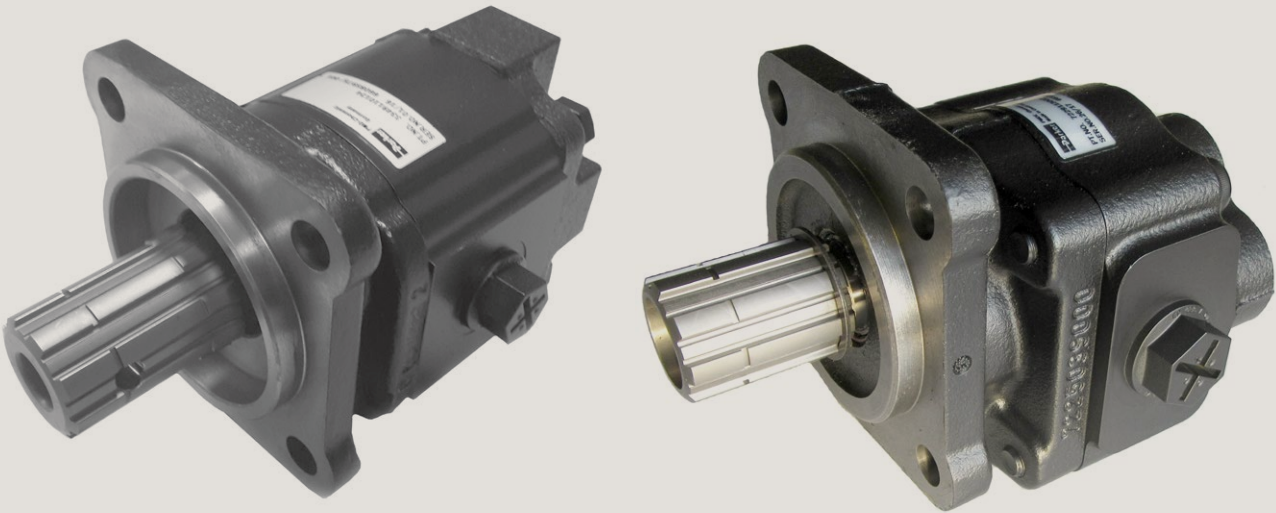


GPA and GP1 Pumps



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GPA and GP1

Specifications

Series GPA (aluminum body; 4-bolt)

Frame size GPA*	008	011	014	016	019
Displacement [cm ³ /rev]	8	11	14	16	19
Max pressure [bar]	250				
Speed [rpm]					
(at max pressure) min	500	500	500	500	500
max	2000	2000	2000	1750	1500
Weight [kg]	4.9	5.05	5.2	5.3	5.4

* Multi-section GPA pumps available on request.

Series GP1 (cast iron body; 4-bolt)

Frame size GP1*	023	029	041	046	060	080
Displacement [cm ³ /rev]	23	29	41	46	60	80
Max pressure [bar]	250	250	220	210	250	210
Speed [rpm] min	500	500	500	500	500	500
max	2000	2000	2000	2000	1800	1600
Weight [kg]	7.3	7.7	8.5	8.8	13.5	14.0

* Multi-section with GPA pumps available on request.

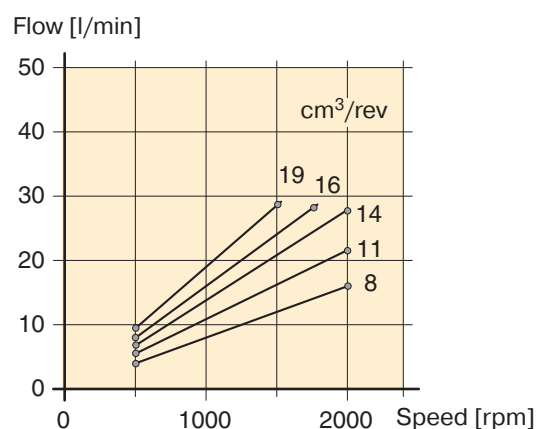
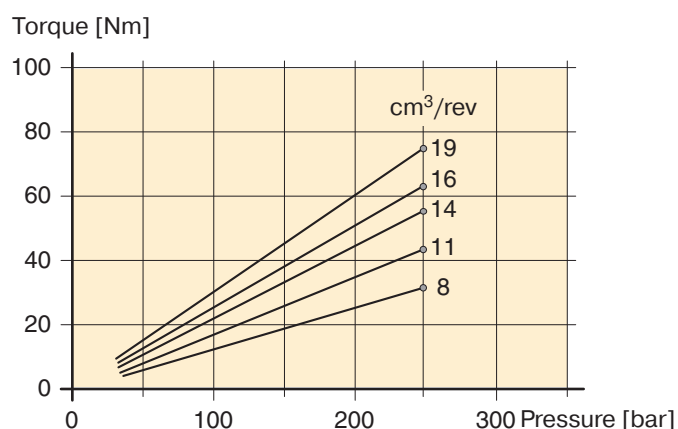
Technical drawing of the B8x32x36 ISO 14 / DIN 5462 coupling, showing front, side, and detail views with dimensions and a table of frame sizes.

Dimensions and Features:

- Front View:** Overall width 78.5, central hole diameter 38.5. Four mounting holes with diameter $\varnothing 80_{-0.06}^{+0.03}$. Four $\text{BSP } 1/2''-14$ ports (14 deep) with torque $72 \pm 7 \text{ Nm}$.
- Side View:** Overall length A, distance from front face to center of shaft B, distance from front face to center of coupling C. Shaft diameter $\varnothing 80_{-0.06}^{+0.03}$. Keyway width 11. Mounting holes with diameter $\varnothing 101.6$ and depth 15.9. Four $\text{BSP } 1/2''-14$ ports (14 deep).
- Detail View:** Groove for snap ring DIN 471 - 35x1.5. Groove width 1.6 H13. Groove depth 27.8. Groove diameter $\varnothing 8.1_{-0}^{+0.1}$. Groove length 25.
- Top View:** Overall width 108, distance between mounting holes 80. Four mounting holes with diameter $\varnothing 13 \times 4$ and radius R14x4. Four $\text{BSP } 1/2''-14$ ports (14 deep).

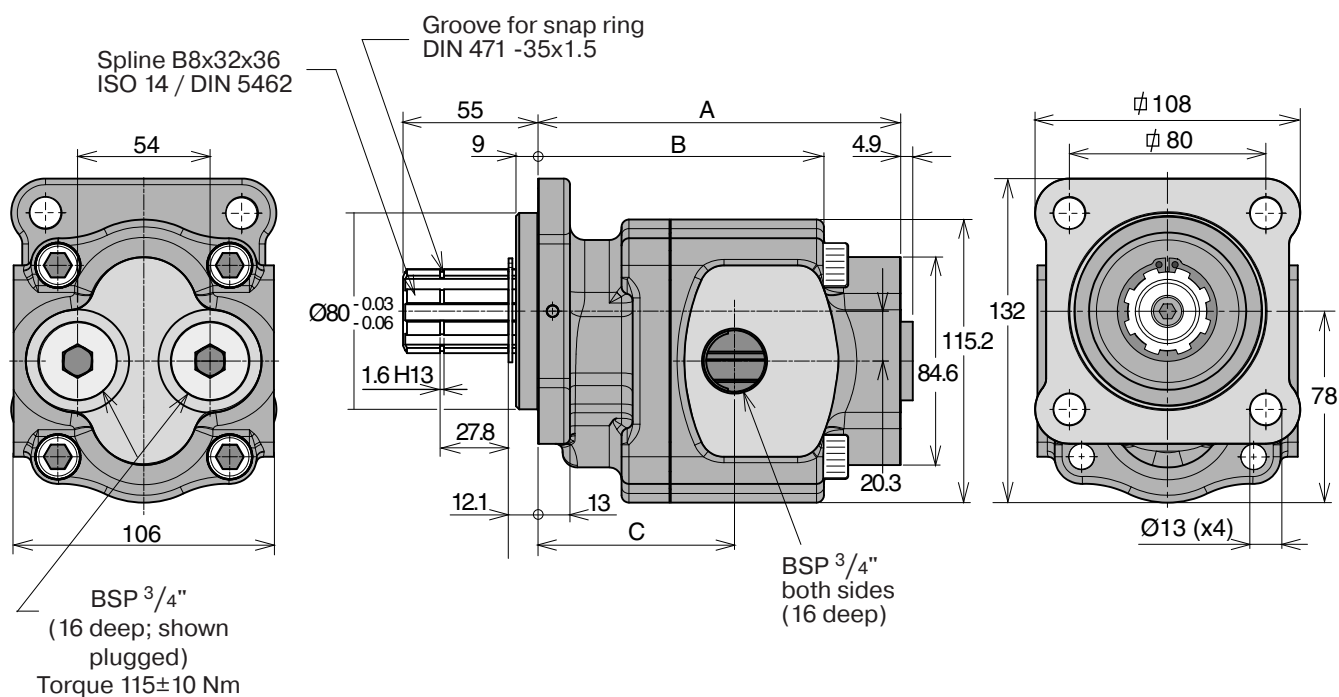
Table of Frame Sizes:

Frame size	008	011	014	016	019
Dim. "A"	128.8	133.5	138.3	141.4	146.1
Dim. "B"	53.3	58	62.8	65.9	70.6
Dim. "C"	68.7	71	73.4	74.9	77.3

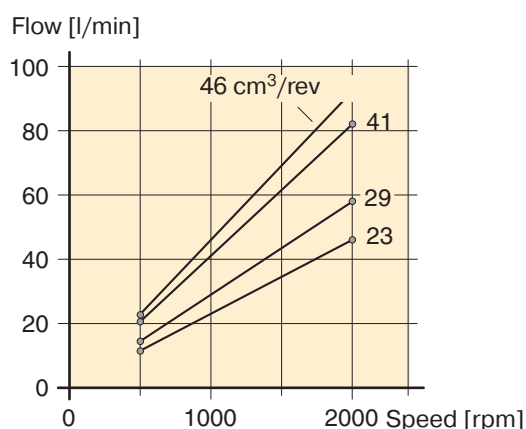
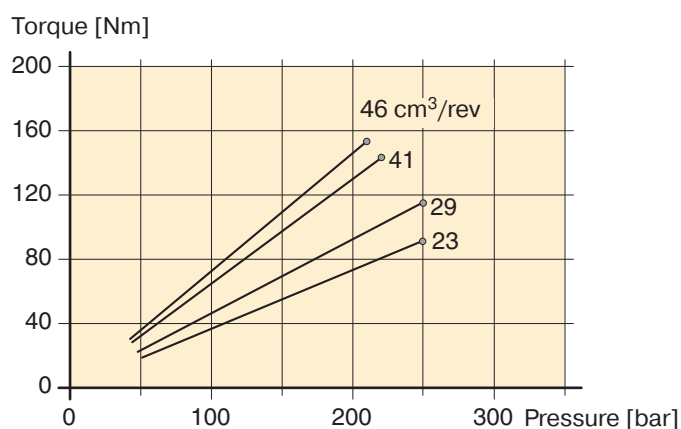


Direction of rotation:	Bi-directional
Input pressure:	0.8 to 2.0 bar (absolute)
Fluid temperature:	- 15 °C to +80 °C
Range of operating viscosity:	8 to 1000 mm ² /s (cSt)

GP1-023/-029/-041/-046 4-bolt



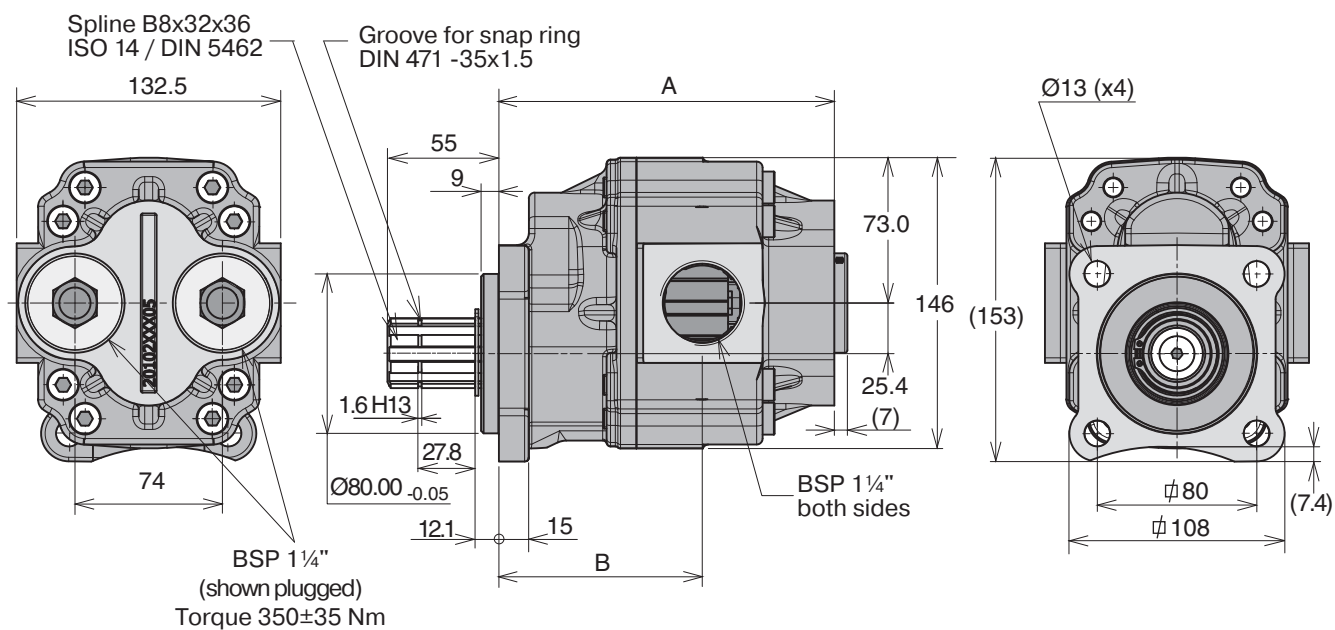
Frame size	023	029	041	046
Dim. "A"	128.5	134.3	147.7	153.2
Dim. "B"	97.3	103.3	116.4	121.9
Dim. "C"	77.1	76.0	80.0	84.8



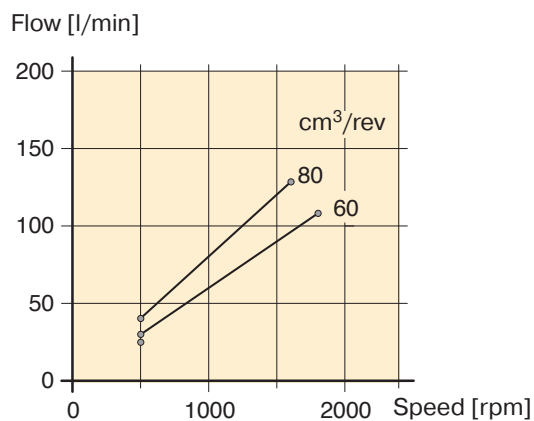
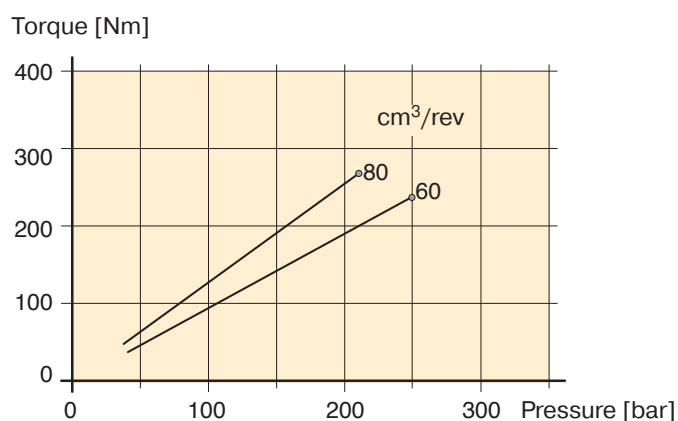
Diagrams reflect theoretical values

Direction of rotation: Bi-directional
 Input pressure: 0.8 to 2.0 bar (absolute)
 Fluid temperature: -15 °C to +80 °C
 Range of operating viscosity: 8 to 1000 mm²/s (cSt)

GP1-060/-080 4-bolt



Frame size	060	080
Dim. "A"	168.3	186.5
Dim. "B"	102	108



Diagrams reflect theoretical values

Direction of rotation: Bi-directional
Input pressure: 0.8 to 2.0 bar (absolute)
Fluid temperature: -15 °C to +80 °C
Range of operating viscosity: 8 to 1000 mm²/s (cSt)

Ordering code

Example:

GPA- 008 - 4

A Aluminium body

1 Cast iron body

Frame size

A = 008, 011, 014, 016 or 019

1 = 023, 029, 041, 046, 060 or 080

4 4 bolt flange

NOTE: The pump **does not** include a suction fitting; it must be ordered separately. See page 62 ff.

Standard versions

Aluminium 4 bolt

Designation	Ordering no.
GPA-008-4	334 9113 940
GPA-011-4	334 9113 941
GPA-014-4	334 9113 942
GPA-016-4	334 9113 943
GPA-019-4	334 9113 944

Cast iron 4 bolt

Designation	Ordering no.
GP1-023-4	722 9113 005
GP1-029-4	722 9113 006
GP1-041-4	722 9113 007
GP1-046-4	722 9113 008
GP1-060-4	704 9113 942
GP1-080-4	704 9113 944

Sealkits for GPA and GP1

Designation	Ordering no.
Seal kit GPA 8-19 CC	391 1842 645
Seal kit GP1 23-46 CC	391 1842 636
Seal kit GP1 60-80 CC	391 1832 690