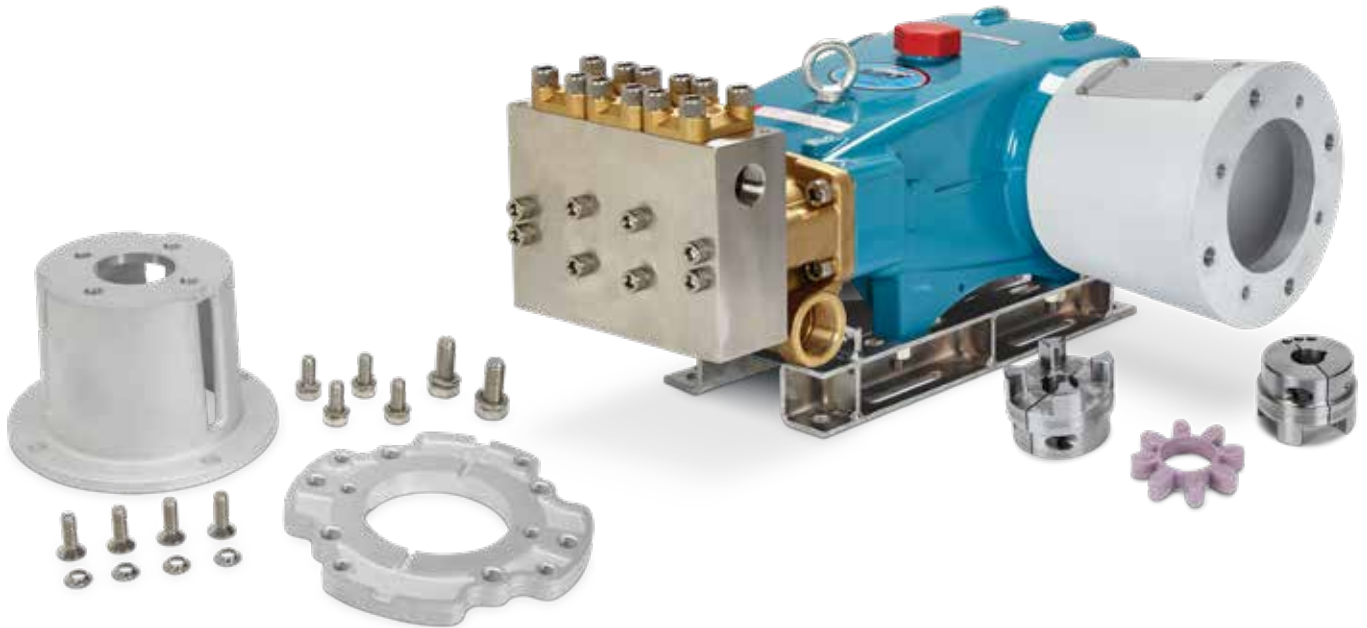


DIRECT-DRIVE HYDRAULIC MOTOR BELL HOUSINGS



Bell Housings for Hydraulic Motors Provide Assembly Convenience

Cat Pumps bell housings offer a fast and convenient way to mount hydraulic motors to high-pressure pumps in a direct-drive configuration. Bell housings are designed to accept SAE "A," SAE "B" and SAE "C" mounts to fit a variety of pumps rated to 50 gpm and 10,000 psi. Bell housings are available as individual components or assembled as a complete pump/motor assembly. Take advantage of Cat Pumps off-the-shelf service for this ultra-convenient line of hydraulic motor bell housings.

Features

- Optimal alignment reduces side-loading for longer life, and ensures trouble-free operation
- Compact direct mounting reduces the space requirement
- Cast from lightweight, high-strength aluminum alloy
- Ease of assembly reduces fabrication costs
- Slotted housing allows for easy access to coupler set screws
- Available as a complete drive package for convenient assembly

Applications

- Hydro Excavation
- Jetting
- Washdown Systems
- Street Sweepers
- Drill Rigs
- Many other applications powered by hydraulic motors

See our complete line of bell housings and other accessories at www.catpumps.com

Pump Selector

Brass

PUMP MODEL	GPM	MAX PSI	RPM
5CP4110CSS	2.2	4000	1750
3CP1130	2.4	2200	1725
5CP3105CSS	2.5	3500	1750
5CP4112CSS	2.7	4000	1750
740	2.9	5000	1750
1810	3.0	10000	1500
5CP4114CSS	3.2	4000	1750
3CP1140	3.6	2200	1725
5CP3110CSS	3.6	3500	1750
760	3.6	5000	1750
5CP4116CSS	3.8	4000	1750
5CP2140WCS	4.0	2500	1750
3CP1120	4.2	2200	1725
5CP4118CSS	4.2	4000	1750
5CP3160CSS	4.3	3500	1750
5CP4120CSS	4.5	4000	1750
60	4.7	4000	1750
700	4.7	5000	1750
5CP3120CSS	4.8	3000	1750
5CP2150W	5.0	2000	1750
5CP5120	6.0	2500	1750
1570	6.0	6000	1350
5CP5140	6.4	3000	1750
5CP6120	7.4	1500	1725
56	8.0	2500	1750
56HS	8.0	3000	1760
5CP6180CSS	8.2	1500	1750
1560	9.0	4000	1280
5CP6190	10.0	1200	1750
660	10.0	3000	1429
3550	10.0	6000	940
7CP6110CS	10.5	2000	1750
7CP6160CS	10.6	2500	1750
7CP6170	12.0	1800	1600
1580	12.0	3000	1180
1050	12.3	1800	1180
1730	15.8	1500	1750
1530	15.6	1500	1450
2560BH	16.0	3000	1510
1540E	18.0	1200	1100
2510	20.0	2000	1450
2565BH	20.0	2500	1450
3560	20.0	4000	1160
2520	25.0	800	772
2530	25.0	1200	1025
3520	25.0	2000	870
3560	25.0	3000	1450
3570S*	30.0	3000	1080
3535HS*	40.0	2000	888
3545HS*	50.0	1500	850

*Intermittent Duty

316 Stainless Steel

PUMP MODEL	GPM	MAX PSI	RPM
3CP1231	2.3	2000	1725
784	2.9	5000	1750
3CP1241	3.6	2000	1725
786	3.6	5000	1750
5CPQ6241CS	4.0	2000	1725
3CP1221	4.2	2000	1725
781	4.7	5000	1750
5CPQ6251	5.0	2000	1725
5CPQ6281CSS	5.5	2000	1725
5CPQ6271CSS	6.6	1800	1725
5CPQ6221	7.4	1500	1725
661D	10.0	3000	1429
3501	10.0	5000	915
7CP6111CS	10.5	2000	1750
7CP6171CS	12.0	1800	1600
1051	12.3	1800	1180
3511	14.0	3000	800
1531	15.6	1500	1450
1731	15.8	1500	1750
1541	18.0	1200	1100
2511	20.0	1500	1450
3521DHS	25.0	2000	870
2531	25.0	1200	1025
3531DHS*	40.0	2000	888
3541DHS*	50.0	1500	850

*Intermittent Duty

Nickel Aluminum Bronze

PUMP MODEL	GPM	MAX PSI	RPM
237	2.3	1500	1725
247	3.6	1200	1725
347	4.0	1800	1725
277	4.2	1000	1725
357	5.0	1500	1725
3507	10.0	5000	915
1057	12.3	1800	1180
3517	14.0	3000	800
2537	25.0	1200	1025
3527	25.0	2000	870
3537HS*	40.0	2000	888
3547HS*	50.0	1500	850

*Intermittent Duty

* Intermittent Duty Cycle Defined As:

Operating pump at maximum rated flow and pressure for no more than 50% of the time in any given hour.

Mounting Components

Bell Housing Assembly

PUMP SERIES	MODELS	SAE TYPE	BELL HOUSING ASSEMBLY
3CP	All 3CP Models	A2	76SAEA2.3CP
		B2	76SAEB2.3CP
		B4	76SAEB4.3CP
3FR	All 3FR Plunger Models	A2	76SAEA2.3FR
		B2	76SAEB2.3FR
		B4	76SAEB4.3FR
5CP	All 5CP Models	A2	76SAEA2.5CP
		B2	76SAEB2.5CP
		B4	76SAEB4.5CP
5FR	All 5FR Plunger Models	A2	76SAEA2.5FR
		B2	76SAEB2.5FR
		B4	76SAEB4.5FR
7CP	All 7CP Models	A2	76SAEA2.7CP
		B2	76SAEB2.7CP
		B4	76SAEB4.7CP
7FR/8FR	All 7FR/8FR Models	A2	76SAEA2.7FR
		B2	76SAEB2.7FR
		B4	76SAEB4.7FR
15FR	All 15FR Models	B2	76SAEB2.15FR
		B4	76SAEB4.15FR
25FR	All 25FR Pumps	C2/C4	76SAEC.25FR
35FR	All 35FR Pumps	C2/C4	76SAEC.35FR

Bell Housing Assemblies include mounting hardware and flange

SAE TYPE:

A2 = SAE "A" 2 Bolt, 3.25" Pilot

B2 = SAE "B" 2 Bolt, 4" Pilot

B4 = SAE "B" 4 Bolt, 4" Pilot

C2 = SAE "C" 2 Bolt, 5" Pilot

C4 = SAE "C" 4 Bolt, 5" Pilot

Flexible Coupler Assembly

PUMP SERIES	SAE TYPE	FLEX COUPLER ASSEMBLY	SHAFT TO SHAFT	TORQUE (FT-LBS)
3CP & 3FR	A2	8271	16.5mm x 5/8"	74
	B2, B4	8272	16.5mm x 7/8"	74
5CP & 5FR	A2	8273	20mm x 5/8"	74
	B2, B4	8274	20mm x 7/8"	74
7CP & 7FR	A2	8371	24mm x 5/8"	92
	B2, B4	8372	24mm x 7/8"	92
15FR	B2, B4	8387	30mm x 7/8" (1/4" Key)	150
25FR	C2/C4	994303	30mm x 1 1/4" (5/16" Key)	188
	C2/C4	997872	35mm x 1 1/4" (5/16" Key)	350
35FR	C2/C4	999368	35mm x 1 3/8" (5/16" Key)	350
	C2/C4	994403	35mm x 1 1/2" (3/8" Key)	350
	C2/C4	999180	35mm x 1 5/8" (3/8" Key)	350
	C2/C4	999206	35mm x 1 7/8" (1/2" Key)	350

Flexible Coupler Assembly



Bell Housing Assembly



Custom Engineered Power Units

You define. We design.

Cat Pumps also offers custom engineered systems (power units) that are designed to meet your requirements. All units are factory flow and pressure tested before shipment. Complete our online Power Unit Quote Form online or call for a quote. See catpumps.com.

Design Features:

- Electric, gas, diesel, hydraulic and pneumatic drive options
- Heavy-duty construction
- Compact, streamline design
- Various control options to meet application needs
- Stationary or portable design
- Corrosion-resistant options
- System accessories



System Accessories

Maximum System Performance

Cat Pumps offers a wide range of accessories that meet the same exacting standards as its pumps. A pumping system's performance is as good as its weakest component, which is why accessory components are rigorously tested and evaluated. The goal is to provide the best system value by offering pumps and accessories that exceed performance and reliability expectations. Cat Pumps products offers the lowest possible life cycle cost.

Products:

- Pressure Controls
- Shut-Off Guns
- Nozzles
- Pressure Gauges
- Pressure Switches
- Throttle Controllers
- Pop-Off/Relief Valves
- Lances/Wands
- Pulsation Dampeners
- Inlet Filters
- Thermal Valves
- Mag-Jet and Pulsator Valve Assemblies



CAT PUMPS

1681 – 94TH LANE N.E. MINNEAPOLIS, MN 55449-4324
PHONE (763) 780-5440 — FAX (763) 780-2958
info@catpumps.com | www.catpumps.com