

Hera Hammers

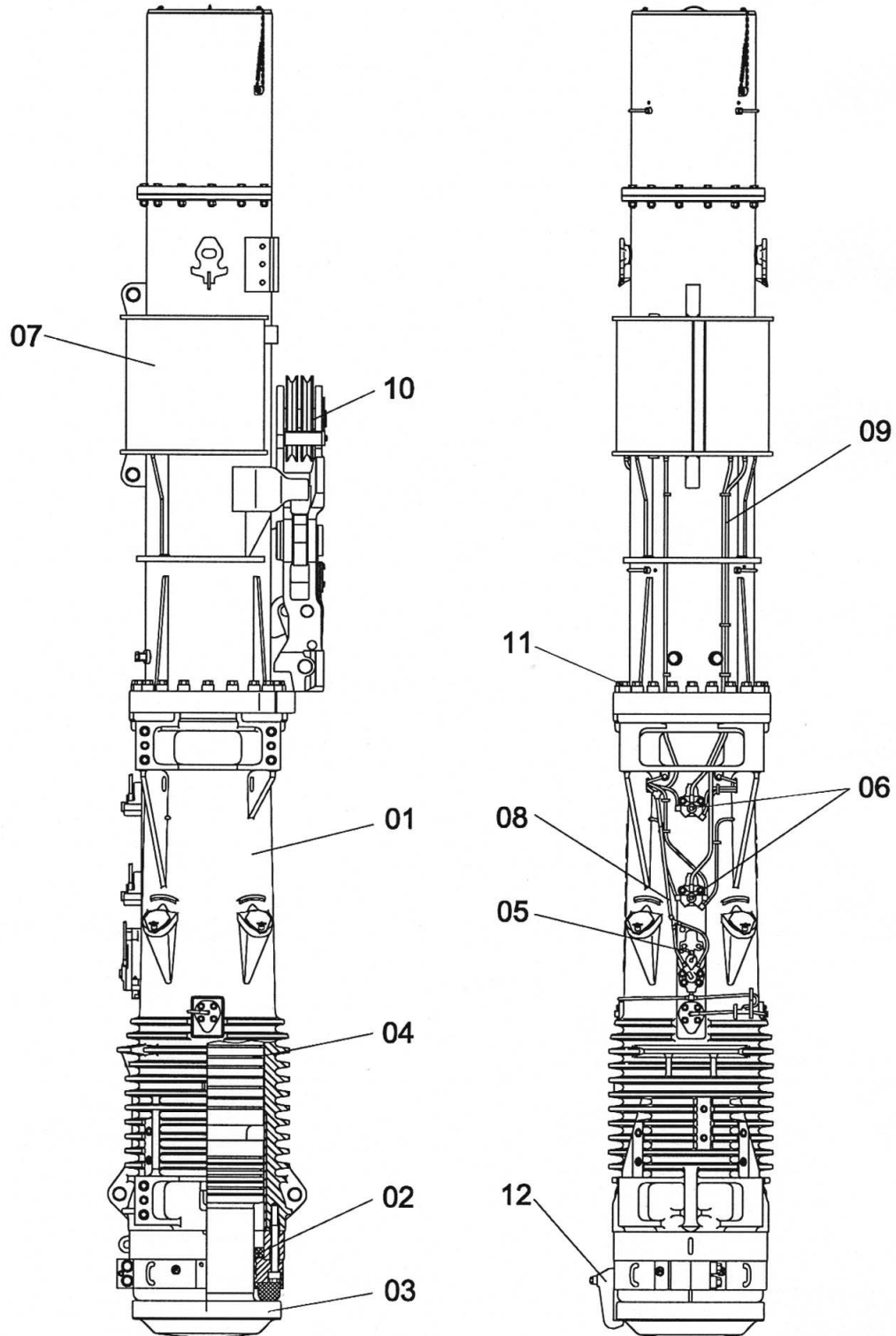
Spare parts list

D80/D100-13

Diesel pile hammer D80/D100-13

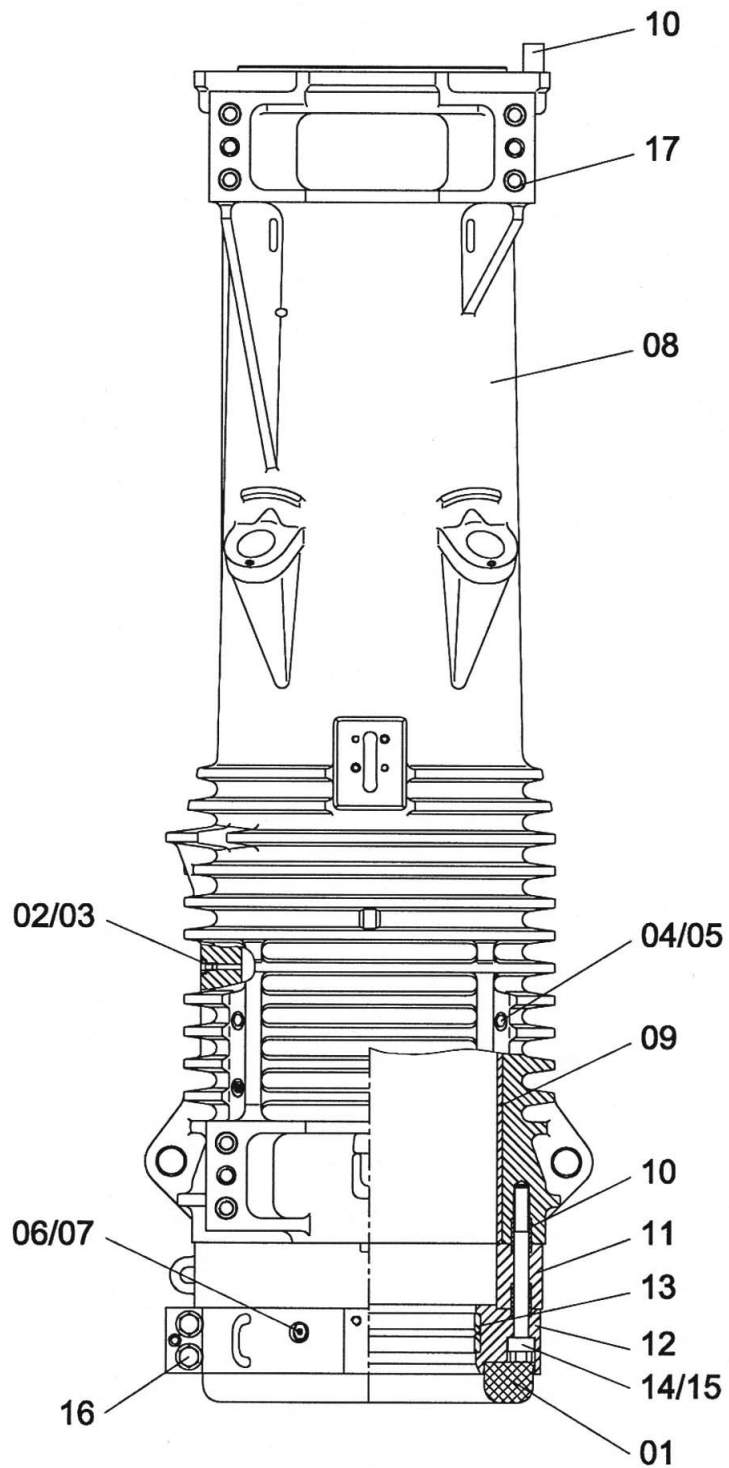
Hera Machinefabriek B.V.
2e Havenstraat 6
1976 CE IJmuiden
The Netherlands

www.hera-hammers.com
www.dieselhammerparts.com



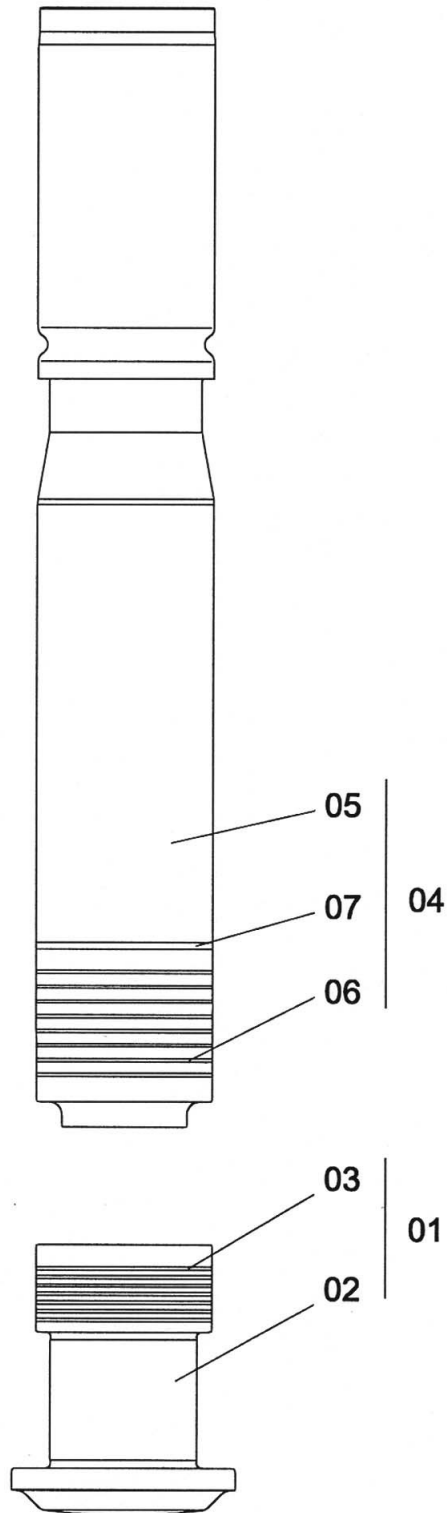
Hera D80/D100-13

No.	Description	Q'ty	Order-no.
—	Diesel pile hammer D100-13	1	103960
—	Diesel pile hammer D80-32	1	207001
1	D100 cylinder lower part complete	1	103962
1	D80 cylinder lower part complete	1	207002
	page 4		
2	inner damping ring	1	21445
3	impact block complete	1	108493
	page 6		
4	D100 striking weight(piston)complete	1	103949
4	D80 striking weight(piston)complete	1	207003
	page 6		
5	D100 fuel injection device	1	103959
5	D80 fuel injection device	1	207004
	page 8		
6	lube pump complete	2	108325
	page 14		
7	D100 cylinder upper part complete	1	207005
7	D80 cylinder upper part complete	1	109840
	page 16		
8	fuel line/breather line complete	1	41950
	page 18		
9	lube line with connecting parts	1	109854
	complete page20		
10	trip gear complete	1	41823
	page 22		
11	set of connecting parts	1	41945
	page 24		
12	transport protection kit complete	1	109844
	page 26		
13	guide parts for hammer on request	4	
14	gibes parts for trip gear on request	4	
15	tool box complete	1	66917
	page 28		



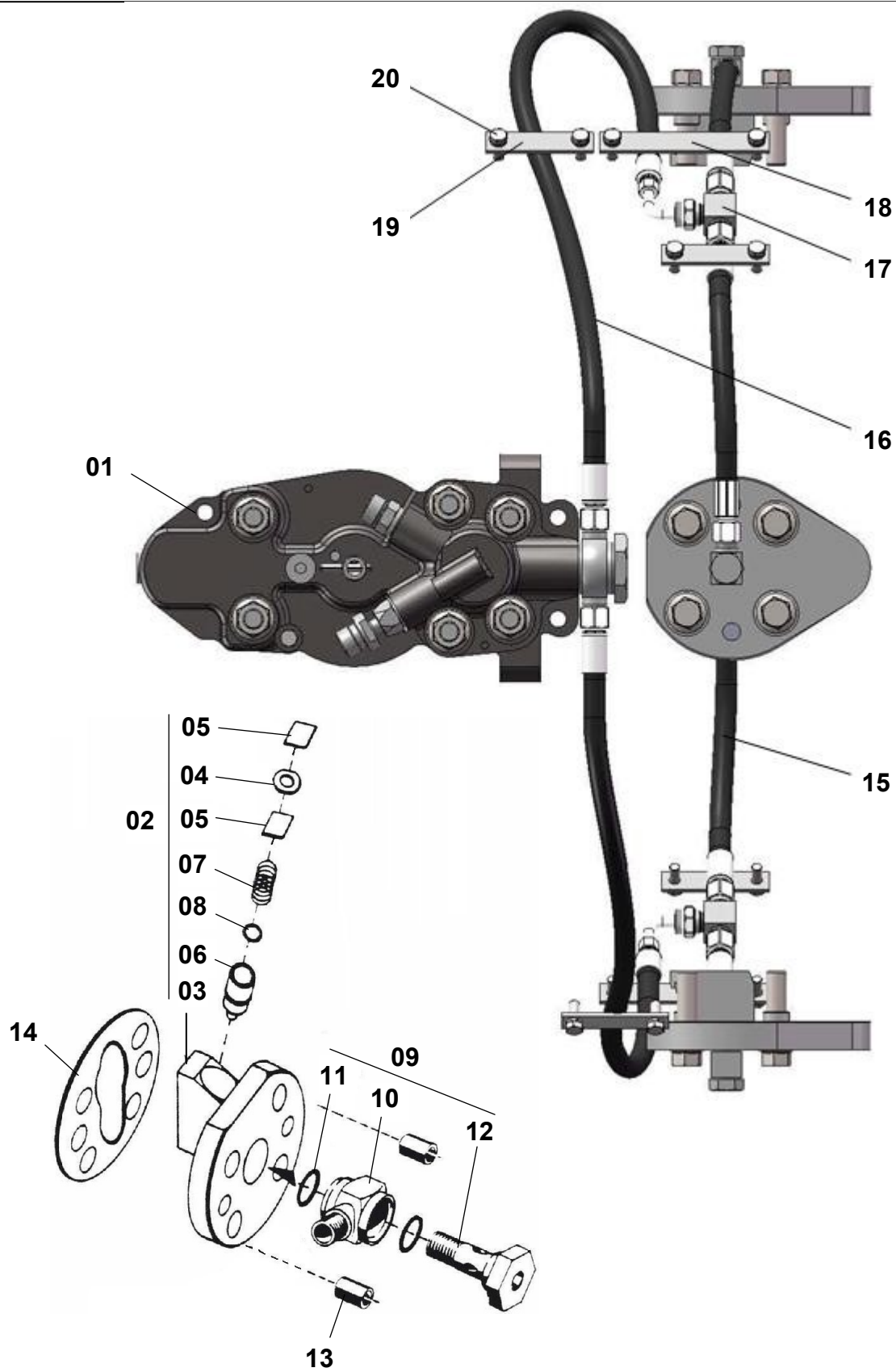
Hera D80/D100-13 Lower cylinder

No.	Description	Q'ty	Order-no.
—	D100 cylinder lower part complete	1	108493
— /	D80 cylinder lower part complete	1	207002
1	rubber ring	1	21455
2	plug screw M18×1.5	2	91460
3	sealing ring 18×22	2	90002
4	plug screw M20×1.5	4	92016
5	sealing ring 20×24	4	92031
6	reducer	8	22592
7	grease nipple M10×1	8	90791
8	cylinder lower part	1	109865
9	cylinder sleeve(on request)	1	
10	dowel pin Φ50×80	36	94281
11*	trick ring	1	122473
12	cylinder end ring complete (2 pieces)	1	21451
13	ring(2 pieces)	1	21456
14	D100 reducer screw M36×370	16	103497
14 /	D80 reducer screw M36×230	16	207006
15	reducer screw M24×165	2	20174
16	reducer screw M36×210	4	20038
17	threaded insert M36	24	93233
*	Ring (not marked on drawing)	2	207007



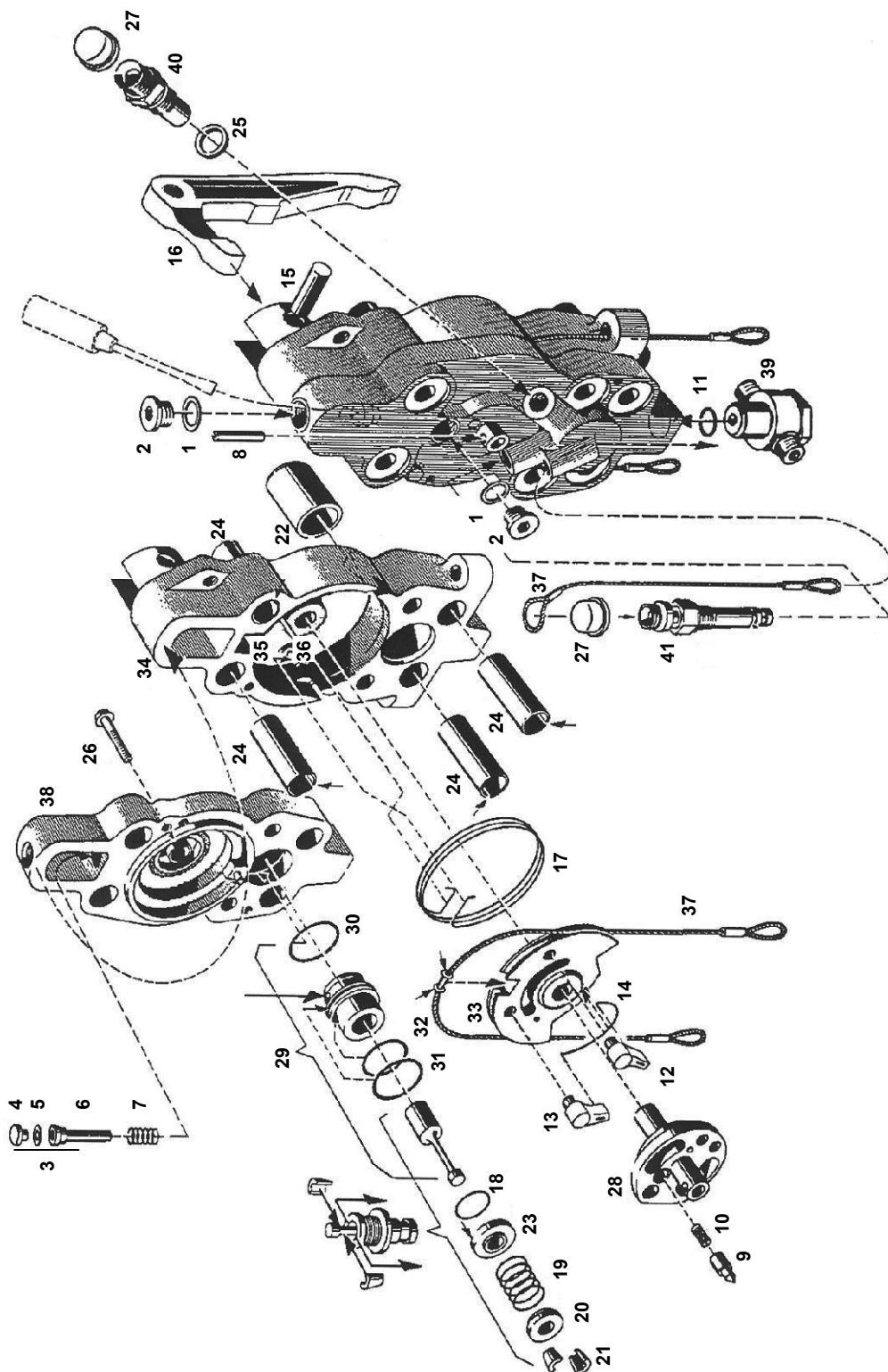
Hera D80/D100-13 Impact block complete

No.	Description	Q' ty	Order-no.
1	impact block complete	1	108493
2	impact block	1	108494
3	piston ring	7	21439
4	D100 striking weight (piston) complete	1	103949
4 ´	D80 striking weight (piston) complete	1	207003
5	D100 striking weight (piston)	1	103499
5 ´	D80 striking weight (piston)	1	207008
6	piston ring	7	21439
7	catch piston ring	1	21443



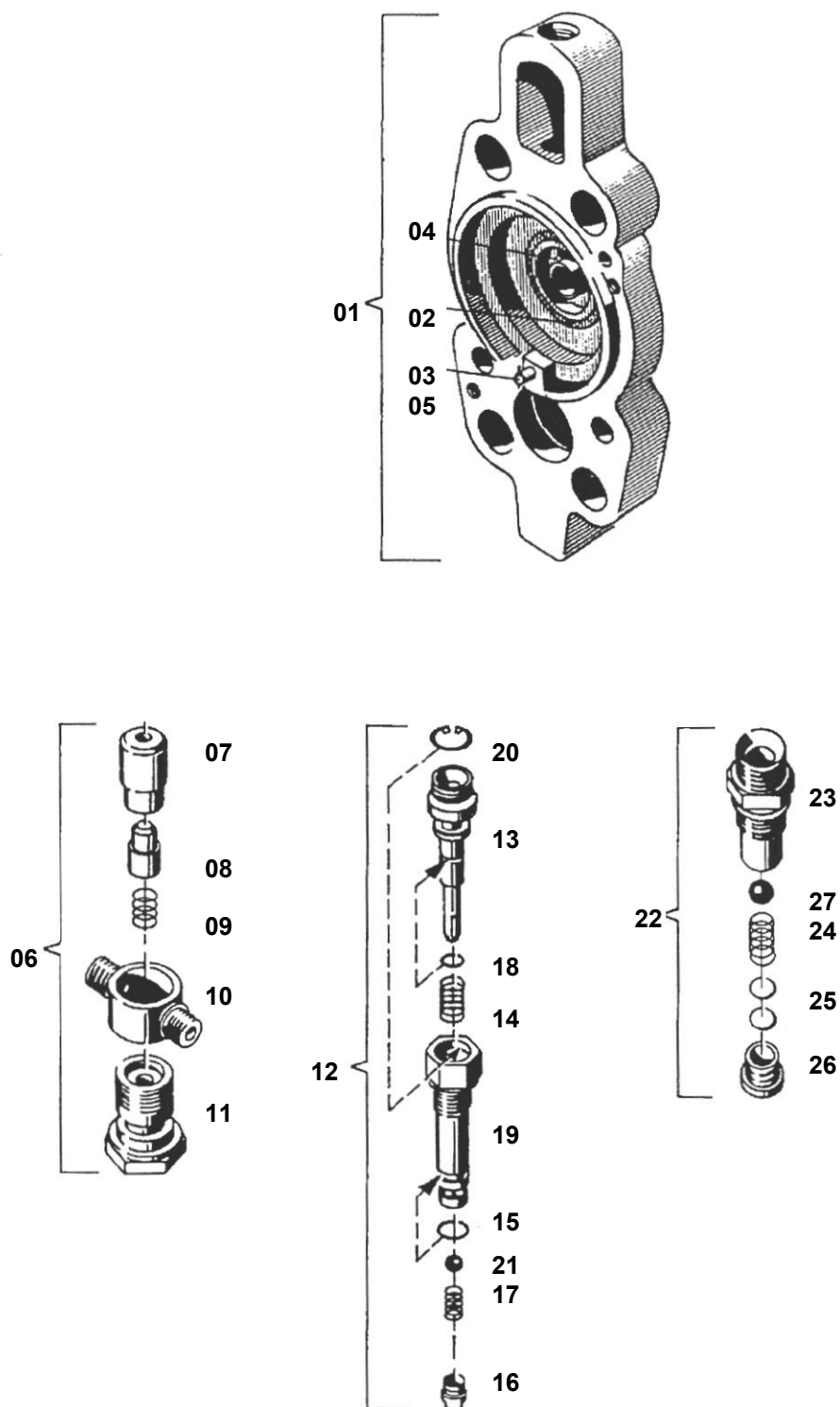
Hera D80/D100-13 Fuel injection device

No.	Description	Q' ty	Order-no.
—	D100 fuel injection device	1	103959
—	D80 fuel injection device	1	207009
1	D100 variable-delivery fuel pump	1	103964
1	D80 variable-delivery fuel pump	1	207010
2	injection valve complete	4	104675
3	injection valve body 20°	4	102133
4	spring washer	4	64461
5	locking plate	8	64460
6	valve piston	4	63843
7	pressure spring 15.4×32.8×1.6	4	97569
8	adjusting washer	8	97573
9	threaded pipe joint complete	4	97038
10	threaded pipe joint	4	210404
11	round sealing ring 17×1.5	8	97258
12	hollow screw	4	210405
13	dowel pin 21×28	8	95633
14	sealing	4	45647
15	high pressure hose 0.28m long	4	98770
16	high pressure hose 0.97m long	2	98633
17	T-piece	2	210408
18	plate	2	207020
19	plate	4	207019
20	hexagon screw M8×12	12	93412



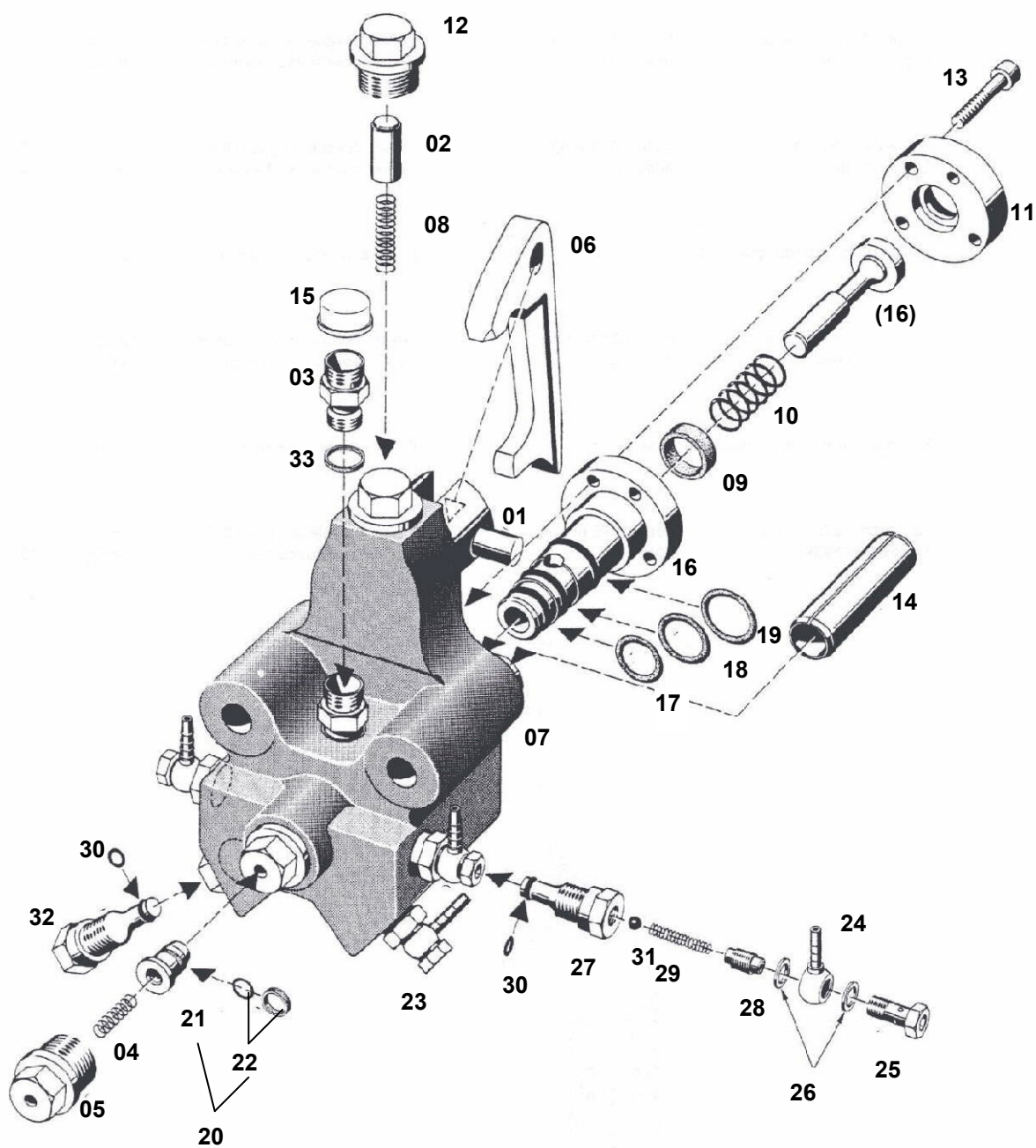
Hera D80/D100-13 Fuel injection device

No.	Description	Q' ty	Order-no.
—	D100 variable-delivery fuel pump	1	103964
— /	D80 variable-delivery fuel pump	1	207010
1	sealing ring A18×22	2	90002
2	plug screw M18×1.5	2	93055
3	pressure piece complete	1	62125
4	push cap	1	62124
5.1	adjusting washer 8.2×19.8×0.3	1	97332
5.2	adjusting washer 8.2×19.8×0.5	1	97333
5.3	adjusting washer 8.2×19.8×0.6	1	97334
5.4	adjusting washer 8.2×19.8×0.4	1	97348
6	push rod	1	62126
7	pressure spring 14.5×34×1	1	22046
8	dowel pin 6×40	1	90150
9	screen pin	1	22049
10	pressure spring 5.5×20×1.2	1	22044
11	round sealing ring 22×3	1	91296
12	cam	1	22052
13	cam	1	22051
14	spring	1	22245
15	pin	1	22043
16	pump lever	1	41869
17	swivel spring	1	22062
18	round sealing ring 35×2.5	1	92996
19	pressure spring 28×67.2×3.5	1	22060
20	spring retaining collar	1	22058
21	conical ring 2 pieces	1	22059
22	guide sleeve	1	43287
23	holder ring	1	43994
24	dowel pin 28×80	4	94315
25	sealing ring A20×24	1	92031
26	locking screw M8×50	1	93456
27	protecting cap	2	93236
28	switch shaft	1	43308
29	D100 pump element complete diameter 35mm	1	14655
29 /	D80 pump element complete diameter 32mm	1	207011
30	round sealing ring 42×3	1	95933
31	round sealing ring 46.2×2.65	1	91322
32	round sealing ring 43.7×2.65	1	91339
33	rope disc complete	1	22040
34	pump body complete	1	43289
35	dowel pin 6×28	1	90137
36	dowel pin 5×40	1	90155
37	regulation rope	2	17546
38	pump cover complete page 12	1	43291
39	check-non-return valve complete page 12	1	60827
40	suction valve complete page 12	1	41863
41	stop valve complete page 12	1	41868



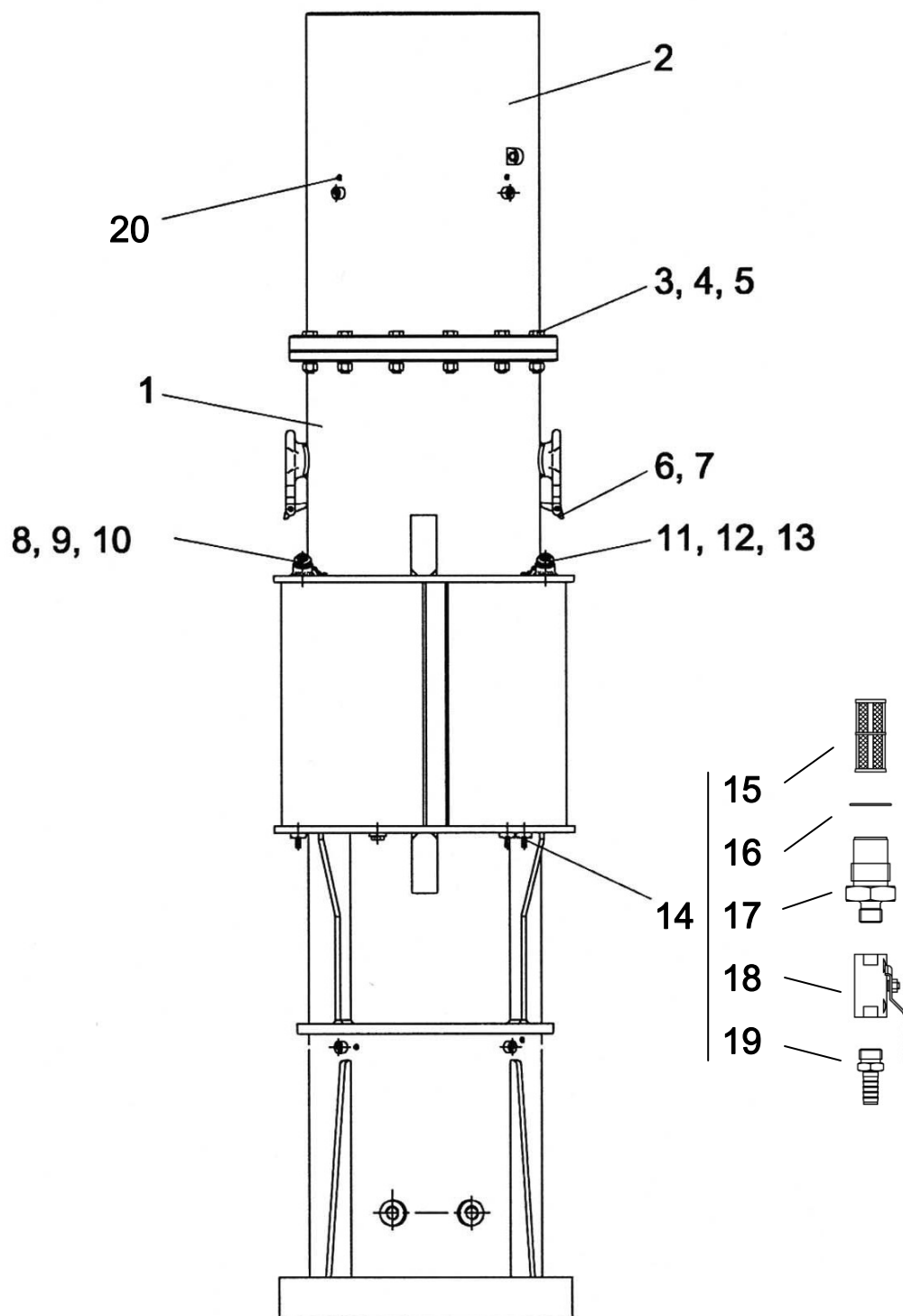
Hera D80/D100-13 Fuel injection device

No.	Description	Q' ty	Order-no.
1	pump cover complete	1	43291
2	ring	1	22050
3	stop	1	22796
4	stop pin	1	43307
5	dowel pin 10×32	1	90231
6	check-non-return valve complete	1	60827
7	housing	1	43297
8	valve piston	1	43299
9	pressure spring	1	22034
10	ring type nipple	1	60195
11	screw	1	60194
12	stop valve complete	1	41868
13	valve piston	1	43138
14	pressure spring	1	43279
15	round sealing ring 12×3	1	94316
16	threaded plug	1	22021
17	pressure spring	1	98929
18	round sealing ring 8×3	1	91894
19	valve screw	1	43130
20	circlip 20×1	1	95768
21	ball Φ8.73mm	1	98511
22	suction valve complete	1	41863
23	sleeve	1	41861
24	pressure spring 7.3×8×0.7	1	22022
25	washer	2	22023
26	threaded plug	1	41862
27	ball Φ8.731mm	1	98511



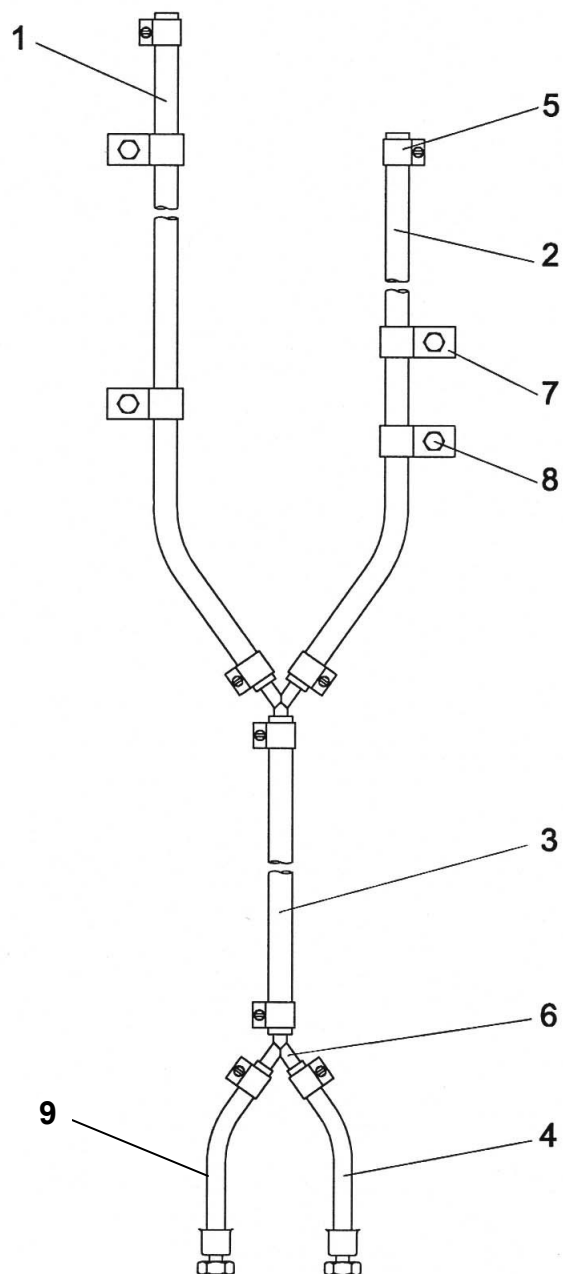
Hera D80/D100-13 Lube pump complete

No.	Description	Q'ty	Order-no.
—	lube pump complete	2	108306
1	pin	2	22082
2	sleeve	2	22090
3	adaptor(tube to thread)	2	67290
4	pressure spring 7.3×29.4×1.2	2	190479
5	plug screw	2	108307
6	pump lever	2	22081
7	pump body	2	108315
8	pressure spring 10×43×2	2	22089
9	ring	2	67283
10	pressure spring 22×52×2.8	2	97325
11	washer	2	67282
12	plug screw	2	91976
13	screw M8×35	8	90937
14	dowel pin 28×80	4	94315
15	protecting cap	2	93236
16	cylinder complete	2	67279
17	round sealing ring 24×3	2	91296
18	round sealing ring 26×3	2	91357
19	round sealing ring 30×3	2	92952
20	piston complete	2	67284
21	piston	2	67285
22	ring sliding ring with O-ring	2	97326
23	pressure valve complete	6	108317
24	ring type nipple	6	97949
25	hollow screw	6	97948
26	sealing ring A12×15.5	12	91417
27	adaptor(tube to thread)	6	108319
28	plug screw	6	104679
29	pressure spring 5×36×0.8	6	190005
30	round sealing ring 8×2	8	97855
31	ball Φ6	6	90307
32	plug screw	2	108316
33	sealing ring A20×24	2	92031



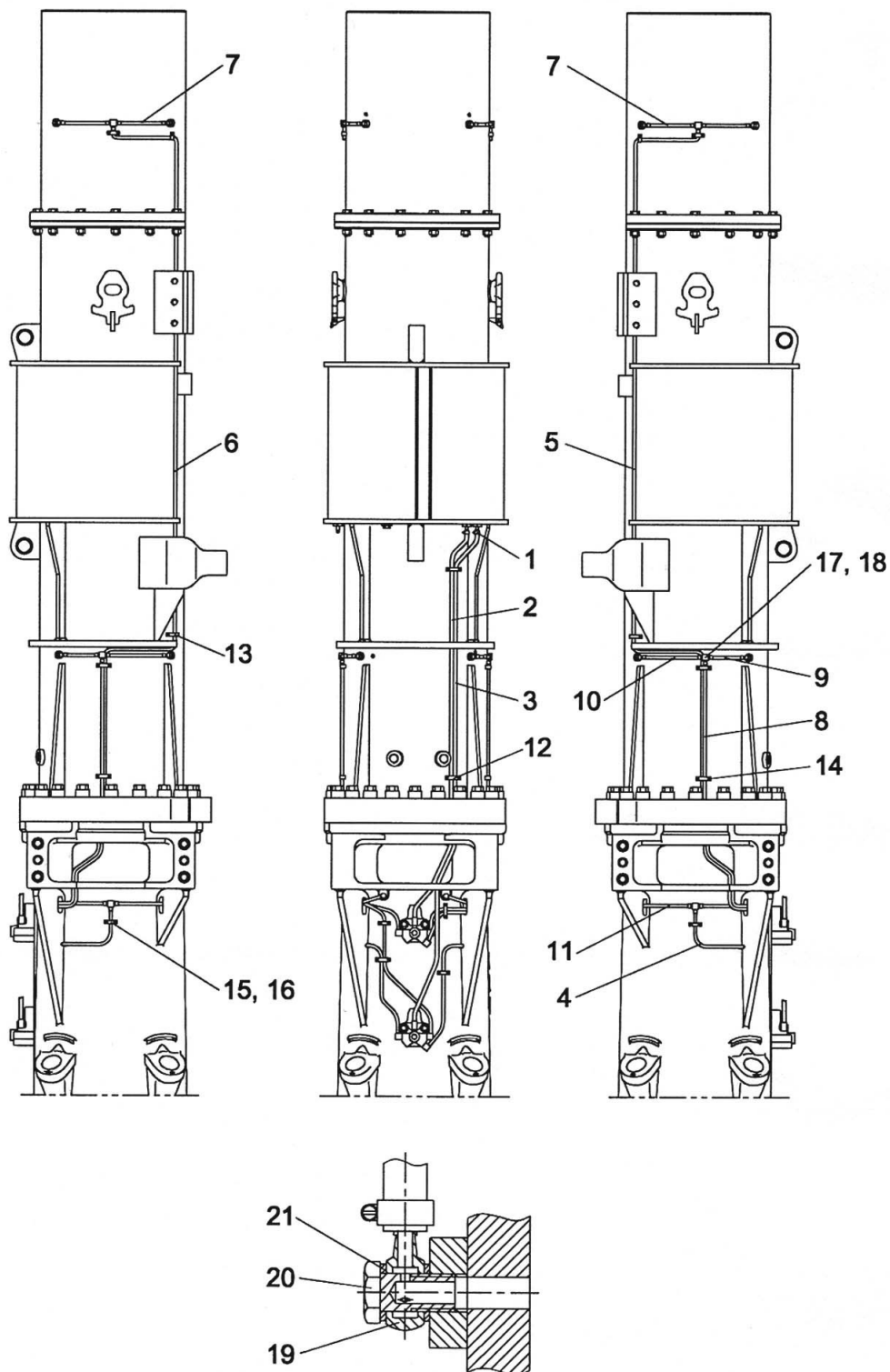
Hera D80/D100-13 Upper cylinder

No.	Description	Q' ty	Order-no.
—	D100 cylinder upper part complete	1	207005
— /	D80 cylinder upper part complete	1	109840
1	cylinder upper	1	207012
2	D100 upper end ring L=1000mm	1	207013
2'	D80 upper end ring L=254mm	1	207014
3	hexagon screw M24×120	12	91929
4	hexagon nut M24	12	90091
5	washer 24	12	210603
6	ratchet	2	17039
7	dowel pin 13×60	2	90044
8	plug screw "Diesel" complete	2	17186
9	plug screw "Diesel"	2	47608
10	chain link, exchangeable	2	2253
11	plug screw "oil" complete	1	17188
12	plug screw "oil"	1	47611
13	chain link, exchangeable	1	2253
14	filter assembly	4	207021
15	filter element	4	99896
16	round sealing ring 36×1.5	4	210607
17	filter elbow	4	207022
18	ball valves 1/2"	4	207023
19	screwed joint	4	207024
20	grease nipple M10×1	2	90791



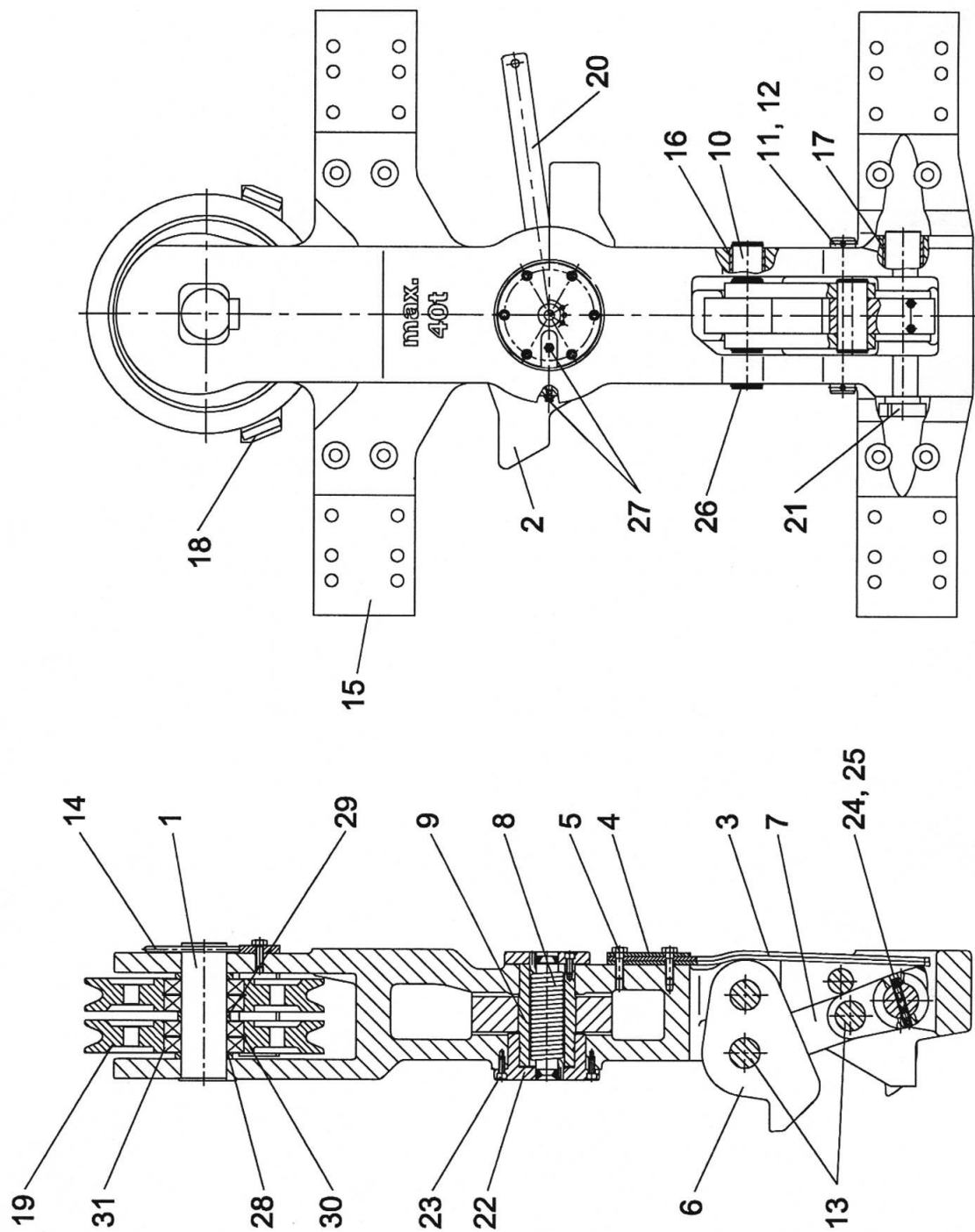
Hera D80/D100-13 Fuel line/breather line complete

No.	Description	Q`ty	Order-no.
—	fuel line/breather line complete	1	41950
1	hose 2.19m long	1	41953
2	hose 1.9m long	1	41952
3	hose 0.72m long	1	41951
4	hose 0.28m long	1	96504
5	hose clip 5/8"-1"	8	94299
6	Y-piece	2	99019
7	clip	4	41981
8	hexagon screw M8×12	4	93412
9	hose 0.36m long	1	207025



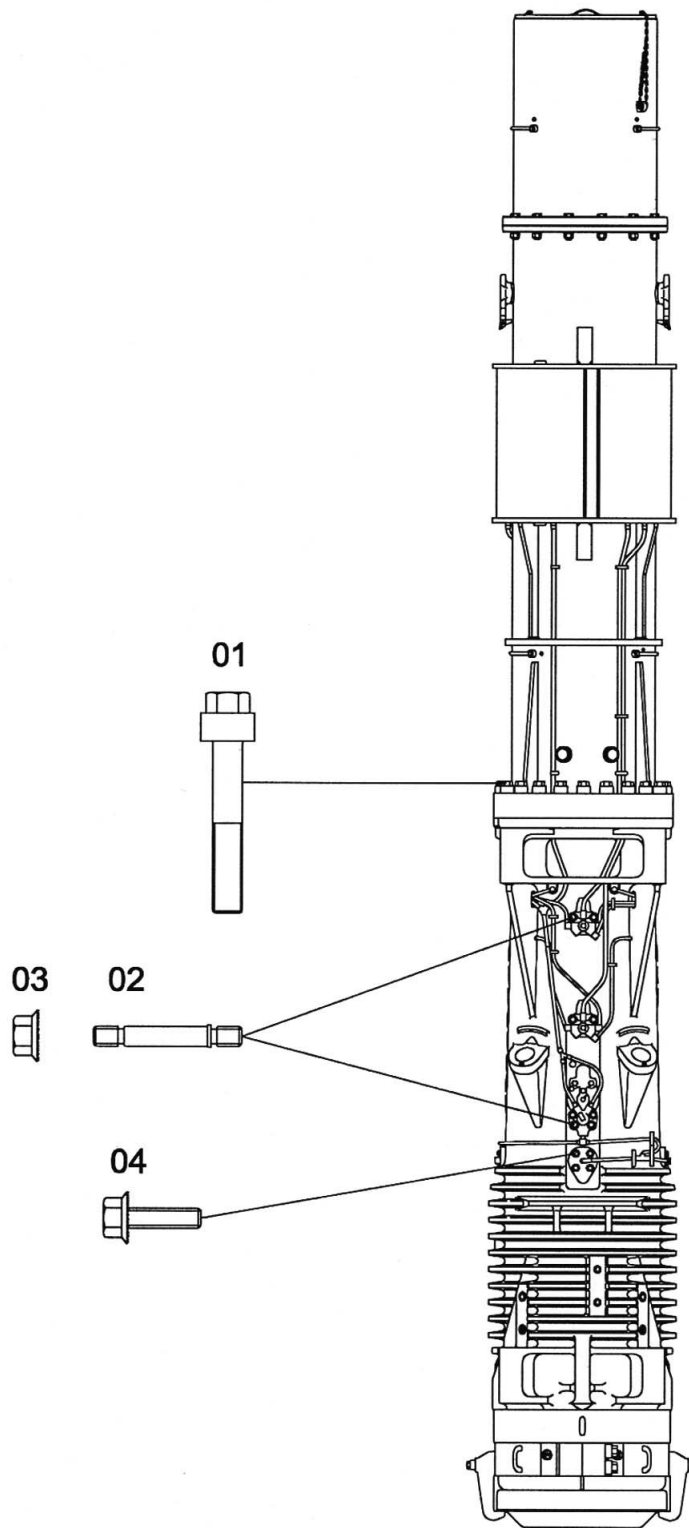
Hera D80/D100-13 Lube line with connecting parts

No.	Description	Q' ty	Order-no.
—	lube line with connecting	1	109854
1	hose clip 5/8"-1"	2	94299
2	hose 2m long	1	98549
3	hose 2.5m long	1	98561
4	hose 1m long	2	109862
5	hose 5.24m long	1	43323
6	hose 4.8m long	1	109864
7	hose 0.37m long	4	43328
8	hose 1.65m long	2	109861
9	hose 0.22m long	2	41988
10	hose 0.31m long	2	41989
11	hose 0.45m long	4	41987
12	clip	2	41965
13	clip	6	41982
14	clip	6	43478
15	clip	4	2932
16	locking screw M8×12	28	93412
17	T—piece	6	94522
18	hose clip 7/16"-5/8"	36	95115
19	ring type nipple	12	97949
20	hollow screw	12	97948
21	sealing ring	24	91417



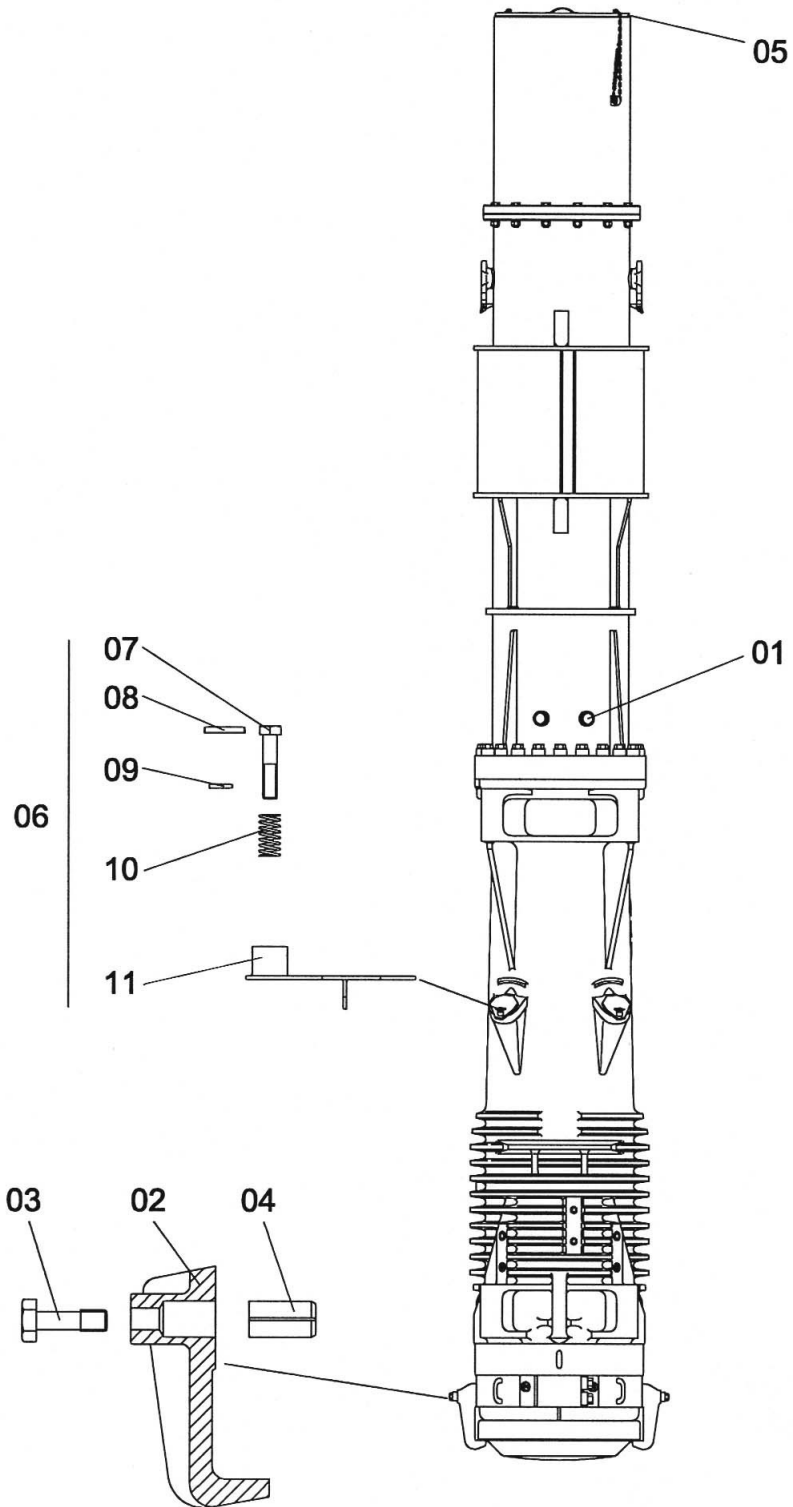
Hera D80/D100-13 Trip gear

No.	Description	Q'ty	Order-no.
—	trip gear complete	1	41823
1	sheave pin	1	41843
2	carrier	1	41844
3	leaf spring	2	41850
4	plate	1	41846
5	lock screw M16×45	8	95639
6	pawl	1	41845
7	shackle	2	41847
8	torsion spring	1	41851
9	shaft	1	41849
10	shaft	1	41841
11	joint bole	1	98514
12	split pin 10×80	2	90638
13	shaft	2	41848
14	split pin	1	16802
15	guide body	1	22984
16	sleeve	2	22986
17	sleeve	2	22987
18	rope guard	1	41842
19	rope pulley complete	2	41839
20	lever	1	41831
21	pawl lever	1	41824
22	Flange complete	1	41835
23	cylinder screw M12×30	12	91395
24	dowel pin 16×100	2	90337
25	dowel pin 10×100	2	91410
26	circlip 60×2	2	90260
27	grease nipple M10×1	2	90791
28	sleeve	2	207015
29	sleeve	1	207016
30	circlip 160×3	2	207017
31	bearing 6218-Z	4	207018



Hera D80/D100-13 Connecting parts

No.	Description	Q`ty	Order-no.
—	set connecting parts	1	41945
1	for cylinder upper part with cylinder lower part: reduced screw M36×210	18	20038
2	for variable-delivery fuel pump with cylinder lower part: stud bolt M16	6	20189
3	locking nut M16	6	94722
2	for lube pump with cylinder lower part: stud bolt M16	4	20189
3	locking nut M16	4	94722
4	for injection valve with cylinder lower part: reduced screw M16×45	16	95639



Hera D80/D100-13 Transport protection complete

No.	Description	Q' ty	Order-no.
—	transport protecting complete	1	109844
1	locking screw M42×3	2	105787
2	Impact block securing clamp	2	41915
3	screw M24×165	2	20174
4	dowel pin 40×75	2	95195
5	protecting cap	1	41940
6	exhaust cover complete	4	207026
7	screw complete	4	20076
8	dowel pin 5×50	4	90661
9	dowel pin 3×20	4	91444
10	pressure spring	4	20082
11	cover	4	207027

No.	Description	Q' ty	Order-no.
—	tool box complete	1	66917
1	tool book	1	80890
2	piston ring fitting band complete	1	41812
3	piston ring fitting pliers complete	1	16897
4	assembly plate complete	2	22700
5	punch $\Phi 12/\Phi 16$	1	93349
6	punch $\Phi 4/\Phi 8$	1	90354
7	ratchet spanner	1	90196
8	ring screw M56	1	94285
9	double ended open spanner 30×32	1	90655
10	double ended open spanner 19×22	1	90443
11	double ended open spanner 17×19	1	92015
12	single ended open spanner 27	1	90465
13	single ended open spanner 46	1	90184
14	single ended open spanner 17	1	95071
15	double ended ring spanner 22×24	1	95834
16	spanner 15"	1	93352
17	socket wrench SW22	1	90197
18	socket wrench SW46	1	90199
19	angled screw driver 5	1	90055
20	angled screw driver 6	1	90862
21	angled screw driver 8	1	90657
22	angled screw driver 10	1	90469
23	angled screw driver 14	1	90079
24	angled screw driver 19	1	90194
25	pliers A19	1	90785
26	Grease gun	1	90795
27	0.5kg Molylube grease	1	93551