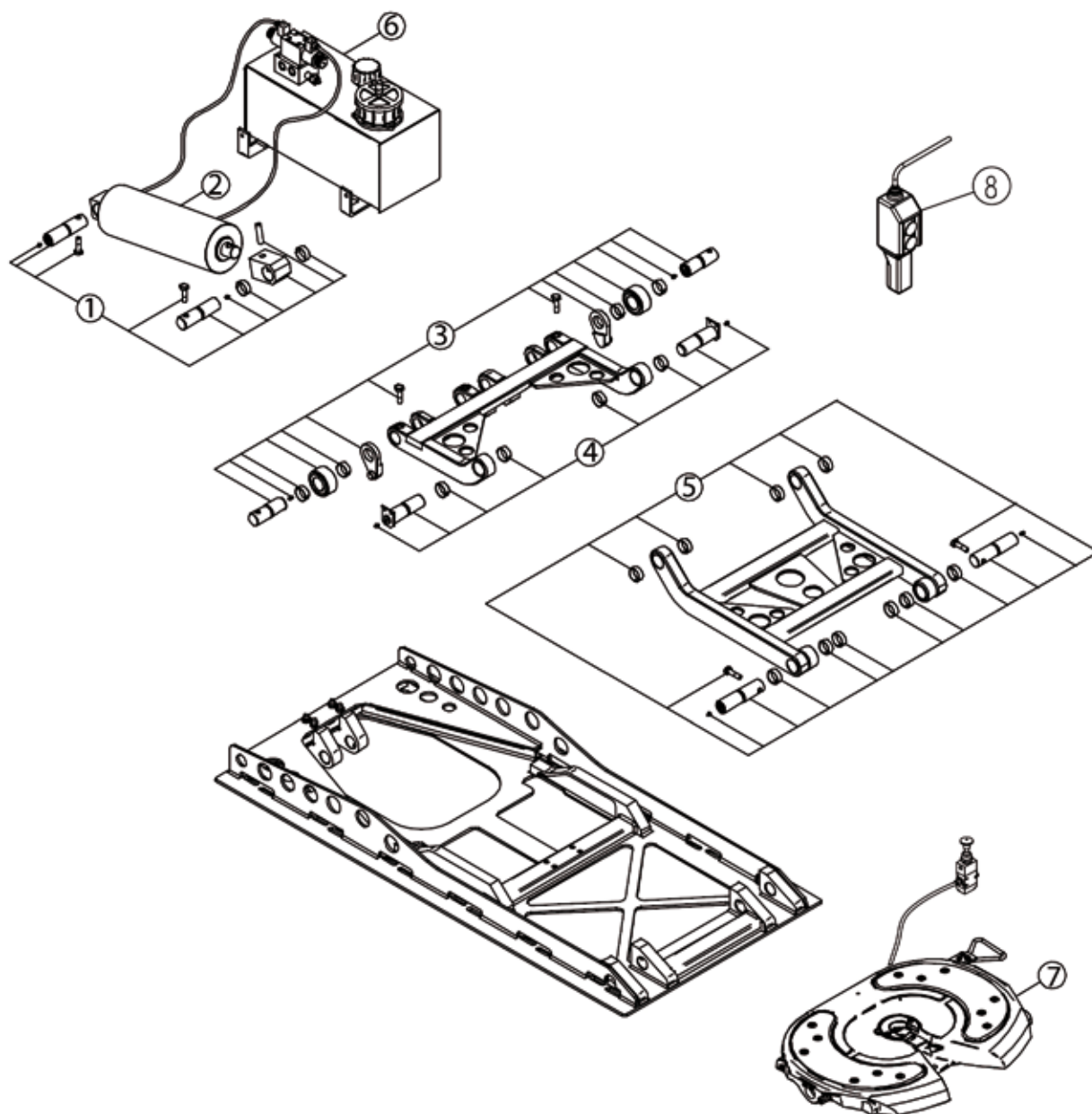
B = Piatto autolubrificante / Autolube plate
G = Piatto standard / Standard greasing plate

ATTENZIONE - ATTENTION
la ralla FPX non è omologata per impiego su strada pubblica
The FPX fifth wheel is not homologated to be used on public roads



1990 482 A

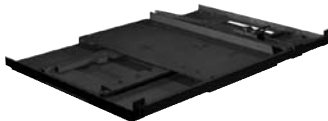




POS.	Tutti i tipi - All types
1	RR00198
2	RR00199
3	RR00200
4	RR00201
5	RR00202
6	RR00203
7	F2PXG0P
8	RR00250

Ralla a sfera assemblata - Piastre avanzamento ralla
Ralle a sfera - Piastre di montaggio
Ballrace assembly - Sliders - Ball races - Mounting plates

INDICE - INDEX

Serie Series	Omologazione Homologation	Descrizione Description	Per ralle da: To suit fifth wheel:	Pagina Page
BRA - S/D 	ECE R55-01	Ralla a sfera assemblata Ball race assembly	2"/3,5"	61
FSL 	ECE R55-01	Piastre di avanzamento ralla Fifth wheel slider	2"	62
FSH 	ECE R55-01	Piastre di avanzamento ralla HD Fifth wheel slider HD	2"/3,5"	64
RSS/RSD 	-	Ralle a sfera Ball races	-	66
MP 	ECE R55-01	Piastre di montaggio Mounting plates	2"/3,5"	68



BRA - S/D

Ralla a sfera assemblata
Ball race assembled

2"/3,5"

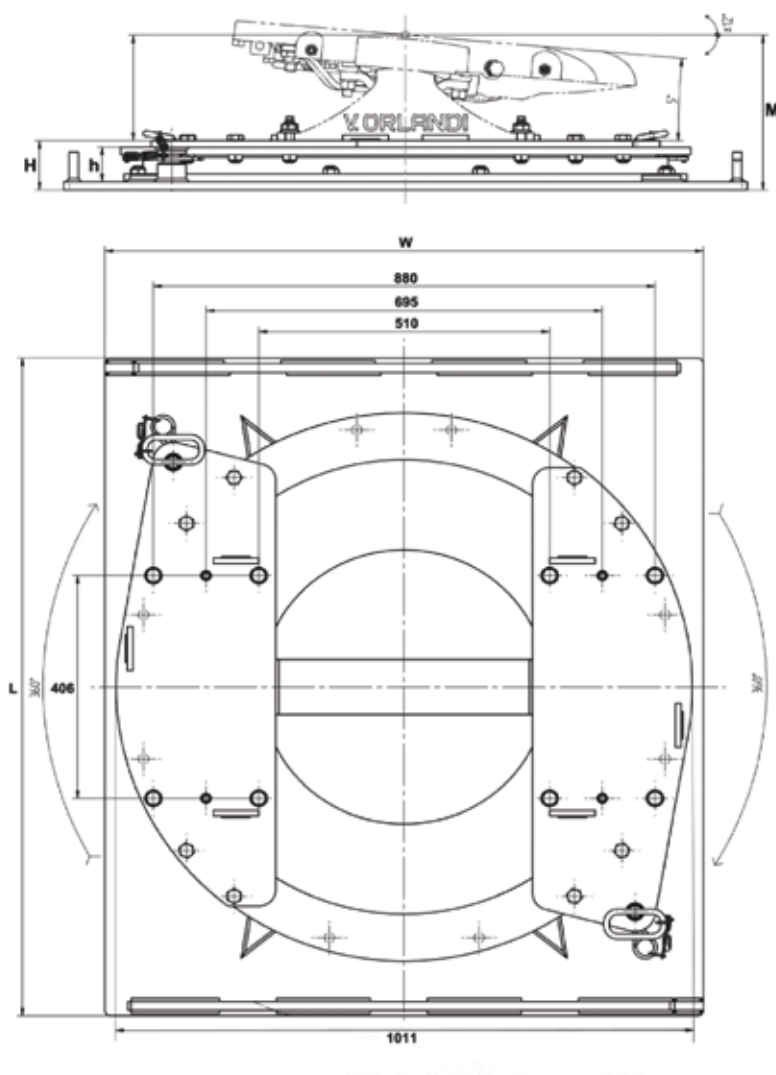
Omologazione - Homologation

ECE R55-01

Dati tecnici - Technical data

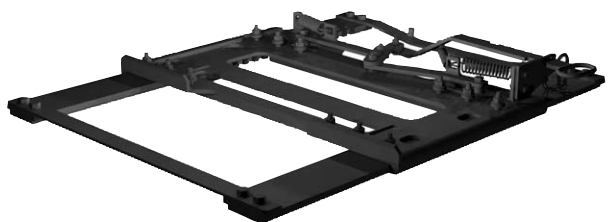
Codice Part number	Altezza H H-Height mm	Valore D D-Value kN	Carico verticale U Vertical load U Ton	Peso Weight kg	Omologazione Homologation
					ECE R55-01
B2TS000	91	162	15	252	55R - 01 10047
B2TD000	120	190	20	315	55R - 01 10048

Ralla non inclusa - Fifth wheel not included



Code	Ballrace	L (mm)	W (mm)	H (mm)	h (mm)	vertical imposed load (t)	M max (mm)
B2TS000	RSG1510T	1200	1050	91	63	15	280
B2TD000	RHG2211T	1300	1100	120	92	20	310

1990513A



FSL

Piastre di avanzamento ralla
Fifth wheel slider

2''

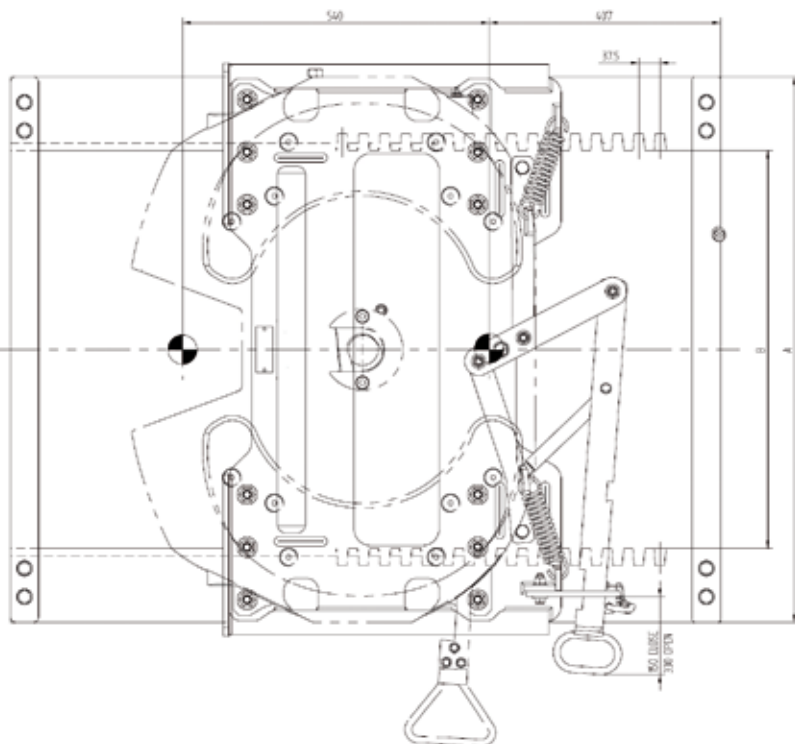
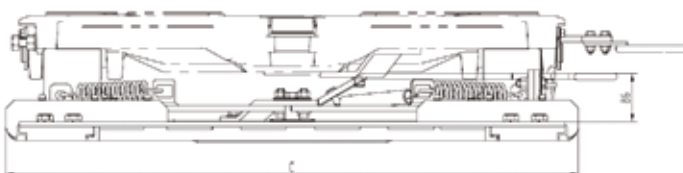
Omologazione - Homologation

ECE R55-01

Dati tecnici - Technical data

Codice Part number	Carico verticale U Vertical load U Ton	Valore D D-Value kN	Peso Weight kg	Larghezza telaio Width of chassis mm	Dimensioni Dimensions mm	Classe Class	Omologazione Homologation ECE R55-01
FSL0000	20	152	120	780 - 900	1250 x 960	S	R55-01 10054
FSL1000	20	152	126	930	1250 x 1060	S	R55-01 10054

La versione standard non prevede fori per fissaggio al telaio - Standard version NOT drilled
Ralla non inclusa - Fifth wheel NOT included



Crea il tuo codice
Create your part number:

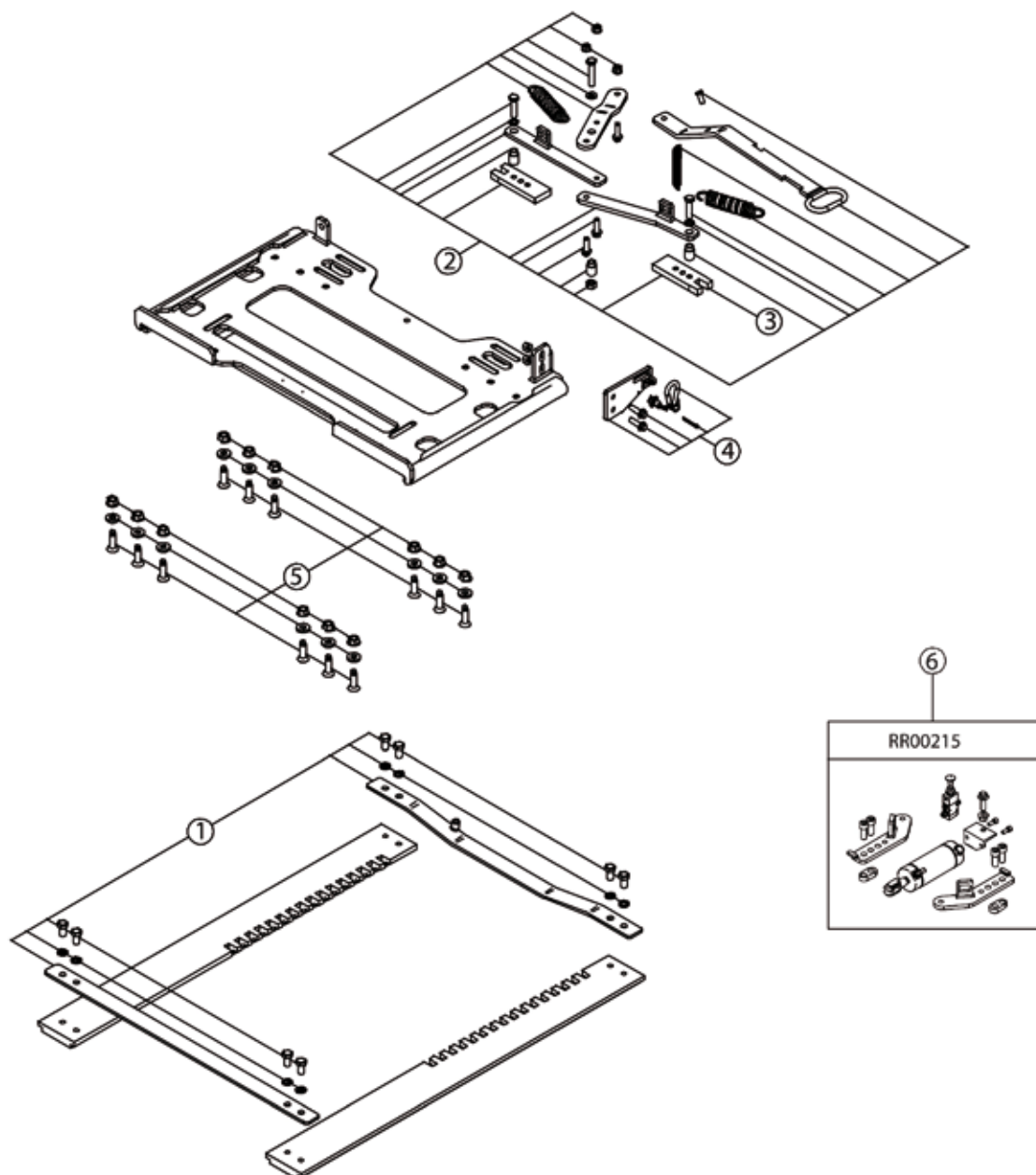
FSL	0	0	0	0
Piastre di avanzamento ralla Fifth wheel slider				
Larghezza telaio - Width of chassis				
Tipo di foratura - Type of drilling				
Tipo di apertura - Type of opening				

Larghezza telaio - Width of chassis
0 = 780 - 900
1 = 930

Tipo di foratura - Type of drilling
00 = standard (non forata - not drilled)
01 = Daimler
02 = Iveco
03 = Scania
04 = Volvo
05 = Man
06 = Renault
07 = Daf
08 = Mercedes new Actros

Tipo di apertura - Type of opening
0 = manuale - Manual
1 = kit pneumatico - Pneumatic remote opening

1990 479B



POS.	Tutti i tipi - All types	Codice - Part number	
		FSL0000	FSL1000
1		RR00204	RR00205
2	RR00206		
3	RR00207		
4	RR00208		
5	RR00209		
6	RR00215		



FSH

Piastre di avanzamento ralla heavy duty
Fifth wheel slider HD

2''

Omologazione - Homologation

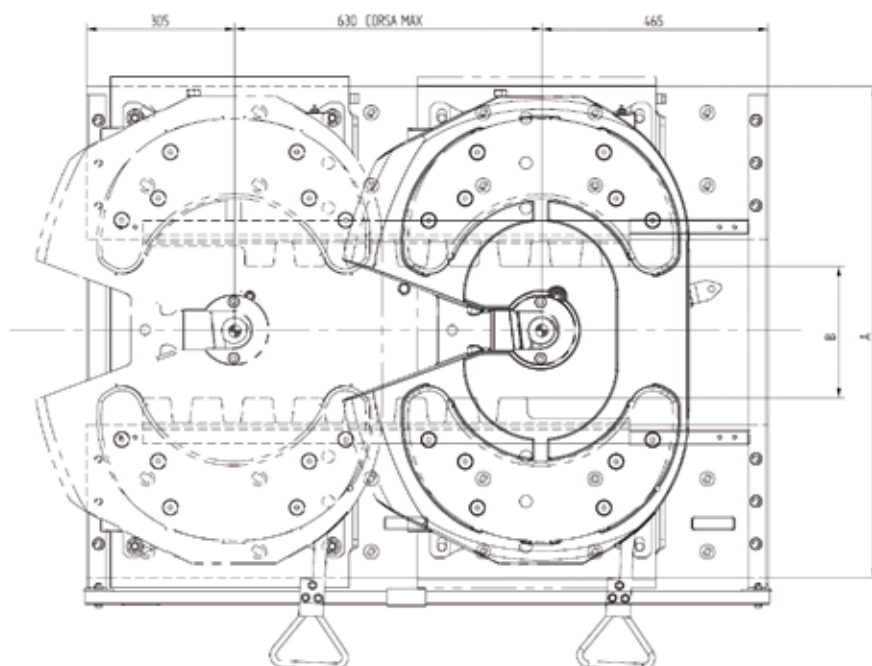
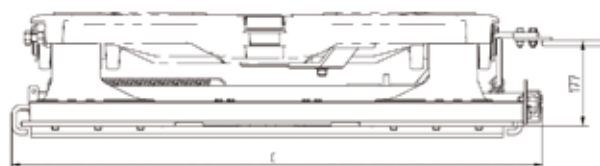
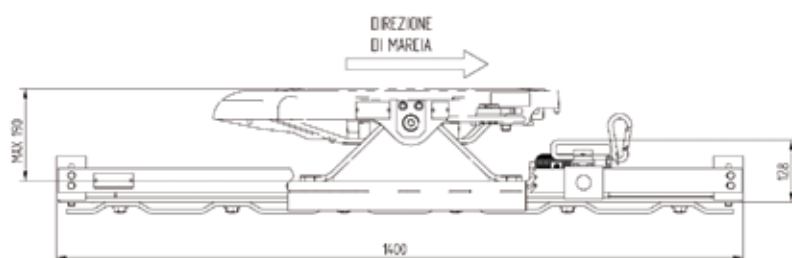
ECE R55-01

Dati tecnici - Technical data

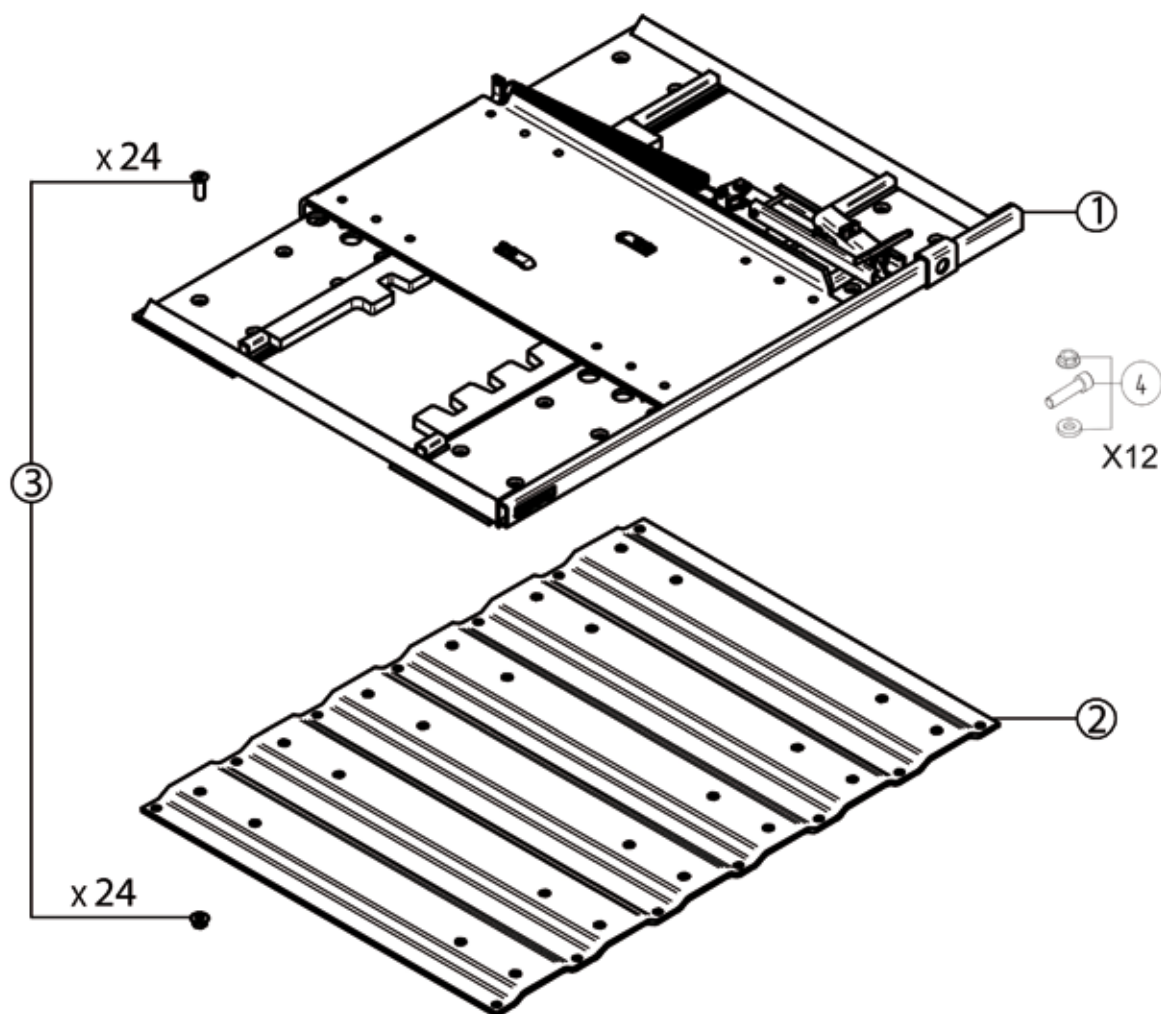
Codice Part number	Carico verticale U Vertical load U Ton	Valore D D-Value kN	Peso Weight kg	Larghezza telaio Width of chassis mm	Dimensioni Dimensions mm	Classe Class	Omologazione Homologation ECE R55-01
FSH0000	22	163	240	680 - 880	1250x920	S	R55-01 10222
FSH1000	22	163	260	680 - 970	1250x1010	S	R55-01 10222

La versione standard non prevede fori per fissaggio al telaio - Standard version NOT drilled

Ralla non inclusa - Fifth wheel NOT included



1990 480 A



ATTENZIONE!
Pos. 4 NON è inclusa nella fornitura standard.

ATTENTION!
Pos. 4 is NOT included into the standard order code.

POS.	Tutti i tipi All types	Codice - Part number	
		FSH0000	FSH1000
1		RR00210	RR00211
2		RR00212	RR00213
3	RR00214		
4	RR00251		

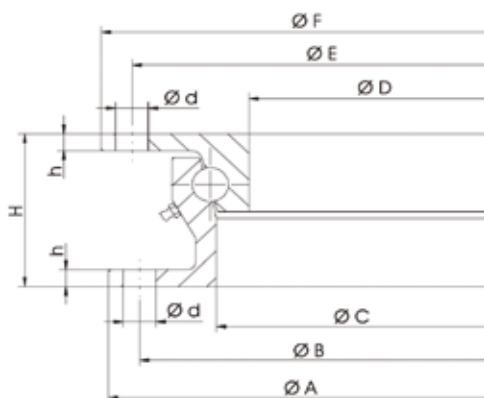


RSS

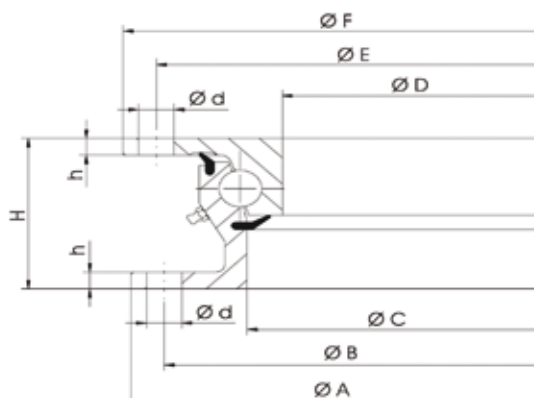
Ralle a sfera singola
Single-row Ball Races

Dati tecnici - Technical data												
Codice Article number	Foratura Drilling	Carico assiale Axial load t	A mm	B mm	C mm	D mm	E mm	F mm	d mm	h mm	H mm	Peso Weight kg
RSG0810	A	8	1000	-	877	846	-	1008	-	10	90	73
RSG1010	B/D	10	1000	960	877	846	974	1008	-	10	90	73
RSG1011	B/D	10	1100	1060	977	946	1074	1108	18	10	90	80
RSG1211	B/D	12	1100	1060	977	946	1074	1108	18	10	90	80
RSG1312	B/D	13	1200	1160	1077	1046	1174	1208	18	10	90	87
RSG1510	A/D	15	987	-	846	829	-	1000	-	14	63	60
RSG2210	B/D	10	1000	-	885	860	-	1015	-	15	90	85
RSG2211	B/D	12	1100	-	983	949	-	1111	-	15	90	95
RSW0810	A	8	1000	-	877	846	-	1008	-	10	90	73
RSW1010	B/D	10	1000	960	877	846	974	1008	-	10	90	73
RSW1011	B/D	10	1100	1060	977	946	1074	1108	18	10	90	80
RSW1211	B/D	12	1100	1060	977	946	1074	1108	18	10	90	80
RSW1312	B/D	13	1200	1160	1077	1046	1174	1208	18	10	90	87

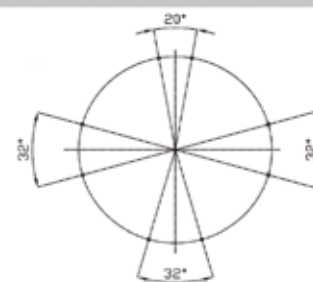
RSG



RSW

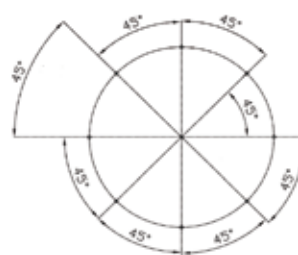


Anello inferiore - Lower ring



DIREZIONE DI MARCIA - DIRECTION OF TRAVEL ↑

Anello superiore - Upper ring



DIREZIONE DI MARCIA - DIRECTION OF TRAVEL ↑

1990 439 C

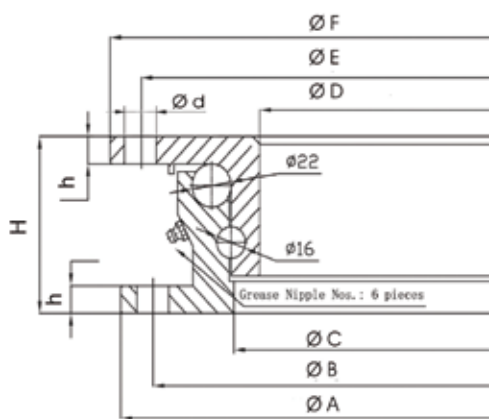


RSD

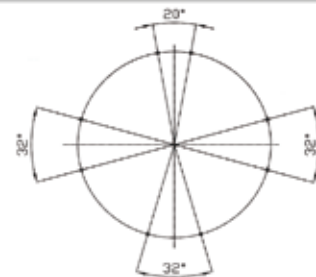
Ralle a sfera doppie
Double-row Ball Races

Dati tecnici - Technical data												
Codice Article number	Foratura Drilling	Carico assiale Axial load t	A mm	B mm	C mm	D mm	E mm	F mm	d mm	h mm	H mm	Peso Weight kg
RDG1610	A/D	16	987	952	871	834	966	1000	18	14	90	92
RDG2011	A/D	20	1100	1060	975	940	1074	1110	18	15	92	96
RHG2211	A/D	22	1100	1060	975	940	1074	1110	18	15	92	115

RDG

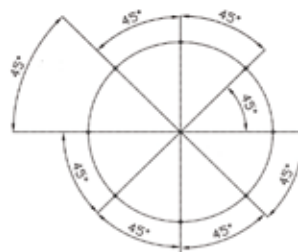


Anello inferiore - Lower ring



DIREZIONE DI MARCIA - DIRECTION OF TRAVEL ↑

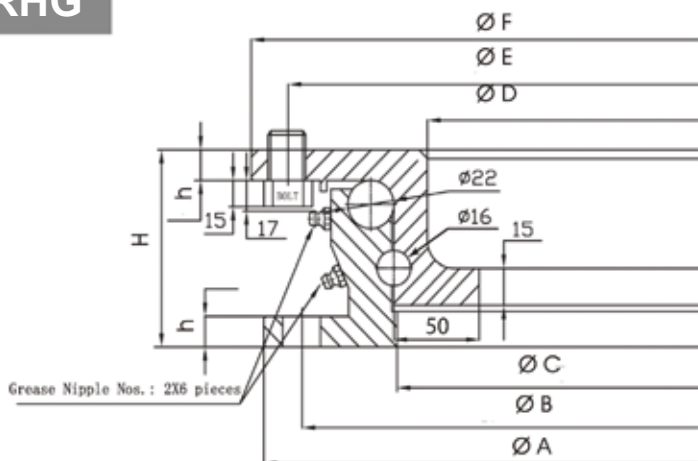
Anello superiore - Upper ring



DIREZIONE DI MARCIA - DIRECTION OF TRAVEL ↑

1990 439 C

RHG





MP

Piastre di montaggio
Mounting plates

2"/3,5"

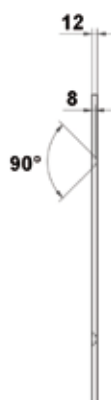
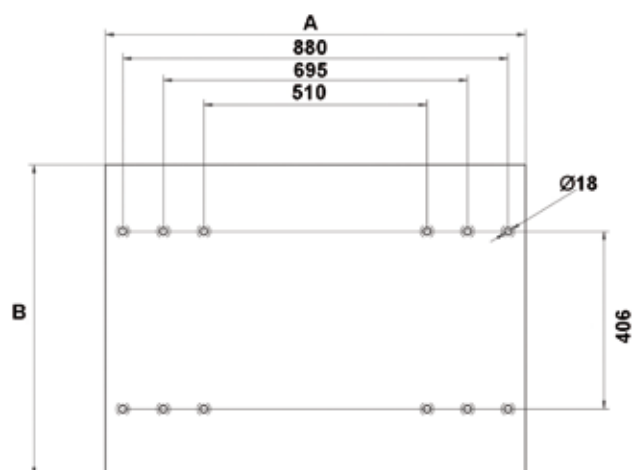
Omologazione - Homologation

ECE R55-01

Dati tecnici - Technical data

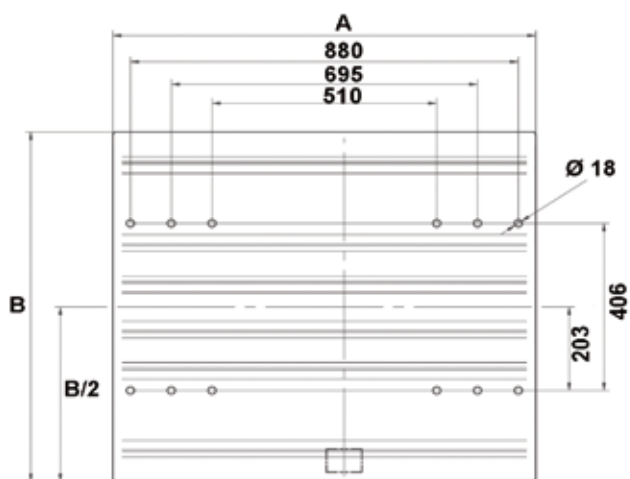
Codice base Standard part number	Altezza H H-Height mm	Valore D D-Value kN	Carico verticale U Vertical load U Ton	Omologazione Homologation ECE R55-01
M0122X0	12	160	22	55R - 01 2653
M0222X0	22	152	22	55R - 01 10 382
M0402X0	40	152	22	55R - 01 10 383
M1002X0	100	152	22	55R - 01 10 384
M0404X0	40	260	40	55R - 01 2588

La versione standard non prevede fori per fissaggio al telaio - The standard version NOT drilled



Crea il tuo codice
Create your part number:

M	HHH	U	X	Y
Altezza - Height		Valore U - U value		
AxB dimensioni - dimensions		Tipo di foratura - Type of drilling		



Altezza - Height

012 = 12 mm
022 = 22 mm
040 = 40 mm
100 = 100 mm

Valore U - U value

2 = 22 ton
4 = 40 ton

AxB dimensioni - dimensions

0 = 960x710 mm 3 = 960 x 970 mm 6 = 960x665 mm
1 = 960x650 mm 4 = 1050 x 850 mm 7 = 1050x665 mm
2 = 960x850 mm 5 = 1060 x 710 mm

Tipo di foratura - Type of drilling

0 = standard (non forata - not drilled)
1 = Daimler
2 = Iveco
3 = Scania
4 = Volvo
5 = Man
6 = Renault
7 = Daf
8 = Mercedes new Actros
9 = Kamaz

Fuori produzione - Out of production

serie series	descrizione description	fuori produzione dal out of production from
MCX50 	Ganci di traino automatici campana snodata Automatic drawbar couplings	2011
EH523 	Ganci di traino automatici Automatic drawbar couplings	2011
TITANO 	Gancio per traini eccezionali Trailer coupling for heavy weight transport	2011
NEW TITANO 	Gancio per traini eccezionali Trailer coupling for heavy weight transport	2013
UN 766 	Gancio ad uncino Hook coupling	2015

D-value: Theoretical load for the determination of the theoretical horizontal dynamic force between towing vehicle and steering axle trailer;

Dc-value: Theoretical load for the determination of the theoretical horizontal dynamic force between towing vehicle and central axle trailer;

V-value: Theoretical load for the determination of the theoretical vertical dynamic force between towing vehicle and central axle trailer of more than 3,5 tons weight;

S-value: Static vertical load transmitted to the coupling by central axle trailer in static conditions;

U-value: Vertical load transmitted to the fifth wheel by the semitrailer.

1 - Trailer couplings and drawbar eyes

1.1 - Steering axle trailers

Fig. 1



In this case the technical parameter is following:

$$D = g \times \frac{T \times R}{T + R}$$

where:

g = Gravitational acceleration; 9.81 m/s²;

T = Technically admissible maximum weight of towing vehicle in tons;

R = Technically admissible maximum weight of trailer in tons.

Examples of calculation

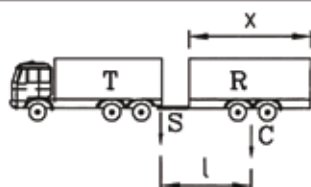
a) **T** = 18 ton; **R** = 26 ton $D = \frac{9.81 \times (18 \times 26)}{18 + 26} = 104.3 \text{ kN}$

b) **T** = 14 ton; **R** = 42 ton $D = \frac{9.81 \times (14 \times 42)}{14 + 42} = 103.1 \text{ kN}$

c) **T** = 30 ton; **R** = 50 ton $D = \frac{9.81 \times (30 \times 50)}{30 + 50} = 183.9 \text{ kN}$

1.2 - Central axle trailers

Fig. 2



In this case the technical parameter is following:

$$Dc = g \times \frac{T \times C}{T + C}$$

where:

T = Technically admissible maximum load of the towing vehicle in tons, including the static vertical load transmitted to the coupling by the drawbar eye;

C = Sum of the maximum axle loads transmitted to the ground by the trailer in tons.

Technical parameters of towing systems

$$V = a \times \frac{x^2}{l} \times C$$

where:

x = Length of the loading area in meters;

l = distance between the center of the hole of the drawbar eye and the center of the axles of the trailer in meters;

V = Dynamic vertical load in kN;

C = Sum of the maximum axial loads transmitted to the ground by the trailer in tons;

a = $1.8 \frac{m}{s^2}$ for vehicles with air suspensions or with a comparable suspension type;

a = $2.4 \frac{m}{s^2}$ for vehicle with other types of suspensions.

$$S = R - C$$

R = Technically admissible maximum weight of the trailer in tons.

Example of calculation

Towing vehicle with 20 tons weight and with air suspensions.
Central axle trailer with:

$$R = 20 \text{ ton} \quad C = 19 \text{ ton} \quad S = 1 \text{ ton} \quad X = 7.2 \text{ m} \quad L = 6 \text{ m}$$

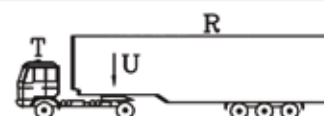
For the determination of the Dc-value the weight of the towing vehicle is calculated as follows:

$$T = 20 + S = 20 + 1 = 21 \text{ ton}$$

and therefore

$$Dc = \frac{9.81 \times (21 \times 19)}{21 + 19} = 98 \text{ kN} \quad V = 1.8 \times \left(\frac{7.2}{6}\right)^2 \times 19 = 49.2 \text{ kN}$$

2 - Fifth wheels and kingpins



$$D = g \times \frac{0.6 \times T \times R}{T + R - U}$$

where:

T = Weight of the towing vehicle including the vertical load on the fifth wheel;

R = Weight of the semitrailer;

U = That part of the semitrailer weight which is directly transmitted to the fifth wheel.

Example of calculation

Towing vehicle alone, weight 7 tons

Trailer with **R** = 36 tons and **U** = 14 tons

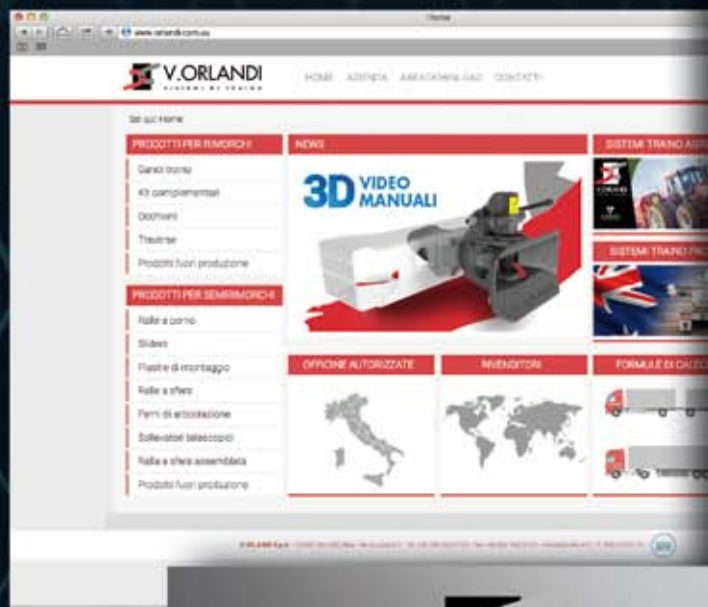
For the determination of the D-value the weight of the towing vehicle is calculated as follows:

$$T = 7 + U = 7 + 14 = 21 \text{ ton} \quad \text{and therefore}$$

$$D = g \times \frac{0.6 \times 21 \times 36}{21 + 36 - 14} = 101 \text{ kN}$$

The towing systems homologated according to the directive 94/20/EC have to bear in the homologation plate the characteristic values (**D**, **Dc**, **S**, **V** and **U**) according to which they have been approved.

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