

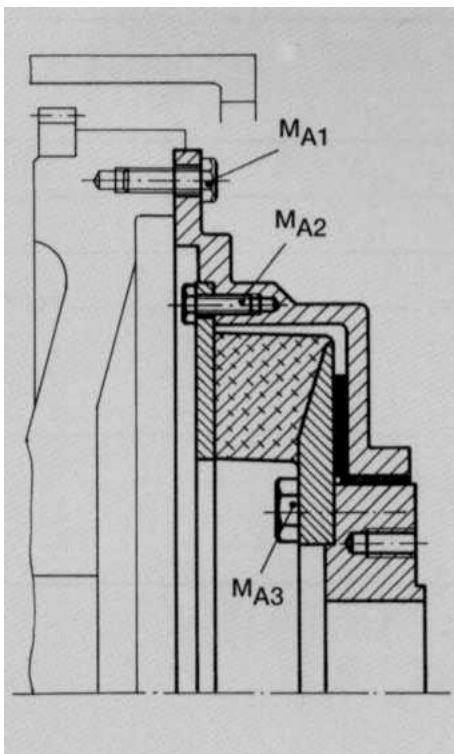
# Assembly and maintenance instructions for ARCUSAFLEX-VSK Couplings

All connecting surfaces of the coupling with fit dimensions are coated with Tectyl preservative ex works. These surfaces need to be cleaned with an adequate solvent before mounting the coupling.

All bolted connections of the coupling shall be tightened using a torque wrench and/or checked for their proper tightening torques. Strict compliance with the specified tightening torques is mandatory.

The complete coupling, when assembled, is bolted to the engine flywheel. The flange of the cardan shaft is then bolted to the cardan shaft flange of the coupling.

The inner bearing support of the coupling is maintenance-free.



Tightening torques for the bolted flange connection to the engine flywheel (bolt grade 8.8)

| SAE flywheel flange             | 6 ½       | 7 ½ | 8        | 10 | 11 ½ | 14       | 16 | 18       | 21 |
|---------------------------------|-----------|-----|----------|----|------|----------|----|----------|----|
| Metric bolts                    | M8        |     | M10      |    |      | M12      |    | M16      |    |
| Tightening torque $M_{A1}$ [Nm] | 25        |     | 50       |    |      | 85       |    | 210      |    |
| Imperial size bolts             | 5/16 - 18 |     | 3/8 - 16 |    |      | 1/2 - 13 |    | 5/8 - 11 |    |
| Tightening torque $M_{A1}$ [Nm] | 24        |     | 42       |    |      | 102      |    | 203      |    |

Tightening torques for the AC-VSK (bolt grade 8.8)

| AC-VSK size   | 15  | 25  | 35  | 45  | 50  | 55  | 70  | 85  |
|---------------|-----|-----|-----|-----|-----|-----|-----|-----|
| $M_{A2}$ [Nm] | 25  | 49  | 25  | 50  | 50  | 86  | 86  | 210 |
| Bolt size     | M8  | M10 | M8  | M10 | M10 | M12 | M12 | M16 |
| $M_{A3}$ [Nm] | 50  | 50  | 86  | 86  | 210 | 210 | 410 | 410 |
| Bolt size     | M10 | M10 | M12 | M12 | M16 | M16 | M20 | M20 |

## Safety precautions

***It is the customer's and user's responsibility to provide proper guards over rotating machinery and to observe the national and international safety rules and laws.***

***Check all bolted connections for proper fit preferably after the test run.***

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