

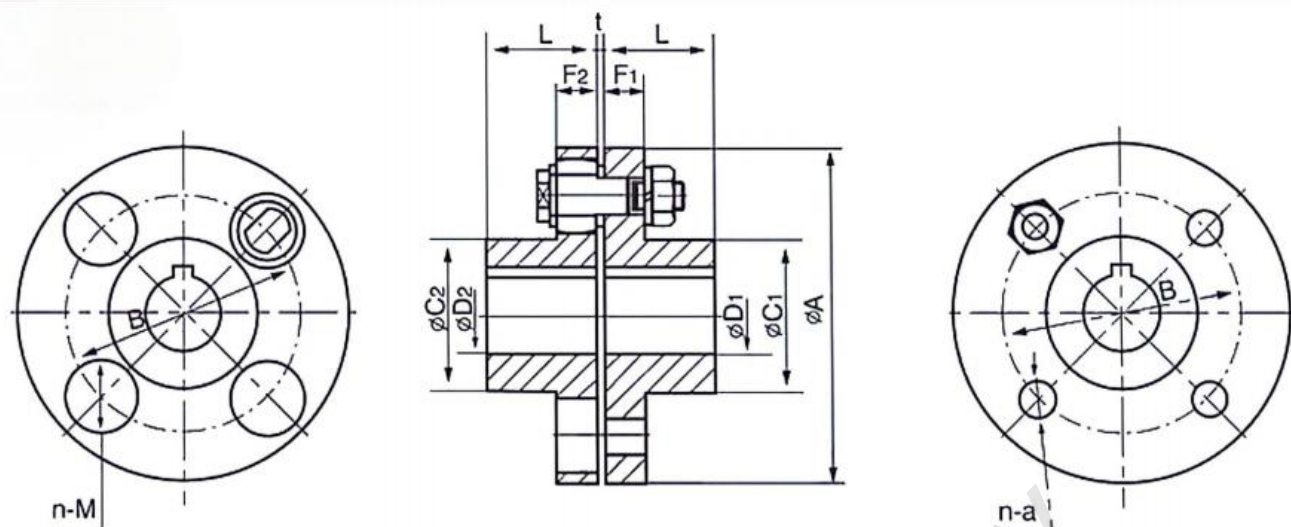


EL/ELS Type Couplings

# 杭州四海传动件有限公司 Hangzhou Ocean Industry CO. Ltd.

Tel:0086-571-88842852  
Fax:0086-571-88844378  
E-mail:oceanindustry@vip.163.com

电话:0086-571-88842852  
传真:0086-571-88844378  
邮箱:oceanindustry@vip.163.com



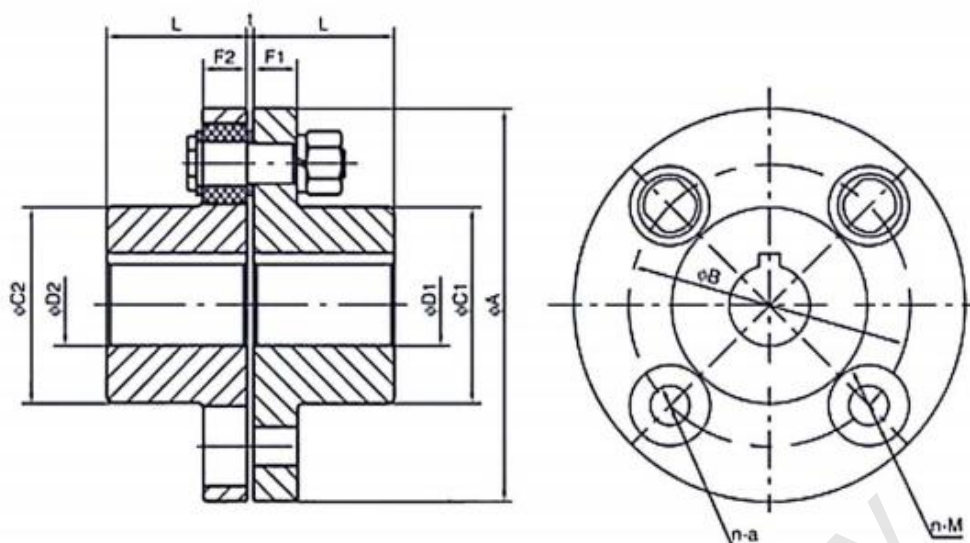
ANSI 图纸

## ANSI EL-Coupling

| Catalog | Fundamental Dimensions |        |        |       |       |       |        |      |       | Bore  |            | Max Torque<br>(In-Lb) | Max<br>Revolution<br>(r/Pm) | Number of<br>Bolts (n) | Wt Lbs |          |
|---------|------------------------|--------|--------|-------|-------|-------|--------|------|-------|-------|------------|-----------------------|-----------------------------|------------------------|--------|----------|
|         | A                      | L      | B      | a     | M     |       | C      |      | F     |       | Pilot Bore |                       |                             |                        |        | Max Bore |
|         |                        |        |        |       |       |       | C1     | C2   | F1    | F2    |            |                       |                             |                        |        |          |
| EL-35   | 39/16                  | 1 1/8  | 23/8   | 5/16  | 3/4   | 0.118 | 17/16  |      | 9/16  |       | -          | 3/4                   | 133                         | 4000                   | 4      | 2.8      |
| EL-40   | 4                      | 17/16  | 25/8   | 3/8   | 7/8   | 0.118 | 111/16 |      | 5/8   |       | -          | 1                     | 257                         | 4000                   | 4      | 4.1      |
| EL-44   | 43/8                   | 19/16  | 215/16 | 3/8   | 7/8   | 0.118 | 2      |      | 5/8   |       | -          | 11/8                  | 292                         | 4000                   | 4      | 5.4      |
| EL-50   | 5                      | 13/4   | 33/8   | 9/16  | 11/4  | 0.118 | 23/16  | 2    | 11/16 |       | -          | 11/8                  | 646                         | 4000                   | 4      | 7.4      |
| EL-55   | 51/2                   | 2      | 4      | 9/16  | 11/4  | 0.118 | 213/16 | 21/2 | 11/16 |       | -          | 13/8                  | 1151                        | 4000                   | 6      | 10.0     |
| EL-63   | 63/8                   | 23/16  | 41/2   | 9/16  | 11/4  | 0.118 | 31/8   |      | 11/16 |       | -          | 13/4                  | 1770                        | 4000                   | 8      | 13.8     |
| EL-71   | 71/8                   | 21/2   | 53/16  | 9/16  | 11/4  | 0.118 | 31/2   |      | 11/16 |       | -          | 2                     | 2036                        | 3500                   | 8      | 18.5     |
| EL-79   | 77/8                   | 213/16 | 511/16 | 3/4   | 15/8  | 0.157 | 4      |      | 7/8   |       | 11/16      | 23/16                 | 3894                        | 3200                   | 8      | 28.7     |
| EL-88   | 87/8                   | 31/B   | 65/8   | 3/4   | 15/8  | 0.157 | 43/8   |      | 7/8   |       | 11/16      | 21/2                  | 4514                        | 2850                   | 8      | 37.3     |
| EL-100  | 10                     | 31/2   | 71/16  | 1     | 2     | 0.157 | 5      |      | 11/8  |       | 3/4        | 213/16                | 7524                        | 2550                   | 8      | 54.8     |
| EL-110  | 11                     | 4      | 718    | 11/8  | 21/4  | 0.157 | 51/2   |      | 11/8  | 19/16 | 13/16      | 31/8                  | 13275                       | 2300                   | 8      | 77.1     |
| EL-124  | 123/8                  | 43/8   | 93/8   | 11/8  | 21/4  | 0.157 | 61/4   |      | 11/8  | 19/16 | 11/4       | 31/2                  | 19470                       | 2050                   | 10     | 104      |
| EL-140  | 14                     | 5      | 101/4  | 17/16 | 27/8  | 0.197 | 71/16  |      | 17/16 | 23/16 | 11/4       | 4                     | 30975                       | 1800                   | 8      | 163      |
| EL-158  | 153/4                  | 5      | 117/8  | 17/16 | 27/8  | 0.197 | 77/8   |      | 17/16 | 23/16 | 2          | 45/16                 | 44250                       | 1600                   | 10     | 206      |
| EL-180  | 173/4                  | 51/2   | 14     | 17/16 | 27/8  | 0.197 | 87/8   |      | 17/16 | 23/16 | 23/8       | 5                     | 62835                       | 1400                   | 12     | 272      |
| EL-220  | 22                     | 61/4   | 173/4  | 17/16 | 27/8  | 0.197 | 10     |      | 17/16 | 23/16 | 31/8       | 51/2                  | 88500                       | 1150                   | 14     | 426      |
| EL-250  | 247/8                  | 71/16  | 207/8  | 17/16 | 27/8  | 0.197 | 11     |      | 17/16 | 23/16 | 31/2       | 63/8                  | 141600                      | 1000                   | 18     | 559      |
| EL-280  | 28                     | 313/16 | 235/8  | 17/16 | 27/8  | 0.197 | 123/8  |      | 23/16 |       | 45/16      | 71/16                 | 221250                      | 900                    | 24     | 876      |
| EL-281  | 28                     | 97/8   | 227/8  | 13/4  | 37/16 | 0.276 | 14     |      | 31/8  |       | 411/16     | 77/8                  | 300900                      | 900                    | 20     | 1212     |
| EL-315  | 311/2                  | 107/16 | 263/8  | 13/4  | 37/16 | 0.276 | 143/4  |      | 31/8  |       | 51/8       | 81/4                  | 398250                      | 800                    | 22     | 1536     |

## ANSI ESL-Coupling

| Catalog | Fundamental Dimensions |        |        |       |      |       |         |      |       |       | Bore  |        | Max Torque<br>(In-Lb) | Max<br>Revolution<br>(rpm) | Bolts (n) | Wt Lbs |
|---------|------------------------|--------|--------|-------|------|-------|---------|------|-------|-------|-------|--------|-----------------------|----------------------------|-----------|--------|
|         | A                      | L      | B      | a     | M    | t     | C       |      | F     |       | Pilot | Max    |                       |                            |           |        |
|         |                        |        |        |       |      |       | C1      | C2   | F1    | F2    |       |        |                       |                            |           |        |
| ELS-44  | 43/8                   | 19/16  | 215/16 | 3/8   | 7/8  | 0.118 | 2       |      | 5/8   |       | 1/2   | 13/16  | 292                   | 6000                       | 4         | 5.7    |
| ELS-50  | 5                      | 13/4   | 33/8   | 9/16  | 11/4 | 0.118 | 23/16   | 2    | 11/16 |       | 1/2   | 13/8   | 646                   | 6000                       | 4         | 7.8    |
| ELS-55  | 51/2                   | 2      | 4      | 9/16  | 11/4 | 0.118 | 213/167 | 21/2 | 11/16 |       | 1/2   | 11/2   | 1151                  | 6000                       | 6         | 10.4   |
| ELS-63  | 63/8                   | 23/16  | 41/2   | 9/16  | 11/4 | 0.118 | 31/8    |      | 11/16 |       | 9/16  | 17/8   | 1770                  | 6000                       | 8         | 14.4   |
| ELS-71  | 71/8                   | 21/2   | 53/16  | 9/16  | 11/4 | 0.118 | 31/2    |      | 11/16 |       | 9/16  | 21/8   | 2036                  | 5250                       | 8         | 19.0   |
| ELS-79  | 77/8                   | 213/16 | 511/16 | 3/4   | 15/8 | 0.157 | 4       |      | 7/8   |       | 11/16 | 23/8   | 3894                  | 4800                       | 8         | 29.7   |
| ELS-88  | 87/8                   | 31/8   | 65/8   | 3/4   | 15/8 | 0.157 | 43/8    |      | 7/8   |       | 11/16 | 23/4   | 4514                  | 4300                       | 8         | 37.9   |
| ELS-100 | 10                     | 31/2   | 71/16  | 1     | 2    | 0.157 | 5       |      | 11/8  |       | 3/4   | 215/16 | 7523                  | 3800                       | 8         | 57.3   |
| ELS-110 | 11                     | 4      | 77/8   | 11/8  | 21/4 | 0.157 | 51/2    |      | 11/8  | 19/16 | 13/16 | 35/16  | 13275                 | 3450                       | 8         | 80.2   |
| ELS-124 | 123/8                  | 43/8   | 93/8   | 11/8  | 21/4 | 0.157 | 61/4    |      | 11/8  | 19/16 | 11/4  | 4      | 19470                 | 3050                       | 10        | 106    |
| ELS-140 | 14                     | 5      | 101/4  | 17/16 | 27/8 | 0.197 | 71/16   |      | 17/16 | 23/16 | 11/4  | 45/16  | 30975                 | 2700                       | 8         | 168    |
| ELS-158 | 153/4                  | 5      | 117/8  | 17/16 | 27/8 | 0.197 | 77/8    |      | 17/16 | 23/16 | 2     | 5      | 44250                 | 2400                       | 10        | 210    |
| ELS-180 | 173/4                  | 51/2   | 14     | 17/16 | 27/8 | 0.197 | 87/8    |      | 17/16 | 23/16 | 23/8  | 51/2   | 62835                 | 2150                       | 12        | 278    |
| ELS-220 | 22                     | 61/4   | 173/4  | 17/16 | 27/8 | 0.197 | 10      |      | 17/16 | 23/16 | 31/8  | 57/8   | 88500                 | 1700                       | 14        | 445    |
| ELS-250 | 247/8                  | 71/16  | 207/8  | 17/16 | 27/8 | 0.197 | 11      |      | 17/16 | 23/16 | 31/2  | 65/8   | 141600                | 1500                       | 18        | 585    |



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## DIN EL-Coupling

| Catalog | Fundamental Dimensions |        |        |       |       |       |        |      | Bore  |       | Max Torque<br>(In-Lb) | Max<br>Revolution<br>(r/Pm) | Number of<br>Bolts (n) | Wt Lbs |            |          |
|---------|------------------------|--------|--------|-------|-------|-------|--------|------|-------|-------|-----------------------|-----------------------------|------------------------|--------|------------|----------|
|         | A                      | L      | B      | a     | M     |       | C      |      | F     |       |                       |                             |                        |        | Pilot Bore | Max Bore |
|         |                        |        |        |       |       |       | C1     | C2   | F1    | F2    |                       |                             |                        |        |            |          |
| EL-35   | 39/16                  | 1 1/8  | 23/8   | 5/16  | 3/4   | 0.118 | 17/16  |      | 9/16  |       | -                     | 3/4                         | 133                    | 4000   | 4          | 2.8      |
| EL-40   | 4                      | 17/16  | 25/8   | 3/8   | 7/8   | 0.118 | 111/16 |      | 5/8   |       | -                     | 1                           | 257                    | 4000   | 4          | 4.1      |
| EL-44   | 43/8                   | 19/16  | 215/16 | 3/8   | 7/8   | 0.118 | 2      |      | 5/8   |       | -                     | 11/8                        | 292                    | 4000   | 4          | 5.4      |
| EL-50   | 5                      | 13/4   | 33/8   | 9/16  | 11/4  | 0.118 | 23/16  | 2    | 11/16 |       | -                     | 11/8                        | 646                    | 4000   | 4          | 7.4      |
| EL-55   | 51/2                   | 2      | 4      | 9/16  | 11/4  | 0.118 | 213/16 | 21/2 | 11/16 |       | -                     | 13/8                        | 1151                   | 4000   | 6          | 10.0     |
| EL-63   | 63/8                   | 23/16  | 41/2   | 9/16  | 11/4  | 0.118 | 31/8   |      | 11/16 |       | -                     | 13/4                        | 1770                   | 4000   | 8          | 13.8     |
| EL-71   | 71/8                   | 21/2   | 53/16  | 9/16  | 11/4  | 0.118 | 31/2   |      | 11/16 |       | -                     | 2                           | 2036                   | 3500   | 8          | 18.5     |
| EL-79   | 77/8                   | 213/16 | 511/16 | 3/4   | 15/8  | 0.157 | 4      |      | 7/8   |       | 11/16                 | 23/16                       | 3894                   | 3200   | 8          | 28.7     |
| EL-88   | 87/8                   | 31/B   | 65/8   | 3/4   | 15/8  | 0.157 | 43/8   |      | 7/8   |       | 11/16                 | 21/2                        | 4514                   | 2850   | 8          | 37.3     |
| EL-100  | 10                     | 31/2   | 71/16  | 1     | 2     | 0.157 | 5      |      | 11/8  |       | 3/4                   | 213/16                      | 7524                   | 2550   | 8          | 54.8     |
| EL-110  | 11                     | 4      | 718    | 11/8  | 21/4  | 0.157 | 51/2   |      | 11/8  | 19/16 | 13/16                 | 31/8                        | 13275                  | 2300   | 8          | 77.1     |
| EL-124  | 123/8                  | 43/8   | 93/8   | 11/8  | 21/4  | 0.157 | 61/4   |      | 11/8  | 19/16 | 11/4                  | 31/2                        | 19470                  | 2050   | 10         | 104      |
| EL-140  | 14                     | 5      | 101/4  | 17/16 | 27/8  | 0.197 | 71/16  |      | 17/16 | 23/16 | 11/4                  | 4                           | 30975                  | 1800   | 8          | 163      |
| EL-158  | 153/4                  | 5      | 117/8  | 17/16 | 27/8  | 0.197 | 77/8   |      | 17/16 | 23/16 | 2                     | 45/16                       | 44250                  | 1600   | 10         | 206      |
| EL-180  | 173/4                  | 51/2   | 14     | 17/16 | 27/8  | 0.197 | 87/8   |      | 17/16 | 23/16 | 23/8                  | 5                           | 62835                  | 1400   | 12         | 272      |
| EL-220  | 22                     | 61/4   | 173/4  | 17/16 | 27/8  | 0.197 | 10     |      | 17/16 | 23/16 | 31/8                  | 51/2                        | 88500                  | 1150   | 14         | 426      |
| EL-250  | 247/8                  | 71/16  | 207/8  | 17/16 | 27/8  | 0.197 | 11     |      | 17/16 | 23/16 | 31/2                  | 63/8                        | 141600                 | 1000   | 18         | 559      |
| EL-280  | 28                     | 313/16 | 235/8  | 17/16 | 27/8  | 0.197 | 123/8  |      | 23/16 |       | 45/16                 | 71/16                       | 221250                 | 900    | 24         | 876      |
| EL-281  | 28                     | 97/8   | 227/8  | 13/4  | 37/16 | 0.276 | 14     |      | 31/8  |       | 411/16                | 77/8                        | 300900                 | 900    | 20         | 1212     |
| EL-315  | 311/2                  | 107/16 | 263/8  | 13/4  | 37/16 | 0.276 | 143/4  |      | 31/8  |       | 51/8                  | 81/4                        | 398250                 | 800    | 22         | 1536     |

## DIN ELS-Coupling

| Catalog | fundamental dimensions |     |     |    |    |      |     |   |      |    | Bore  |     | Bolts |     | Max Torque (Nm) | Max Revolution (rpm) | Moment of inertia (kg.cm <sup>2</sup> ) | G (kg) |
|---------|------------------------|-----|-----|----|----|------|-----|---|------|----|-------|-----|-------|-----|-----------------|----------------------|-----------------------------------------|--------|
|         | A                      | B   | C1  | C2 | M  | a    | L   | t | F1   | F2 | Pilot | Max | Sizes | Qty |                 |                      |                                         |        |
| ELS-112 | 112                    | 75  | 50  | 50 | 23 | 10   | 40  | 3 | 16   |    | 13    | 30  | M10   | 4   | 33              | 6000                 | 41                                      | 2.78   |
| ELS-125 | 125                    | 85  | 56  | 50 | 32 | 14   | 45  | 3 | 18   |    | 13    | 30  | M12   | 4   | 73              | 6000                 | 69                                      | 3.76   |
| ELS-140 | 140                    | 100 | 71  | 63 | 32 | 14   | 50  | 3 | 18   |    | 13    | 38  | M12   | 6   | 130             | 6000                 | 110                                     | 5.06   |
| ELS-160 | 160                    | 115 | 80  | 80 | 32 | 14   | 56  | 3 | 18   |    | 14    | 48  | M12   | 8   | 200             | 6000                 | 200                                     | 6.98   |
| ELS-180 | 180                    | 132 | 90  | 90 | 32 | 14   | 63  | 3 | 18   |    | 14    | 55  | M12   | 8   | 230             | 5250                 | 320                                     | 9.23   |
| ELS-200 | 200                    | 145 | 100 |    | 41 | 20   | 71  | 4 | 22.4 |    | 18    | 65  | M20   | 8   | 440             | 4800                 | 6401                                    | 14.4   |
| ELS-224 | 224                    | 170 | 112 |    | 41 | 20   | 80  | 4 | 22.4 |    | 18    | 70  | M20   | 8   | 510             | 4300                 | 1001                                    | 18.4   |
| ELS-250 | 250                    | 180 | 125 |    | 51 | 25   | 90  | 4 | 28   |    | 20    | 75  | M24   | 8   | 850             | 3800                 | 900                                     | 27.8   |
| ELS-280 | 280                    | 200 | 140 |    | 57 | 28   | 100 | 4 | 28   | 40 | 30    | 85  | M24   | 8   | 1500            | 3450                 | 3400                                    | 38.9   |
| ELS-315 | 315                    | 236 | 160 |    | 57 | 28   | 112 | 4 | 28   | 40 | 32    | 100 | M24   | 10  | 2200            | 3050                 | 5600                                    | 51.2   |
| ELS-355 | 355                    | 260 | 180 |    | 72 | 35.5 | 125 | 5 | 35.5 | 56 | 32    | 110 | M30   | 8   | 3500            | 2700                 | 12000                                   | 81.4   |
| ELS-400 | 400                    | 300 | 200 |    | 72 | 35.5 | 125 | 5 | 35.5 | 56 | 50    | 125 | M30   | 10  | 5000            | 2400                 | 19000                                   | 102    |
| ELS-450 | 450                    | 355 | 224 |    | 72 | 35.5 | 140 | 5 | 35.5 | 56 | 60    | 140 | M30   | 12  | 7100            | 2150                 | 31000                                   | 135    |
| ELS-560 | 560                    | 450 | 250 |    | 72 | 35.5 | 160 | 5 | 35.5 | 56 | 80    | 150 | M30   | 14  | 10000           | 1700                 | 72000                                   | 216    |
| ELS-630 | 630                    | 530 | 280 |    | 72 | 35.5 | 180 | 5 | 35.5 | 56 | 90    | 170 | M30   | 18  | 16000           | 1500                 | 120000                                  | 284    |