### ISO 2858 Series Pump Performance Data

#### Tombstone Curves

**Dimension Data (mm)**

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As part of continuous product development, Stalker Engineering Pty Ltd reserves the right to update technical specifications for any of its technical media or products without prior notice. Stalker Engineering Pty Ltd is the sole owner of all data and content contained in this brochure.

For further information on any of our products or services, please contact us on:

**Ph** +61 8 6254 2133

**Fax** +61 8 6254 2146

**Email** sales@stalkerpumps.com.au

12 Bell Street Canning Vale, Western Australia 6155

### ISO 2858 Series Pumps

End Suction Pumps to ISO 2858

**BEARING FRAME SIZE**

- **No.1**
- **No.2**
- **No.3**
- **No.4**
The Stalker Back-pull-out Pump is a horizontal end suction, vertical top discharge, single stage, foot mounted centrifugal pump — Conforming to ISO 2858.

The Stalker Back-pull-out Pump is a true back-pull-out (BPO) meaning, when configured with a spacer coupling, the electric/diesel motor remains undisturbed in position, while the back plate and rotating assembly can be removed for servicing. This effective design reduces equipment down time and allows an identical assembly to be reinstalled with minimal service interruption.

ISO 2858 standard ensures dimensional interchangeability with other pumps conforming to this recognised international standard. This means that Stalker Pumps can provide a pump in superior material to directly interchange with other manufacturer’s equipment. (No pipe work or motor changes required)

**AUSTRALIAN OWNED, DESIGNED & MANUFACTURED**
Stalker Pumps are all designed, engineered and manufactured at our facility in Perth WA. In-house casting of all our metals means we can provide competitive pricing and short lead times. We are dedicated to delivering the highest levels of customer satisfaction at all times by offering...

- a dedicated & professional after-sales support team
- a large inventory of components, parts & assemblies ‘on the shelf’
- a diverse range of configurations to suit various applications
- ISO 9001 compliance with certification through Bureau Veritas
- a reputation for rugged and reliable pumps that are easily maintained
- rapid repair service via an Australia-wide network of distributors & outlets
- experienced drafting & fabrication team for complete customised solutions
- local, national and international delivery service

**ISO SERIES**

**APPLICATIONS & OPTIONS**

- Available as standard direct coupled units suitable for direct coupling or pulley driven by electric motors, petrol or diesel engines and hydraulic motors.
- Manufactured for close coupling to electric motors.
- Suitable for pumping clean water, sea water, raw water, process water, waste water, sewage and hazardous as well as corrosive liquids.
- Supplied as stand alone units or coupled to the drive of your choice.
- Mounted base frame and/or Heavy duty Trailer mounted assemblies available.
- Can be configured to suit a wide variety of application conditions which are not catered for by other manufacturers.
- Consumable material options available for high tensile fasteners, high grade material O-rings, oil seals and mechanical seals.

Our Design, Production, Quality Assurance and Control services are all managed from our Head Office. Our Service & Maintenance Department offer technical back-up and spare parts for the operational life of the product thus allowing for full customer service and minimal maintenance downtime.
Casing: Standard Cast Iron AS1830 T260 Grade. Alternative options include but are not limited to:
- Austenitic Iron AS1833 203
- Stainless Steel AS2074 /H6B
- Zinc free bronze AS1565 / C90250
- Duplex, Alloy 20, 27% Chrome, Cast Steel
Mounting feet are incorporated in the casing casting.

Flanges: Dimensions are to AS2129 Table E, optional drillings on request.

Pump Cover: Supplied in the same material as the casing, incorporates the mechanical seal and stuffing box.

Stuffing Box: Standard design for DIN 24960 seal bores. Cartridge type available on request.

Impeller: Standard Cast Iron AS1830 T260 Grade. Alternative material options are as above in casing manufacture.

Wear rings: Available as an option in standard leaded bronze. Alternative material options available on request.

O-rings: Reusable O-ring body seals in nitrial as standard and viton as an option.

Shaft: Rigid heavy duty design type stainless steel 590 Mpa UTS AS2837-431. Alternative materials are available and include type 316 or Duplex 2205.

Mechanical Seal: Single or double mechanical seals running on stainless steel shaft are available in balanced or unbalanced configuration of various types to suit particular applications. External clean water flushing and cooling can be supplied for high temperature, abrasive or toxic applications.

Packed Gland: Optional on request.

Bearings: Heavy duty deep groove ball bearings. Greasable and fitted with grease nipples. Available as sealed for life, or running in oil filled housing. Bearing housing is fitted with breather and oil level and drain plugs. Optional constant level oilers and oil cooling is also available.

Bearing Housing: Is of cast iron, flanged to suit casing and cover, and incorporates large openings for access to stuffing box.

Bearing Covers: Are of cast iron and fitted with rubber “Oil Seals” to exclude dust and water from the bearings. Covers are held in place by high tensile hex head screws.