



UNIVERSAL JOINT

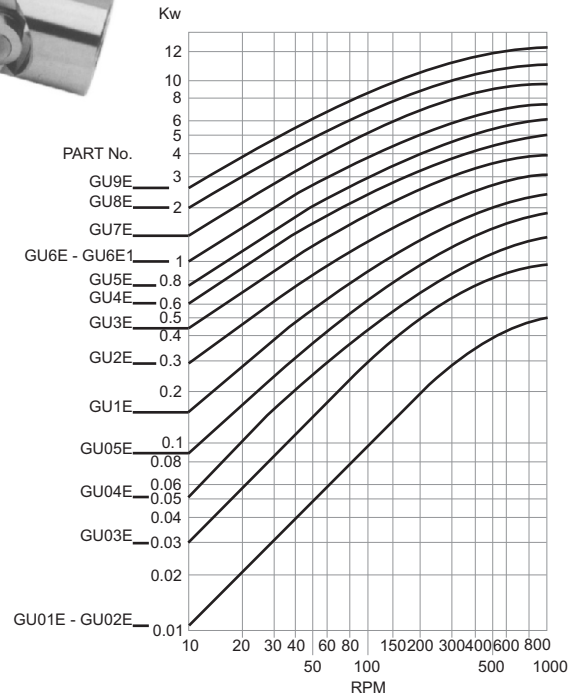
STANDARD

The Mario Ferri universal joint is a very versatile universal joint with a maximum speed of 1000RPM and a maximum angle 45° with the E type and 90° with the ED type.

| Part No. | Max Bore & Key | Max Bore No Key | Maximum Speed (RPM) |
|-----------|----------------|-----------------|---------------------|
| GU01E/ED | 6.0 | 12.0 | 1000 |
| GU02E/ED | 8.0 | 12.0 | 1000 |
| GU03E/ED | 12.0 | 18.0 | 1000 |
| GU04E/ED | 14.0 | 19.0 | 1000 |
| GU05E/ED | 16.0 | 22.0 | 1000 |
| GU1E/ED | 19.0 | 25.0 | 1000 |
| GU2E/ED | 22.0 | 28.0 | 1000 |
| GU3E/ED | 25.0 | 30.0 | 1000 |
| GU4E/ED | 25.0 | 32.0 | 1000 |
| GU5E/ED | 30.0 | 38.0 | 1000 |
| GU6E/ED | 38.0 | 42.0 | 1000 |
| GU6E1/ED1 | 38.0 | 42.0 | 1000 |
| GU7E/ED | 40.0 | 50.0 | 1000 |
| GU8E/ED | 50.0 | 55.0 | 1000 |
| GU9E/ED | 60.0 | 65.0 | 1000 |



PERFORMANCE DATA

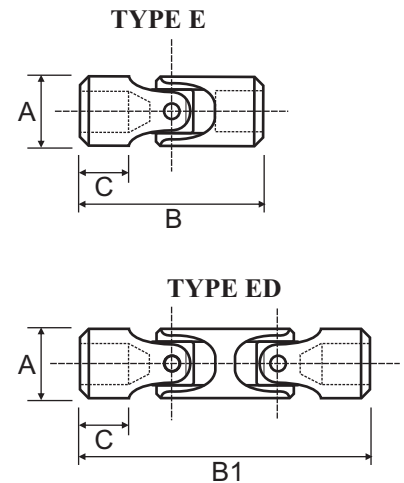


- Step 1** Determine the speed of the application.
- Step 2** Divide the Kw by the correction factor according to the chart.
- Step 3** Refer to the running curves that apply to the desired U-Joint E and ED. The required universal joint size can be determined by establishing the point of intersection of the RPM on the horizontal scale and the kW on the vertical scale. Size is stated against the curve immediately above this point.

| Working angle | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|-------------------|------|------|------|------|------|------|------|------|------|
| Correction factor | 1.25 | 1.00 | 0.80 | 0.65 | 0.55 | 0.45 | 0.38 | 0.30 | 0.25 |

DIMENSIONAL DATA

| Part No. | Bore | | | A | B | B1 | C |
|-----------|------|-----------|------------|------|-------|-------|------|
| | Std | Max & Key | Max No Key | | | | |
| GU01E/ED | 6.0 | 6.0 | 12.0 | 16.0 | 34.0 | 56.0 | 8.0 |
| GU02E/ED | 8.0 | 8.0 | 12.0 | 16.0 | 40.0 | 62.0 | 11.0 |
| GU03E/ED | 10.0 | 12.0 | 18.0 | 22.0 | 48.0 | 74.0 | 12.0 |
| GU04E/ED | 12.0 | 14.0 | 19.0 | 25.0 | 56.0 | 86.0 | 13.0 |
| GU05E/ED | 14.0 | 16.0 | 22.0 | 28.0 | 60.0 | 96.0 | 13.0 |
| GU1E/ED | 16.0 | 19.0 | 25.0 | 32.0 | 68.0 | 104.0 | 16.0 |
| GU2E/ED | 18.0 | 22.0 | 28.0 | 36.0 | 74.0 | 114.0 | 17.0 |
| GU3E/ED | 20.0 | 25.0 | 30.0 | 42.0 | 82.0 | 128.0 | 18.0 |
| GU4E/ED | 22.0 | 25.0 | 32.0 | 45.0 | 95.0 | 145.0 | 22.0 |
| GU5E/ED | 25.0 | 30.0 | 38.0 | 50.0 | 108.0 | 163.0 | 26.0 |
| GU6E/ED | 30.0 | 38.0 | 42.0 | 58.0 | 122.0 | 190.0 | 29.0 |
| GU6E1/ED1 | 32.0 | 38.0 | 42.0 | 58.0 | 130.0 | 198.0 | 33.0 |
| GU7E/ED | 35.0 | 40.0 | 50.0 | 70.0 | 140.0 | 212.0 | 35.0 |
| GU8E/ED | 40.0 | 50.0 | 55.0 | 80.0 | 160.0 | 245.0 | 40.0 |
| GU9E/ED | 50.0 | 60.0 | 65.0 | 95.0 | 190.0 | 290.0 | 50.0 |



NOTE: These universals are available with no bore (solid) unassembled and std bore assembled.

NAISMITH Engineering & Manufacturing Co. Pty. Ltd.

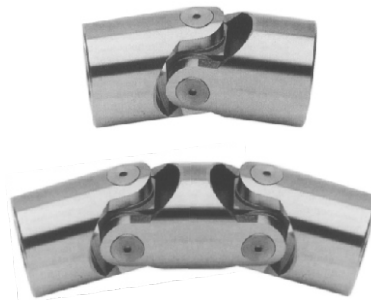


NEEDLE BEARING UNIVERSAL JOINT

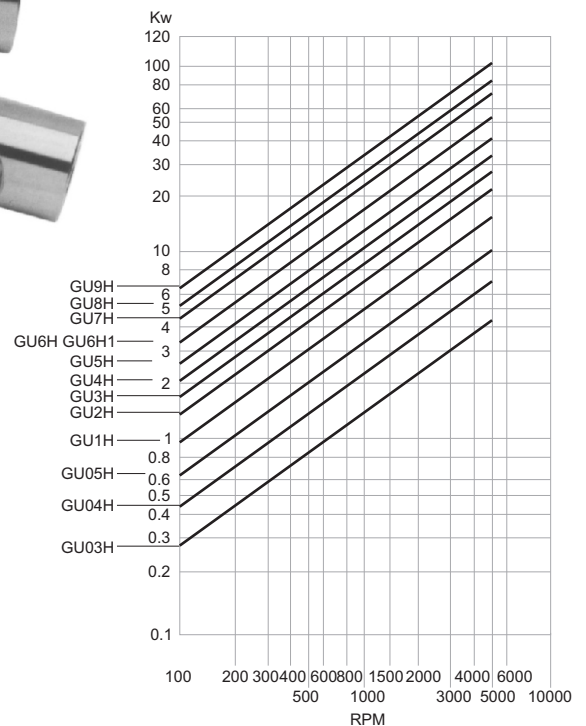
NEEDLE BEARING

The Mario Ferri universal joint is a very versatile universal joint with a maximum speed of 4000RPM and a maximum angle 45° with the H type and 90° with the HD type.

| Part No. | Max Bore & Key | Max Bore No Key | Maximum Speed (RPM) |
|-----------|----------------|-----------------|---------------------|
| GU03H/HD | 12.0 | 18.0 | 4000 |
| GU04H/HD | 14.0 | 19.0 | 4000 |
| GU05H/HD | 16.0 | 22.0 | 4000 |
| GU1H/HD | 19.0 | 25.0 | 4000 |
| GU2H/HD | 22.0 | 28.0 | 4000 |
| GU3H/HD | 25.0 | 30.0 | 4000 |
| GU4H/HD | 25.0 | 32.0 | 4000 |
| GU5H/HD | 30.0 | 38.0 | 4000 |
| GU6H/HD | 38.0 | 42.0 | 4000 |
| GU6H1/HD1 | 38.0 | 42.0 | 4000 |
| GU7H/HD | 40.0 | 50.0 | 4000 |
| GU8H/HD | 50.0 | 55.0 | 4000 |
| GU9H/HD | 60.0 | 65.0 | 4000 |



PERFORMANCE DATA

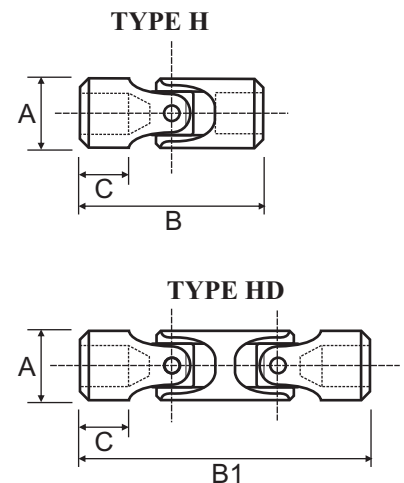


- Step 1** Determine the speed of the application.
- Step 2** Divide the Kw by the correction factor according to the chart.
- Step 3** Refer to the running curves that apply to the desired U-Joint H and HD. The required universal joint size can be determined by establishing the point of intersection of the RPM on the horizontal scale and the Kw on the vertical scale. Size is stated against the curve immediately above this point.

| Working angle | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|-------------------|------|------|------|------|------|------|------|------|------|
| Correction factor | 1.25 | 1.00 | 0.90 | 0.80 | 0.70 | 0.50 | 0.40 | 0.30 | 0.25 |

DIMENSIONAL DATA

| Part No. | Bore | | | A | B | B1 | C |
|-----------|------|-----------|------------|------|-------|-------|------|
| | Std | Max & Key | Max No Key | | | | |
| GU03H/HD | 10.0 | 12.0 | 18.0 | 22.0 | 48.0 | 74.0 | 12.0 |
| GU04H/HD | 12.0 | 14.0 | 19.0 | 25.0 | 56.0 | 86.0 | 13.0 |
| GU05H/HD | 14.0 | 16.0 | 22.0 | 28.0 | 60.0 | 96.0 | 13.0 |
| GU1H/HD | 16.0 | 19.0 | 25.0 | 32.0 | 68.0 | 104.0 | 16.0 |
| GU2H/HD | 18.0 | 22.0 | 28.0 | 36.0 | 74.0 | 114.0 | 17.0 |
| GU3H/HD | 20.0 | 25.0 | 30.0 | 42.0 | 82.0 | 128.0 | 18.0 |
| GU4H/HD | 22.0 | 25.0 | 32.0 | 45.0 | 95.0 | 145.0 | 22.0 |
| GU5H/HD | 25.0 | 30.0 | 38.0 | 50.0 | 108.0 | 163.0 | 26.0 |
| GU6H/HD | 30.0 | 38.0 | 42.0 | 58.0 | 122.0 | 190.0 | 29.0 |
| GU6H1/HD1 | 32.0 | 38.0 | 42.0 | 58.0 | 130.0 | 198.0 | 33.0 |
| GU7H/HD | 35.0 | 40.0 | 50.0 | 70.0 | 140.0 | 212.0 | 35.0 |
| GU8H/HD | 40.0 | 50.0 | 55.0 | 80.0 | 160.0 | 245.0 | 40.0 |
| GU9H/HD | 50.0 | 60.0 | 65.0 | 95.0 | 190.0 | 290.0 | 50.0 |



NOTE: These universals are available with no bore (solid) unassembled and std bore assembled.