

## Flexible Couplings / Bell Housings / Damping



### ND Aluminium Series - OMT

- Cast alloy with flexible rubber insert, pre-bored to suit 1:8 taper or SAE shafts and UNEL electric motors.

| Model/Parts Required          | Pump Shaft      | Motor Shaft<br>mm | Frame Size | Rubber Ø<br>mm |
|-------------------------------|-----------------|-------------------|------------|----------------|
| ND 2                          | Grp. 1 Taper    | 14                | 71         | 42             |
| ND 5                          | Grp. 1 Taper    | 19                | 80         | 62             |
| ND 8                          | Grp. 1 Taper    | 24                | 90         | 62             |
| ND 11                         | Grp. 1 Taper    | 28                | 100 - 112  | 62             |
| ND 7                          | Grp. 2 Taper    | 19                | 80         | 62             |
| ND 10                         | Grp. 2 Taper    | 24                | 90         | 62             |
| ND 13                         | Grp. 2 Taper    | 28                | 100 - 112  | 62             |
| ND 14                         | Grp. 2 Taper    | 28                | 100 - 112  | 82             |
| ND 16                         | Grp. 2 Taper    | 38                | 132        | 82             |
| ND 43A                        | Grp. 2 Taper    | 42                | 160        | 103            |
| ND 17                         | Grp. 3 Taper    | 38                | 132        | 82             |
| ND 43C                        | Grp. 3 Taper    | 42                | 160        | 103            |
| ND 44C                        | Grp. 3 Taper    | 48                | 180        | 103            |
| ND 40                         | Grp. 3 Taper    | 55                | 200        | 103            |
| ND65BG1 + R-62 + ND65H4D11    | 5/8" Parallel   | 24                | 90         | 62             |
| ND65BG1 + R-62 + ND65H4D22    | 3/4" Parallel   | 24                | 90         | 62             |
| ND65CG1 + R-62 + ND65H4D22    | 3/4" Parallel   | 28                | 100 - 112  | 62             |
| ND65BG1 + R-62 + ND65H9C99    | 7/8" Parallel   | 24                | 90         | 62             |
| ND86AG1 + R-82 + ND86HC27     | 7/8" Parallel   | 28                | 100 - 112  | 82             |
| ND86BG1 + R-82 + ND86HC27     | 7/8" Parallel   | 38                | 132        | 82             |
| ND108BG1 + R-103 + ND108H2C98 | 1 1/4" Parallel | 42                | 180        | 103            |
| ND108CG1 + R-103 + ND108HC98  | 1 1/4" Parallel | 48                | 180        | 103            |

### POL Steel Series - OMT

- Steel couplings with polyamide sleeve, pre-bored or blank coupling halves. Designed to establish a connection between an electric motor and hydraulic pump. Mix and match to get the desired assembly.



|                                        |  |
|----------------------------------------|--|
| <b>OMT3 – 112.8Nm@3000rpm (35.4kW)</b> |  |
| <b>Sleeve</b>                          |  |
| POL-3                                  |  |
| <b>Motor Half</b>                      |  |
| OMT3060C – blank                       |  |
| OMT3060C36 – 28mm, 100/112 frame       |  |
| <b>Pump Half</b>                       |  |
| OMT3060C22 – SAE A 3/4"                |  |
| OMT3060SE07 – SAE A 9T                 |  |
| OMT3060C – blank                       |  |

|                                         |  |
|-----------------------------------------|--|
| <b>OMT4 – 186.4Nm@3000 rpm (58.5kW)</b> |  |
| <b>Sleeve</b>                           |  |
| POL-4                                   |  |
| <b>Motor Half</b>                       |  |
| OMT4080C – blank (or pump half)         |  |
| OMT4080C47 – 38mm, 132 frame            |  |
| <b>Pump Half</b>                        |  |
| OMT4080C22 – SAE A 3/4"                 |  |
| OMT4080C27 – SAE B 7/8"                 |  |
| OMT4080SE10 – SAE B 13T                 |  |
| OMT4080SE11 – SAE B 15T                 |  |

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### POL Steel Series – OMT (continued)

|                                            |
|--------------------------------------------|
| <b>OMT5 – 269.8Nm@3000rpm<br/>(84.5kW)</b> |
| <b>Sleeve</b>                              |
| POL-5                                      |
| <b>Motor Half</b>                          |
| OMT5080C – blank (or pump)                 |
| OMT5110C51 – 42mm, 160 frame               |
| OMT5110C54 – 48mm, 180 frame               |
| <b>Pump Half</b>                           |
| OMT5060C22 – SAE A 3/4" Parallel           |
| OMT5060C28 – SAE B 7/8" Parallel           |
| OMT5060C40 – SAE C 1 1/4" - short          |
| OMT5060SE04 – SAE C 14T - short            |
| OMT5060SE10 – SAE B 13T - short            |
| OMT5060SE11 – SAE B 15T - short            |
| OMT5080C40 – SAE C 1 1/4" - long           |
| OMT5080SE04 – SAE C 14T - long             |
| OMT5080SE06 – SAE CC 17T                   |
| OMT5080SE10 – SAE B 13T                    |

|                                            |
|--------------------------------------------|
| <b>OMT6 – 412.4Nm@3000 rpm<br/>(130kW)</b> |
| <b>Sleeve</b>                              |
| POL-6                                      |
| <b>Motor Half</b>                          |
| OMT6080C56 – 55mm, 200 frame               |
| OMT6080C57 – 60mm, 225 frame               |
| OMT6080C58 – 65mm, 250 frame               |
| OMT6110C – blank                           |
| OMT6110C56 – 55mm, 200 frame               |
| OMT6080C58 – 65mm, 250 frame               |
| <b>Pump Half</b>                           |
| OMT6080C40 – SAE C 1 1/4"                  |
| OMT6080SE04 – SAE C 14T                    |
| OMT6080SE06 – SAE C 17T                    |
| OMT6110C39 – SAE C 1 1/4"                  |
| OMT6080SE06 – SAE CC 17T                   |
| OMT6110C – blank                           |

### Bell Housings – OMT

- Cast alloy, pre-tapped to suit pumps with European style 4 bolt or SAE mounts.



| Model      | Motor Flange<br>mm | Frame Size |               |
|------------|--------------------|------------|---------------|
| LS161      | 160                | 71         | Grp. 1 Euro   |
| LS201      | 200                | 80 - 90    | Grp. 1 Euro   |
| LS203      | 200                | 80 - 90    | Grp. 2 Euro   |
| LS250      | 250                | 100 - 112  | Grp. 1 Euro   |
| LS252      | 250                | 100 - 112  | Grp. 2 Euro   |
| LS255      | 250                | 100 - 112  | Grp. 3 Euro   |
| LS300      | 300                | 132        | Grp. 2 Euro   |
| LS302      | 300                | 132        | Grp. 3 Euro   |
| LS350      | 300                | 160        | Grp. 2 Euro   |
| LS352      | 350                | 160 - 180  | Grp. 3 Euro   |
| LSE401     | 400                | 200        | Grp. 3 Euro   |
| TH1-825A   | 200                | 80 - 90    | SAE 'A'       |
| TH15-101A  | 400                | 200        | SAE 'B'       |
| TH20A-453A | 200                | 80-90      | HALDEX 4 bolt |
| B20Q1A101A | 200                | 80 - 90    | SAE 'B'       |
| TH2-825A   | 250                | 100 - 112  | SAE 'A'       |
| TH2-101A   | 250                | 100 - 112  | SAE 'B'       |
| TH2-127A   | 250                | 100 - 112  | SAE 'C'       |
| TH3-825A   | 300                | 132        | SAE 'A'       |
| TH3-101A   | 300                | 132        | SAE 'B'       |
| TH3-127A   | 300                | 132        | SAE 'C'       |
| TH3-101A   | 300                | 132        | SAE 'B'       |
| TH3-127A   | 300                | 132        | SAE 'C'       |
| TH4-825A   | 350                | 160 - 180  | SAE 'A'       |
| TH4-101A   | 350                | 160 - 180  | SAE 'B'       |
| TH4-127A   | 350                | 160 - 180  | SAE 'C'       |
| TH4-127C   | 350                | 160-180    | SAE 'C' 4B    |

## Flexible Couplings / Bell Housings / Damping

### Couplings & Bell Housings for Petrol Engines – OMT

- Bell-housings and cast alloy coupling with flexible rubber insert, pre-bored to suit 1:8 taper or SAE pump shafts and appropriate petrol engine output shaft.



| Bell Housing | Coupling               | To Suit Engine | To Suit Pump         |
|--------------|------------------------|----------------|----------------------|
| LMH150-GC    | 252835 + R-42 + 252836 | 5.5HP Honda    | GC Series 4 bolt     |
| LMH151       | ND 510                 | 5.5 HP Honda   | Grp.1, Taper, Euro   |
| LMH151       | ND 511                 | 5.5 HP Honda   | Grp.1, 12mm, Euro    |
| LMH401       | ND 610                 | 8-13 HP Honda  | Grp.1, Taper, Euro   |
| LMH403       | ND 613                 | 8-13 HP Honda  | Grp.2, Taper, Euro   |
| LB152-825A   | ND 710                 | 7-18 HP Kohler | SAE A, 3/4" parallel |
| LB152-U1P    | ND 600                 | 7-18 HP Kohler | Grp.1, Taper, Euro   |
| LB152-2      | ND 603                 | 7-18 HP Kohler | Grp.2, Taper, Euro   |



### Bell Housing Adaptor GC Pump – HYSPECS

| Bell Housing | To Suit Engine | To Suit Pump     |
|--------------|----------------|------------------|
| HSADP2       | 8-13HP Honda   | GC Series 4 bolt |

### Damping Rings for Power Packs – OMT

- Consist of two metal rings moulded into vulcanized rubber. Interposed between the bell housing and the tank cover, they diminish the noise created by the power transmission by approx. 3 - 5 dB. The rubber is mineral oil resistant with a maximum working temperature of 80°C.



| Model | Diameter<br>mm | To Suit Electric Motor Frame Size |
|-------|----------------|-----------------------------------|
| A-200 | 200            | 80 - 90                           |
| A-250 | 250            | 100 - 112                         |
| A-300 | 300            | 132                               |
| A-350 | 350            | 160 - 180                         |