

## Hydraulic Pumps - Service Information T7E / T7ES

Denison Vane - Flügelzellen - Palettes - Palette - Paletas

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding

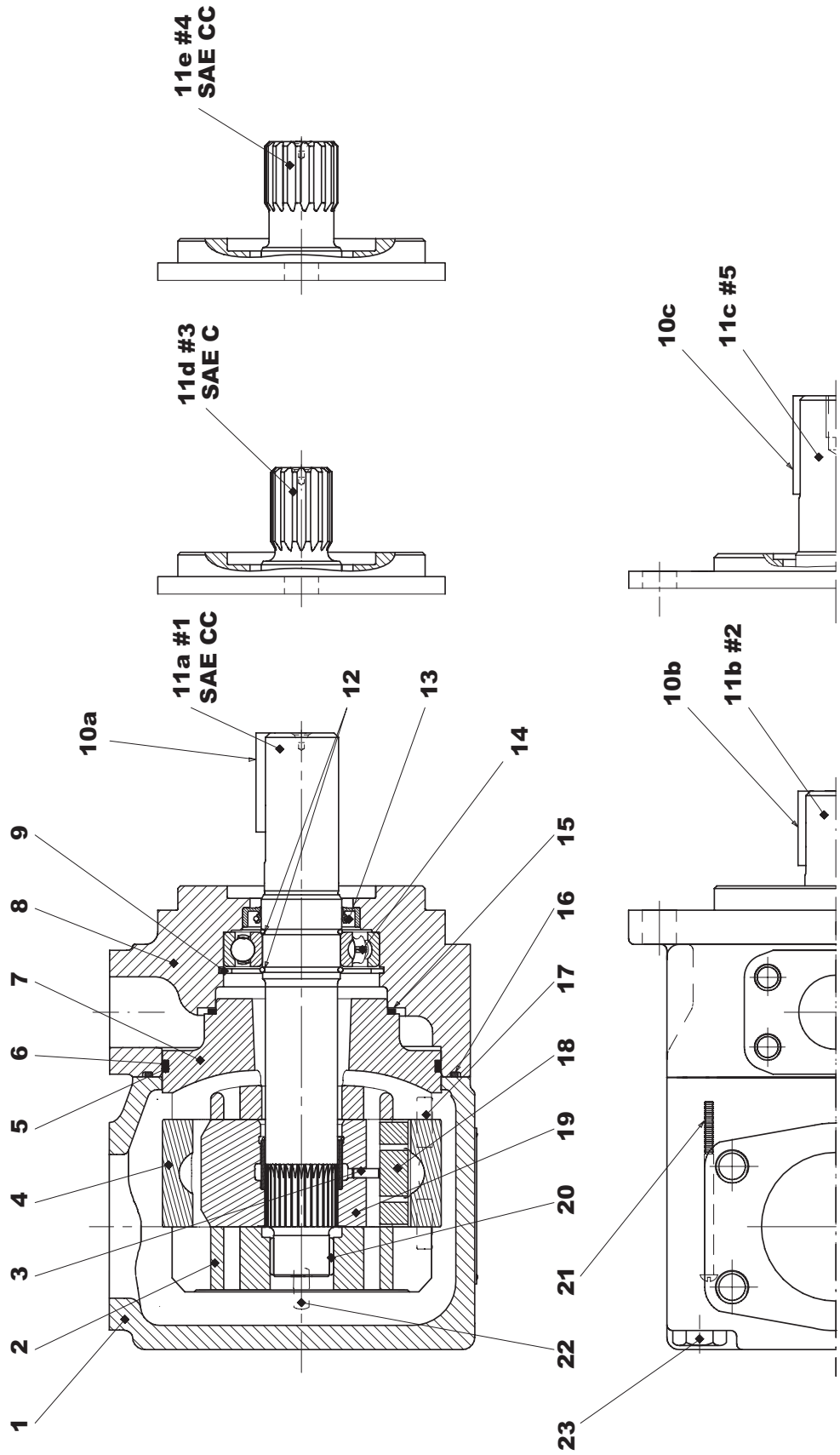


ENGINEERING YOUR SUCCESS.

**T7E - T7ES**

Item - Pos. - Réf. - Pos.	23
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

## Hydraulic Pumps

## Series T7E\*, Denison Vane Pumps

Item Pos. Réf. Pos.	Description	Benennung	Description	Description	Part N° Teil Nr. Code N° Cod. N° Referencia T7E	Part N° Teil Nr. Code N° Cod. N° Referencia T7ES	Qty Stück Qté Qtá Cant.
1	End cap (metric) Coperchio (metrica) End cap (UNC) Coperchio (UNC)	Deckel (Metrisch) Tapa (metrico) Deckel (UNC) Tapa (UNC)	Chapeau (metric) Chapeau (UNC)		034-66742-0	034-66742-0	1
2	Port plate-rear C.C.W. Piatto distributore post. antioraria Port plate-rear C.W. Piatto distributore post. oraria	Steuerplatte Linkslauf Piatto distribuidor trasero giro I Steuerplatte Rechtslauf Piatto distribuidor trasero giro D	Plaque arrière rotation gauche Plaque arrière rotation droite	AH AJ	034-67435-0 034-67407-0	034-67435-0 034-67407-0	1 1
3	Pin-vane holdout Pistoncino di sostentamento	Stößel Espiga empuje paleta	Poussoir de palette	A	034-59161-0	034-59161-0	12
	Cam ring 042 Anello camma 042	Hubring 042 Aro volumetrico 042	Came 042	A	034-67503-0	034-67503-0	1
	Cam ring 045 Anello camma 045	Hubring 045 Aro volumetrico 045	Came 045	A	034-67504-0	034-67504-0	1
	Cam ring 050 Anello camma 050	Hubring 050 Aro volumetrico 050	Came 050	A	034-67505-0	034-67505-0	1
	Cam ring 052 Anello camma 052	Hubring 052 Aro volumetrico 052	Came 052	A	034-67506-0	034-67506-0	1
	Cam ring 054 Anello camma 054	Hubring 054 Aro volumetrico 054	Came 054	A	034-67619-0	034-67619-0	1
4	Cam ring 057 Anello camma 057	Hubring 057 Aro volumetrico 057	Came 057	A	034-67507-0	034-67507-0	1
	Cam ring 062 Anello camma 062	Hubring 062 Aro volumetrico 062	Came 062	A	034-67508-0	034-67508-0	1
	Cam ring 066 Anello camma 066	Hubring 066 Aro volumetrico 066	Came 066	A	034-67509-0	034-67509-0	1
	Cam ring 072 Anello camma 072	Hubring 072 Aro volumetrico 072	Came 072	A	034-67447-0	034-67447-0	1
	Cam ring 085 Anello camma 085	Hubring 085 Aro volumetrico 085	Came 085	A	034-67455-0	034-67455-0	1
5	Back-up ring Anello anti-estrusione	Stützring Anillo	Bague anti-extrusion	AB	618-00012-3	618-00012-3	1
6	Sq. section seal Guarnizione	Dichtring Junta seccion cuadrada	Joint section carrée	AB	691-10253-0	691-10253-0	1
7	Port plate-pressure C.C.W. Piatto distributore anter. antioraria Port plate-pressure C.W. Piatto distributore anter. oraria	Steuerplatte Linkslauf Piatto distribuidor-presion giro I Steuerplatte Rechtslauf Piatto distribuidor-presion giro D	Plaque pression rotation gauche Plaque pression rotation droite	A A	034-67434-0 034-67408-0	034-67434-0 034-67408-0	1 1
8	Mounting cap (metric) Coperchio (metrica) Mounting cap (UNC) Coperchio (UNC)	Deckel (Metrisch) Tapa de montaje 1" (metrico) Deckel (UNC) Tapa de montaje (UNC)	Chapeau de montage (metric) Chapeau de montage (UNC)		034-67644-0	034-66838-0 034-67644-0	1 1
9	Retaining ring Anello elastico	Sicherungsring Anillo de retención	Circlips		356-30315-0	356-30315-0	1
10a	Key (code 1) Chiavetta (codice 1)	Paßfeder (Typ 1) Chaveta (codigo 1)	Clavette (code 1)	C	034-70330	034-70330	1
10b	Key (code 2) Chiavetta (codice 2)	Paßfeder (Typ 2) Chaveta (codigo 2)	Clavette (code 2)	D	034-49676	034-49676	1
10c	Key (code 5) Chiavetta (codice 5)	Paßfeder (Typ 5) Chaveta (codigo 5)	Clavette (code 5)	E	034-30168-0	034-30168-0	1

## Spare part list

## Hydraulic Pumps

## Series T7E\*, Denison Vane Pumps

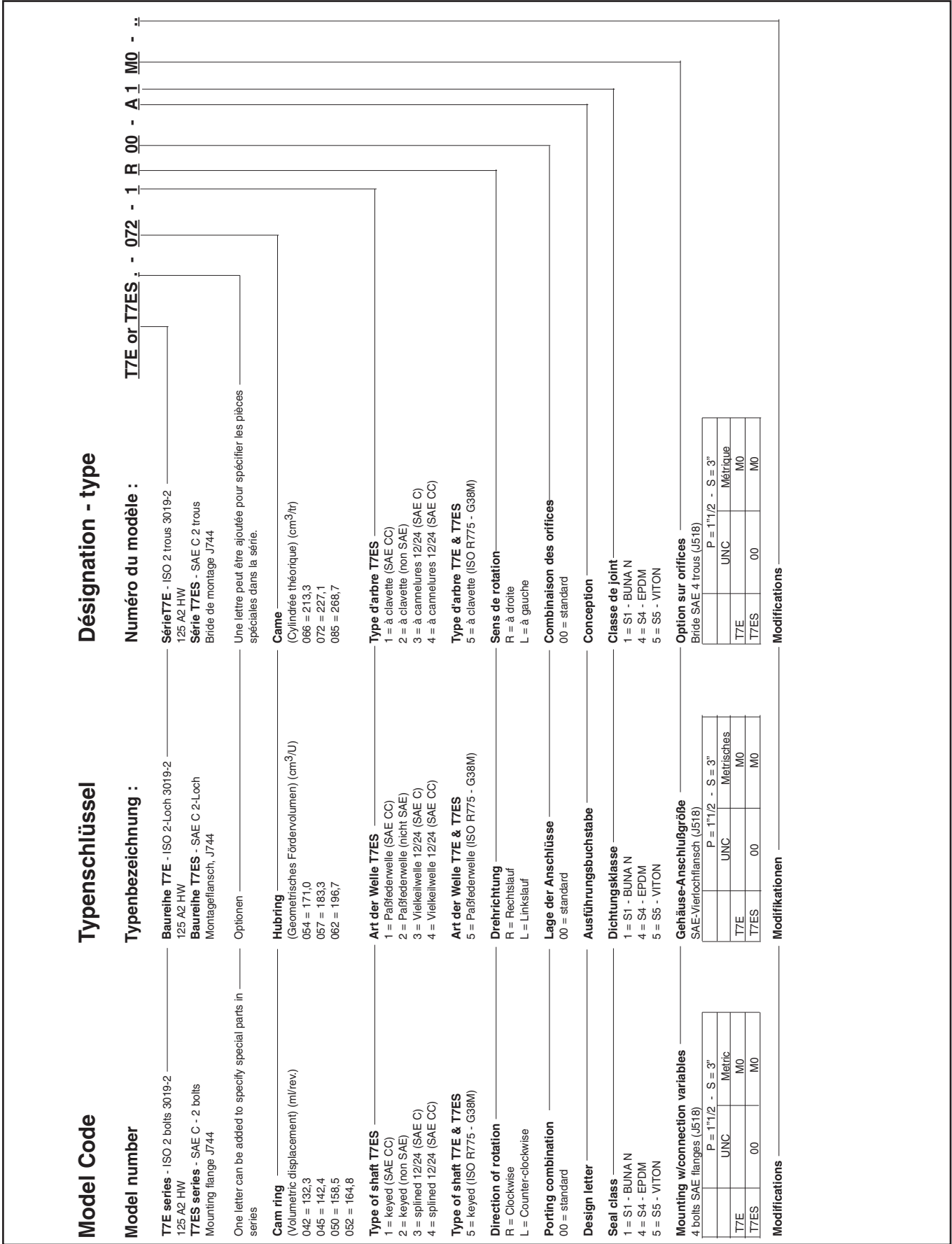
Item Pos. Ref. Pos.	Description Descrizione	Benennung Description	Description	Part N° Teil Nr. Code N° Cod. N° Referencia TTE	Part N° Teil Nr. Code N° Cod. N° Referencia TTES	Qty Stück Qté Q.tà Cant.
11a	Shaft (keyed) (code 1) (SAE CC) Albero a chiavetta (codice 1) (SAE CC)	Welle für Paßfeder (Typ 1) (SAE CC) Eje chaveteado (codigo 1) (SAE CC)	Arbre à clavette (code 1) (SAE CC)	C	034-71076-0	1
11b	Shaft (keyed) (code 2) Albero a chiavetta (codice 2)	Welle für Paßfeder (Typ 2) Eje chaveteado (codigo 2)	Arbre à clavette (code 2)	D	034-66890-0	1
11c	Shaft (keyed) (code 5) (ISO R775 - G38M) Albero a chiavetta (codice 5) (ISO R775 - G38M)	Welle für Paßfeder (Typ 5) (ISO R775 - G38M) Eje chaveteado (codigo 5) (ISO R775 - G38M)	Arbre à clavette (code 5) (ISO R775 - G38M)	E	034-67645-0	1
11d	Shaft (splined) (code 3) (SAE CC) Albero a scanalato (codice 3) (SAE CC)	Veikeliwelle (Typ 3) (SAE CC) Eje estriado (codigo 3) (SAE CC)	Arbre à cannelures (code 3) (SAE CC)	F	034-71077-0	1
11e	Shaft (splined) (code 4) (SAE C) Albero scanalato (codice 4) (SAE C)	Veikeliwelle (Typ 4) (SAE C) Eje estriado (codigo 4) (SAE C)	Arbre à cannelures (code 4) (SAE C)	G	034-53515-0	1
12	Round section ring Anello elastico	Sicherungsring Anillo tónico	Anneau	CDE FG	034-70866-0	2
13	Shaft seal (S1 - 0,7 bar) Paraolio (S1 - 0,7 bar)	Simmerring (S1 - 0,7 bar) Reten eje (S1 - 0,7 bar)	Joint d'arbre (S1 - 0,7 bar)	B	620-82064-0	1
14	Shaft seal (S4 - S5 - 7 bar) Paraolio (S4 - S5 - 7 bar)	Simmerring (S4 - S5 - 7 bar) Reten eje (S4 - S5 - 7 bar)	Joint d'arbre (S4 - S5 - 7 bar)	B	620-82072-0	1
15	Ball bearing Cuscinetto a sfera	Kugellager Cojinete de bolas	Roulement à billes	CDE FG	230-03208-0	1
16	Sq. section seal Guarnizione	Dichtring Junta seccion cuadrada	Joint section carrée	AB	691-10237-0	1
17	Sq. section seal Guarnizione	Dichtring Junta seccion cuadrada	Joint section carrée	AB	671-10259-0	1
18	Dowel pin Spina	Zentrierstift Pasador	Goupille	A	324-22016-0	2
19	Vane Paletta	Flügel Paleta	Palette	A	034-59162-0	12
20	Rotor ass'y Insieme rotore	Rotor Conjunto rotor	Rotor ass.	A	S24-10185-0	1
21	Bush Bussola	Buchse Cojinete de fricción	Bague	AHJ	034-59901-0	1
22	Screw Vite	Schraube Tornille	Vis	A	310-10340-0	2
23	Dowel pin Spina	Zentrierstift Pasador	Goupille	ABJH	323-82014-0	1
24	Screw Vite	Schraube Tornille	Vis		306-40159-0	4
	<b>REPAIR KIT</b>	<b>AUSTAUSCH-BAUGRUPPEN</b>	<b>POCHETTES RECHANGES</b>			
	<b>KIT DI RICAMBIO</b>	<b>CUNJUNTO REPARACION</b>				
A	Cart. and plate ass'y 042 C.W. Ins. cart. 042 oraria	Pumpeneinheit 042 Rechtslauf Conjunto cart.y platos 042 giro d.	Cart. et plaque ass. 042 rot. d.		S24-77575-0	1
A	Cart. and plate ass'y 042 C.C.W. Ins. cart. 042 antioraria	Pumpeneinheit 042 Linkslauf Conjunto cart.y platos 042 giro i.	Cart. et plaque ass. 042 rot. g.		S24-77576-0	1
A	Cart. and plate ass'y 045 C.W. Ins. cart. 045 oraria	Pumpeneinheit 045 Rechtslauf Conjunto cart.y platos 045 giro d.	Cart. et plaque ass. 045 rot. d.		S24-77577-0	1
A	Cart. and plate ass'y 045 C.C.W. Ins. cart. 045 antioraria	Pumpeneinheit 045 Linkslauf Conjunto cart.y platos 045 giro i.	Cart. et plaque ass. 045 rot. g.		S24-77578-0	1
A	Cart. and plate ass'y 050 C.W. Ins. cart. 050 oraria	Pumpeneinheit 050 Rechtslauf Conjunto cart.y platos 050 giro d.	Cart. et plaque ass. 050 rot. d.		S24-77579-0	1

## Spare part list

## Hydraulic Pumps

## Series T7E\*, Denison Vane Pumps

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	Cant.
				T7E	T7ES	
A	Cart. and plate ass'y 050 C.C.W. Ins. cart. 050 antioraria	Pumpeneinheit 050 Linkslauf Conjunto cart. y platos 050 giro i.	Cart. et plaque ass. 050 rot. g.	S24-77580-0	S24-77580-0	1
A	Cart. and plate ass'y 052 C.W. Ins. cart. 052 oraria	Pumpeneinheit 052 Rechtslauf Conjunto cart. y platos 052 giro d.	Cart. et plaque ass. 052 rot. d.	S24-77581-0	S24-77581-0	1
A	Cart. and plate ass'y 052 C.C.W. Ins. cart. 052 antioraria	Pumpeneinheit 052 Linkslauf Conjunto cart. y platos 052 giro i.	Cart. et plaque ass. 052 rot. g.	S24-77582-0	S24-77582-0	1
A	Cart. and plate ass'y 054 C.W. Ins. cart. 054 oraria	Pumpeneinheit 054 Rechtslauf Conjunto cart. y platos 054 giro d.	Cart. et plaque ass. 054 rot. d.	S24-77583-0	S24-77583-0	1
A	Cart. and plate ass'y 054 C.C.W. Ins. cart. 054 antioraria	Pumpeneinheit 054 Linkslauf Conjunto cart. y platos 054 giro i.	Cart. et plaque ass. 054 rot. g.	S24-77584-0	S24-77584-0	1
A	Cart. and plate ass'y 057 C.W. Ins. cart. 057 oraria	Pumpeneinheit 057 Rechtslauf Conjunto cart. y platos 057 giro d.	Cart. et plaque ass. 057 rot. d.	S24-77585-0	S24-77585-0	1
A	Cart. and plate ass'y 057 C.C.W. Ins. cart. 057 antioraria	Pumpeneinheit 057 Linkslauf Conjunto cart. y platos 057 giro i.	Cart. et plaque ass. 057 rot. g.	S24-77586-0	S24-77586-0	1
A	Cart. and plate ass'y 062 C.W. Ins. cart. 062 oraria	Pumpeneinheit 062 Rechtslauf Conjunto cart. y platos 062 giro d.	Cart. et plaque ass. 062 rot. d.	S24-77587-0	S24-77587-0	1
A	Cart. and plate ass'y 062 C.C.W. Ins. cart. 062 antioraria	Pumpeneinheit 062 Linkslauf Conjunto cart. y platos 062 giro i.	Cart. et plaque ass. 062 rot. g.	S24-77588-0	S24-77588-0	1
A	Cart. and plate ass'y 066 C.W. Ins. cart. 066 oraria	Pumpeneinheit 066 Rechtslauf Conjunto cart. y platos 066 giro d.	Cart. et plaque ass. 066 rot. d.	S24-77589-0	S24-77589-0	1
A	Cart. and plate ass'y 066 C.C.W. Ins. cart. 066 antioraria	Pumpeneinheit 066 Linkslauf Conjunto cart. y platos 066 giro i.	Cart. et plaque ass. 066 rot. g.	S24-77590-0	S24-77590-0	1
A	Cart. and plate ass'y 072 C.W. Ins. cart. 072 oraria	Pumpeneinheit 072 Rechtslauf Conjunto cart. y platos 072 giro d.	Cart. et plaque ass. 072 rot. d.	S24-77591-0	S24-77591-0	1
A	Cart. and plate ass'y 072 C.C.W. Ins. cart. 072 antioraria	Pumpeneinheit 072 Linkslauf Conjunto cart. y platos 072 giro i.	Cart. et plaque ass. 072 rot. g.	S24-77592-0	S24-77592-0	1
A	Cart. and plate ass'y 085 C.W. Ins. cart. 085 oraria	Pumpeneinheit 085 Rechtslauf Conjunto cart. y platos 085 giro d.	Cart. et plaque ass. 085 rot. d.	S24-77593-0	S24-77593-0	1
A	Cart. and plate ass'y 085 C.C.W. Ins. cart. 085 antioraria	Pumpeneinheit 085 Linkslauf Conjunto cart. y platos 085 giro i.	Cart. et plaque ass. 085 rot. g.	S24-77594-0	S24-77594-0	1
B	Seal kit (S1 - 0,7 bar) Serie guarnizioni (S1 - 0,7 bar)	Dichtungsatz (S1 - 0,7 bar)	Pochette de joint (S1 - 0,7 bar)	S24-10186-0	S24-10186-0	1
B	Seal kit (S4 - 7 bar) Serie guarnizioni (S4 - 7 bar)	Dichtungsatz (S4 - 7 bar)	Pochette de joint (S4 - 7 bar)	S24-10186-4	S24-10186-4	1
B	Seal kit (S5 - 7 bar) Serie guarnizioni (S5 - 7 bar)	Dichtungsatz (S5 - 7 bar)	Pochette de joint (S5 - 7 bar)	S24-10186-5	S24-10186-5	1
C	Shaft and bearing ass'y (code 1) Ins. albero (codice 1)	Baugruppe (Welle u. Lager) (Typ 1) Conjunto eje cojinete (codigo 1)	Arbre et roulement ass. (code 1)	S14-28174-0	S14-28174-0	1
D	Shaft and bearing ass'y (code 2) Ins. albero (codice 2)	Baugruppe (Welle u. Lager) (Typ 2) Conjunto eje cojinete (codigo 2)	Arbre et roulement ass. (code 2)	S24-49212-0	S24-49212-0	1
E	Shaft and bearing ass'y (code 3) Ins. albero (codice 3)	Baugruppe (Welle u. Lager) (Typ 3) Conjunto eje cojinete (codigo 3)	Arbre et roulement ass. (code 3)	S14-28173-0	S14-28173-0	1
F	Shaft and bearing ass'y (code 4) Ins. albero (codice 4)	Baugruppe (Welle u. Lager) (Typ 4) Conjunto eje cojinete (codigo 4)	Arbre et roulement ass. (code 4)	S24-00092-0	S24-00092-0	1
G	Shaft and bearing ass'y (code 5) Ins. albero (codice 5)	Baugruppe (Welle u. Lager) (Typ 5) Conjunto eje cojinete (codigo 5)	Arbre et roulement ass. (code 5)	S24-76750-0	S24-76750-0	1
H	Port plate rear ass'y C.C.W. Ins. piatto distributore post. antioraria	Steuerplatte Linkslauf Conj. piatto dist. trasero giro l	Plaque arrière ass. rot. gauche	S24-72258-0	S24-72258-0	1
J	Port plate rear ass'y C.W. Ins. piatto distributore post. oraria	Steuerplatte Rechtslauf Conj. piatto dist. trasero giro D	Plaque arrière ass. rot. droite	S24-72257-0	S24-72257-0	1



**Designazione**

**Clave de designación**

**Sigla :**

**Referencia modelo :**

Serie T7E - ISO 2 fori 3019-2  
125 A2 HW  
Serie T7ES - SAE C 2 fori  
Flangia di montaggio J744  
Una lettera può essere aggiunta per specificare parti speciali nella serie

Serie T7E - ISO 2 taladros 3019-2  
125 A2 HW  
Serie T7ES - SAE C 2 taladros  
Brida de montaje J744  
Una letra puede ser añadida para especificar piezas especiales en la serie

T7E or T7ES - 072 - 1 R 00 - A 1 M0 -

**Tipo di cartuccia**

**Aro volumetrico**

(Cilindrata) (ml/giro)  
042 = 132,3  
045 = 142,4  
050 = 158,5  
052 = 164,8  
054 = 171,0

(Cilindrada) (ml/rev)  
057 = 183,3  
062 = 196,7  
066 = 213,3  
072 = 227,1  
085 = 268,7

**Tipo di albero T7ES**

**Tipo de eje T7ES**

1 = a chiave (SAE CC)  
2 = a chiave  
3 = scanalato 12/24 (SAE C)  
4 = scanalato 12/24 (SAE CC)

1 = chaveteado (SAE CC)  
2 = chaveteado (no SAE)  
3 = estriado 12/24 (SAE C)  
4 = estriado 12/24 (SAE CC)

**Tipo di albero T7E & T7ES**

5 = a chiave (ISO R775 - G38M)

5 = chaveteado (ISO R775 - G38M)

**Senso di rotazione**

**Sentido de giro**

R =orario  
L =antiorario

R = Derecha  
L = Izquierda

**Orientamento delle bocche**

**Posición de bocas**

00 = standard

00 = estándar

**Disegno**

**Letra de diseño**

**Tipo di guarnizioni**

**Clase de juntas**

1 = S1 - BUNA N  
4 = S4 - EPDM  
5 = S5 - VITON

1 = S1 - BUNA N  
4 = S4 - EPDM  
5 = S5 - VITON

**Dimensioni delle bocche**

**Opciones de las bocas**

Flangia SAE 4 drenaggio (J518)

Brida SAE 4 taladros (J518)

P = 1"1/2 - S = 3"	
UNC	Metrica
T7E	M0
T7ES	M0

P = 1"1/2 - S = 3"	
UNC	Metrico
T7E	M0
T7ES	M0

**Modifiche**

**Modificaciones**



**Warning****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.

**Offer of Sale**

Please contact your Parker representation for a detailed "Offer of Sale".



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