

Bearings with sand channels

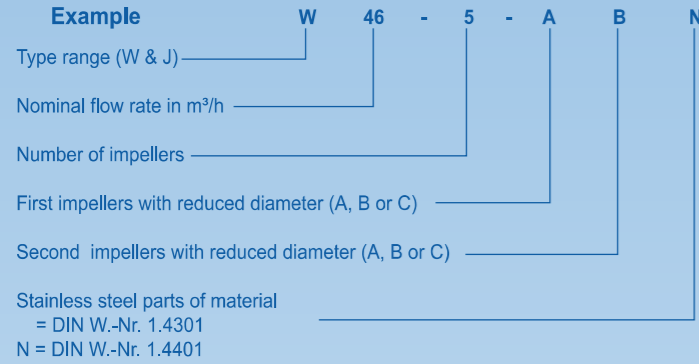
All bearings are water-lubricated and have a squared shape enabling sand particles, if any, to leave the pump together with the pumped liquid.

Inlet strainer

The inlet strainer prevents particles over a certain size from entering th

Product data

Type key



Curve conditions

The conditions below apply to the curves shown the following pages:

General

- Curve tolerances according to ISO 9906, Annex A.
- The performance curves show pump performance at actual speed of standard motor range.

The speed of the motors is approximately :

4" motors : n = 2900 min⁻¹

6" motors : n = 2900 min⁻¹

8" to 12" motors : n = 2900 min⁻¹

- The measurements were made with airless water at a temperature of 20°C. The curves apply to a kinematic viscosity of 1mm²/s (1cSt). When pumping liquids with a density higher than that of water, motors with correspondingly higher outputs must be used.

- The performance curves are inclusive of possible losses such as non-return valve loss.

W A curves

- **Q/H** : The curves are inclusive of valve and inlet losses at the actual speed.
- **Power curve** : The curves shows pump power input at the actual speed for one stage.
- **Efficiency curve** : p% shows pump stage efficiency.

W, J & JH curves

- **Q/H** : The curves are inclusive of valve and inlet losses at the actual speed. Operation without non-return valve will increase the actual head at nominal performance by 0.5 to 1.0 m.
- **NPSH** : The curve is inclusive of suction interconnector and shows required inlet pressure.
- **Power curve** : The curves shows pump power input at the actual speed for one stage.
- **Efficiency curve** : p% shows pump stage efficiency.

Pump range

Type	J9	J12	J15	J17	J19	J21	J24	J27	J10H	J13H	J16H	J18H
Steel: DIN 1.4301 AISI 304	●	●	●	●	●	●	●	●	●	●	●	●
Steel: DIN 1.4401 AISI 316												
Connection *	Rp 2½ (R 2½)	Rp 2½ (R 2½)	Rp 2½ (R 2½)	Rp 2½ (R 2½)	Rp 2½ (R 2½)	Rp 2½ (R 2½)	Rp 2½ (R 2½)	Rp 2½ (R 2½)	Rp 2½ (R 2½)	Rp 2½ (R 2½)	Rp 2½ (R 2½)	Rp 2½ (R 2½)
Flange Connection:												

Type	W1A	W2A	W3A	W5A	W8A	W14A	W30	W46	W60	W77	W95	W125	W160	W215
Steel: DIN 1.4301 AISI 304	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Steel: DIN 1.4401 AISI 316														
Connection *	Rp 1¼	Rp 1¼ (R 1¼)	Rp 1¼	Rp 1½ (R 1½)	Rp 2 (R 2)	Rp 2	Rp 3 (R 3)	Rp 3 Rp 4 (R 4)	Rp 3 Rp 4	Rp 5	Rp 5	Rp 6	Rp 6	Rp 6
Flange Connection:										5"	5"	6"	6"	6"

* Figure in brackets () indicate connection for pumps in sleeve.

Product data

Electric Submersible Pumps Performance Ranges

