

HFR 2013

Caratteristiche Tecniche

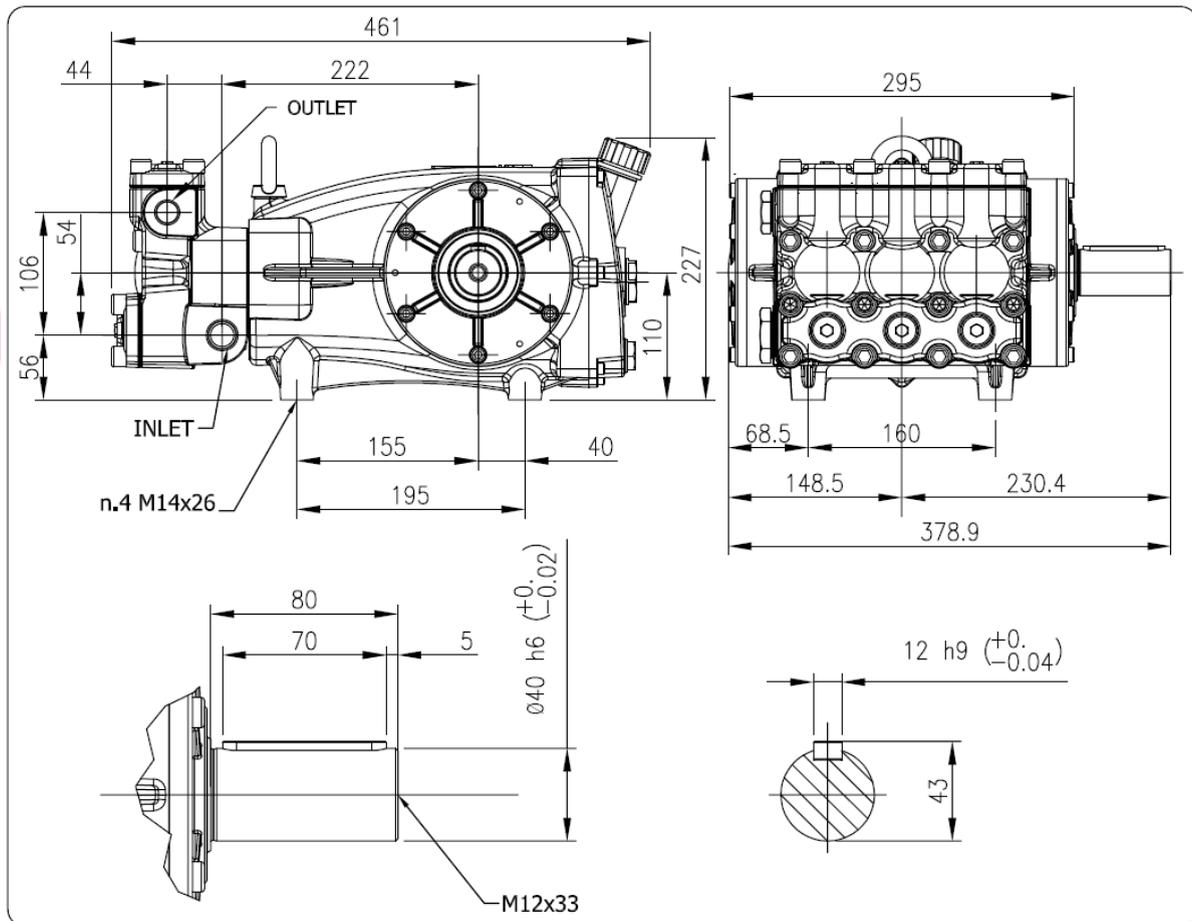
Albero maschio – Solid shaft

Technical Characteristics

Pump Pompa	Pressure Pressione		Volume Portata		RPM giri/min	Power Potenza	
			l/min	GPM		HP	kW
	bar	PSI	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
HFR40S	280	4060	40	10.6	1000	28.6	21.1
HFR60S	280	4060	60	15.9	1000	43.0	31.6
HFR80S	150	2175	80	21.1	1000	30.5	22.4
HFR8020S	200	2900	80	21.1	1000	42.8	31.5
HFR105S	150	2175	105	27.7	1000	40.3	30.0
HFR120S	150	2175	120	31.7	1000	46.1	33.8
HFR40F	280	4060	40	10.6	1450	28.7	21.1
HFR60F	280	4060	60	15.9	1450	43.0	31.6
HFR80F	280	4060	80	21.1	1450	57.5	42.1

Dimensioni d'ingombro

Overall dimensions



Lubrificazione: Olio SAE 10W40

Capacità: 3.5 Litri

Peso pompa: 49 kg

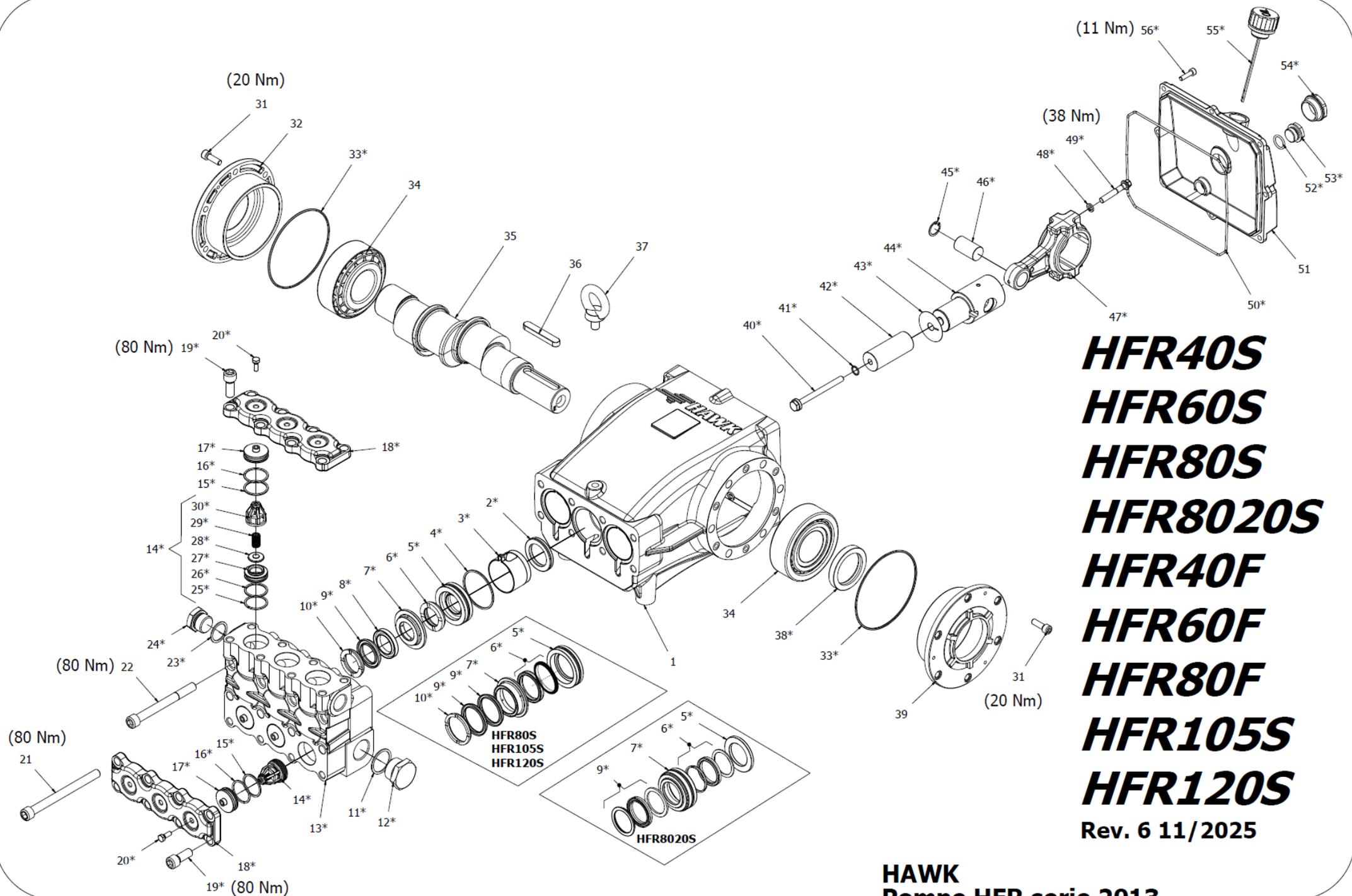
Lubrificazione: Olio SAE 10W40

Capacity: 3.5 Litres

Weight: 49 kg

LEUCO S.p.A.

Rev. 6 10-25



HFR40S
HFR60S
HFR80S
HFR8020S
HFR40F
HFR60F
HFR80F
HFR105S
HFR120S
 Rev. 6 11/2025

HAWK
Pompe HFR serie 2013
HFR Pumps 2013 series

HFR 2013 SERIES

ORDINARY MAINTENANCE KIT / KIT MANUTENZIONE ORDINARIA

KIT	Item Pos.	Part Number Codice	Description	Descrizione	Q.TY by Pump Q.TA per Pompa	HFR40S	HFR60S	HFR40F	HFR60F	HFR80F	HFR8020S	HFR80S	HFR105S	HFR120S	
A	3x (4- 6- 8- 9 10)	1.099-807.0	PLUNGER SEALS DIA. 30 mm	GUARNIZIONI PISTONE Ø30	1	•	•	•	•	•					
	3x (4- 6 - 9)	1.905-409.0	PLUNGER SEALS DIA. 36 mm	GUARNIZIONI PISTONE Ø36							•				
	3x (4- 6- 9- 10)	1.099-809.0	PLUNGER SEALS DIA. 40 mm	GUARNIZIONI PISTONE Ø40								•	•	•	
B	14- 15 (25- 26- 27- 28- 29- 30) 16	1.905-704.0	COMPLETE VALVE	VALVOLA COMPLETA	1	•	•	•	•	•					
		1.905-705.0								•	•	•	•		

EXTRAORDINARY MAINTENANCE KIT / KIT MANUTENZIONE STRAORDINARIA

KIT	Item Pos.	Part Number Codice	Description	Descrizione	Q.TY by Pump Q.TA per Pompa	HFR40S	HFR60S	HFR40F	HFR60F	HFR80F	HFR8020S	HFR80S	HFR105S	HFR120S	
C	4- 5- 6- 7- 8- 9- 10	1.905-702.0	COMPLETE SEALS PACKING DIA. 30 mm	PACCO COMPLETO GUARNIZIONI PISTONE Ø30	1	•	•	•	•	•					
	4- 5- 6- 7- 9	1.905-410.0	COMPLETE SEALS PACKING DIA. 36 mm	PACCO COMPLETO GUARNIZIONI PISTONE Ø36							•				
	4- 5- 6- 7- 9- 10	1.905-703.0	COMPLETE SEALS PACKING DIA. 40 mm	PACCO COMPLETO GUARNIZIONI PISTONE Ø40									•	•	•
D	40-41- 42- 43- 44	1.099-813.0	PLUNGER DIA. 30 mm	PISTONE Ø30	3	•	•	•	•	•					
		1.905-411.0	PLUNGER DIA. 36 mm	PISTONE Ø36							•				
		1.099-814.0	PLUNGER DIA. 40 mm	PISTONE Ø40									•	•	•
E	3x (2- 3)	1.099-817.0	PLUNGER OIL SEALS	ANELLI TENUTA OLIO ASTA	1										
F	33- 38- 53- 54- 55- 56	1.905-706.0	KIT CRANKCASE SEALS	KIT TENUTE CARTER	1					•					
G	4- 5- 6- 7- 8- 9- 10 11- 12- 13- 14 (25 26- 27- 28- 29- 30) 15- 16-	1.099-818.0	COMPLETE MANIFOLD 30	TESTATA COMPLETA Ø30	1	•	•	•	•	•					
		1.099-819.0	COMPLETE MANIFOLD 40	TESTATA COMPLETA Ø40									•	•	•

	17- 18- 19- 20 -21- 20- 23- 24																			
	4- 5- 6- 7- 9- 10 11- 12- 13- 14 (25 26- 27- 28- 29- 30) 15- 16- 17- 18- 19- 20 -21- 20- 23- 24	1.905-412.0	COMPLETE MANIFOLD 36	TESTATA COMPLETA Ø36																
H	41- 42- 44- 45- 46- 47 48- 49- 50	1.905-707.0	CONNECTING ROD PLUNGER ROD ASSY	PREMONTATO ASTA-BIELLA PISTONE	3															

“Q.TY by Pump” => Necessary quantity to repair one pump
“Q.TA’ per Pompa” => Quantità necessaria per riparare una pompa

TOOL KIT

Part Number Codice	Description	Descrizione	Q.TY by Pump Q.TA per Pompa	HFR40S	HFR60S	HFR40F	HFR60F	HFR80F	HFR8020S	HFR80S	HFR105S	HFR120S
1.904-204.0	TOOL-KIT	TOOL-KIT	1	•	•	•	•	•		•	•	•
1.905-414.0	TOOL-KIT	TOOL-KIT							•			

IMPORTANT
IMPORTANTE

HFR40S

* Part available **ONLY** in kit
Disponibile **SOLO** in kit

(...) Parts pre-assembled
Parti pre-assemblate

PARTS LIST LISTA PARTI

Item Pos	Part Number Codice	Description	Descrizione	KIT	Q.TY Q.T A	HFR60S	HFR40F	HFR60F	HFR80F	HFR8020S	HFR80S	HFR105S	HFR120S	
1	9.851-902.0	CRANKCASE	CARTER		1									
2*		PLUNGER OIL SEAL	ANELLO RADIALE	E	3									
3*		PLASTIC BUSHING	BOCCOLA CORTECO ASTE	E	3									
4*		"O" RING Ø2.62X56,82	"O" RING Ø2.62X56,82	A-C-G	3									
5*		PRESSURE RING 30MM	PRESSORE "U" Ø30	C-G	3	•	•	•	•	•				
		PRESSURE RING 36MM	PRESSORE Ø36								•			
		PRESSURE RING 40MM	PRESSORE "U" Ø40									•	•	•
6*		"VB" SEAL, Ø30x45	ANELLO TENUTA VB Ø30x45	A-C-G	3	•	•	•	•	•				
		"U" SEAL, Ø36x44	GUARN. "U" Ø36x44									•		
		"VB" SEAL, Ø40 LP	ANELLO TENUTA VB Ø40 LP										•	•
7*		INTERMED. RING 30MM	DIFFUSORE INTER. Ø30	C-G	3	•	•	•	•	•				
		INTERMED. RING 36MM	DIFFUSORE INTER. Ø36									•		
		INTERMED. RING 40MM	DIFFUSORE INTER. Ø40										•	•
8*		BACK RING Ø30	ANELLO ANTIESTRUSIONE Ø30	A-C-G	3	•	•	•	•	•				
9*		"V" SEAL, Ø30X45	ANELLO TENUTA "V" Ø30X45	A-C-G	6	•	•	•	•	•				
		"U" SEAL Ø36x46x10,4	GUARN. "U" Ø36x46x10,4										•	
		"V" SEAL, Ø40X50X5,5	ANELLO TENUTA "V" Ø40X50X5,5											•
10*		SUPPORT RING Ø30	DIFFUSORE "V" Ø30	C-G	3	•	•	•	•	•				
		SUPPORT RING Ø40	DIFFUSORE "V" Ø40										•	•
11*		COPPER WASHER	GUARNIZIONE RAME G1	G	1	•	•	•	•	•				
		BONDED SEAL 1" ¼ NBR	BONDED SEAL 1" ¼ NBR										•	•
12*		BRASS PLUG G1"	TAPPO G1" OTTONE	G	1	•	•	•	•	•				
		BRASS PLUG G1" 1/4	TAPPO G1" ¼ OTTONE										•	•
13*		MANIFOLD HOUSING Ø30	TESTATA Ø30	G	1	•	•	•	•	•				
		MANIFOLD HOUSING Ø36	TESTATA Ø36										•	
		MANIFOLD HOUSING Ø40	TESTATA Ø40											•

Item Pos	Part Number Codice	Description	Descrizione	KIT	Q.TY Q.T.A	HF40S	HF60S	HF40F	HF60F	HF80F	HF8020S	HF80S	HF105S	HF120S
14*		VALVE ASSEMBLY	VALVOLA PREMONTATA	B-G	6	•	•	•	•	•				
15*		"O" RING Ø2.62X31,42	"O" RING Ø2.62X31,42	B-G	6							•	•	•
16*		BACK RING	ANELLO ANTIESTRUSIONE											
17*		VALVE PLUG	TAPPO VALVOLA	G	6									
18*		VALVES COVER	COPERCHIO VAM	G	2							•		
19*		VALVE COVER SCREW	VITE TCEI M12X30 UNI 5931		12									
20*		VALVE PLUG SCREW	VITE TE M6X16 UNI 5739		6									
21	9.851-471.0	MANIFOLD STUD BOLT	VITE TCEI M12X140 UNI 5931											
22	9.851-472.0	MANIFOLD STUD BOLT	VITE TCEI M12X120 UNI 5931		4									
23*		COPPER WASHER	GUARNIZIONE RAME G 3/4	G	1							•		
24*		INOX PLUG G3/4	TAPPO G3/4 INOX											
25*		"O" RING Ø2.62X28.25	"O" RING Ø2.62X28.25	B-G	6									
26*		BACK RING	ANELLO ANTIESTRUSORE											
27*		VALVE SEAT	SEDE VALVOLA	B-G	6	•	•	•	•	•				
		VALVE SEAT	SEDE VALVOLA										•	•
28*		VALVE PLATE	PIATTELLO VALVOLA B-G	B-G	6									
29*		VALVE SPRING	MOLLA VALVOLA	B-G	6									
30*		VALVE CAGE	GABBIA VALVOLA											
31	9.851-468.0	BEARING HOUSING SCREW	VITE TCEI M8X25 UNI 5931		12								•	
32	9.850-646.0	CLOSED BEARING SCREW	FLANGIA CHIUSA		1									
33*		"O" RING Ø2.62X120.32	"O" RING Ø2.62X120.32	F	2									
34	9.850-353.0	ROLLER BEARING	CUSCINETTO 32310 RULLI CONICI		2									
35	9.850-181.0	SINGLE - ENDED SHAFT	ALBERO SEMPLICE P.D.F.		1	•								
	9.850-182.0	SINGLE - ENDED SHAFT	ALBERO SEMPLICE P.D.F.		1		•							
	9.850-183.0	SINGLE - ENDED SHAFT	ALBERO SEMPLICE P.D.F.		1			•						
	9.850-184.0	SINGLE - ENDED SHAFT	ALBERO SEMPLICE P.D.F.		1				•			•		
	9.850-185.0	SINGLE - ENDED SHAFT	ALBERO SEMPLICE P.D.F.		1					•	•		•	
	9.850-186.0	SINGLE - ENDED SHAFT	ALBERO SEMPLICE P.D.F.		1									•
36	9.850-449.0	CRANKSHAFT KET	CHIAVETTA		1									
37	9.851-454.0	EYEBOLT	GOLFARE M12		1									
38*		CRANKSHAFT SEAL	ANELLO RADIALE	F	1								•	
39	9.850-645.0	BEARING HOUSING	FLANGIA APERTA		1									
40*		PLUNGER BOLT	VITE PISTONE	D-H	3									
41*		"O" RING Ø1.78X11.11	"O" RING Ø1.78X11.11	D-H	3									
42*		PLUNGER DIA. 30	PISTONE Ø30	D	3	•	•	•	•	•				
		PLUNGER DIA. 36	PISTONE Ø36										•	

