

# Universal through drive for Axial piston variable pump **A10VSO, A10VO, A10VZO, A4VSO, A4VBO, A15VSO/A15VLO and A15V(L)O**



- ▶ For A10VO and A10VSO series 32  
Sizes 45 to 180
- ▶ A10VZO series 10  
Sizes 71 to 180
- ▶ For A4VSO, A4VBO series 3x  
Sizes 125 to 355
- ▶ For A15VO, A15VLO and A15VSO series 1x  
Sizes 110 to 280

## Features

- ▶ Flexible universal through drive
- ▶ Utilization of various through drive options without mechanical machining of the port plate

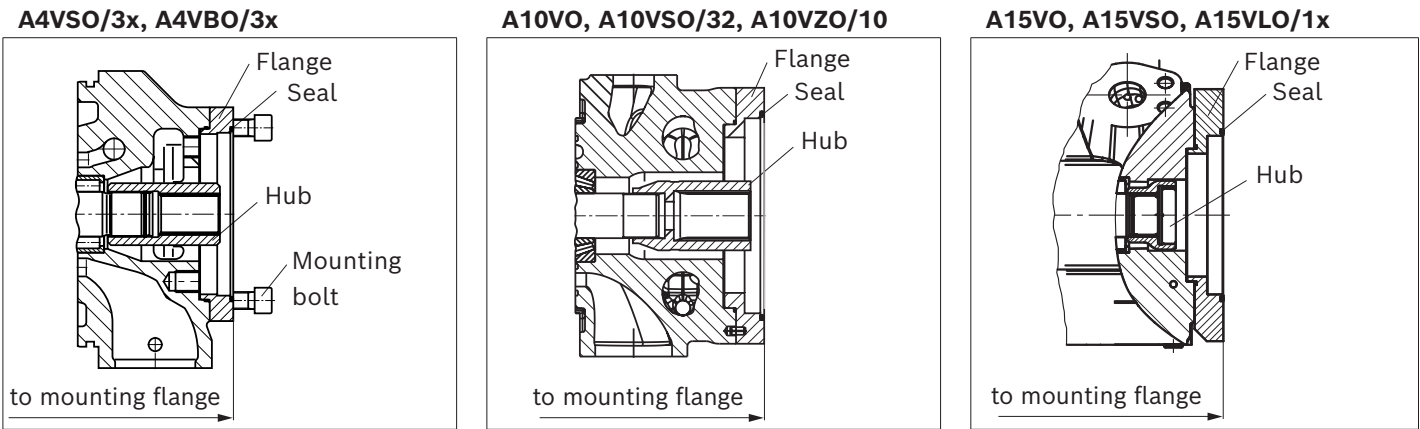
Information and through drive options can be found in data sheets:

- ▶ 92705 Variable pump A10VO
- ▶ 92714 Variable pump A10VSO
- ▶ 91485 Variable pump A10VZO
- ▶ 92050 Variable pump A4VSO
- ▶ 92122 Variable pump A4VBO
- ▶ 92802 Variable pump A15VSO/A15VLO
- ▶ 92512 Variable pump A15VO/A15VLO

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Mounting kits



Assembly groups

The through drives are delivered as assembly groups.  
The assembly groups **"Flange and hub"** include:  
Flange, hub, socket-head screws and O-ring.

► Mounting bolts for the 2nd pump are only supplied with universal through drives of the A4VSO.

Material numbers for A10VSO series 32

Code	Available for pump	Length to mounting flange [mm]	Assembly group "Cover" with cover, socket-head screws
U00	A10VSO 45	254	R902496168
	A10VSO 71	289	R902496186
	A10VSO 100	350	R902496173
	A10VSO 140	367	
	A10VSO 180	377	
ISO 3019-2	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring
UB2	A10VSO 45	264	R902496439
	A10VSO 71	299	R902496440
	A10VSO 100	360	R902496441
	A10VSO 140	377	R902496442
	A10VSO 180	387	
UB3	A10VSO 45	264	R902492531
	A10VSO 71	299	R902512434
	A10VSO 100	360	R902496445
	A10VSO 140	377	R902496446
	A10VSO 180	387	
UB4	A10VSO 45	264	R902496448
	A10VSO 71	299	R902496449
	A10VSO 100	360	R902496450
	A10VSO 140	377	R902496451
	A10VSO 180	387	
UE1	A10VSO 45	264	R902510125
	A10VSO 71	299	R902510126
	A10VSO 100	360	R902510127
	A10VSO 140	377	R902510129
	A10VSO 180	387	

<b>ISO 3019-2</b>	<b>Available for pump</b>	<b>Length to mounting flange [mm]</b>	<b>Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring</b>
UB8	A10VSO 71	299	R902496458
	A10VSO 100	360	R902496459
	A10VSO 140	377	R902496460
	A10VSO 180	387	R902496461
UB9	A10VSO 100	360	R902496462
	A10VSO 140	377	R902496463
	A10VSO 180	387	R902496464
UB7	A10VSO 140	377	R902496465
	A10VSO 180	387	R902496466
<b>ISO 3019-1 (SAE J744)</b>	<b>Available for pump</b>	<b>Length to mounting flange [mm]</b>	<b>Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring</b>
U01	A10VSO 45	264	R902496467
	A10VSO 71	299	R902496468
	A10VSO 100	360	R902496469
	A10VSO 140	377	R902496470
	A10VSO 180	387	R902496471
U52	A10VSO 45	264	R902496472
	A10VSO 71	299	R902496473
	A10VSO 100	360	R902496474
	A10VSO 140	377	R902496475
	A10VSO 180	387	
U68	A10VSO45	264	R902496477
	A10VSO71	299	R902496478
	A10VSO100	360	R902496479
	A10VSO140	377	R902496480
	A10VSO180	387	R902496481
U04	A10VSO 45	264	R902496482
	A10VSO 71	299	R902496663
	A10VSO 100	360	R902496664
	A10VSO 140	377	R902496665
	A10VSO 180	387	R902496666
U07	A10VO 71	299	R902512300
	A10VO 100	360	R902512301
	A10VO 140	377	R902512302
	A10VO 180	387	
UE2	A10VSO 45	264	R902510131
	A10VSO 71	299	R902510132
	A10VSO 100	360	R902510133
	A10VSO 140	377	R902510134
	A10VSO 180	387	
U24	A10VSO 100	360	R902510136
	A10VSO 140	377	R902510137
	A10VSO 180	387	R902510138
U15	A10VSO 71	299	R902510139
	A10VSO 100	360	R902510140
	A10VSO 140	377	R902510141
	A10VSO 180	387	

ISO 3019-1 (SAE J744)	Available for pump	Length to mounting flange [mm]	Assembly group “Flange and hub” with flange, hub, socket-head screw, O-ring
U96	A10VSO 100	360	R902496667
	A10VSO 140	377	R902496668
	A10VSO 180	387	R902496669
U17	A10VSO 140	377	R902496670
	A10VSO 180	387	R902496671

**Material numbers for A10VZO series 10  
(mounting flange D and port plate 22 and 32)**

Code	Available for pump	Length to mounting flange [mm]	Assembly group “Cover” with cover, socket-head screws
U00	A10VZO 71	289	R902496186
	A10VZO 100	350	R902496173
	A10VZO 140	367	
	A10VZO 180	377	
ISO 3019-1 (SAE J744)	Available for pump	Length to mounting flange [mm]	Assembly group “Flange and hub” with flange, hub, socket-head screw, O-ring
U01	A10VZO 71	299	R902496468
	A10VZO 100	360	R902496469
	A10VZO 140	377	R902496470
	A10VZO 180	387	R902496471
U52	A10VZO 71	299	R902496473
	A10VZO 100	360	R902496474
	A10VZO 140	377	R902496475
	A10VZO 180	387	
U68	A10VZO71	299	R902496478
	A10VZO100	360	R902496479
	A10VZO140	377	R902496480
	A10VZO180	387	R902496481
U04	A10VZO 71	299	R902496663
	A10VZO 100	360	R902496664
	A10VZO 140	377	R902496665
	A10VZO 180	387	R902496666
U06	A10VZO 71	299	R902572417
	A10VZO 100	360	R902572418
	A10VZO 140	377	R902472419
	A10VZO 180	387	
UE2	A10VZO 71	299	R902510132
	A10VZO 100	360	R902510133
	A10VZO 140	377	R902510134
	A10VZO 180	387	
U15	A10VZO 71	299	R902510139
	A10VZO 100	360	R902510140
	A10VZO 140	377	R902510141
	A10VZO 180	387	
U96	A10VZO 100	360	R902496667
	A10VSO 140	377	R902496668
	A10VZO 180	387	R902496669
U17	A10VZO 140	377	R902496670
	A10VZO 180	387	R902496671

## Material numbers for A10VO series 32 (mounting flange D and port plate 22 and 32)

Code	Available for pump	Length to mounting flange [mm]	Assembly group "Cover" with cover, socket-head screws
U00	A10VO 45	254	R902496168
	A10VO 71	289	R902496186
	A10VO 100	350	R902496173
	A10VO 140	367	
	A10VO 180	377	
ISO 3019-1 (SAE J744)	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring
U01	A10VO 100	360	R902496469
	A10VO 140	377	R902496470
	A10VO 180	387	R902496471
U52	A10VO 100	360	R902496474
	A10VO 140	377	R902496475
	A10VO 180	387	
U68	A10VO 100	360	R902496479
	A10VO 140	377	R902496480
	A10VO 180	387	R902496481
U04	A10VO 100	360	R902496664
	A10VO 140	377	R902496665
	A10VO 180	387	R902496666
U07	A10VO 71	299	R902512300
	A10VO 100	360	R902512301
	A10VO 140	377	R902512302
	A10VO 180	387	
U24	A10VO 100	360	R902510136
	A10VO 140	377	R902510137
	A10VO 180	387	R902510138
UE2	A10VO 100	360	R902510133
	A10VO 140	377	R902510134
	A10VO 180	387	
U15	A10VO 100	360	R902510140
	A10VO 140	377	R902510141
	A10VO 180	387	
U17	A10VO 140	377	R902496670
	A10VO 180	387	R902496671

### Material numbers for A4VSO series 3x

Code	Available for pump	Length to mounting flange [mm]	Assembly group "Cover" with cover, socket-head screws
U99	A4VSO 125	359	R902438778
	AA4VSO 125	361	
	A4VSO 180	383	
	AA4VSO 180	385	
	A4VSO 250	443	R902444736
	AA4VSO 250	445	
	A4VSO 355	472	
	AA4VSO 355	474	
ISO 3019-2	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw
UB2	A4VSO 125	369	R902446991
	A4VSO 180	393	
	A4VSO 250	453	R902446993
	A4VSO 355	482	
UB3	A4VSO 125	369	R902446996
	A4VSO 180	393	R902446998
	A4VSO 250	453	
	A4VSO 355	482	
UB4	A4VSO 125	369	R902447001
	A4VSO 180	393	R902447003
	A4VSO 250	453	
	A4VSO 355	482	
UB5	A4VSO 125	369	R902447006
	A4VSO 180	393	R902447007
	A4VSO 250	453	
	A4VSO 355	482	
UB6	A4VSO 125	369	R902447008
	A4VSO 180	393	R902447009
	A4VSO 250	453	
	A4VSO 355	482	
U31	A4VSO 125	369	R902447010
	A4VSO 180	393	R902447011
	A4VSO 250	453	
	A4VSO 355	482	
UE1	A4VSO 125	On request	On request
	A4VSO 180	On request	On request
	A4VSO 250	On request	
	A4VSO 355	On request	
U33	A4VSO 125	369	R902447012
	A4VSO 180	393	R902447013
	A4VSO 250	453	
	A4VSO 355	482	

ISO 3019-2	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw
UB8	A4VSO 125	369	R902447014
	A4VSO 180	393	
	A4VSO 250	453	R902447016
	A4VSO 355	482	
U34	A4VSO 125	369	R902447019
	A4VSO 180	393	
	A4VSO 250	453	R902447020
	A4VSO 355	482	
UB9	A4VSO 125	382	R902447021
	A4VSO 180	406	
	A4VSO 250	453	R902447022
	A4VSO 355	482	
UB7	A4VSO 180	406	R902447025
	A4VSO 250	453	R902447026
	A4VSO 355	482	
U35	A4VSO 250	469	R902447028
	A4VSO 355	498	
U77	A4VSO 355	498	R902447029
<b>ISO 3019-1 (SAE J744)</b>			
<b>(The lengths to the flange apply for the SAE model. The metric pumps are about 2 mm shorter)</b>			
Code	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw
U01	A4VSO 125	369	R902447030
	AA4VSO 125	371	
	A4VSO 180	393	
	AA4VSO 180	395	
	A4VSO 250	453	R902447032
	AA4VSO 250	455	
	A4VSO 355	482	
	AA4VSO 355	484	
U52	A4VSO 125	369	R902447035
	AA4VSO 125	371	
	A4VSO 180	393	
	AA4VSO 180	395	
	A4VSO 250	453	R902447037
	AA4VSO 250	455	
	A4VSO 355	482	
	AA4VSO 355	484	
U68	A4VSO 125	369	R902447040
	AA4VSO 125	371	
	A4VSO 180	393	
	AA4VSO 180	395	
	A4VSO 250	453	R902447042
	AA4VSO 250	455	
	A4VSO 355	482	
	AA4VSO 355	484	

ISO 3019-1 (SAE J744)			
(The lengths to the flange apply for the SAE model. The metric pumps are about 2 mm shorter)			
Code	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw
U04	A4VSO 125	369	R902447045
	AA4VSO 125	371	
	A4VSO 180	393	
	AA4VSO 180	395	
	A4VSO 250	453	R902447047
	AA4VSO 250	455	
	A4VSO 355	482	
	AA4VSO 355	484	
U06	A4VSO 125	On request	On request
	AA4VSO 125	On request	
	A4VSO 180	On request	
	AA4VSO 180	On request	
	A4VSO 250	On request	On request
	AA4VSO 250	On request	
	A4VSO 355	On request	
	AA4VSO 355	On request	
U07	A4VSO 125	369	R902447050
	AA4VSO 125	371	
	A4VSO 180	393	
	AA4VSO 180	395	
	A4VSO 250	453	R902447051
	AA4VSO 250	455	
	A4VSO 355	482	
	AA4VSO 355	484	
UE2	A4VSO 125	369	R902512517
	AA4VSO 125	371	
	A4VSO 180	393	
	AA4VSO 180	395	
	A4VSO 250	On request	On request
	AA4VSO 250	On request	
	A4VSO 355	On request	
	AA4VSO 355	On request	
U24	A4VSO 125	369	R902447052
	AA4VSO 125	371	
	A4VSO 180	393	
	AA4VSO 180	395	
	A4VSO 250	453	R902447053
	AA4VSO 250	455	
	A4VSO 355	482	
	AA4VSO 355	484	



<b>ISO 3019-1 (SAE J744)</b> <b>(The lengths to the flange apply for the SAE model. The metric pumps are about 2 mm shorter)</b>			
<b>Code</b>	<b>Available for pump</b>	<b>Length to mounting flange [mm]</b>	<b>Assembly group "Flange and hub" with flange, hub, socket-head screw</b>
U15	A4VSO 125	369	R902447054
	AA4VSO 125	371	
	A4VSO 180	393	
	AA4VSO 180	395	
	A4VSO 250	453	R902447055
	AA4VSO 250	455	
	A4VSO 355	482	
	AA4VSO 355	484	
U16	A4VSO 125	369	R902447056
	AA4VSO 125	371	
	A4VSO 180	393	
	AA4VSO 180	395	
	A4VSO 250	453	R902447057
	AA4VSO 250	455	
	A4VSO 355	482	
	AA4VSO 355	484	
U96	A4VSO 125	369	R902447058
	AA4VSO 125	371	
	A4VSO 180	393	
	AA4VSO 180	395	
	A4VSO 250	453	R902447059
	AA4VSO 250	455	
	A4VSO 355	482	
	AA4VSO 355	484	
U17	A4VSO 125	382	R902447062
	AA4VSO 125	384	
	A4VSO 180	406	
	AA4VSO 180	408	
	A4VSO 250	453	R902447063
	AA4VSO 250	455	
	A4VSO 355	482	
	AA4VSO 355	484	
U18	A4VSO 250	479	R902447067
	AA4VSO 250	481	
	A4VSO 355	508	
	AA4VSO 355	510	
U72	A4VSO 250	479	R902453019
	AA4VSO 250	481	
	A4VSO 355	508	
	AA4VSO 355	510	

### Material numbers for A4VBO series 3x

Code	Available for pump	Length to mounting flange [mm]	Assembly group "Cover" with cover, socket-head screws
U99	A4VBO 125	367	R902438778
	A4VBO 250	475	R902444736
ISO 3019-2	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw
U33	A4VBO 125	377	R902447012
	A4VBO 250	485	R902447013
U34	A4VBO 125	377	R902447019
	A4VBO 250	485	R902447020
U35	A4VBO 250	501	R902447028
ISO 3019-1 (SAE J744) Code	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw
U01	A4VBO 125	377	R902447030
	A4VBO 250	485	R902447032
U68	A4VBO 125	377	R902447040
	A4VBO 250	485	R902447042
U04	A4VBO 125	377	R902447045
	A4VBO 250	485	R902447047
U24	A4VBO 125	377	R902447052
	A4VBO 250	485	R902447053

## Material numbers for A15VSO; A15VLO series 1x

Code	Available for pump	Length to mounting flange [mm]	Assembly group "Cover" with cover, O-ring, socket-head screws	
U000	A15VSO 110	285	R902473330	
	A15VSO 145	310		
	A15VSO 175	328		
	A15VSO 210	345		
	A15VSO 280	387		
	A15VLO 145	375	R902496066	
	A15VLO 175	395	R902553103	
	A15VLO 210	412		
	A15VLO 280	443		
ISO 3019-2	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring metric imperial	
K3S3	A15VSO 110	301	R902534268	On request
	A15VSO 145	326		
	A15VLO 145	375		
	A15VSO 175	341	R902550628	On request
	A15VLO 175	390		
	A15VSO 210	358		
	A15VLO 210	407	On request	On request
	A15VSO 280	On request		
	A15VLO 280	On request		
K5S3	A15VSO 110	301	R902535194	On request
	A15VSO 145	326		
	A15VLO 145	375		
	A15VSO 175	341	R902558152	On request
	A15VLO 175	390		
	A15VSO 210	358		
	A15VLO 210	407	R902558151	On request
	A15VSO 280	400		
	A15VLO 280	438		
L5S4	A15VSO 110	312	R902545964	On request
	A15VSO 145	337		
	A15VLO 145	386		
	A15VSO 175	355	R902556790	On request
	A15VLO 175	404		
	A15VSO 210	372		
	A15VLO 210	421	R902548500	On request
	A15VSO 280	414		
	A15VLO 280	452		

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Material numbers for A15VSO; A15VLO series 1x

ISO 3019-2	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring	
			metric	imperial
M4S5	A15VSO 110	312	R902542344	On request
	A15VSO 145	337		
	A15VLO 145	386		
	A15VSO 175	355	R902562555	On request
	A15VLO 175	404		
	A15VSO 210	372		
	A15VLO 210	421		
	A15VSO 280	On request	On request	On request
	A15VLO 280	On request		
M4Z7	A15VSO 110	On request	On request	On request
	A15VSO 145	On request		
	A15VLO 145	On request		
	A15VSO 175	On request	On request	On request
	A15VLO 175	On request		
	A15VSO 210	On request		
	A15VLO 210	On request		
	A15VSO 280	On request	On request	On request
	A15VLO 280	On request		
P4S7	A15VSO 110	323	R902559803	On request
	A15VSO 145	348		
	A15VLO 145	397		
	A15VSO 175	355	R902547363	On request
	A15VLO 175	404		
	A15VSO 210	372		
	A15VLO 210	421		
	A15VSO 280	414	R902512007	On request
	A15VLO 280	452		
N4Z9	A15VSO 110	On request	On request	On request
	A15VSO 145	On request		
	A15VLO 145	On request		
	A15VSO 175	On request	On request	On request
	A15VLO 175	On request		
	A15VSO 210	On request		
	A15VLO 210	On request		
	A15VSO 280	414	R902544243	On request
	A15VLO 280	452		
R4S9	A15VSO 175	360	R902488851	On request
	A15VLO 175	409		
	A15VSO 210	377		
	A15VLO 210	426		
	A15VSO 280	419	R902514299	On request
	A15VLO 280	457		

ISO 3019-2	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring	
			metric	imperial
R4T1	A15VSO 175	On request	On request	On request
	A15VLO 175	On request	On request	On request
	A15VSO 210	On request	On request	On request
	A15VLO 210	On request	On request	On request
	A15VSO 280	432	R902545468	On request
	A15VLO 280	470		
ISO 3019-1 (SAE J744)	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring	
			metric	imperial
A1S2	A15VSO 110	301	R902542364	R902543056
A3S2	A15VSO 145	326		
	A15VLO 145	375		
	A15VSO 175	341	R902535272	R902542470
	A15VLO 175	390		
	A15VSO 210	358		
	A15VLO 210	407		
	A15VSO 280	400	R902541607	R902561450
	A15VLO 280	438		
B1S4	A15VSO 110	312	R902516812	R902541079
B3S4	A15VSO 145	337		
	A15VLO 145	386		
	A15VSO 175	355	R902510920	R902553760
	A15VLO 175	404		
	A15VSO 210	372		
	A15VLO 210	421		
	A15VSO 280	414	R902512054	R902542488
	A15VLO 280	452		
B1S5	A15VSO 110	312	R902512157	R902548885
B3S5	A15VSO 145	337		
	A15VLO 145	386		
	A15VSO 175	355	R902517320	R902545124
	A15VLO 175	404		
	A15VSO 210	372		
	A15VLO 210	421		
	A15VSO 280	414	R902517267	On request
	A15VLO 280	452		
B5S4	A15VSO 110	312	R902556281	R902543104
	A15VSO 145	337		
	A15VLO 145	386		
	A15VSO 175	355	R902549208	On request
	A15VLO 175	404		
	A15VSO 210	372		
	A15VLO 210	421		
	A15VSO 280	414	R902541685	On request
	A15VLO 280	452		

14 **Universal through drive for A10VO, A10VSO, A10VZO, A4VSO, A15VSO, A15V(L)O** | Axial piston variable pump  
Material numbers for A15VSO; A15VLO series 1x

ISO 3019-1 (SAE J744)	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring	
			metric	imperial
B5S5	A15VSO 110	On request	On request	On request
	A15VSO 145	On request		
	A15VLO 145	On request		
	A15VSO 175	355	R902536089	On request
	A15VLO 175	404		
	A15VSO 210	372		
	A15VLO 210	421		
	A15VSO 280	414	R902570631	On request
	A15VLO 280	452		
C1S7	A15VSO 110	323	R902511033	R902543544
C3S7	A15VSO 145	348		
	A15VLO 145	397		
	A15VSO 175	355	R902514325	R902553159
	A15VLO 175	404		
	A15VSO 210	372		
	A15VLO 210	421		
	A15VSO 280	414	R902515215	R902551581
	A15VLO 280	452		
C1S9	A15VSO 110	323	R902545065	On request
C3S9	A15VSO 145	348		
	A15VLO 145	397		
	A15VSO 175	360	R902531105	On request
	A15VLO 175	409		
	A15VSO 210	377		
	A15VLO 210	426		
	A15VSO 280	414	R902514098	R902539947
	A15VLO 280	452		
D4T1	A15VSO 110	336	R902516670	R902543106
	A15VSO 145	361		
	A15VLO 145	410		
	A15VSO 175	373	R902495015	R902546266
	A15VLO 175	422		
	A15VSO 210	390		
	A15VLO 210	439		
	A15VSO 280	432	R902497428	R902539862
	A15VLO 280	470		
D4A1	A15VSO 110	336	R902512707	On request
	A15VSO 145	350		
	A15VLO 145	399		
	A15VSO 175	364	R902533134	On request
	A15VLO 175	413		
	A15VSO 210	381		
	A15VLO 210	430		
	A15VSO 280	414	R902515220	On request
	A15VLO 280	452		

ISO 3019-1 (SAE J744)	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring metric imperial	
D4A2	A15VSO 145	350	R902542404	On request
	A15VLO 145	399		
	A15VSO 175	364	R902542402	On request
	A15VLO 175	413		
	A15VSO 210	381		
	A15VLO 210	430		
	A15VSO 280	423	R902519158	On request
	A15VLO 280	461		
E4A2	A15VSO 175	364	R902495006	On request
	A15VLO 175	413		
	A15VSO 210	381		
	A15VLO 210	430		
	A15VSO 280	423	R902495955	On request
	A15VLO 280	461		
E4A4	A15VSO 280	423	R902495953	On request
	A15VLO 280	461		
E4T1	A15VSO 175	373	R902536130	On request
	A15VLO 175	422		
	A15VSO 210	390		
	A15VLO 210	439		
	A15VSO 280	432	R902555996	R902542451
	A15VLO 280	470		

### Material numbers for A15V(L)O series 1x

Code	Available for pump	Length to mounting flange [mm]	Assembly group "Cover" with cover, O-ring, socket-head screws	
U000	A15VO 110	285	R902473330	
	A15VO 145	310		
	A15VO 175	328		
	A15VO 210	345		
	A15VO 280	387		
	A15VLO 145	375	R902496066	
	A15VLO 175	395	R902553103	
	A15VLO 210	412		
	A15VLO 280	443		
ISO 3019-1 (SAE J744)	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring metric imperial	
A1S2	A15VO 110	301	R902542364	R902543056
A3S2	A15VO 145	326		
	A15VLO 145	375		
	A15VO 175	341	R902535272	R902542470
	A15VLO 175	390		
	A15VO 210	358		
	A15VLO 210	407		
	A15VO 280	400	R902541607	R902561450
	A15VLO 280	438		

ISO 3019-1 (SAE J744)	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring metric imperial	
A3S3	A15VO 110	301	R902547361	R902546963
	A15VO 145	326		
	A15VLO 145	375		
	A15VO 175	341	On request	R902542454
	A15VLO 175	390		
	A15VO 210	358		
	A15VLO 210	407		
	A15VO 280	400	On request	R902543060
	A15VLO 280	438		
B1S4	A15VO 110	312	R902516812	R902541079
B3S4	A15VO 145	337		
	A15VLO 145	386		
	A15VO 175	355	R902510920	R902553760
	A15VLO 175	404		
	A15VO 210	372		
	A15VLO 210	421		
	A15VO 280	414	R902512054	R902542488
	A15VLO 280	452		
B3S5	A15VO 110	312	R902512157	R902548885
	A15VO 145	337		
	A15VLO 145	386		
	A15VO 175	355	R902517320	R902545124
	A15VLO 175	404		
	A15VO 210	372		
	A15VLO 210	421		
	A15VO 280	414	R902517267	On request
	A15VLO 280	452		
B5S4	A15VO 110	312	R902556281	R902543104
	A15VO 145	337		
	A15VLO 145	386		
	A15VO 175	355	R902549208	On request
	A15VLO 175	404		
	A15VO 210	372		
	A15VLO 210	421		
	A15VO 280	414	R902541685	On request
	A15VLO 280	452		
B5S5	A15VO 110	On request	On request	On request
	A15VO 145	On request		
	A15VLO 145	On request		
	A15VO 175	355	R902536089	On request
	A15VLO 175	404		
	A15VO 210	372		
	A15VLO 210	421		
	A15VO 280	414	R902570631	On request
	A15VLO 280	452		



ISO 3019-1 (SAE J744)	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring metric imperial	
C1S7	A15VO 110	323	R902511033	R902543544
C3S7	A15VO 145	348		
	A15VLO 145	397		
	A15VO 175	355	R902514325	R902553159
	A15VLO 175	404		
	A15VO 210	372		
	A15VLO 210	421		
	A15VO 280	414	R902515215	R902551581
	A15VLO 280	452		
C1S9	A15VO 110	323	R902545065	On request
C3S9	A15VO 145	348		
	A15VLO 145	397		
	A15VO 175	360	R902531105	On request
	A15VLO 175	409		
	A15VO 210	377		
	A15VLO 210	426		
	A15VO 280	414	R902514098	R902539947
	A15VLO 280	452		
C5S7	A15VO 110	323	R902564836	On request
	A15VO 145	348		
	A15VLO 145	397		
	A15VO 175	355	R902497179	On request
	A15VLO 175	404		
	A15VO 210	372		
	A15VLO 210	421		
	A15VO 280	414	R902550037	R902542469
	A15VLO 280	452		
C4S7	A15VO 110	323	R902542207	On request
	A15VO 145	348		
	A15VLO 145	397		
	A15VO 175	355	R902497177	On request
	A15VLO 175	404		
	A15VO 210	372		
	A15VLO 210	421		
	A15VO 280	414	R902543496	On request
	A15VLO 280	452		
C4V8	A15VO 110	323	R902545504	On request
	A15VO 145	348		
	A15VLO 145	397		
	A15VO 175	On request	On request	On request
	A15VLO 175	On request		
	A15VO 210	On request		
	A15VLO 210	On request		
	A15VO 280	On request	On request	On request
	A15VLO 280	On request		

18 **Universal through drive for A10VO, A10VSO, A10VZO, A4VSO, A15VSO, A15V(L)O** | Axial piston variable pump  
Material numbers for A15V(L)O series 1x

ISO 3019-1 (SAE J744)	Available for pump	Length to mounting flange [mm]	Assembly group "Flange and hub" with flange, hub, socket-head screw, O-ring metric imperial	
D4T1	A15VO 110	336	R902516670	R902543106
	A15VO 145	361		
	A15VLO 145	410		
	A15VO 175	373	R902495015	R902546266
	A15VLO 175	422		
	A15VO 210	390		
	A15VLO 210	439		
	A15VO 280	432	R902497428	R902539862
	A15VLO 280	470		
D4S7	A15VO 110	On request	On request	R902560514
	A15VO 145	On request		
	A15VLO 145	399		
	A15VO 175	On request	On request	R902556365
	A15VLO 175	On request		
	A15VO 210	On request		
	A15VLO 210	421		
	A15VO 280	On request	On request	On request
	A15VLO 280	On request		
D4V8	A15VO 110	On request	On request	On request
	A15VO 145	On request		
	A15VLO 145	On request		
	A15VO 175	On request	On request	On request
	A15VLO 175	On request		
	A15VO 210	On request		
	A15VLO 210	On request		
	A15VO 280	On request	On request	On request
	A15VLO 280	On request		
E4T1	A15VO 175	373	R902536130	On request
	A15VLO 175	422		
	A15VO 210	390		
	A15VLO 210	439		
	A15VO 280	432	R902555996	R902542451
	A15VLO 280	470		
E4T2	A15VO 175	386	R902543051	R902542482
	A15VLO 175	435		
	A15VO 210	403		
	A15VLO 210	452		
	A15VO 280	445	R902545123	R902542449
	A15VLO 280	483		
E4T3	A15VO 280	445	R902545886	R902535350
	A15VLO 280	483		
E4A4	A15VO 280	423	R902495953	On request
	A15VLO 280	461		

## Project planning notes

- ▶ The axial piston variable pumps A10VO, A10VSO, A4VSO, A4VBO, A15VO,/A15V(L)O and A15VSO/A15VLO are intended to be used in open circuit.
- ▶ Project planning, installation and commissioning of the axial piston units requires the involvement of skilled personnel.
- ▶ Before using the axial piston unit, please read the corresponding instruction manual completely and thoroughly. If necessary, this can be requested from Bosch Rexroth.
- ▶ Before finalizing your design, please request a binding installation drawing.
- ▶ Units U00 / U000 / U99 are provided **with a pressure-resistant** cover and can be operated as a single pump without through drive unit. All other units with through drive are provided with a **NON-pressure-resistant** cover. If these pumps are to be operated as single pumps without through drive units, a pressure-resistant cover suitable for the respective through drive must be mounted or the pump must be converted to version U00 / U000 / U99 using the assembly group "Cover".
- ▶ The specified data and notes contained herein must be observed.  
More information on the products can be found in the data sheets listed on page 1.
- ▶ Preservation: Our axial piston units are supplied as standard with preservation protection for a maximum of 12 months. If longer preservation protection is required (maximum 24 months), please specify this in plain text when placing your order. The preservation periods apply under optimal storage conditions, details of which can be found in the data sheet 90312 or the instruction manual.
- ▶ Not all versions of the product are approved for use in a safety function according to ISO 13849. Please consult the proper contact at Bosch Rexroth if you require reliability parameters (e.g. MTTF<sub>d</sub>) for functional safety.
- ▶ Please note the details regarding the tightening torques of port threads and other threaded joints in the instruction manual.

## Safety instructions

- ▶ During and shortly after operation, there is a risk of burning on the axial piston unit and especially on the solenoids. Take the appropriate safety measures (e.g. by wearing protective clothing).
- ▶ Moving parts in control equipment (e.g. valve spools) can, under certain circumstances, get stuck in position as a result of contamination (e.g. contaminated hydraulic fluid, abrasion, or residual dirt from components). As a result, the hydraulic fluid flow and the build-up of torque in the axial piston unit can no longer respond correctly to the operator's specifications. Even the use of various filter elements (external or internal flow filtration) will not rule out a fault but merely reduce the risk. The machine/system manufacturer should test whether additional measures are required on the machine for the relevant application in order to bring the driven consumer into a safe position (e.g. safe stop) and make sure any measures are properly implemented.

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