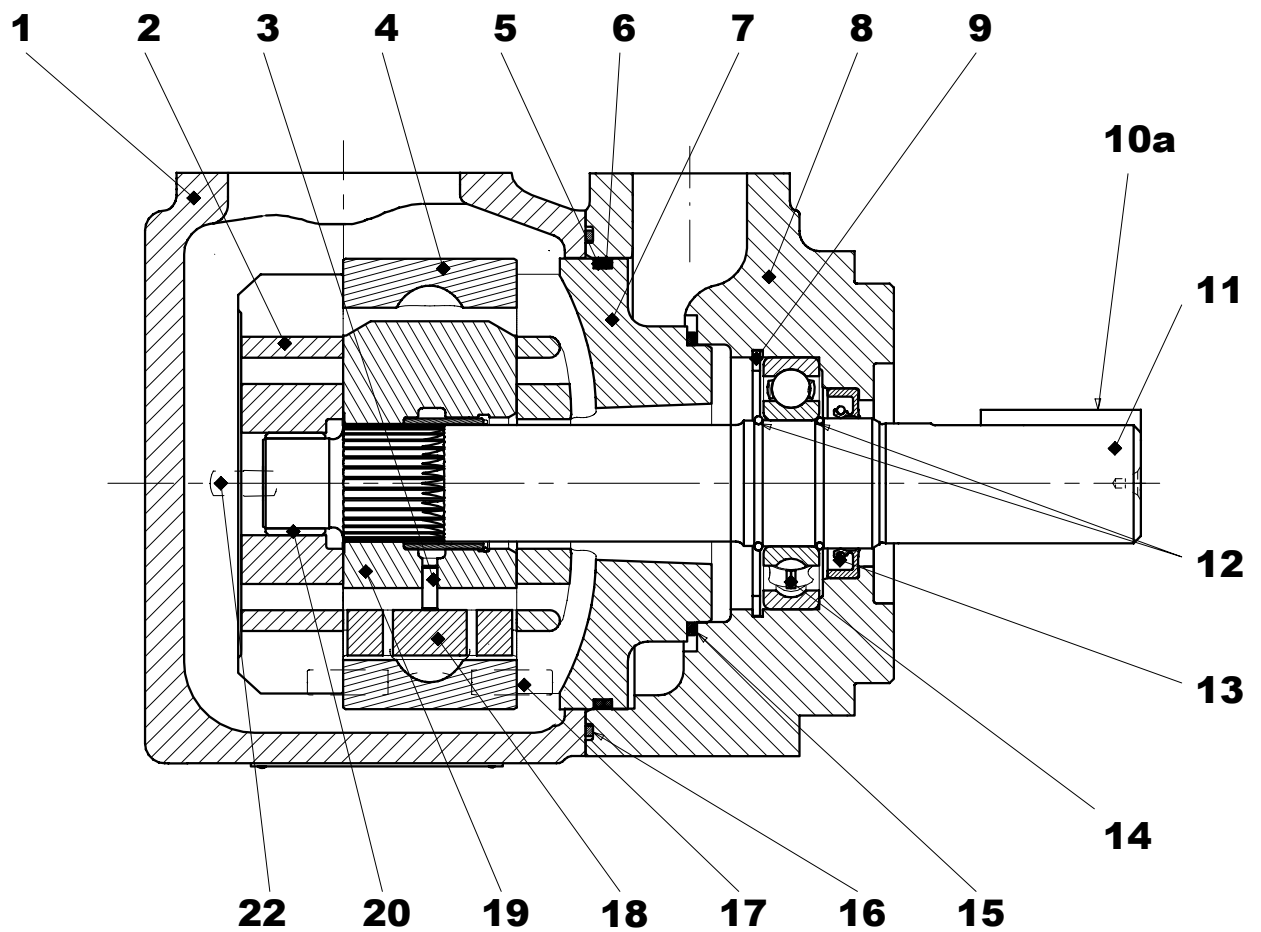




Hydraulic Pumps - Service Information T7E / T7ES

Denison Vane - Flügelzellen - Palettes - Palette - Paletas

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

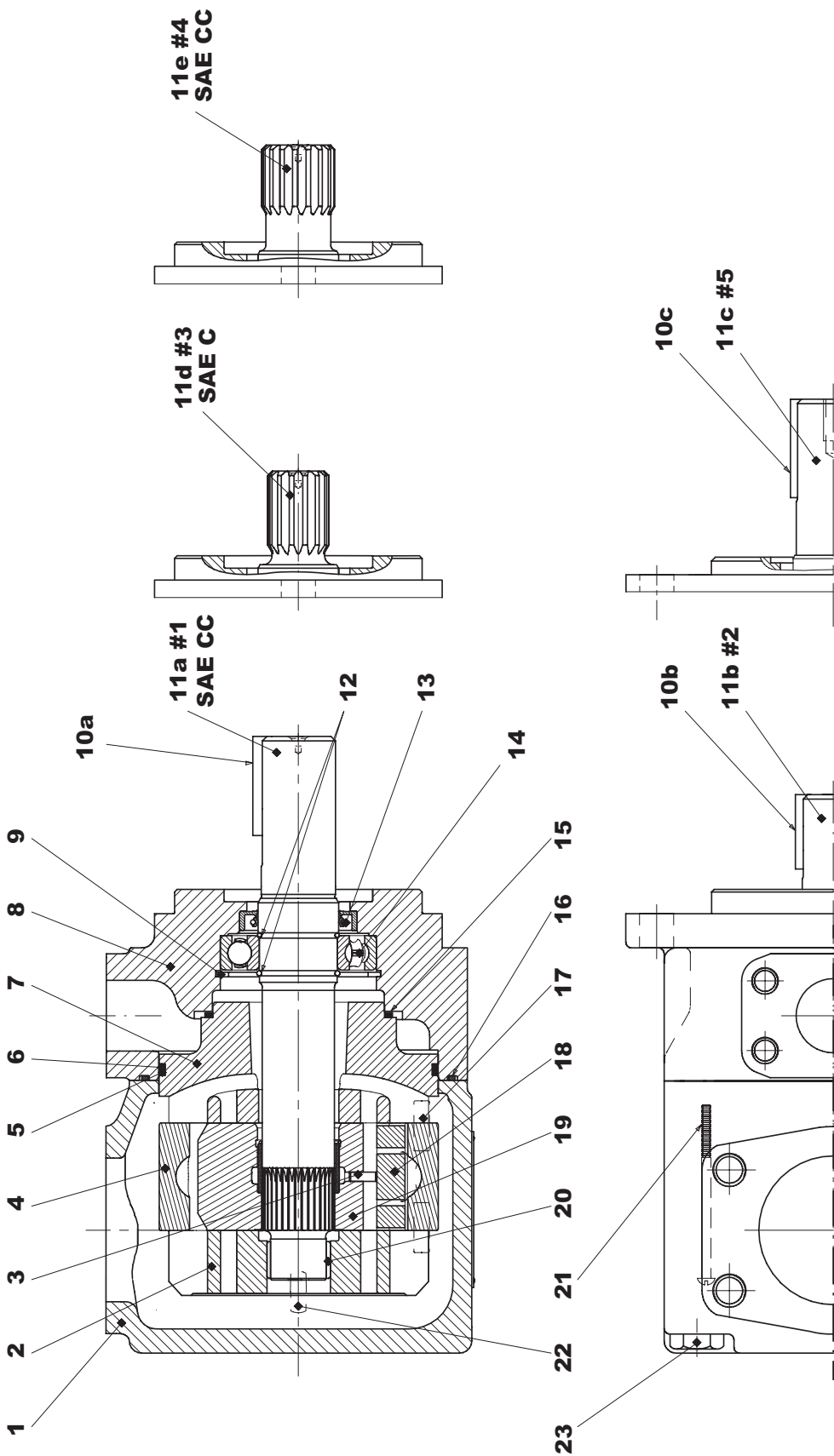


ENGINEERING YOUR SUCCESS.

T7E - T7ES

Item - Pos. - Réf. - Pos.	23
Mounting torque	187 Nm
Anziehdrehmoment	138 ft.lbs
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.	Description Descrizione	Benennung Description		Part N° Teil Nr. Code N° Cod. N° Referencia TTE	Part N° Teil Nr. Code N° Cod. N° Referencia TTES	Qty Stück Qté Qtà Cant.	
1	End cap (metric)	Deckel (Metrisch)	Chapeau (métrique)	034-66742-0		1	
	Coperchio (metrica)	Tapa (metrico)					
	End cap (UNC)	Deckel (UNC)		034-70247-0		1	
	Coperchio (UNC)	Tapa (UNC)	Plaque arrière rotation gauche				
	Port plate-rear C.C.W.	Steuerplatte Linkslauf		034-67435-0		1	
	Platto distributore post. antioraria	Plato distribuidor trasero giro I					
2	Port plate-rear C.W.	Steuerplatte Rechtslauf	Plaque arrière rotation droite	034-67407-0		1	
	Platto distributore post. oraria	Plato distribuidor trasero giro D					
	Pin-vane holdout	Stüssel		034-59161-0		12	
	Pistoncino di sostentamento	Espiga empuje paleta	Poussoir de palette				
	Cam ring 042	Hubring 042		034-67503-0		1	
	Anello camma 042	Aro volumetrico 042					
	Cam ring 045	Hubring 045	Came 045	034-67504-0		1	
	Anello camma 045	Aro volumetrico 045					
	Cam ring 050	Hubring 050		034-67505-0		1	
	Anello camma 050	Aro volumetrico 050	Came 052				
	Cam ring 052	Hubring 052		034-67506-0		1	
	Anello camma 052	Aro volumetrico 052					
	Cam ring 054	Hubring 054	Came 054	034-67619-0		1	
	Anello camma 054	Aro volumetrico 054					
	Cam ring 057	Hubring 057		034-67507-0		1	
	Anello camma 057	Aro volumetrico 057	Came 062				
	Cam ring 062	Hubring 062		034-67508-0		1	
	Anello camma 062	Aro volumetrico 062					
	Cam ring 066	Hubring 066	Came 066	034-67509-0		1	
	Anello camma 066	Aro volumetrico 066					
	Cam ring 072	Hubring 072		034-67447-0		1	
	Anello camma 072	Aro volumetrico 072	Came 085				
	Cam ring 085	Hubring 085		034-67455-0		1	
	Anello camma 085	Aro volumetrico 085					
5	Back-up ring	Stützring	Bague anti-extrusion	618-00012-3		1	
	Anello anti-estrusione	Anillo					
	Sq. section seal	Dichting		691-1-10253-0		1	
6	Guarnizione	Junta seccion cuadrada	Plaque pression rotation gauche				
	Port plate-pressure C.C.W.	Steuerplatte Linkslauf		034-67434-0		1	
	Platto distributore anter.antioraria	Plato distribuidor-presión giro I					
7	Port plate-pressure C.W.	Steuerplatte Rechtslauf	Plaque pression rotation droite	034-67408-0		1	
	Platto distributore anter. oraria	Plato distribuidor-presion giro D					
	Mounting cap (metric)	Deckel (Metrisch)		034-67644-0		1	
8	Coperchio (metrica)	Tapa de montaje 1" (metrico)	Chapeau de montage (métrique)	034-66838-0		1	
	Mounting cap (UNC)	Deckel (UNC)					
	Coperchio (UNC)	Tapa de montaje (UNC)		034-70249-0		1	
9	Retaining ring	Sicherungsring	Circlips	356-30315-0		1	
	Anello elastico	Anillo de retención					
	Key (code 1)	Paßfeder (Typ 1)		034-70330		1	
10a	Chiavetta (codice 1)	Chaveta (codigo 1)	Clavette (code 1)				
10b	Key (code 2)	Paßfeder (Typ 2)		Clavette (code 2)	034-49676		1
	Chiavetta (codice 2)	Chaveta (codigo 2)					
10c	Key (code 5)	Paßfeder (Typ 5)	Clavette (code 5)	034-30168-0		1	
	Chiavetta (codice 5)	Chaveta (codigo 5)					

Spare part list

Hydraulic Pumps
Series T7E*, Denison Vane Pumps

Item Pos. Ref. 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 Qtà 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 (splined) (code 3) (SAE CC) Albero a scanalato (codice 3) (SAE CC)	Welle für Paßfeder (Typ 3) (SAE CC) Eje chaveteado (codigo 3) (SAE CC)	Arbre à clavette (code 3) (SAE CC)	E	034-67645-0	1
11d	Shaft (splined) (code 4) (SAE C) Albero a scanalato (codice 4) (SAE C)	Welle für Paßfeder (Typ 4) (SAE C) Eje chaveteado (codigo 4) (SAE C)	Arbre à clavette (code 4) (SAE C)	F	034-71077-0	1
11e	Shaft (splined) (code 5) (SAE CC) Albero a scanalato (codice 5) (SAE CC)	Welle für Paßfeder (Typ 5) (SAE CC) Eje chaveteado (codigo 5) (SAE CC)	Arbre à clavette (code 5) (SAE CC)	G	034-53515-0	1
12	Round section ring Anillo torico	Sicherungsring Anillo torico	Anneau	CDE FG	034-70866-0	2
13	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)	B	620-82064-0	1
14	Shaft seal (S4 - S5 - 7 bar) Paraolio (S4 - S5 - 7 bar)	Simmering (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 sfere	Kugellager Cojinete de bolas	Roulement à billes	CDE FG	230-03208-0	1
16	Sq. section seal Guarnizione	Dichtring Junta sección cuadrada	Joint section carrée	AB	691-10237-0	1
17	Sq. section seal Guarnizione	Dichtring Junta sección 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 Insleme rotore	Rotor Conjunto rotor	Rotor ass.	A	S24-10185-0	1
21	Bush Bussola	Buchse Cojinete de fricción	Bague	A	034-59901-0	1
22	Screw Vite	Schraube Tornille	Vis	A	310-10340-0	2
23	Dowel pin Spina	Zentrierstift Pasador	Goupille	ABJ	323-82014-0	1
24	Screw Vite	Schraube Tornille	Vis		306-40159-0	4
	REPAIR KIT KIT DI RICAMBIO	AUSTAUSCH-BAUGRUPPEN CUNJUNTO REPARACION	POCHETTES RECHANGES			
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 Descrizione	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		1
A	Cart. and plate ass'y 052 C.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		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		1
A	Cart. and plate ass'y 054 C.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		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		1
A	Cart. and plate ass'y 057 C.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		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		1
A	Cart. and plate ass'y 062 C.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		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		1
A	Cart. and plate ass'y 066 C.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		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		1
A	Cart. and plate ass'y 072 C.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		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		1
A	Cart. and plate ass'y 085 C.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		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		1
B	Seal kit (S1 - 0,7 bar) Serie guarnizioni (S1 - 0,7 bar)	Dichtungsatz (S1 - 0,7 bar) Juego de juntas (S1 - 0,7 bar)	Pochette de joint (S1 - 0,7 bar)	S24-10186-0		1
B	Seal kit (S4 - 7 bar) Serie guarnizioni (S4 - 7 bar)	Dichtungsatz (S4 - 7 bar) Juego de juntas (S4 - 7 bar)	Pochette de joint (S4 - 7 bar)	S24-10186-4		1
B	Seal kit (S5 - 7 bar) Serie guarnizioni (S5 - 7 bar)	Dichtungsatz (S5 - 7 bar) Juego de juntas (S5 - 7 bar)	Pochette de joint (S5 - 7 bar)	S24-10186-5		1
C	Shaft and bearing ass'y (code 1) Ins. albero (codice 1)	Baugruppe (Weile u. Lager) (Typ 1) Conjunto eje cojinete (codigo 1)	Arbre et roulement ass. (code 1)	S14-28174-0		1
D	Shaft and bearing ass'y (code 2) Ins. albero (codice 2)	Baugruppe (Weile u. Lager) (Typ 2) Conjunto eje cojinete (codigo 2)	Arbre et roulement ass. (code 2)	S24-49212-0		1
E	Shaft and bearing ass'y (code 3) Ins. albero (codice 3)	Baugruppe (Weile u. Lager) (Typ 3) Conjunto eje cojinete (codigo 3)	Arbre et roulement ass. (code 3)	S14-28173-0		1
F	Shaft and bearing ass'y (code 4) Ins. albero (codice 4)	Baugruppe (Weile u. Lager) (Typ 4) Conjunto eje cojinete (codigo 4)	Arbre et roulement ass. (code 4)	S24-00092-0		1
G	Shaft and bearing ass'y (code 5) Ins. albero (codice 5)	Baugruppe (Weile u. Lager) (Typ 5) Conjunto eje cojinete (codigo 5)	Arbre et roulement ass. (code 5)	S24-76750-0		1
H	Port plate rear ass'y C.C.W. Ins. piatto distributore post. antioraria	Steuerplatte Linkslauf Conj. plato dist. trasero giro l	Plaque arrière ass. rot. gauche	S24-72258-0		1
J	Port plate rear ass'y C.C.W. Ins. piatto distributore post. oraria	Steuerplatte Rechtslauf Conj. plato dist. trasero giro D	Plaque arrière ass. rot. droite	S24-72257-0		1

Model Code

Model number

T7E series - ISO 2 bolts 3019-2
125 A2 HW

T7ES series - SAE C - 2 bolts
Mounting flange J744

One letter can be added to specify special parts in series

Typenschlüssel

Typenbezeichnung :

Baureihe T7E - ISO 2-Loch 3019-2
125 A2 HW

Baureihe T7ES - SAE C 2-Loch
Montageflansch, J744

Optionen

Désignation - type

Numéro du modèle :

Série T7E - ISO 2 trous 3019-2
125 A2 HW

Série T7ES - SAE C 2 trous
Bride de montage J744

Une lettre peut être ajoutée pour spécifier les pièces spéciales dans la série.

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

Came

(Cylindree théorique) (cm³/tr)

066 = 213,3

072 = 227,1

085 = 268,7

Type of shaft T7ES

1 = keyed (SAE CC)

2 = keyed (non SAE)

3 = splined 12/24 (SAE C)

4 = splined 12/24 (SAE CC)

Type of shaft T7E & T7ES

5 = keyed (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

00

M0

Modifications

Art der Welle T7ES

1 = Paßfedernelle (SAE CC)

2 = Paßfedernelle (nicht SAE)

3 = Vielkeilwelle 12/24 (SAE C)

4 = Vielkeilwelle 12/24 (SAE CC)

Art der Welle T7E & T7ES

5 = Paßfedernelle (ISO R775 - G38M)

Drehrichtung

R = Rechtslauf

L = Linkslauf

Lage der Anschlüsse

00 = standard

Ausführungsbuchstabe

Dichtungsklasse

1 = S1 - BUNA N

4 = S4 - EPDM

5 = S5 - VITON

Gehäuse-Anschlußgröße

SAE-Vierlochflansch (J518)

P = 1"1/2 - S = 3"

UNC

Metrisches

00

M0

Modifikationen

Art der Welle T7ES

1 = à clavette (SAE CC)

2 = à clavette (non SAE)

3 = à cannelures 12/24 (SAE C)

4 = à cannelures 12/24 (SAE CC)

Type d'arbre T7E & T7ES

5 = à clavette (ISO R775 - G38M)

Sens de rotation

R = à droite

L = à gauche

Combinaison des orifices

00 = standard

Conception

Classe de joint

1 = S1 - BUNA N

4 = S4 - EPDM

5 = S5 - VITON

Option sur orifices

Bride SAE 4 trous (J518)

P = 1"1/2 - S = 3"

UNC

Métrique

00

M0

Modifications



Designazione

Clave de designación

Sigla :
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

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

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)
P = 1 1/2 - S = 3"
T7E UNC Metrica
T7ES 00 M0

Opciones de las bocas
Bride SAE 4 taladros (J518)
P = 1 1/2 - S = 3"
T7E UNC Metrico
T7ES 00 M0

Modifiche

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.
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Offer of Sale

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

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