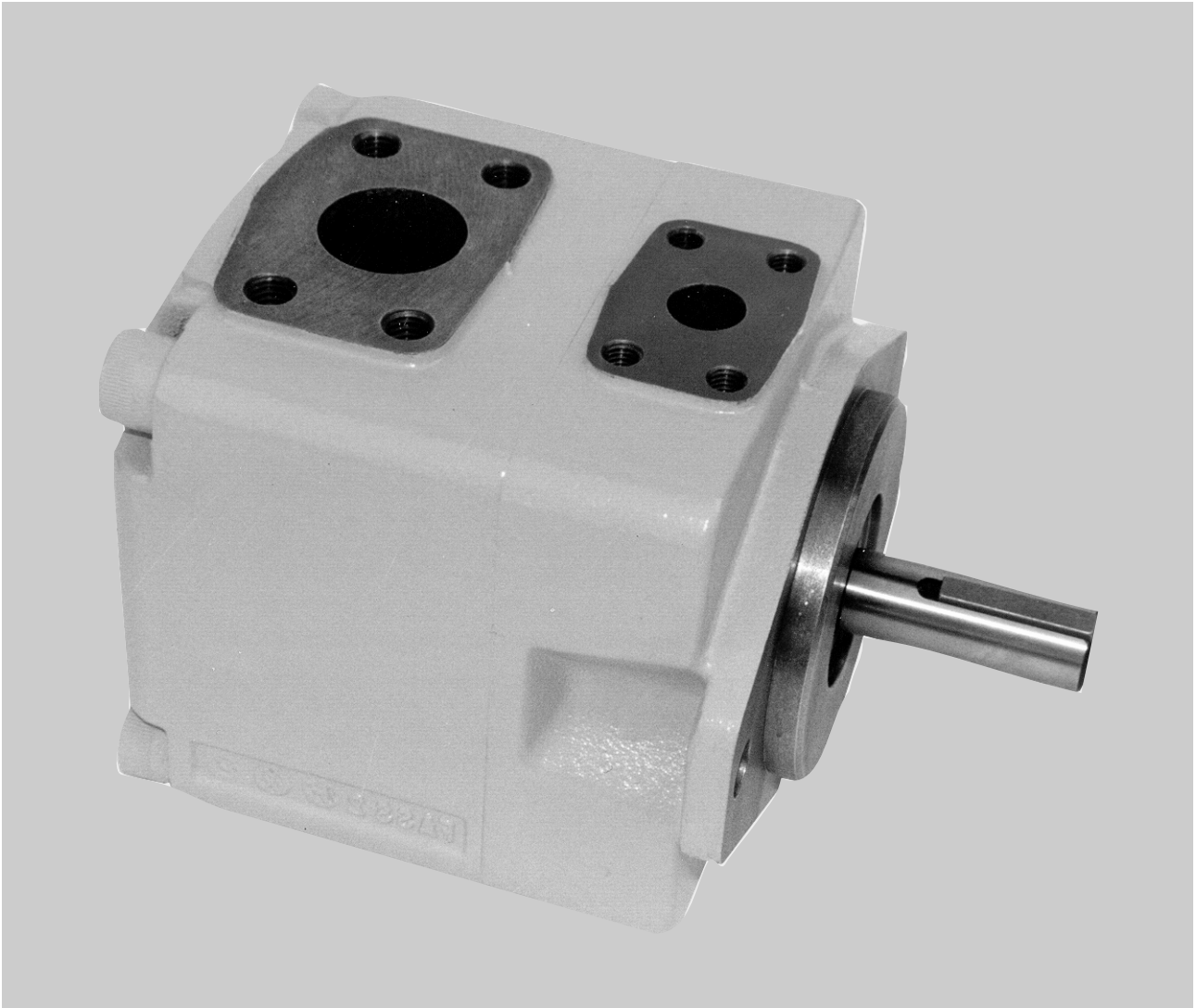


DENISON HYDRAULICS

T7B - T7BS

vane-type single pump / Flügelzellen-Einzelpumpe
pompe simple à palettes / pompa semplice a palette
tipo bomba de paletas simple
service information



Publ. S1 - ML0528 - A 04 / 2000 / 2500 / FB Replaces : S1 - ML 078 - B

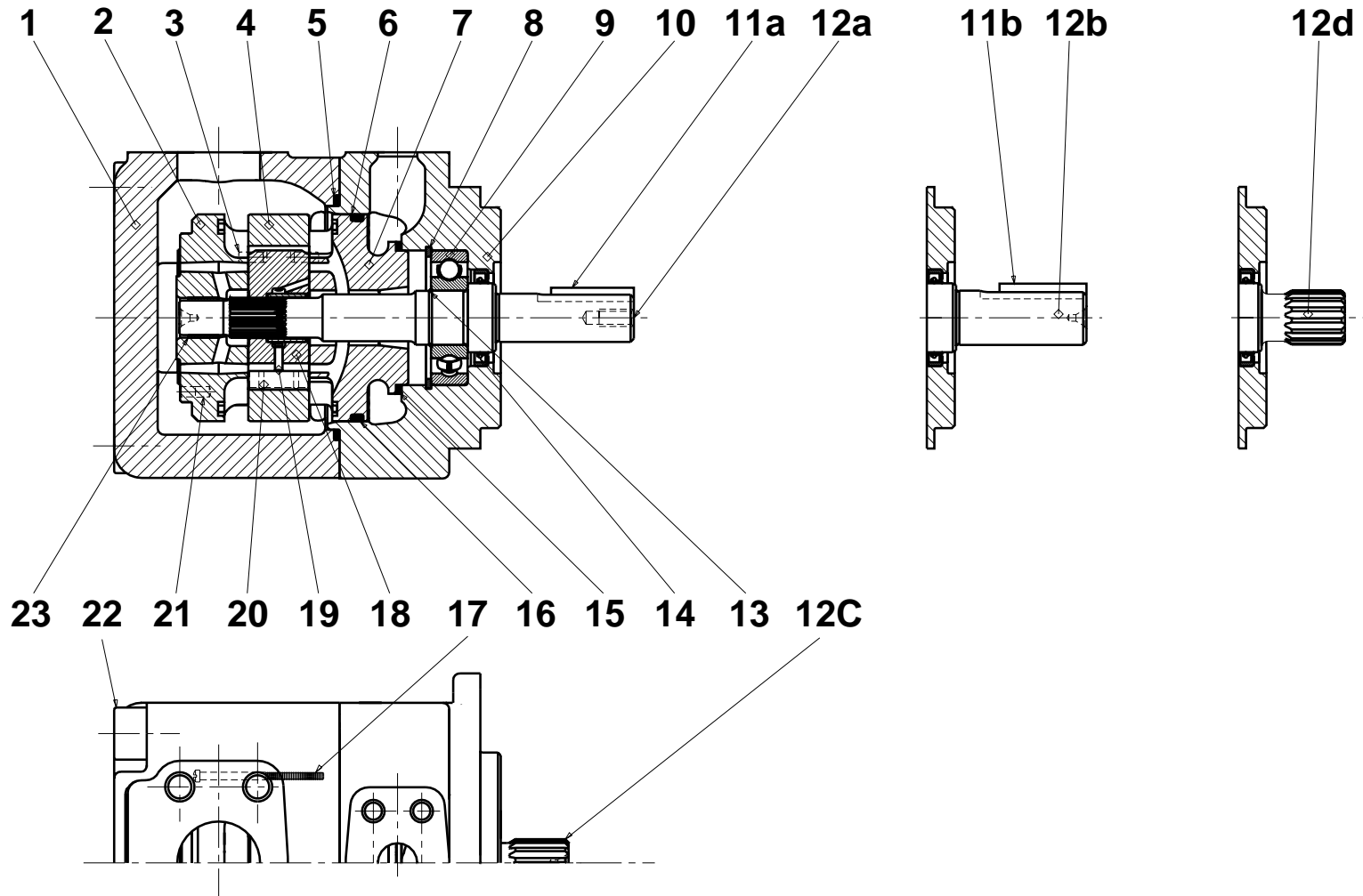
L25 - 10528 - 1

DENISON | **Hydraulics**

Recommended repair kits and assy's are bolt 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.
	22
Mounting torque	187 Nm
Anziehdrehmoment	
Couple de serrage	
Coppia di serraggio	
Par de apriete	

T7B - T7BS



Item Pos. Réf. Pos. Pos.	Description Descrizione	Benennung Descripcion	Description		Part N° Teil Nr. Code N° Cod. N° Referencia T7B	Part N° Teil Nr. Code N° Cod. N° Referencia T7BS	Qty Stück Qté Q.tà Cant.	
1	Housing (standard) (metric) Corpo (standard) (metrico)	Gehäuse (Standard) (Metrisch) Cuerpo (estándar) (metrica)	Carter (standard) (métrique)		034.66869		1	
	Housing (standard) (UNC) Corpo (standard) (UNC)	Gehäuse (Standard) (UNC) Cuerpo (estándar) (UNC)	Carter (standard) (UNC)			034.66871	1	
2	Port plate-rear Piatto distributore post.	Steuerplatte Plato distribuidor trasero	Plaque arrière	AG	034.66921		1	
3	Dowel pin Spina	Zentrierstift Pasador	Goupille	A	034.21208		2	
4	Cam ring 002 Anello camma 002	Hubring 002 Aro volumetrico 002	Came 002	A	034.66909		1	
	Cam ring 003 Anello camma 003	Hubring 003 Aro volumetrico 003	Came 003	A	034.66910		1	
	Cam ring 004 Anello camma 004	Hubring 004 Aro volumetrico 004	Came 004	A	034.66911		1	
	Cam ring 005 Anello camma 005	Hubring 005 Aro volumetrico 005	Came 005	A	034.66912		1	
	Cam ring 006 Anello camma 006	Hubring 006 Aro volumetrico 006	Came 006	A	034.66913		1	
	Cam ring 007 Anello camma 007	Hubring 007 Aro volumetrico 007	Came 007	A	034.67063		1	
	Cam ring 008 Anello camma 008	Hubring 008 Aro volumetrico 008	Came 008	A	034.66914		1	
	Cam ring 010 Anello camma 010	Hubring 010 Aro volumetrico 010	Came 010	A	034.66915		1	
	Cam ring 012 Anello camma 012	Hubring 012 Aro volumetrico 012	Came 012	A	034.67032		1	
	Cam ring 015 Anello camma 015	Hubring 015 Aro volumetrico 015	Came 015	A	034.67034		1	
	5	O.ring Guarnizione	Dichtring Junta torica	Joint torique	AB	671.00244		1
	6	Back-up ring Anello anti-estrusione	Stützring Anillo	Bague anti-extrusion	AB	618.15016		1
7	Port plate-pressure Piatto distributore anter.	Steuerplatte Plato distribuidor-presión	Plaque pression	A	034.66923		1	
8	Retaining ring Anello elastico	Sicherungsring Anillo de retención	Circlips		356.30244		1	
9	Ball bearing Cuscinetto a sfere	Kugellager Cojinete de bolas	Roulement à billes	CD EF	230.82054		1	
10	Mounting cap 1" (metric - M0) Coperchio 1" (metrica - M0)	Deckel 1" (Metrisch - M0) Tapa de montage 1" (metrico - M0)	Chapeau de montage 1" (métrique - M0)		034.66928	034.66883	1	
	Mounting cap 3/4" (metric - M1) Coperchio anteriore 3/4" (metrica - M1)	Deckel 3/4" (Metrisch - M1) Tapa de montage 3/4" (metrico - M1)	Chapeau de montage 3/4" (métrique - M1)		034.66927	034.66926	1	
	Mounting cap 1" (UNC - 00) Coperchio 1" (UNC - 00)	Deckel 1" (UNC - 00) Tapa de montage 1" (UNC - 00)	Chapeau de montage 1" (UNC - 00)			034.66884	1	
	Mounting cap 3/4" (UNC - 01) Coperchio 3/4" (UNC - 01)	Deckel 3/4" (UNC - 01) Tapa de montage 3/4" (UNC - 01)	Chapeau de montage 3/4" (UNC - 01)			034.66925	1	
	11a	Key (code 1) Chiavetta (codice 1)	Paßfeder (Typ 1) Chaveta (codigo 1)	Clavette (code 1)	C	034.48690		1
11b	Key (code 2) Chiavetta (codice 2)	Paßfeder (Typ 2) Chaveta (codigo 2)	Clavette (code 2)	D	211.00005.3		1	

Item Pos. Réf. Pos. Pos.	Description Descrizione	Benennung Descripción	Description		Part N° Teil Nr. Code N° Cod. N° Referencia T7B	Part N° Teil Nr. Code N° Cod. N° Referencia T7BS	Qty Stück Qté Q.tà Cant.
12a	Shaft (keyed) (code1) Albero a chiavetta (codice 1)	Welle für Paßfeder (Typ 1) Eje chaveteado (codigo 1)	Arbre à clavette (code 1)	C		034.66929	1
12b	Shaft (keyed) (code 2) Albero a chiavetta (codice 2)	Welle für Paßfeder (Typ 2) Eje chaveteado (codigo 2)	Arbre à clavette (code 2)	D	034.66930		1
12c	Shaft (splined) (code 3) Albero a scanalato (codice 3)	Vielkeilwelle (Typ 3) Eje estriado (codigo 3)	Arbre à cannelures (code 3)	E		034.66931	1
12d	Shaft (splined) (code 4) Albero scanalato (codice 4)	Vielkeilwelle (Typ 4) Eje estriado (codigo 4)	Arbre à cannelures (code 4)	F		034.67048	1
13	Round section ring Anello elastico	Sicherungsring Anillo tórico	Anneau	CD EF	034.70777		1
14	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	620.82046		1
	Shaft seal (S4 - 0,7 bar) Paraolio (S4 - 0,7 bar)	Simmerring (S4 - 0,7 bar) Reten eje (S4 - 0,7 bar)	Joint d'arbre (S4 - 0,7 bar)	B	620.82046.4		1
	Shaft seal (S5 - 0,7 bar) Paraolio (S5 - 0,7 bar)	Simmerring (S5 - 0,7 bar) Reten eje (S5 - 0,7 bar)	Joint d'arbre (S5 - 0,7 bar)	B	620.82046.5		1
15	Sq. section seal Guarnizione	Dichtring Junta seccion cuadrada	Joint section carrée	AB	691.10229		1
16	Sq. section seal Guarnizione	Dichtring Junta seccion cuadrada	Joint section carrée	AB	691.10238		1
17	Screw Vite	Schraube Tornille	Vis	A	317.06266		2
18	Rotor-insert ass'y Insieme rotore	Rotor Conjunto rotor	Rotor et douille ass.	A	S24.49820		1
19	Pin-vane holdout Pistoncino di sostentamento	Stössel Espiga empuje paleta	Poussoir de palette	A	034.66991		12
20	Vane Paletta	Flügel Paletta	Palette	A	034.66917		12
21	Dowel pin Spina	Zentrierstift Pasador	Goupille	AG	323.82010		1
22	Screw Vite	Schraube Tornille	Vis		361.14404.3		4
23	Bush Bussola	Buchse Cojinete de fricción	Bague	AG	034.71867		1
	REPAIR KIT KIT DI RICAMBIO	AUSTAUSCH-BAUGRUPPEN CUNJUNTO REPARACION	POCHETTES RECHANGES				
A	Cart. and plate ass'y B02 C.W. Ins. cart. B02 oraria	Pumpeneinheit B02 Rechtslauf Conjunto cart. y platos B02 giro d.	Cart. et plaque ass. B02 rot. d.		S24.50144		1
A	Cart. and plate ass'y B02 C.C.W. Ins. cart. B02 antioraria	Pumpeneinheit B02 Linkslauf Conjunto cart. y platos B02 giro i.	Cart. et plaque ass. B02 rot. g.		S24.50145		1
A	Cart. and plate ass'y B03 C.W. Ins. cart. B03 oraria	Pumpeneinheit B03 Rechtslauf Conjunto cart. y platos B03 giro d.	Cart. et plaque ass. B03 rot. d.		S24.50146		1
A	Cart. and plate ass'y B03 C.C.W. Ins. cart. B03 antioraria	Pumpeneinheit B03 Linkslauf Conjunto cart. y platos B03 giro i.	Cart. et plaque ass. B03 rot. g.		S24.50147		1
A	Cart. and plate ass'y B04 C.W. Ins. cart. B04 oraria	Pumpeneinheit B04 Rechtslauf Conjunto cart. y platos B04 giro d.	Cart. et plaque ass. B04 rot. d.		S24.50148		1
A	Cart. and plate ass'y B04 C.C.W. Ins. cart. B04 antioraria	Pumpeneinheit B04 Linkslauf Conjunto cart. y platos B04 giro i.	Cart. et plaque ass. B04 rot. g.		S24.50149		1

Item Pos. Réf. Pos. Pos.	Description Descrizione	Benennung Descripcion	Description	Part N° Teil Nr. Code N° Cod. N° Referencia T7B	Part N° Teil Nr. Code N° Cod. N° Referencia T7BS	Qty Stück Qté Q.tà Cant.
A	Cart. and plate ass'y B05 C.W. Ins. cart. B05 oraria	Pumpeneinheit B05 Rechtslauf Conjunto cart. y platos B05 giro d.	Cart. et plaque ass. B05 rot. d.		S24.50150	1
A	Cart. and plate ass'y B05 C.C.W. Ins. cart. B05 antioraria	Pumpeneinheit B05 Linkslauf Conjunto cart. y platos B05 giro i.	Cart. et plaque ass. B05 rot. g.		S24.50151	1
A	Cart. and plate ass'y B06 C.W. Ins. cart. B06 oraria	Pumpeneinheit B06 Rechtslauf Conjunto cart. y platos B06 giro d.	Cart. et plaque ass. B06 rot. d.		S24.50152	1
A	Cart. and plate ass'y B06 C.C.W. Ins. cart. B06 antioraria	Pumpeneinheit B06 Linkslauf Conjunto cart. y platos B06 giro i.	Cart. et plaque ass. B06 rot. g.		S24.50153	1
A	Cart. and plate ass'y B07 C.W. Ins. cart. B07 oraria	Pumpeneinheit B07 Rechtslauf Conjunto cart. y platos B07 giro d.	Cart. et plaque ass. B07 rot. d.		S24.59970	1
A	Cart. and plate ass'y B07 C.C.W. Ins. cart. B07 antioraria	Pumpeneinheit B07 Linkslauf Conjunto cart. y platos B07 giro i.	Cart. et plaque ass. B07 rot. g.		S24.59971	1
A	Cart. and plate ass'y B08 C.W. Ins. cart. B08 oraria	Pumpeneinheit B08 Rechtslauf Conjunto cart. y platos B08 giro d.	Cart. et plaque ass. B08 rot. d.		S24.50154	1
A	Cart. and plate ass'y B08 C.C.W. Ins. cart. B08 antioraria	Pumpeneinheit B08 Linkslauf Conjunto cart. y platos B08 giro i.	Cart. et plaque ass. B08 rot. g.		S24.50155	1
A	Cart. and plate ass'y B10 C.W. Ins. cart. B10 oraria	Pumpeneinheit B10 Rechtslauf Conjunto cart. y platos B10 giro d.	Cart. et plaque ass. B10 rot. d.		S24.50156	1
A	Cart. and plate ass'y B10 C.C.W. Ins. cart. B10 antioraria	Pumpeneinheit B10 Linkslauf Conjunto cart. y platos B10 giro i.	Cart. et plaque ass. B10 rot. g.		S24.50157	1
A	Cart. and plate ass'y B12 C.W. Ins. cart. B12 oraria	Pumpeneinheit B12 Rechtslauf Conjunto cart. y platos B12 giro d.	Cart. et plaque ass. B12 rot. d.		S24.59005	1
A	Cart. and plate ass'y B12 C.C.W. Ins. cart. B12 antioraria	Pumpeneinheit B12 Linkslauf Conjunto cart. y platos B12 giro i.	Cart. et plaque ass. B12 rot. g.		S24.59006	1
A	Cart. and plate ass'y B15 C.W. Ins. cart. B15 oraria	Pumpeneinheit B15 Rechtslauf Conjunto cart. y platos B15 giro d.	Cart. et plaque ass. B15 rot. d.		S24.59007	1
A	Cart. and plate ass'y B15 C.C.W. Ins. cart. B15 antioraria	Pumpeneinheit B15 Linkslauf Conjunto cart. y platos B15 giro i.	Cart. et plaque ass. B15 rot. g.		S24.59008	1
B	Seal kit (S1 - 0,7 bar) Serie guarnizioni (S1 - 0,7 bar)	Dichtringsatz (S1 - 0,7 bar) Juego de juntas (S1 - 0,7 bar)	Pochette de joint (S1 - 0,7 bar)		S24.49112	1
B	Seal kit (S4 - 0,7 bar) Serie guarnizioni (S4 - 0,7 bar)	Dichtringsatz (S4 - 0,7 bar) Juego de juntas (S4 - 0,7 bar)	Pochette de joint (S4 - 0,7 bar)		S24.49112.4	1
B	Seal kit (S5 - 0,7 bar) Serie guarnizioni (S5 - 0,7 bar)	Dichtringsatz (S5 - 0,7 bar) Juego de juntas (S5 - 0,7 bar)	Pochette de joint (S5 - 0,7 bar)		S24.49112.5	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)		S24.50140	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)		S24.50142	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)		S24.50141	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)		S24.59295	1
G	Port plate rear and bush ass'y Ins. piatto distributore post.	Steuerplatte mit Buchse Conj. plato dist. trasero con coj. fricción	Plaque arrière et bague ass.		S24.49791	1

Model Code

Typenschlüssel

Désignation - type

Model number

T7B series - ISO 2 bolts 3019-2
100 A2 H W
T7BS series - SAE B - 2 bolts
Mounting flange J744c

One letter can be added to specify special parts in series

Cam ring

(Volumetric displacement) (ml/rev.)
B02 = 5,8
B03 = 9,8
B04 = 12,8
B05 = 15,9

Type of shaft T7B & T7BS

2 = keyed (ISO R775)

Type of shaft T7BS

1 = keyed (SAE B)
3 = splined 16/32 (SAE B)
4 = splined (SAE BB)

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 (J518c)

	S = 1"1/2"			
	UNC		Metric	
	00	01	M0	M1
T7B			P = 1"	P = 3/4"
T7BS	P = 1"	P = 3/4"	P = 1"	P = 3/4"

Typenbezeichnung :

Baureihe T7B - ISO 2-Loch 3019-2
100 A2 H W
Baureihe T7BS - SAE B 2-Loch
Montageflansch nach SAE B, J744c

Optionen

Hubring

(Geometrisches Fördervolumen) (cm³/U)
B06 = 19,8
B07 = 22,5
B08 = 24,9

Art der Welle T7B & T7BS

2 = Paßfederwelle (ISO R775)

Art der Welle T7BS

1 = Paßfederwelle (SAE B)
3 = Vielkeilwelle 16/32 (SAE B)
4 = Vielkeilwelle (SAE BB)

Drehrichtung

R = Rechtslauf
L = Linkslauf

Lage der Anschlüsse

0 = standard

Ausführungsbuchstabe

Dichtungsklasse

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

Gehäuse-Anschlußgröße

SAE-Vierlochflansch (J518c)

	S = 1"1/2"			
	UNC		Metrisches	
	00	01	M0	M1
T7B			P = 1"	P = 3/4"
T7BS	P = 1"	P = 3/4"	P = 1"	P = 3/4"

Número du modèle :

T7B / T7BS . - B10 - 1 R 00 - A 1 M0 - ..

Série T7B - ISO 2 trous 3019-2
100 A2 H W
Série T7BS - SAE B 2 trous
Bride de montage J744c

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

Came

(Cylindrée théorique) (cm³/tr)
B10 = 31,8
B12 = 41,0
B15 = 50,0

Type d'arbre T7B & T7BS

2 = à clavette (ISO R775)

Type d'arbre T7BS

1 = à clavette (SAE B)
3 = à cannelures 16/32 (SAE B)
4 = à cannelures (SAE BB)

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 (J518c)

	S = 1"1/2"			
	UNC		Métrique	
	00	01	M0	M1
T7B			P = 1"	P = 3/4"
T7BS	P = 1"	P = 3/4"	P = 1"	P = 3/4"

Modifications

Modifikationen

Modifications

Designazione

Clave de designación

Sigla :

Serie T7B - ISO 2 fori 3019-2
100 A2 H W
Serie T7BS - SAE B 2 fori
Flangia di montaggio J744c

Una lettera può essere aggiunta per specificare parti speciali nella serie

Tipo di cartuccia

(Cilindrata) (ml/giro)
B02 = 5,8
B03 = 9,8
B04 = 12,8
B05 = 15,9
B06 = 19,8

Tipo di albero T7B & T7BS

2 = a chiavetta (ISO R775)

Tipo di albero T7BS

1 = a chiavetta (SAE B)
3 = scanalato 16/32 (SAE B)
4 = scanalato (SAE BB)

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

Flangia SAE 4 drenaggio (J518c)

S = 1"1/2"				
UNC		Metrica		
00	01	M0	M1	
T7B		P = 1"	P = 3/4"	
T7BS	P = 1"	P = 3/4"	P = 1"	P = 3/4"

Modifiche

Referencia modelo :

Serie T7B - ISO 2 taladros 3019-2
100 A2 H W
Serie T7BS - SAE B 2 taladros
Brida de montaje J744c

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

Aro volumetrico

(Cilindrada) (ml/rev)
B07 = 22,5
B08 = 24,9
B10 = 31,8
B12 = 41,0
B15 = 50,0

Tipo de eje T7B & T7BS

2 = chaveteado (ISO R775)

Tipo de eje T7BS

1 = chaveteado (SAE B)
3 = estriado 16/32 (SAE B)
4 = estriado (SAE BB)

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

Brida SAE 4 taladros (J518c)

S = 1"1/2"				
UNC		Metrica		
00	01	M0	M1	
T7B		P = 1"	P = 3/4"	
T7BS	P = 1"	P = 3/4"	P = 1"	P = 3/4"

Modificaciones

T7B / T7BS . - B10 - 1 R 00 - A 1 M0 - ..