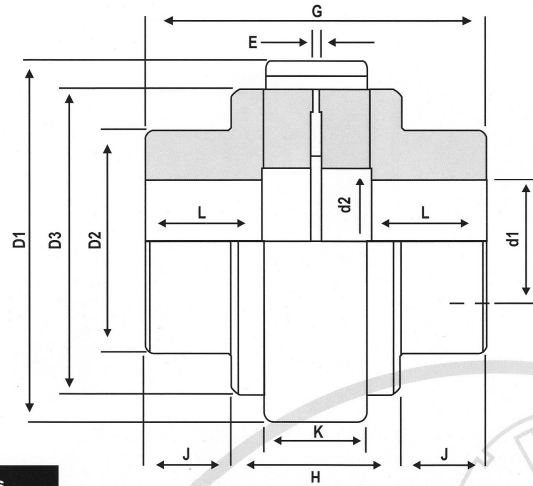


## COUPLINGS TYPE A



Technical Details & Dimensions

| Coupling Type       |                                        | A00    | A0   | A1     | A2    | A3    | A3B   | A4    | A4B   | A45   | A5    | A5B   | A55   | A6    | A7    | A8    | A9    | A10   | A11   |
|---------------------|----------------------------------------|--------|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Style STD           | Maximum KW per 1000                    | 2.55   | 6.0  | 11     | 30    | 60    | 60    | 120   | 120   | 212   | 303   | 303   | 358   | 485   | 966   | 1815  | 3023  | 4945  | 5895  |
|                     | Max. Cont. Torque Nm                   | 24.2   | 56.9 | 107    | 286   | 569   | 569   | 1139  | 1139  | 2014  | 2876  | 2876  | 3400  | 4598  | 9168  | 17225 | 28634 | 45981 | 55945 |
| Style HD            | Maximum KW per 1000                    | -      | -    | 15     | 40    | 78    | 78    | 163   | 163   | 275   | 398   | 398   | 475   | 658   | 1170  | 2205  | 3510  | 5663  | 7920  |
|                     | Max. Cont. Torque Nm                   | -      | -    | 142    | 337   | 740   | 740   | 1545  | 1545  | 2605  | 3772  | 3772  | 4500  | 6242  | 11104 | 20926 | 33311 | 53739 | 75163 |
| Technical Data      | Max. Speed - Unbal.                    | 9100   | 8200 | 7250   | 5440  | 4200  | 4200  | 3275  | 3275  | 2800  | 2600  | 2600  | 2350  | 2200  | 1900  | 1600  | 1350  | 1100  | 1100  |
|                     | Max. Speed - Bal.                      | 10 000 | 9000 | 8000   | 6500  | 4800  | 4800  | 3600  | 3600  | 3100  | 2900  | 2900  | 2600  | 2500  | 2200  | 1850  | 1600  | 1250  | 1250  |
|                     | Moment of Inertia (Kg-m <sup>2</sup> ) | -      | -    | 0.0012 | 0.005 | 0.012 | 0.020 | 0.050 | 0.075 | 0.102 | 0.155 | 0.210 | 0.275 | 0.437 | 0.825 | 2.326 | 4.95  | 12    | 16    |
|                     | Weight (Kg)                            | 0.2    | 1    | 1.8    | 3.8   | 6.2   | 8.5   | 12.5  | 16    | 19    | 26    | 31    | 36    | 47    | 75    | 137   | 218   | 350   | 410   |
| Displacement Values | Axial Tolerance                        | +0.3   | +0.3 | +0.5   | +0.5  | +0.7  | +0.7  | +0.8  | +0.8  | +1.0  | +1.0  | +1.0  | +1.0  | +1.0  | +1.0  | +1.5  | +1.5  | +2.0  | +2.0  |
|                     | Radial / Parallel                      | 0.20   | 0.30 | 0.30   | 0.50  | 0.50  | 0.50  | 0.70  | 0.70  | 0.70  | 0.70  | 0.70  | 0.80  | 0.80  | 1.00  | 1.00  | 1.00  | 1.50  | 1.50  |
|                     | Angular Tolerance                      | 2      | 2    | 2      | 2     | 2     | 2     | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1.3   | 1     | 1     | 1     | 1     | 1     |

| Coupling Type   |                        | A00  | A0   | A1   | A2    | A3   | A3B  | A4   | A4B  | A45  | A5   | A5B   | A55   | A6    | A7    | A8  | A9   | A10 | A11 |
|-----------------|------------------------|------|------|------|-------|------|------|------|------|------|------|-------|-------|-------|-------|-----|------|-----|-----|
| Dimensions (Mm) | Max. Bore d1           | 22.2 | 34.9 | 41.3 | 53.97 | 54.0 | 69.8 | 70.0 | 95.2 | 82.5 | 85.0 | 114.3 | 101.6 | 114.3 | 139.7 | 150 | 180  | 210 | 210 |
|                 | Pilot Bore             | 4    | 8    | 14   | 17    | 19   | 19   | 24   | 24   | 25   | 29   | 29    | 30    | 39    | 48    | 63  | 73   | 96  | 96  |
|                 | D1                     | 44   | 65   | 83   | 111   | 144  | 144  | 182  | 182  | 202  | 225  | 225   | 250   | 265   | 306   | 363 | 42.5 | 523 | 503 |
|                 | D2                     | 35   | 52   | 65   | 80    | 85   | 105  | 110  | 140  | 125  | 140  | 160   | 155   | 180   | 205   | 242 | 280  | 330 | 350 |
|                 | D3                     | 35   | 52   | 65   | 86    | 116  | 116  | 150  | 150  | 170  | 190  | 190   | 215   | 233   | 267   | 326 | 385  | 483 | 458 |
|                 | d2                     | 22   | 32   | 39   | 45    | 52   | 52   | 70   | 70   | 90   | 89   | 89    | 115   | 112   | 135   | 157 | 188  | 218 | 216 |
|                 | G                      | 51   | 73   | 91   | 127   | 156  | 156  | 180  | 180  | 198  | 216  | 216   | 246   | 260   | 310   | 382 | 420  | 482 | 512 |
|                 | L                      | 19   | 28   | 34   | 47    | 56   | 56   | 63   | 63   | 70   | 77   | 77    | 90    | 95    | 116   | 147 | 162  | 188 | 190 |
|                 | Standard "DBSE"        | 13   | 17   | 23   | 33    | 44   | 44   | 54   | 54   | 58   | 62   | 62    | 66    | 70    | 78    | 88  | 95   | 106 | 132 |
|                 | Dist. Between Hubs "E" | 1.5  | 1.5  | 1.5  | 2.5   | 2.5  | 2.5  | 3.5  | 3.5  | 3.5  | 3.5  | 3.5   | 3.5   | 3.5   | 4     | 5   | 5    | 6   | 6   |
|                 | H                      | -    | -    | -    | 55    | 65   | 65   | 85   | 85   | 93   | 101  | 101   | 109   | 119   | 134   | 154 | 162  | 192 | 216 |
|                 | J                      | -    | -    | -    | 36    | 45   | 45   | 47   | 47   | 52   | 57   | 57    | 68    | 70    | 88    | 114 | 129  | 145 | 148 |
|                 | K                      | 12   | 16   | 22   | 32    | 42   | 42   | 51   | 51   | 56   | 59   | 59    | 64    | 67    | 75    | 85  | 92   | 102 | 128 |

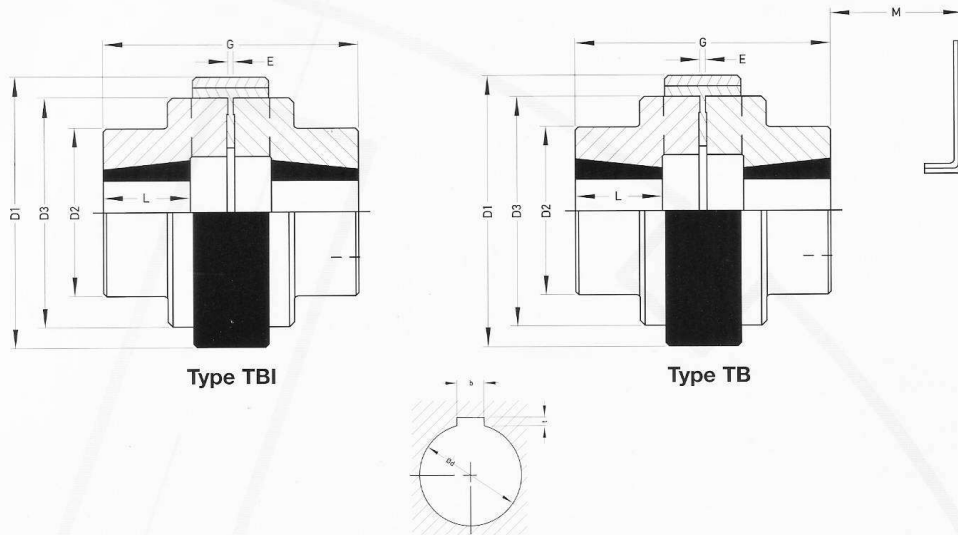
1) STD inserts will be supplied as standard unless specified. High Torque (HD) Inserts can be supplied upon request.

2) maximum speeds are based on Cast Iron Hubs. Higher speeds may be obtained using Ductile Iron or Steel Hubs - Consult Autogard.

3) Distance Between Shaft ends (DBSE) is based on the shafts mating flush with the end of the hub face. Short or longer shaft separations may be obtained by overhauling the shaft or hub.

4) Weights & Inertias are based on solid hubs.

## SAMIFLEX COUPLING FOR TAPER BUSH



### Samiflex Coupling Bored to Suit Taper Lock Bushings

| Coupling Size | Taper Bush | Bore Range |      | Dimensions |     |     |     |     |     |    |
|---------------|------------|------------|------|------------|-----|-----|-----|-----|-----|----|
|               |            | min.       | max. | L          | G   | E   | D1  | D2  | D3  | M  |
| A1 -TB/TBI    | 1108       | 9          | 28   | 27         | 77  | 1.5 | 83  | 65  | 65  | 29 |
| A2 -TB/TBI    | 1210       | 11         | 32   | 32         | 97  | 2.5 | 111 | 80  | 86  | 38 |
| A3 -TB/TBI    | 1610       | 14         | 42   | 32         | 107 | 2.5 | 144 | 85  | 116 | 38 |
| A4 -TB/TBI    | 2012       | 14         | 50   | 38         | 130 | 3.5 | 182 | 110 | 150 | 42 |
| A45 -TB/TBI   | 2517       | 16         | 60   | 50         | 158 | 3.5 | 202 | 125 | 170 | 50 |
| A5B -TB/TBI   | 3020       | 25         | 75   | 56         | 173 | 3.5 | 225 | 160 | 190 | 55 |
| A6 -TB        | 3535       | 35         | 90   | 95         | 259 | 3.5 | 265 | 180 | 233 | 67 |
| A7 -TB        | 4545       | 55         | 110  | 120        | 318 | 4   | 306 | 205 | 267 | 70 |

| Dimensions - Taper Bushes |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |
|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| d                         | 9   | 10  | 11  | 12  | 14  | 16  | 18  | 19  | 20  | 22  | 24  | 25  | 28  | 30  | 32  | 35  | 38  | 40  | 42  | 45  | 48  | 50  | 55  | 60  | 65  | 70  | 75  | 80  | 85  | 90  | 95  | 100 | 105 | 110 |   |
| b                         | 3   | 3   | 4   | 4   | 5   | 5   | 6   | 6   | 6   | 6   | 8   | 8   | 8   | 8   | 10  | 10  | 10  | 12  | 12  | 14  | 14  | 14  | 16  | 18  | 18  | 20  | 20  | 22  | 22  | 25  | 25  | 28  | 28  | 28  |   |
| t                         | 1.4 | 1.4 | 1.8 | 1.8 | 2.3 | 2.3 | 2.8 | 2.8 | 2.8 | 2.8 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.8 | 3.8 | 3.8 | 4.3 | 4.4 | 4.4 | 4.9 | 4.9 | 5.4 | 5.4 | 5.4 | 5.4 | 6.4 | 6.4 | 6.4 |   |
| 1108                      | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | * |
| 1210                      |     |     | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | * |
| 1610                      |     |     |     |     | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | * |
| 2012                      |     |     |     |     | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | * |
| 2517                      |     |     |     |     |     | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | * |
| 3020                      |     |     |     |     |     |     | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | * |
| 3535                      |     |     |     |     |     |     |     | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | * |
| 4545                      |     |     |     |     |     |     |     |     | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | *   | * |

1) Refer to bush manufacturers for recommended torque capacity of each bush.