

Hydraulic Pumps - Service Information T7D / T7DS for variable speed drives

Denison Vane - Flügelzellen - Palettes - Palette - Paletas



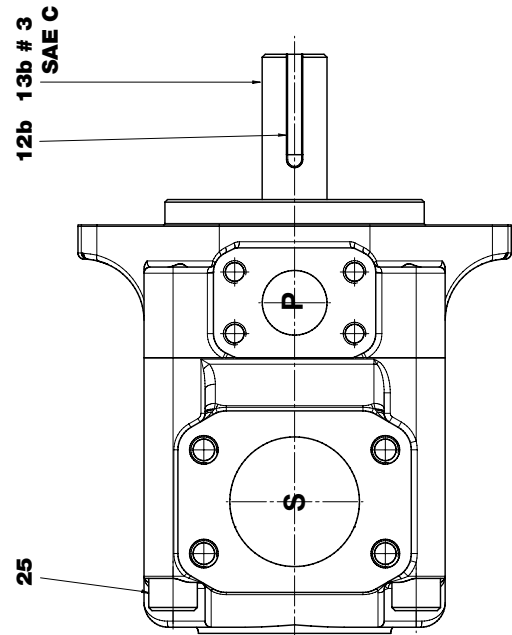
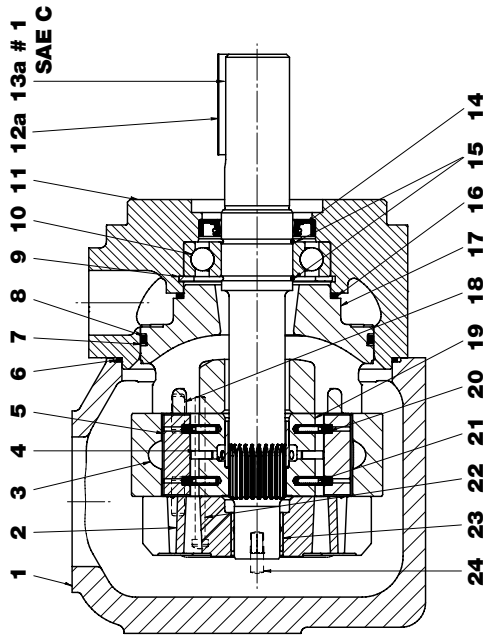
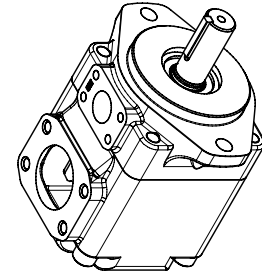
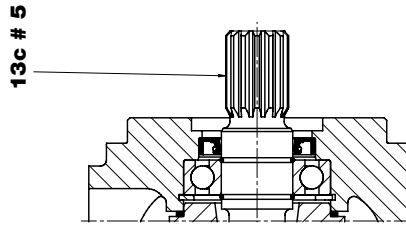
ENGINEERING YOUR SUCCESS.

Drawing

T7D - T7DS

Item - Pos. - Réf. - Pos.	25
Mounting torque	187 Nm 138 ft.lbs
Anziehdrehmoment	
Couple de serrage	
Coppia di serraggio	
Par de apriete	

Recommended repair kits and assy's are bold printed
Empfohlene Austausch - Baugruppen sind fett gedruckt
Les pochettes de rechange recommandées sont imprimées en caractères gras
I kit di ricambio consigliati sono indicati in grassetto
Los juegos de reparacion recomendados y los conjuntos, estan en negrita



Spare part list

Item Pos.	Description	Benennung	Description	Part N°	Part N°	Qty
Ref. Pos.	Descrizione			Teil Nr.	Teil Nr.	Stück
Pos.				Code N°	Code N°	Qté
				Cod. N°	Cod. N°	Q.tà
				Referencia	Referencia	Camt.
				ITD	ITDS	
1	Housing 2.1/2" (metric)	Gehäuse 2.1/2" (Metrisch)	Carter 2.1/2" (métrique)	034-67594-0	034-67594-0	1
	Housing 2.1/2" (metric)	Corpo 2.1/2" (metric)	Carter 2.1/2" (UNC)	034-67747-0	034-67747-0	1
	Housing 2.1/2" (UNC)	Gehäuse 2.1/2" (UNC)				
	Corpo 2.1/2" (UNC)	Corpo 2.1/2" (UNC)				
2	Port plate-rear	Superplata	Plaque arrière	AB	034-67478-0	1
	Plato distribuidor trasero	Plato distribuidor trasero				
	Cam ring 014	Hubring 014	Came 014	A	034-67469-0	1
	Anello camma 014	Aro volumetrico 014				
	Cam ring 017	Hubring 017	Came 017	A	034-67470-0	1
	Anello camma 017	Aro volumetrico 017				
	Cam ring 020	Hubring 020	Came 020	A	034-67159-0	1
	Anello camma 020	Aro volumetrico 020				
	Cam ring 022	Hubring 022	Came 022	A	034-67482-0	1
	Anello camma 022	Aro volumetrico 022				
	Cam ring 024	Hubring 024	Came 024	A	034-67158-0	1
	Anello camma 024	Aro volumetrico 024				
	Cam ring 028	Hubring 028	Came 028	A	034-67157-0	1
	Anello camma 028	Aro volumetrico 028				
	Cam ring 031	Hubring 031	Came 031	A	034-67156-0	1
	Anello camma 031	Aro volumetrico 031				
	Cam ring 035	Hubring 035	Came 035	A	034-67155-0	1
	Anello camma 035	Aro volumetrico 035				
	Cam ring 038	Hubring 038	Came 038	A	034-67154-0	1
	Anello camma 038	Aro volumetrico 038				
	Cam ring 042	Hubring 042	Came 042	A	034-67153-0	1
	Anello camma 042	Aro volumetrico 042				
4	Pin-vane holdout	Stoessel	Poussoir de palette	A	034-59098-0	12
	Pistoncino di sustentamento	Espeja empuje paleta				
5	Vane	Flügel	Palette	A	034-68184-0	12
	Paletta	Paleta				
6	Sq. section seal	Dichtung	Joint section carrée	AF	671-10159-0	1
	Guarnizione	Junta seccion cuadrada				
7	Back-up ring	Stützring	Bague anti-extrusion	AF	618-00011-3	1
	Anello anti-estrusione	Anillo				
8	Sq. section seal	Dichtung	Joint section carrée	AF	691-10244-0	1
	Guarnizione	Junta seccion cuadrada				
9	Retaining ring	Sicherungsring	Circlips		356-32283-0	1
	Anello elastico	Anillo de retencion				
10	Ball bearing	Kugellager	Roulement à billes	CDE	230-00207-0	1
	Cuscinetto a sfera	Cojinete de bolas				
	Mounting cap (metric)	Deckel (Metrisch)	Chapeau de montage (métrique)		034-67485-0	1
	Coperchio (metric)	Tapa de montage (metric)				
	Mounting cap (UNC)	Deckel (UNC)	Chapeau de montage (UNC)		034-47916-0	1
	Coperchio (UNC)	Tapa de montage (UNC)				
12a	Key (code 1)	Paßfeder (Typ 1)	Clavette (code 1)	C	034-46754-0	1
	Chiavetta (codice 1)	Chiaveta (codigo 1)				
12b	Key (code 5)	Paßfeder (Typ 5)	Clavette (code 5)	D	034-30188-0	1
	Chiavetta (codice 5)	Chiaveta (codigo 5)				
13a	Shaft (keyed) (code 1) (SAE C)	Welle für Paßfeder (Typ 1) (SAE C)	Arbre à clavette (code 1) (SAE C)	C	034-70858-0	1
	Albero a chiavetta (codice 1) (SAE C)	Eje chaveteado (codigo 1) (SAE C)				
	Shaft (keyed) (code 5) (ISO 3019-2 - G32M)	Welle für Paßfeder (Typ 5) (ISO 3019-2 - G32M)	Arbre à clavette (code 5) (ISO 3019-2 - G32M)			
	Albero a chiavetta (codice 5) (ISO 3019-2 - G32M)	Eje chaveteado (codigo 5) (ISO 3019-2 - G32M)				



Spare part list

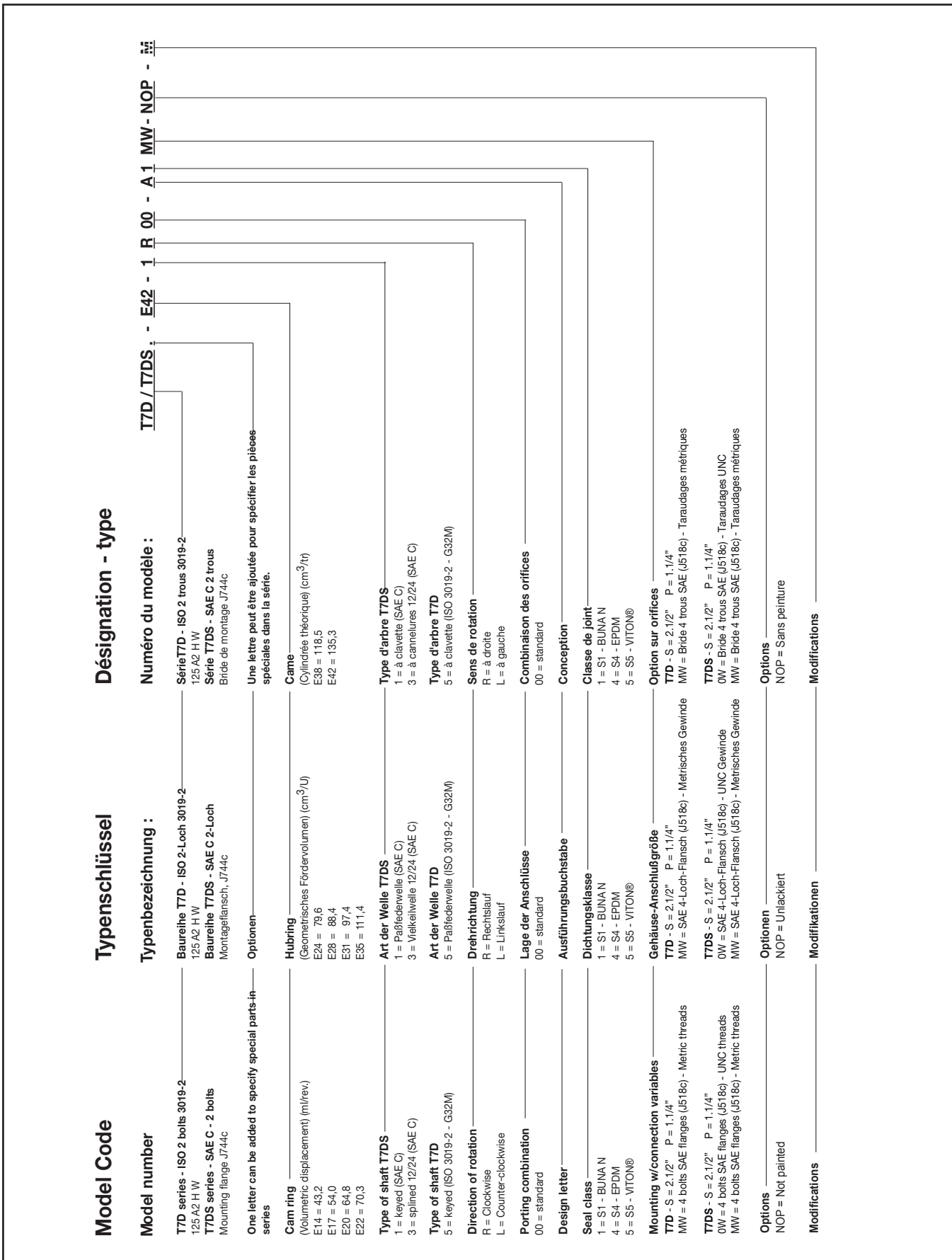
Hydraulic Pumps for variable speed drives
Series T7D*, Denison Vane Pumps

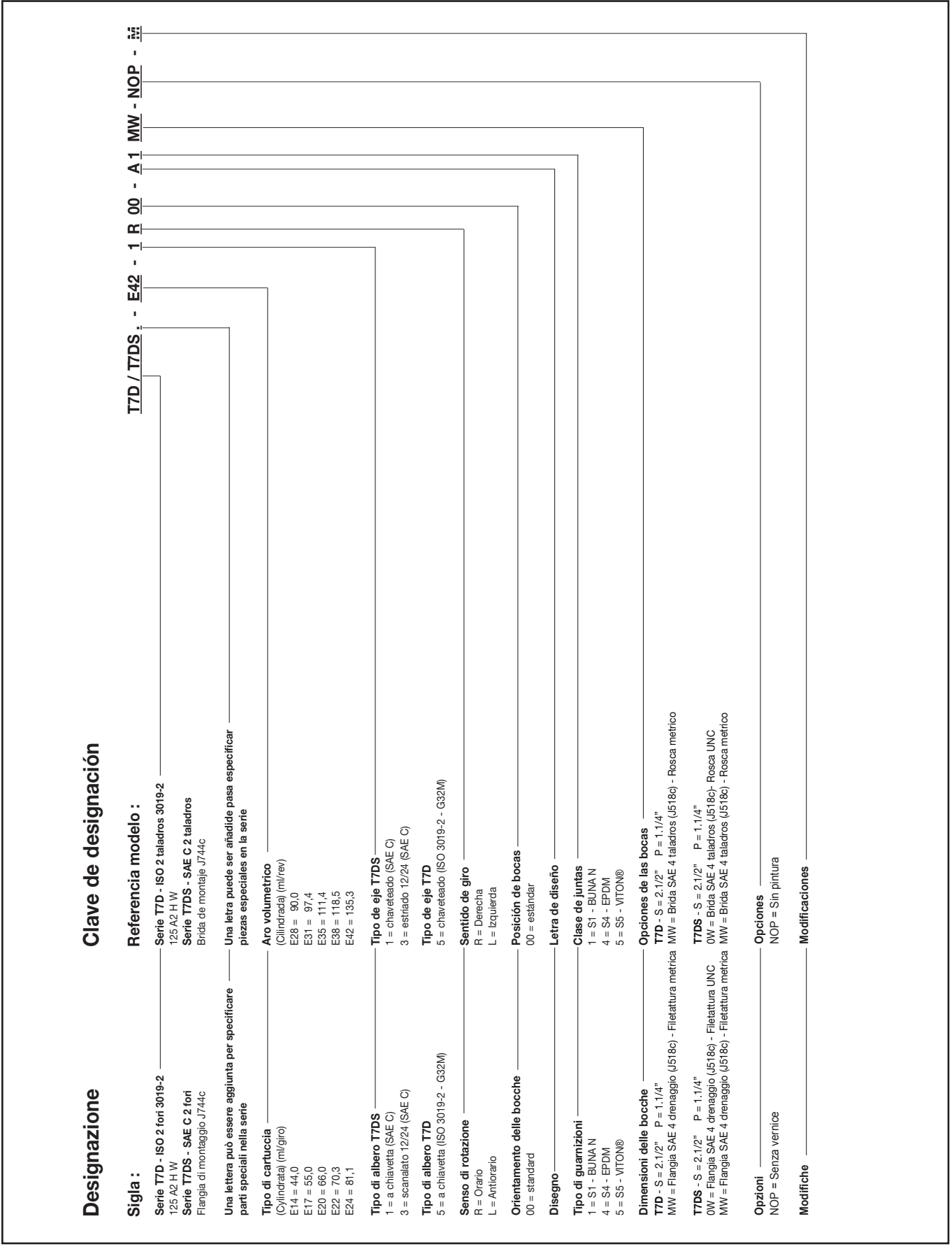
Item Pos.	Description Descrizione	Benennung Descrpcion	Description	Part N° Teil Nr. Code N° Cod. N° Referencia T7D	Part N° Code N° Cod. N° Referencia T7DS	Qty Stück Qté Q.tà Cant.
13c	Shaft (splined) (code 3) (SAE C) Albero scanalato (codice 3) (SAE C)	Vielkeilwelle (Typ 3) (SAE C) Eje estrado (codigo 3) (SAE C)	Arbre à cannelures (code 3) (SAE C)	E	034-70859-0	1
	Shaft seal (S1 - 0,7 bar) Paraolio (S1 - 0,7 bar)	Simmering (S1 - 0,7 bar) Reten eje (S1 - 0,7 bar)	Joint d'arbre (S1 - 0,7 bar)	F	620-82062-0	1
14	Shaft seal (S4 - 7 bar) Paraolio (S4 - 7 bar)	Simmering (S4 - 7 bar) Reten eje (S4 - 7 bar)	Joint d'arbre (S4 - 7 bar)	F	620-82066-0	1
	Shaft seal (S5 - 7 bar) Paraolio (S5 - 7 bar)	Simmering (S5 - 7 bar) Reten eje (S5 - 7 bar)	Joint d'arbre (S5 - 7 bar)	F	620-82066-0	1
15	Round section ring Anello elastico	Sicherungsring Anillo tórico	Anneau	CDE	034-70853-0	2
16	Sq. section seal Guarnizione	Dichtung Junta seccion cuadrada	Joint section carrée	F	691-10232-0	1
17	Port plate-pressure Piatto distributore anter.	Steuerplatte Plato distribuidor-presion	Plaque pression	A	034-67479-0	1
18	Dowel pin Spina	Zentriersift Pasador	Goupille	A	324-21612-0	2
19	Rotor assy Insieme rotore	Rotor Conjunto rotor	Rotor ass.	A	S54-48910-0	1
20	Vane spring Molla	Feder für Flügel Muelle paleta	Ressort de palette	A	034-41676-0	24
21	Spring guide Guida molla	Federführung Guia de muelle	Guide de ressort	A	034-44875-0	24
22	Screw Vite	Schraube Tornille	Vis	A	317-10320-0	2
23	Bush Bussola	Buchse Cojinete de fricción	Bague	AB	034-70868-0	1
24	Dowel pin Spina	Zentriersift Pasador	Goupille	AB	323-82004-0	2
25	Screw Vite	Schraube Tornille	Vis		358-24440-0	4
	REPAIR KIT KIT DI RICAMBIO	AUSTAUSCH-BAUGRUPPEN CUNJUNTO REPARACION	POCHETTES RECHANGES			
A	Cart. and plate ass'y E14 C.W. Ins. cart. E14 oratia	Pumpeneinheit E14 Rechtslauf Conjunto cart. y platos E14 giro d.	Cart. et plaque ass. E14 rot. d.		S54-48922.*	1
A	Cart. and plate ass'y E14 C.C.W. Ins. cart. E14 antioratia	Pumpeneinheit E14 Linkslauf Conjunto cart. y platos E14 giro i.	Cart. et plaque ass. E14 rot. g.		S54-48923.*	1
A	Cart. and plate ass'y E17 C.W. Ins. cart. E17 oratia	Pumpeneinheit E17 Rechtslauf Conjunto cart. y platos E17 giro d.	Cart. et plaque ass. E17 rot. d.		S54-48924.*	1
A	Cart. and plate ass'y E17 C.C.W. Ins. cart. E17 antioratia	Pumpeneinheit E17 Linkslauf Conjunto cart. y platos E17 giro i.	Cart. et plaque ass. E17 rot. g.		S54-48925.*	1
A	Cart. and plate ass'y E20 C.W. Ins. cart. E20 oratia	Pumpeneinheit E20 Rechtslauf Conjunto cart. y platos E20 giro d.	Cart. et plaque ass. E20 rot. d.		S54-48926.*	1
A	Cart. and plate ass'y E20 C.C.W. Ins. cart. E20 antioratia	Pumpeneinheit E20 Linkslauf Conjunto cart. y platos E20 giro i.	Cart. et plaque ass. E20 rot. g.		S54-48927.*	1
A	Cart. and plate ass'y E22 C.W. Ins. cart. E22 oratia	Pumpeneinheit E22 Rechtslauf Conjunto cart. y platos E22 giro d.	Cart. et plaque ass. E22 rot. d.		S54-48928.*	1
A	Cart. and plate ass'y E22 C.C.W. Ins. cart. E22 antioratia	Pumpeneinheit E22 Linkslauf Conjunto cart. y platos E22 giro i.	Cart. et plaque ass. E22 rot. g.		S54-48929.*	1
A	Cart. and plate ass'y E24 C.W. Ins. cart. E24 oratia	Pumpeneinheit E24 Rechtslauf Conjunto cart. y platos E24 giro d.	Cart. et plaque ass. E24 rot. d.		S54-48930.*	1

Spare part list

Item Pos.	Description	Benennung	Description	Part N°	Part N°	Qty
Ref. Pos.	Descrizione	Descrizione		Teil Nr. Code N° Cod. N° Referencia	Teil Nr. Code N° Cod. N° Referencia	Stück Q.té Q.tà Cant.
Pos.				T7D	T7DS	
A	Cart. and plate ass'y E24 C.C.W.	Pumpeneinheit E24 Linkslauf	Cart. et plaque ass. E24 rot. g.	S54-48931.*	S54-48931.*	1
A	Ins. cart. E24 antioraria	Conjunto cart. y platos E24 giro i.				
A	Cart. and plate ass'y E28 C.W.	Pumpeneinheit E28 Rechtslauf	Cart. et plaque ass. E28 rot. d.	S54-48932.*	S54-48932.*	1
A	Ins. cart. E28 oraria	Conjunto cart. y platos E28 giro d.				
A	Cart. and plate ass'y E28 C.C.W.	Pumpeneinheit E28 Linkslauf	Cart. et plaque ass. E28 rot. g.	S54-48933.*	S54-48933.*	1
A	Ins. cart. E28 antioraria	Conjunto cart. y platos E28 giro i.				
A	Cart. and plate ass'y E31 C.W.	Pumpeneinheit E31 Rechtslauf	Cart. et plaque ass. E31 rot. d.	S54-48934.*	S54-48934.*	1
A	Ins. cart. E31 oraria	Conjunto cart. y platos E31 giro d.				
A	Cart. and plate ass'y E31 C.C.W.	Pumpeneinheit E31 Linkslauf	Cart. et plaque ass. E31 rot. g.	S54-48935.*	S54-48935.*	1
A	Ins. cart. E31 antioraria	Conjunto cart. y platos E31 giro i.				
A	Cart. and plate ass'y E35 C.W.	Pumpeneinheit E35 Rechtslauf	Cart. et plaque ass. E35 rot. d.	S54-48936.*	S54-48936.*	1
A	Ins. cart. E35 oraria	Conjunto cart. y platos E35 giro d.				
A	Cart. and plate ass'y E35 C.C.W.	Pumpeneinheit E35 Linkslauf	Cart. et plaque ass. E35 rot. g.	S54-48937.*	S54-48937.*	1
A	Ins. cart. E35 antioraria	Conjunto cart. y platos E35 giro i.				
A	Cart. and plate ass'y E38 C.W.	Pumpeneinheit E38 Rechtslauf	Cart. et plaque ass. E38 rot. d.	S54-48938.*	S54-48938.*	1
A	Ins. cart. E38 oraria	Conjunto cart. y platos E38 giro d.				
A	Cart. and plate ass'y E38 C.C.W.	Pumpeneinheit E38 Linkslauf	Cart. et plaque ass. E38 rot. g.	S54-48939.*	S54-48939.*	1
A	Ins. cart. E38 antioraria	Conjunto cart. y platos E38 giro i.				
A	Cart. and plate ass'y E42 C.W.	Pumpeneinheit E42 Rechtslauf	Cart. et plaque ass. E42 rot. d.	S54-48940.*	S54-48940.*	1
A	Ins. cart. E42 oraria	Conjunto cart. y platos E42 giro d.				
A	Cart. and plate ass'y E42 C.C.W.	Pumpeneinheit E42 Linkslauf	Cart. et plaque ass. E42 rot. g.	S54-48941.*	S54-48941.*	1
A	Ins. cart. E42 antioraria	Conjunto cart. y platos E42 giro i.				
B	Port plate rear ass'y	Steuerplatte	Plaque arrière ass.	S24-76332-0	S24-76332-0	1
C	Shaft and bearing ass'y (code 1)	Baugruppe (Welle u. Lager) (Typ 1)	Arbre et roulement ass. (code 1)	S14-20084-0	S14-20084-0	1
D	Shaft and bearing ass'y (code 5)	Baugruppe (Welle u. Lager) (Typ 5)	Arbre et roulement ass. (code 5)	S24-45064-0	S24-45064-0	1
E	Shaft and bearing ass'y (code 3)	Baugruppe (Welle u. Lager) (Typ 3)	Arbre et roulement ass. (code 3)	S14-20085-0	S14-20085-0	1
F	Seal kit (S1 - 0,7 bar)	Dichtringsatz (S1 - 0,7 bar)	Pochette de joint (S1 - 0,7 bar)	S24-10138-0	S24-10138-0	1
F	Seal kit (S4 - 7 bar)	Dichtringsatz (S4 - 7 bar)	Pochette de joint (S4 - 7 bar)	S24-10138-4	S24-10138-4	1
F	Seal kit (S5 - 7 bar)	Dichtringsatz (S5 - 7 bar)	Pochette de joint (S5 - 7 bar)	S24-10138-5	S24-10138-5	1
	Seal class	Dichtringsatz	Classe de joint	S**.***.*	S**.***.*	
	Tipo di guarnizioni	Classe juntas		S1 BUNA N S**.***.*-0	S1 BUNA N S**.***.*-0	
				S4 EPDM S**.***.*-4	S4 EPDM S**.***.*-4	
				S5 VITON® S**.***.*-5	S5 VITON® S**.***.*-5	







Designazione

Clave de designación

Sigla :

Referencia modelo :

Serie T7D - ISO 2 fori 3019-2
125 A2 H W
Serie T7DS - SAE C 2 fori
Flangia di montaggio J744c

Una lettera può essere aggiunta per specificare parti speciali nella serie

Tipo di cartuccia (ml/giro)
E14 = 44,0
E17 = 55,0
E20 = 66,0
E22 = 70,3
E24 = 81,1

Aro volumetrico (Cilindrata) (ml/rev)
E28 = 90,0
E31 = 97,4
E35 = 111,4
E38 = 118,5
E42 = 135,3

Tipo di albero T7DS
1 = a chiave (SAE C)
3 = scanalato 12/24 (SAE C)

Tipo di albero T7D
5 = a chiave (ISO 3019-2 - G32M)

Senso di rotazione
R =orario
L = Antiorario

Orientamento delle bocche
00 = standard

Disegno

Tipo di guarnizioni
1 = S1 - BUNA N
4 = S4 - EPDM
5 = S5 - VITON®

Dimensioni delle bocche
T7D - S = 2.1/2" P = 1.1/4"
MW = Flangia SAE 4 drenaggio (J518c) - Filettatura metrica

T7DS - S = 2.1/2" P = 1.1/4"
0W = Flangia SAE 4 drenaggio (J518c) - Filettatura UNC
MW = Flangia SAE 4 drenaggio (J518c) - Filettatura metrica

Opzioni
NOP = Senza vernice

Modifiche

Serie T7D - ISO 2 taladros 3019-2
125 A2 H W
Serie T7DS - SAE C 2 taladros
Brida de montaje J744c

Una letra puede ser añadida para especificar piezas especiales en la serie

Aro volumetrico (Cilindrada) (ml/rev)
E28 = 90,0
E31 = 97,4
E35 = 111,4
E38 = 118,5
E42 = 135,3

Tipo de eje T7DS
1 = claveteado (SAE C)
3 = escariado 12/24 (SAE C)

Tipo de eje T7D
5 = claveteado (ISO 3019-2 - G32M)

Sentido de giro
R = Derecha
L = Izquierda

Posición de bocas
00 = estándar

Letra de diseño

Clase de juntas
1 = S1 - BUNA N
4 = S4 - EPDM
5 = S5 - VITON®

Opciones de las bocas
T7D - S = 2.1/2" P = 1.1/4"
MW = Brida SAE 4 taladros (J518c) - Rosca métrica

T7DS - S = 2.1/2" P = 1.1/4"
0W = Brida SAE 4 taladros (J518c) - Rosca UNC
MW = Brida SAE 4 taladros (J518c) - Rosca métrica

Opciones
NOP = Sin pintura

Modificaciones



**WARNING – USER RESPONSIBILITY**

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

- This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.
- The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.
- To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

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NZ – New Zealand, Mt Wellington
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SG – Singapore
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TH – Thailand, Bangkok
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TW – Taiwan, New Taipei City
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VN – Vietnam, Ho Chi Minh City
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BR – Brazil, Cachoeirinha RS
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CL – Chile, Santiago
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MX – Mexico, Toluca
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