

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

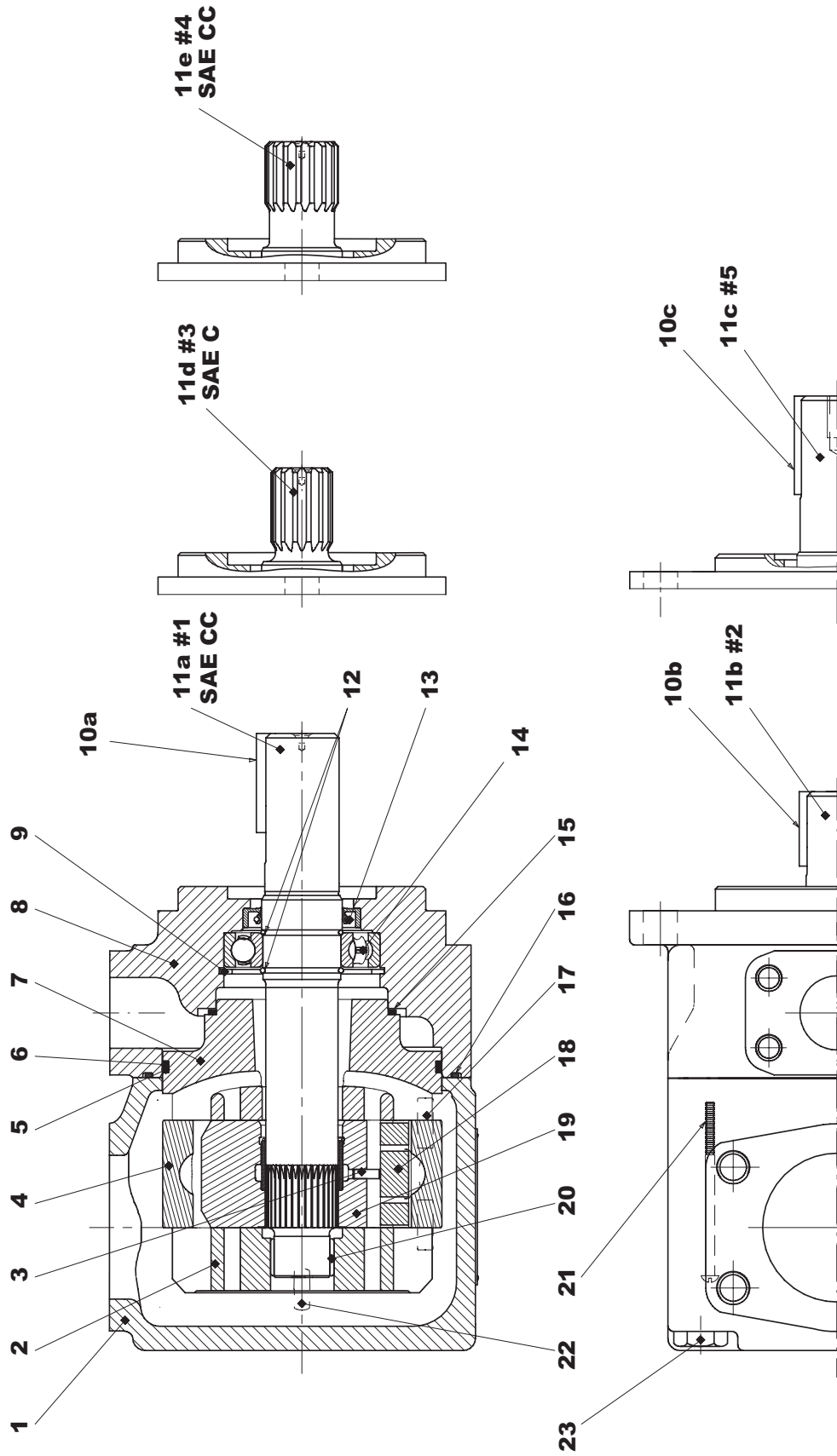


ENGINEERING YOUR SUCCESS.

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



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
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
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
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

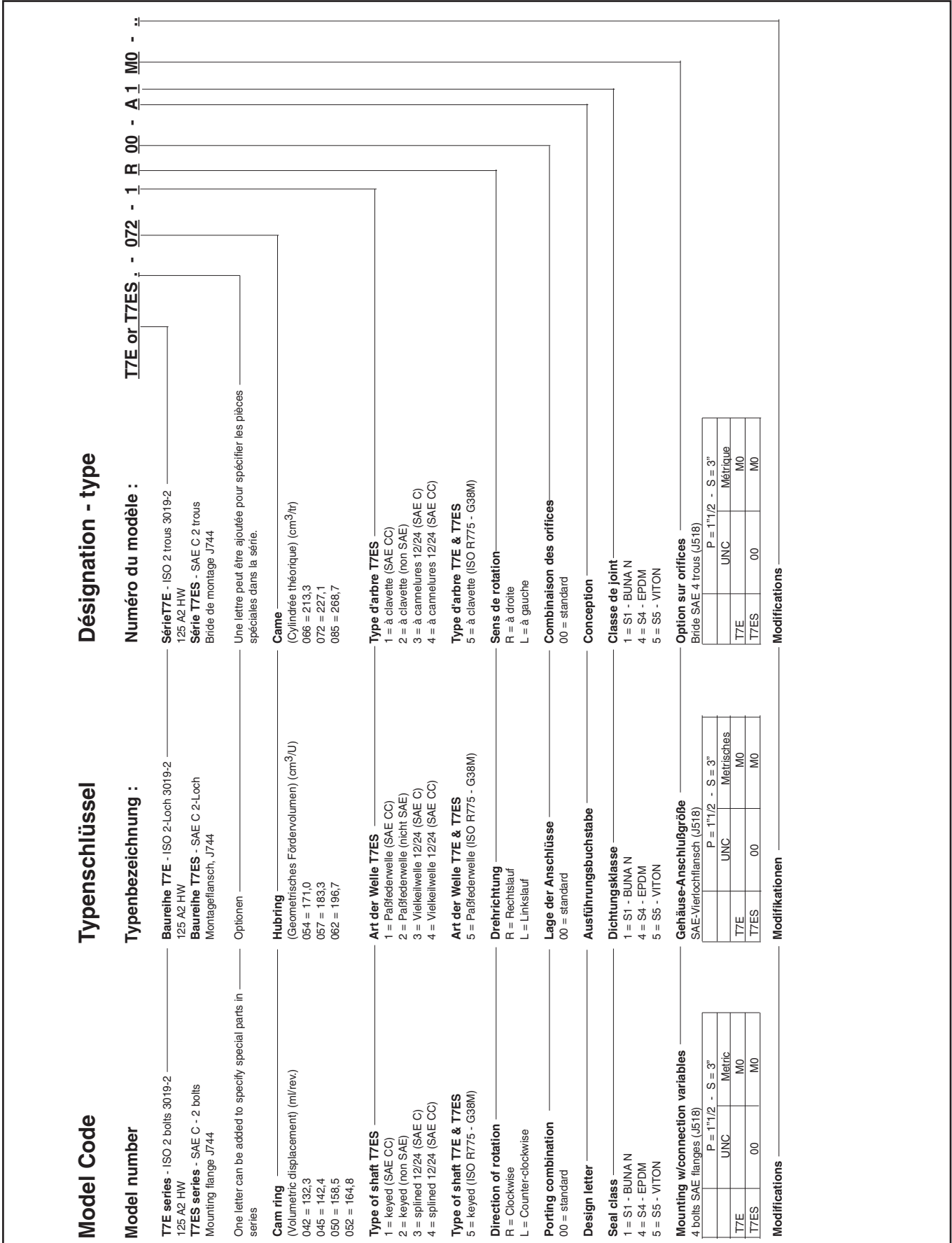
Item Pos. Ref. Pos.	Description Descrizione	Benennung Description	Description	Part N° Teil Nr. Code N° Cod. N° Referencia T7E	Part N° Teil Nr. Code N° Cod. N° Referencia T7ES	Qty Stück Qté Q.tà Cant.
11a	Shaft (keyed) (code 1) (SAE CC) Albero a chiavetta (codice 1) (SAE CC)	Welle für Paßfeder (Typ 1) (SAE CC) Eje chaveteado (codigo 1) (SAE CC)	Arbre à clavette (code 1) (SAE CC)		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)		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)		034-67645-0	1
11d	Shaft (splined) (code 3) (SAE CC) Albero a scanalato (codice 3) (SAE CC)	Velkeilwelle (Typ 3) (SAE CC) Eje estriado (codigo 3) (SAE CC)	Arbre à cannelures (code 3) (SAE CC)		034-71077-0	1
11e	Shaft (splined) (code 4) (SAE C) Albero scanalato (codice 4) (SAE C)	Velkeilwelle (Typ 4) (SAE C) Eje estriado (codigo 4) (SAE C)	Arbre à cannelures (code 4) (SAE C)		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
	REPAIR KIT	AUSTAUSCH-BAUGRUPPEN	POCHETTES RECHANGES			
	KIT DI RICAMBIO	CUNJUNTO REPARACION				
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. Réf. Pos. Pos.	Description Descrizione	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 Q.tà Cant.
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



Désignation - type

Typenschlüssel

Model Code

Model number **Numéro du modèle :** **T7E or T7ES - 072 - 1 R 00 - A 1 M0**

T7E series - ISO 2 bolts 3019-2
125 A2 HW
T7ES series - SAE C - 2 bolts
Mounting flange J744
Options
One letter can be added to specify special parts in series

Cam ring
(Volumetric displacement) (ml/rev)
042 = 132,3
045 = 142,4
050 = 158,5
052 = 164,8

Hubring
(Geometrisches Fördervolumen) (cm³/U)
054 = 171,0
057 = 183,3
062 = 196,7

Art der Welle T7ES
1 = Paßfederveille (SAE CC)
2 = keyed (non SAE)
3 = splined 12/24 (SAE C)
4 = splined 12/24 (SAE CC)

Art der Welle T7E & T7ES
5 = Paßfederveille (ISO R775 - G38M)

Direction of rotation
R = Clockwise
L = Counter-clockwise

Porting combination
00 = standard

Design letter

Seal class
1 = S1 - Buna N
4 = S4 - EPDM
5 = S5 - Viton

Mounting w/connection variables
4 bolts SAE flanges (J518)
P = 1"1/2 - S = 3"
UNC
Metric
M0
M0

Gehäuse-Anschlußgröße
SAE-Vierlochflansch (J518)
P = 1"1/2 - S = 3"
UNC
Metric
M0
M0

Option sur orifices
Bride SAE 4 trous (J518)
P = 1"1/2 - S = 3"
UNC
Metric
M0
M0

Modifications

Modifikationen

Modifications

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

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

Tipo di albero T7ES
1 = a chiave (SAE CC)
2 = a chiave
3 = scanalato 12/24 (SAE C)
4 = scanalato 12/24 (SAE CC)

Tipo de eje T7ES
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)

Tipo de eje T7E & T7ES
5 = chaveteado (ISO R775 - G38M)

Senso di rotazione
R =orario
L =antiorario

Sentido de giro
R = Derecha
L = Izquierda

Orientamento delle bocche
00 = standard

Posición de bocas
00 = estándar

Disegno

Letra de diseño

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

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

Dimensioni delle bocche
Flangia SAE 4 drenaggio (J518)

Opciones de las bocas
Brida SAE 4 taladros (J518)

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

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

Modifiche

Modificaciones



Warning**WARNING — USER RESPONSIBILITY**

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- 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".

Parker Worldwide

Europe, Middle East, Africa

AE – United Arab Emirates,
Dubai

Tel: +971 4 8127100
parker.me@parker.com

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener
Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AZ – Azerbaijan, Baku
Tel: +994 50 22 33 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BG – Bulgaria, Sofia
Tel: +359 2 980 1344
parker.bulgaria@parker.com

BY – Belarus, Minsk
Tel: +375 17 209 9399
parker.belarus@parker.com

CH – Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HU – Hungary, Budaörs
Tel: +36 23 885 470
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

KZ – Kazakhstan, Almaty
Tel: +7 7273 561 000
parker.easteurope@parker.com

NL – The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

UA – Ukraine, Kiev
Tel: +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

ZA – South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

North America

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

US – USA, Cleveland
(industrial)
Tel: +1 216 896 3000

US – USA, Elk Grove Village
(mobile)
Tel: +1 847 258 6200

Asia Pacific

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

CN – China, Shanghai
Tel: +86 21 2899 5000

HK – Hong Kong
Tel: +852 2428 8008

ID – Indonesia, Tangerang
Tel: +62 21 7588 1906

IN – India, Mumbai
Tel: +91 22 6513 7081-85

JP – Japan, Fujisawa
Tel: +81 (0)4 6635 3050

KR – South Korea, Seoul
Tel: +82 2 559 0400

MY – Malaysia, Shah Alam
Tel: +60 3 7849 0800

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

SG – Singapore
Tel: +65 6887 6300

TH – Thailand, Bangkok
Tel: +662 186 7000

TW – Taiwan, New Taipei City
Tel: +886 2 2298 8987

VN – Vietnam, Ho Chi Minh City
Tel: +84 8 3999 1600

South America

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

BR – Brazil, Cachoeirinha RS
Tel: +55 51 3470 9144

CL – Chile, Santiago
Tel: +56 2 623 1216

MX – Mexico, Toluca
Tel: +52 72 2275 4200



EMEA Product Information Centre

Free phone: 00 800 27 27 5374

(from AT, BE, CH, CZ, DE, DK, EE, ES, FI, FR, IE, IL,
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Toll-free number: 1-800-27 27 537

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