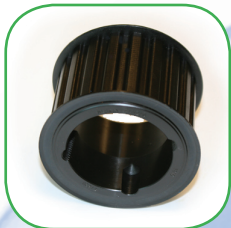


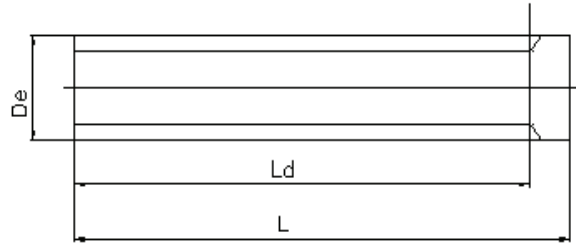
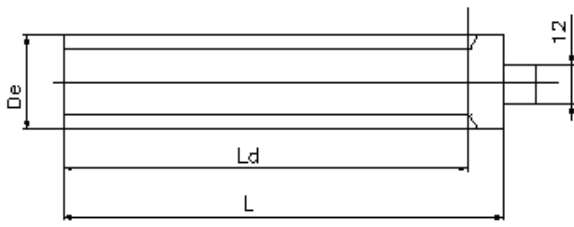
**MEDWAY®**  
Power Transmission



# Timing Belt Pulleys

**MEDWAY (UK) LIMITED**

M.P.T. HOUSE BRUNSWICK ROAD COBBS WOOD INDUSTRIAL ESTATE ASHFORD KENT TN23 1EL U.K.  
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**MXL (MATERIAL: AL)**

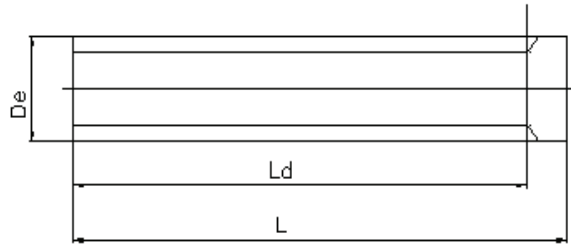
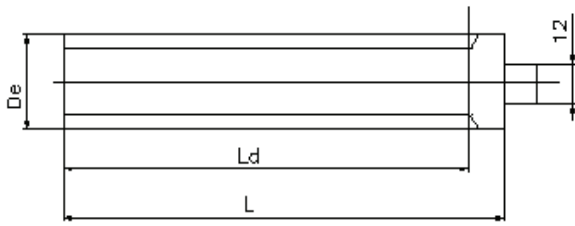
| CODE   | Z   | De    | Ld  | L   |
|--------|-----|-------|-----|-----|
| 10MXL  | 10  | 5.97  | 50  | 75  |
| 11MXL  | 11  | 6.60  | 50  | 75  |
| 12MXL  | 12  | 7.26  | 50  | 75  |
| 13MXL  | 13  | 7.90  | 50  | 75  |
| 14MXL  | 14  | 8.56  | 50  | 75  |
| 15MXL  | 15  | 9.19  | 50  | 75  |
| 16MXL  | 16  | 9.83  | 50  | 75  |
| 17MXL  | 17  | 10.49 | 50  | 75  |
| 18MXL  | 18  | 11.12 | 50  | 75  |
| 19MXL  | 19  | 11.78 | 90  | 120 |
| 20MXL  | 20  | 12.42 | 90  | 120 |
| 21MXL  | 21  | 13.08 | 90  | 120 |
| 22MXL  | 22  | 13.72 | 125 | 140 |
| 23MXL  | 23  | 14.38 | 125 | 140 |
| 24MXL  | 24  | 15.01 | 125 | 140 |
| 25MXL  | 25  | 15.67 | 125 | 140 |
| 26MXL  | 26  | 16.31 | 125 | 140 |
| 27MXL  | 27  | 16.94 | 125 | 140 |
| 28MXL  | 28  | 16.70 | 125 | 140 |
| 29MXL  | 29  | 18.24 | 125 | 140 |
| 30MXL  | 30  | 18.90 | 125 | 140 |
| 32MXL  | 32  | 20.19 | 125 | 140 |
| 34MXL  | 34  | 21.49 | 125 | 140 |
| 35MXL  | 35  | 22.12 | 132 | 140 |
| 36MXL  | 36  | 22.78 | 132 | 140 |
| 38MXL  | 38  | 24.08 | 132 | 140 |
| 40MXL  | 40  | 25.37 | 132 | 140 |
| 42MXL  | 42  | 26.67 | 140 | 140 |
| 44MXL  | 44  | 27.94 | 140 | 140 |
| 45MXL  | 45  | 28.60 | 140 | 140 |
| 48MXL  | 48  | 30.53 | 140 | 140 |
| 50MXL  | 50  | 32.33 | 140 | 140 |
| 60MXL  | 60  | 38.3  | 160 | 160 |
| 64MXL  | 64  | 40.89 | 160 | 160 |
| 65MXL  | 65  | 41.53 | 160 | 160 |
| 70MXL  | 70  | 44.78 | 160 | 160 |
| 72MXL  | 72  | 46.05 | 160 | 160 |
| 75MXL  | 75  | 48.01 | 160 | 160 |
| 90MXL  | 90  | 57.71 | 160 | 160 |
| 110MXL | 110 | 70.64 | 160 | 160 |

**XL (MATERIAL: AL)**

| CODE | Z  | De     | Ld  | L   |
|------|----|--------|-----|-----|
| 10XL | 10 | 15.66  | 125 | 140 |
| 11XL | 11 | 17.28  | 125 | 140 |
| 12XL | 12 | 18.90  | 125 | 140 |
| 13XL | 13 | 20.51  | 125 | 140 |
| 14XL | 14 | 22.13  | 132 | 140 |
| 15XL | 15 | 23.75  | 132 | 140 |
| 16XL | 16 | 25.36  | 140 | 140 |
| 17XL | 17 | 26.98  | 140 | 140 |
| 18XL | 18 | 28.6   | 140 | 140 |
| 19XL | 19 | 30.22  | 140 | 140 |
| 20XL | 20 | 31.83  | 140 | 140 |
| 21XL | 21 | 33.45  | 160 | 160 |
| 22XL | 22 | 35.07  | 160 | 160 |
| 23XL | 23 | 36.6   | 160 | 160 |
| 24XL | 24 | 38.30  | 160 | 160 |
| 25XL | 25 | 39.93  | 160 | 160 |
| 26XL | 26 | 41.53  | 160 | 160 |
| 27XL | 27 | 43.15  | 160 | 160 |
| 28XL | 28 | 44.77  | 160 | 160 |
| 29XL | 29 | 46.39  | 160 | 160 |
| 30XL | 30 | 48.00  | 160 | 160 |
| 32XL | 32 | 51.24  | 160 | 160 |
| 34XL | 34 | 52.76  | 160 | 160 |
| 35XL | 35 | 54.47  | 160 | 160 |
| 36XL | 36 | 56.09  | 160 | 160 |
| 38XL | 38 | 57.70  | 160 | 160 |
| 40XL | 40 | 60.94  | 160 | 160 |
| 42XL | 42 | 62.56  | 160 | 160 |
| 44XL | 44 | 64.17  | 160 | 160 |
| 45XL | 45 | 65.79  | 160 | 160 |
| 48XL | 48 | 67.41  | 160 | 160 |
| 50XL | 50 | 69.02  | 160 | 160 |
| 60XL | 60 | 70.64  | 160 | 160 |
| 64XL | 64 | 77.11  | 160 | 160 |
| 65XL | 65 | 90.04  | 160 | 160 |
| 70XL | 70 | 96.51  | 160 | 160 |
| 72XL | 72 | 115.92 | 160 | 160 |

**L (MATERIAL: AL)**

| CODE | Z  | De    | Ld  | L   |
|------|----|-------|-----|-----|
| 10L  | 10 | 29.56 | 140 | 140 |
| 11L  | 11 | 32.59 | 140 | 140 |
| 12L  | 12 | 35.62 | 160 | 160 |
| 13L  | 13 | 38.65 | 160 | 160 |
| 14L  | 14 | 41.68 | 160 | 160 |
| 15L  | 15 | 44.72 | 160 | 160 |
| 16L  | 16 | 47.75 | 160 | 160 |
| 17L  | 17 | 50.78 | 160 | 160 |
| 18L  | 18 | 53.81 | 160 | 160 |
| 19L  | 19 | 56.84 | 160 | 160 |
| 20L  | 20 | 59.88 | 160 | 160 |
| 21L  | 21 | 62.91 | 160 | 160 |
| 22L  | 22 | 65.94 | 160 | 160 |
| 23L  | 23 | 68.97 | 160 | 160 |
| 24L  | 24 | 72.00 | 160 | 160 |
| 27L  | 27 | 81.10 | 160 | 160 |
| 30L  | 30 | 90.20 | 160 | 160 |



**T2.5 (MATERIAL: AL)**

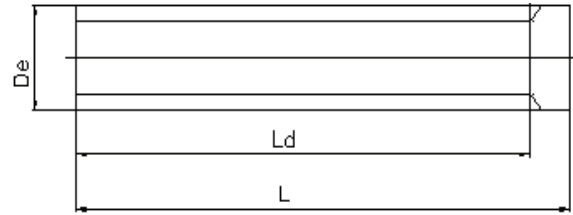
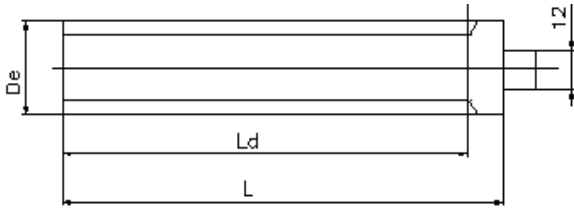
| CODE     | Z   | De    | Ld  | L   |
|----------|-----|-------|-----|-----|
| 10-T2.5  | 10  | 7.42  | 50  | 75  |
| 12-T2.5  | 12  | 9     | 50  | 75  |
| 13-T2.5  | 13  | 9.8   | 50  | 75  |
| 14-T2.5  | 14  | 10.6  | 50  | 75  |
| 15-T2.5  | 15  | 11.4  | 50  | 75  |
| 16-T2.5  | 16  | 12.2  | 50  | 75  |
| 17-T2.5  | 17  | 13    | 50  | 75  |
| 18-T2.5  | 18  | 13.8  | 50  | 75  |
| 19-T2.5  | 19  | 14.6  | 90  | 120 |
| 20-T2.5  | 20  | 15.4  | 90  | 120 |
| 21-T2.5  | 21  | 16.2  | 90  | 120 |
| 22-T2.5  | 22  | 17    | 125 | 140 |
| 24-T2.5  | 24  | 18.55 | 125 | 140 |
| 26-T2.5  | 26  | 20.15 | 125 | 140 |
| 27-T2.5  | 27  | 20.95 | 125 | 140 |
| 28-T2.5  | 28  | 21.75 | 125 | 140 |
| 29-T2.5  | 29  | 22.55 | 125 | 140 |
| 30-T2.5  | 30  | 23.35 | 125 | 140 |
| 32-T2.5  | 32  | 24.95 | 125 | 140 |
| 34-T2.5  | 34  | 26.55 | 125 | 140 |
| 35-T2.5  | 35  | 27.35 | 132 | 140 |
| 36-T2.5  | 36  | 28.1  | 132 | 140 |
| 38-T2.5  | 38  | 29.7  | 132 | 140 |
| 40-T2.5  | 40  | 31.3  | 132 | 140 |
| 42-T2.5  | 42  | 32.9  | 140 | 140 |
| 44-T2.5  | 44  | 34.5  | 140 | 140 |
| 45-T2.5  | 45  | 35.3  | 140 | 140 |
| 48-T2.5  | 48  | 37.7  | 140 | 140 |
| 50-T2.5  | 50  | 39.29 | 160 | 160 |
| 60-T2.5  | 60  | 47.25 | 160 | 160 |
| 65-T2.5  | 65  | 51.2  | 160 | 160 |
| 70-T2.5  | 70  | 55.2  | 160 | 160 |
| 72-T2.5  | 72  | 56.8  | 160 | 160 |
| 90-T2.5  | 90  | 71.12 | 160 | 160 |
| 100-T2.5 | 100 | 79.08 | 160 | 160 |

**T5 (MATERIAL: AL)**

| CODE   | Z   | De     | Ld  | L   |
|--------|-----|--------|-----|-----|
| 10-T5  | 10  | 15.05  | 125 | 140 |
| 11-T5  | 11  | 16.65  | 125 | 140 |
| 12-T5  | 12  | 18.25  | 125 | 140 |
| 13-T5  | 13  | 19.85  | 125 | 140 |
| 14-T5  | 14  | 21.45  | 132 | 140 |
| 15-T5  | 15  | 23.05  | 132 | 140 |
| 16-T5  | 16  | 24.6   | 140 | 140 |
| 17-T5  | 17  | 26.2   | 140 | 140 |
| 18-T5  | 18  | 27.8   | 140 | 140 |
| 19-T5  | 19  | 29.4   | 140 | 160 |
| 20-T5  | 20  | 31     | 160 | 160 |
| 21-T5  | 21  | 32.7   | 160 | 160 |
| 22-T5  | 22  | 34.15  | 160 | 160 |
| 23-T5  | 23  | 35.85  | 160 | 160 |
| 24-T5  | 24  | 37.4   | 160 | 160 |
| 25-T5  | 25  | 38.95  | 160 | 160 |
| 26-T5  | 26  | 40.6   | 160 | 160 |
| 27-T5  | 27  | 42.2   | 160 | 160 |
| 28-T5  | 28  | 43.75  | 160 | 160 |
| 29-T5  | 29  | 45.35  | 160 | 160 |
| 30-T5  | 30  | 46.95  | 160 | 160 |
| 32-T5  | 32  | 50.1   | 160 | 160 |
| 34-T5  | 34  | 53.25  | 160 | 160 |
| 35-T5  | 35  | 54.85  | 160 | 160 |
| 36-T5  | 36  | 56.45  | 160 | 160 |
| 37-T5  | 37  | 58.06  | 160 | 160 |
| 38-T5  | 38  | 59.65  | 160 | 160 |
| 40-T5  | 40  | 62.85  | 160 | 160 |
| 42-T5  | 42  | 66     | 160 | 160 |
| 44-T5  | 44  | 69.2   | 160 | 160 |
| 45-T5  | 45  | 70.8   | 160 | 160 |
| 46-T5  | 46  | 72.4   | 160 | 160 |
| 48-T5  | 48  | 75.55  | 160 | 160 |
| 50-T5  | 50  | 78.75  | 160 | 160 |
| 60-T5  | 60  | 94.65  | 160 | 160 |
| 72-T5  | 72  | 113.75 | 160 | 160 |
| 80-T5  | 80  | 126.48 | 160 | 160 |
| 90-T5  | 90  | 142.4  | 160 | 160 |
| 100-T5 | 100 | 158.31 | 160 | 160 |

**T10 (MATERIAL: AL)**

| CODE   | Z  | De     | Ld  | L   |
|--------|----|--------|-----|-----|
| 10-T10 | 10 | 29.98  | 140 | 140 |
| 11-T10 | 11 | 33.16  | 140 | 140 |
| 12-T10 | 12 | 36.35  | 140 | 140 |
| 13-T10 | 13 | 39.5   | 140 | 140 |
| 14-T10 | 14 | 42.7   | 160 | 160 |
| 15-T10 | 15 | 45.9   | 160 | 160 |
| 16-T10 | 16 | 49.1   | 160 | 160 |
| 17-T10 | 17 | 52.25  | 160 | 160 |
| 18-T10 | 18 | 55.45  | 160 | 160 |
| 19-T10 | 19 | 58.65  | 160 | 160 |
| 20-T10 | 20 | 61.8   | 160 | 160 |
| 21-T10 | 21 | 65     | 160 | 160 |
| 22-T10 | 22 | 68.2   | 160 | 160 |
| 23-T10 | 23 | 71.35  | 160 | 160 |
| 24-T10 | 24 | 74.55  | 160 | 160 |
| 26-T10 | 26 | 80.9   | 160 | 160 |
| 28-T10 | 28 | 87.25  | 160 | 160 |
| 30-T10 | 30 | 93.65  | 160 | 160 |
| 32-T10 | 32 | 100    | 160 | 160 |
| 34-T10 | 34 | 106.4  | 160 | 160 |
| 36-T10 | 36 | 112.75 | 160 | 160 |
| 38-T10 | 38 | 119.1  | 160 | 160 |
| 40-T10 | 40 | 125.45 | 160 | 160 |
| 45-T10 | 45 | 141.4  | 160 | 160 |
| 48-T10 | 48 | 150.95 | 160 | 160 |
| 60-T10 | 60 | 189.1  | 160 | 160 |
| 72-T10 | 72 | 227.29 | 160 | 160 |

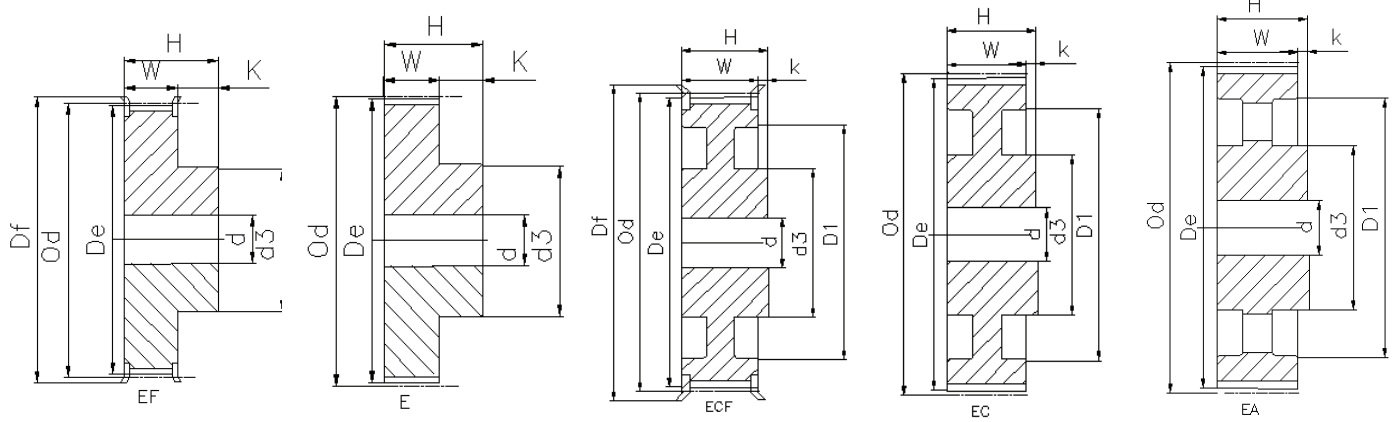


**HTD 3M (MATERIAL: AL)**

| CODE  | Z  | Dp    | De   | Ld  | L   |
|-------|----|-------|------|-----|-----|
| 9-3M  | 9  | 8.59  | 7.83 | 75  | 100 |
| 10-3M | 10 | 9.55  | 8.79 | 75  | 100 |
| 11-3M | 11 | 10.5  | 9.74 | 75  | 100 |
| 12-3M | 12 | 11.46 | 10.7 | 100 | 125 |
| 13-3M | 13 | 12.41 | 11.7 | 100 | 125 |
| 14-3M | 14 | 13.37 | 12.6 | 100 | 125 |
| 15-3M | 15 | 14.32 | 13.6 | 100 | 125 |
| 16-3M | 16 | 15.28 | 14.5 | 125 | 155 |
| 17-3M | 17 | 16.23 | 15.5 | 125 | 155 |
| 18-3M | 18 | 17.19 | 16.4 | 125 | 155 |
| 19-3M | 19 | 18.14 | 17.4 | 125 | 155 |
| 20-3M | 20 | 19.1  | 18.3 | 150 | 165 |
| 21-3M | 21 | 20.05 | 19.3 | 150 | 165 |
| 22-3M | 22 | 21.01 | 20.3 | 150 | 165 |
| 23-3M | 23 | 21.96 | 21.2 | 150 | 165 |
| 24-3M | 24 | 22.92 | 22.2 | 150 | 165 |
| 25-3M | 25 | 23.87 | 23.1 | 150 | 165 |
| 26-3M | 26 | 24.83 | 24.1 | 150 | 165 |
| 27-3M | 27 | 25.78 | 25   | 150 | 165 |
| 28-3M | 28 | 26.74 | 26   | 150 | 165 |
| 29-3M | 29 | 27.69 | 26.9 | 150 | 165 |
| 30-3M | 30 | 28.65 | 27.9 | 175 | 183 |
| 31-3M | 31 | 29.6  | 28.8 | 175 | 183 |
| 32-3M | 32 | 30.56 | 29.8 | 175 | 183 |
| 33-3M | 33 | 31.54 | 30.8 | 175 | 183 |
| 34-3M | 34 | 32.47 | 31.7 | 175 | 183 |
| 35-3M | 35 | 33.42 | 32.7 | 175 | 183 |
| 36-3M | 36 | 34.38 | 33.6 | 200 | 200 |
| 37-3M | 37 | 35.33 | 34.6 | 200 | 200 |
| 38-3M | 38 | 36.29 | 35.5 | 200 | 200 |
| 39-3M | 39 | 37.24 | 36.5 | 200 | 200 |
| 40-3M | 40 | 38.2  | 37.4 | 200 | 200 |
| 42-3M | 42 | 40.11 | 39.3 | 200 | 200 |
| 44-3M | 44 | 42.02 | 41.3 | 200 | 200 |
| 45-3M | 45 | 42.97 | 42.2 | 200 | 200 |
| 48-3M | 48 | 45.84 | 45.1 | 200 | 200 |
| 50-3M | 50 | 47.75 | 47   | 200 | 200 |
| 52-3M | 52 | 49.66 | 48.9 | 200 | 200 |
| 54-3M | 54 | 51.57 | 50.8 | 200 | 200 |
| 56-3M | 56 | 53.48 | 52.7 | 200 | 200 |
| 60-3M | 60 | 57.3  | 56.5 | 200 | 200 |
| 62-3M | 62 | 59.21 | 58.5 | 200 | 200 |
| 64-3M | 64 | 61.12 | 60.4 | 200 | 200 |
| 66-3M | 66 | 63.03 | 62.3 | 200 | 200 |
| 68-3M | 68 | 64.94 | 64.2 | 200 | 200 |
| 70-3M | 70 | 66.85 | 66.1 | 200 | 200 |
| 72-3M | 72 | 68.75 | 68   | 200 | 200 |

**HTD 5M (MATERIAL: AL)**

| CODE  | Z  | Dp     | De     | Ld  | L   |
|-------|----|--------|--------|-----|-----|
| 12-5M | 12 | 19.1   | 17.96  | 150 | 165 |
| 13-5M | 13 | 20.69  | 19.55  | 150 | 165 |
| 14-5M | 14 | 22.28  | 21.14  | 175 | 183 |
| 15-5M | 15 | 23.87  | 22.73  | 175 | 183 |
| 16-5M | 16 | 25.46  | 24.32  | 175 | 183 |
| 17-5M | 17 | 27.06  | 25.92  | 175 | 183 |
| 18-5M | 18 | 28.65  | 27.51  | 200 | 200 |
| 19-5M | 19 | 30.24  | 29.1   | 200 | 200 |
| 20-5M | 20 | 31.83  | 30.69  | 200 | 200 |
| 21-5M | 21 | 33.42  | 32.28  | 200 | 200 |
| 22-5M | 22 | 35.01  | 33.87  | 200 | 200 |
| 23-5M | 23 | 36.61  | 35.47  | 200 | 200 |
| 24-5M | 24 | 38.2   | 37.06  | 200 | 200 |
| 25-5M | 25 | 39.79  | 38.65  | 200 | 200 |
| 26-5M | 26 | 41.38  | 40.24  | 200 | 200 |
| 27-5M | 27 | 42.97  | 41.83  | 200 | 200 |
| 28-5M | 28 | 44.56  | 43.32  | 200 | 200 |
| 29-5M | 29 | 46.15  | 45.01  | 200 | 200 |
| 30-5M | 30 | 47.75  | 46.6   | 200 | 200 |
| 31-5M | 31 | 49.34  | 48.2   | 200 | 200 |
| 32-5M | 32 | 50.93  | 49.79  | 200 | 200 |
| 33-5M | 33 | 52.52  | 51.38  | 200 | 200 |
| 34-5M | 34 | 54.11  | 52.97  | 200 | 200 |
| 35-5M | 35 | 55.7   | 54.56  | 200 | 200 |
| 36-5M | 36 | 57.3   | 56.16  | 200 | 200 |
| 38-5M | 38 | 60.48  | 59.34  | 200 | 200 |
| 40-5M | 40 | 63.66  | 62.52  | 200 | 200 |
| 42-5M | 42 | 66.85  | 65.71  | 200 | 200 |
| 44-5M | 44 | 70.03  | 68.89  | 200 | 200 |
| 45-5M | 45 | 71.62  | 70.48  | 200 | 200 |
| 46-5M | 46 | 73.21  | 72.07  | 200 | 200 |
| 48-5M | 48 | 76.39  | 75.25  | 200 | 200 |
| 50-5M | 50 | 79.58  | 78.43  | 200 | 200 |
| 54-5M | 54 | 85.94  | 84.8   | 200 | 200 |
| 60-5M | 60 | 95.49  | 94.35  | 200 | 200 |
| 62-5M | 62 | 98.68  | 97.54  | 200 | 200 |
| 72-5M | 72 | 114.59 | 113.45 | 200 | 200 |



**XL 037 PITCH 1/5"(5.08mm)**

| CODE       | Z  | Type | MAT.     | Od    | De    | Df | d3  | D1 | W    | H  | d  |
|------------|----|------|----------|-------|-------|----|-----|----|------|----|----|
| 10 XL 037F | 10 | EF   | AL/STEEL | 16.17 | 15.66 | 23 | 9.5 |    | 14.3 | 20 |    |
| 11 XL 037F | 11 | EF   | AL/STEEL | 17.79 | 17.28 | 23 | 9.5 |    | 14.3 | 20 |    |
| 12 XL 037F | 12 | EF   | AL/STEEL | 19.40 | 18.90 | 25 | 10  |    | 14.3 | 20 |    |
| 13 XL 037F | 13 | EF   | AL/STEEL | 21.02 | 20.51 | 25 | 10  |    | 14.3 | 20 |    |
| 14 XL 037F | 14 | EF   | AL/STEEL | 22.64 | 22.13 | 28 | 15  |    | 14.3 | 20 |    |
| 15 XL 037F | 15 | EF   | AL/STEEL | 24.26 | 23.75 | 28 | 15  |    | 14.3 | 20 |    |
| 16 XL 037F | 16 | EF   | AL/STEEL | 25.87 | 25.36 | 32 | 16  |    | 14.3 | 20 |    |
| 17 XL 037F | 17 | EF   | AL/STEEL | 27.49 | 26.98 | 32 | 20  |    | 14.3 | 20 |    |
| 18 XL 037F | 18 | EF   | AL/STEEL | 29.11 | 28.60 | 35 | 20  |    | 14.3 | 20 |    |
| 19 XL 037F | 19 | EF   | AL/STEEL | 30.72 | 30.22 | 35 | 20  |    | 14.3 | 22 |    |
| 20 XL 037F | 20 | EF   | AL/STEEL | 33.34 | 31.83 | 38 | 24  |    | 14.3 | 22 |    |
| 21 XL 037F | 21 | EF   | AL/STEEL | 33.96 | 33.45 | 38 | 24  |    | 14.3 | 22 |    |
| 22 XL 037F | 22 | EF   | AL/STEEL | 35.57 | 35.07 | 42 | 25  |    | 14.3 | 22 |    |
| 24 XL 037F | 24 | EF   | AL/STEEL | 38.81 | 38.30 | 44 | 30  |    | 14.3 | 22 | 8  |
| 26 XL 037F | 26 | EF   | AL/STEEL | 42.04 | 41.53 | 48 | 30  |    | 14.3 | 22 | 8  |
| 27 XL 037F | 27 | EF   | AL/STEEL | 43.66 | 43.15 | 48 | 34  |    | 14.3 | 22 | 8  |
| 28 XL 037F | 28 | EF   | AL/STEEL | 45.28 | 44.77 | 51 | 34  |    | 14.3 | 22 | 8  |
| 29 XL 037F | 29 | EF   | AL/STEEL | 46.89 | 46.39 | 51 | 34  |    | 14.3 | 22 | 8  |
| 30 XL 037F | 30 | EF   | AL/STEEL | 48.51 | 48.00 | 54 | 38  |    | 14.3 | 22 | 8  |
| 32 XL 037F | 32 | EF   | AL/STEEL | 51.74 | 51.24 | 57 | 38  |    | 14.3 | 25 | 8  |
| 34 XL 037  | 34 | E    | AL/STEEL | 54.98 | 54.47 |    | 45  |    | 14.3 | 25 | 8  |
| 35 XL 037  | 35 | E    | AL/STEEL | 56.60 | 56.09 |    | 45  |    | 14.3 | 25 | 8  |
| 36 XL 037  | 36 | E    | AL/STEEL | 58.21 | 57.70 |    | 45  |    | 14.3 | 25 | 8  |
| 38 XL 037  | 38 | E    | AL/STEEL | 61.45 | 60.94 |    | 45  |    | 14.3 | 25 | 8  |
| 39 XL 037  | 39 | E    | AL/STEEL | 63.06 | 62.56 |    | 45  |    | 14.3 | 25 | 8  |
| 40 XL 037  | 40 | E    | AL/STEEL | 64.68 | 64.17 |    | 45  |    | 14.3 | 25 | 8  |
| 41 XL 037  | 41 | E    | AL/STEEL | 66.30 | 65.79 |    | 45  |    | 14.3 | 25 | 8  |
| 42 XL 037  | 42 | E    | AL/STEEL | 67.91 | 67.41 |    | 45  |    | 14.3 | 25 | 8  |
| 43 XL 037  | 43 | E    | AL/STEEL | 69.53 | 69.02 |    | 45  |    | 14.3 | 25 | 8  |
| 44 XL 037  | 44 | E    | AL/STEEL | 71.15 | 70.64 |    | 45  |    | 14.3 | 25 | 8  |
| 45 XL 037  | 45 | EC   | AL/STEEL | 72.77 | 72.26 |    | 45  | 61 | 14.3 | 25 | 10 |
| 46 XL 037  | 46 | EC   | AL/STEEL | 74.38 | 73.87 |    | 45  | 61 | 14.3 | 25 | 10 |
| 47 XL 037  | 47 | EC   | AL/STEEL | 76.00 | 75.49 |    | 45  | 61 | 14.3 | 25 | 10 |
| 48 XL 037  | 48 | EC   | AL/STEEL | 77.62 | 77.11 |    | 45  | 61 | 14.3 | 25 | 10 |
| 49 XL 037  | 49 | EC   | AL/STEEL | 79.23 | 78.73 |    | 45  | 61 | 14.3 | 25 | 10 |
| 52 XL 037  | 52 | EC   | AL/STEEL | 84.08 | 83.58 |    | 45  | 67 | 14.3 | 25 | 10 |
| 56 XL 037  | 56 | EC   | AL/STEEL | 90.55 | 90.04 |    | 45  | 80 | 14.3 | 25 | 10 |
| 57 XL 037  | 57 | EC   | AL/STEEL | 92.17 | 91.66 |    | 45  | 80 | 14.3 | 25 | 10 |
| 58 XL 037  | 58 | EC   | AL/STEEL | 93.79 | 93.28 |    | 45  | 80 | 14.3 | 25 | 10 |
| 59 XL 037  | 59 | EC   | AL/STEEL | 95.40 | 94.90 |    | 45  | 80 | 14.3 | 25 | 10 |

**XL 037 PITCH 1/5"(5.08mm)**

| CODE      | Z  | Type | MAT.     | Od     | De     | Df | d3 | D1  | W    | H  | d  |
|-----------|----|------|----------|--------|--------|----|----|-----|------|----|----|
| 60 XL 037 | 60 | EC   | AL/STEEL | 97.02  | 96.51  |    | 45 | 80  | 14.3 | 25 | 10 |
| 68 XL 037 | 68 | EC   | AL/STEEL | 109.96 | 109.45 |    | 45 | 100 | 14.3 | 25 | 10 |
| 69 XL 037 | 69 | EC   | AL/STEEL | 111.57 | 111.07 |    | 45 | 100 | 14.3 | 25 | 10 |
| 70 XL 037 | 70 | EC   | AL/STEEL | 113.19 | 112.68 |    | 45 | 100 | 14.3 | 25 | 10 |
| 71 XL 037 | 71 | EC   | AL/STEEL | 114.81 | 114.30 |    | 45 | 100 | 14.3 | 25 | 10 |
| 72 XL 037 | 72 | EC   | AL/STEEL | 116.42 | 115.92 |    | 45 | 100 | 14.3 | 25 | 10 |

**L 050 PITCH 3/8"(9.525mm)**

| CODE      | Z   | Type | MAT.      | Od     | De     | Df  | d3 | D1  | W  | H  | d  |
|-----------|-----|------|-----------|--------|--------|-----|----|-----|----|----|----|
| 10 L 050F | 10  | EF   | STEEL     | 30.32  | 29.56  | 37  | 20 |     | 19 | 28 | 8  |
| 11 L 050F | 11  | EF   | STEEL     | 33.35  | 32.59  | 37  | 22 |     | 19 | 30 | 8  |
| 12 L 050F | 12  | EF   | STEEL     | 36.38  | 35.62  | 43  | 24 |     | 19 | 30 | 8  |
| 13 L 050F | 13  | EF   | STEEL     | 39.41  | 38.65  | 44  | 28 |     | 19 | 30 | 8  |
| 14 L 050F | 14  | EF   | STEEL     | 42.45  | 41.68  | 48  | 28 |     | 19 | 30 | 8  |
| 15 L 050F | 15  | EF   | STEEL     | 45.48  | 44.72  | 51  | 34 |     | 19 | 30 | 8  |
| 16 L 050F | 16  | EF   | STEEL     | 48.51  | 47.75  | 54  | 36 |     | 19 | 32 | 8  |
| 17 L 050F | 17  | EF   | STEEL     | 51.54  | 50.78  | 57  | 36 |     | 19 | 32 | 10 |
| 18 L 050F | 18  | EF   | STEEL     | 54.57  | 53.81  | 60  | 40 |     | 19 | 32 | 10 |
| 19 L 050F | 19  | EF   | STEEL     | 57.61  | 56.84  | 64  | 40 |     | 19 | 32 | 10 |
| 20 L 050F | 20  | EF   | STEEL     | 60.64  | 59.88  | 66  | 40 |     | 19 | 32 | 10 |
| 21 L 050F | 21  | EF   | STEEL     | 63.67  | 62.91  | 70  | 45 |     | 19 | 32 | 10 |
| 22 L 050F | 22  | EF   | STEEL     | 66.70  | 65.94  | 75  | 45 |     | 19 | 32 | 10 |
| 23 L 050F | 23  | EF   | STEEL     | 69.73  | 68.97  | 79  | 55 |     | 19 | 32 | 10 |
| 24 L 050F | 24  | EF   | STEEL     | 72.77  | 72.00  | 79  | 55 |     | 19 | 32 | 10 |
| 25 L 050F | 25  | EF   | STEEL     | 75.80  | 75.04  | 83  | 58 |     | 19 | 32 | 10 |
| 26 L 050F | 26  | EF   | STEEL     | 78.83  | 78.07  | 87  | 58 |     | 19 | 32 | 11 |
| 27 L 050F | 27  | EF   | STEEL     | 81.86  | 81.10  | 87  | 58 |     | 19 | 32 | 11 |
| 28 L 050F | 28  | EF   | STEEL     | 84.89  | 84.13  | 91  | 58 |     | 19 | 32 | 11 |
| 29 L 050F | 29  | EF   | STEEL     | 87.93  | 87.16  | 93  | 58 |     | 19 | 32 | 11 |
| 30 L 050F | 30  | EF   | STEEL     | 90.96  | 90.20  | 97  | 70 |     | 19 | 32 | 11 |
| 32 L 050F | 32  | EF   | STEEL     | 97.02  | 96.26  | 102 | 70 |     | 19 | 32 | 11 |
| 33 L 050F | 33  | EF   | STEEL     | 100.05 | 99.29  | 106 | 70 |     | 19 | 32 | 11 |
| 34 L 050F | 34  | EF   | STEEL     | 103.08 | 102.32 | 112 | 70 |     | 19 | 32 | 11 |
| 35 L 050F | 35  | EF   | STEEL     | 106.12 | 105.35 | 115 | 70 |     | 19 | 32 | 11 |
| 36 L 050F | 36  | EF   | STEEL     | 109.15 | 108.39 | 128 | 70 |     | 19 | 32 | 11 |
| 40 L 050F | 40  | ECF  | STEEL     | 121.28 | 120.51 | 131 | 70 | 100 | 19 | 32 | 11 |
| 41 L 050F | 41  | ECF  | STEEL     | 124.31 | 123.55 | 135 | 70 | 103 | 19 | 32 | 11 |
| 42 L 050F | 42  | ECF  | STEEL     | 127.34 | 126.58 | 142 | 70 | 106 | 19 | 32 | 11 |
| 44 L 050F | 44  | ECF  | STEEL     | 133.40 | 132.64 | 142 | 70 | 112 | 19 | 32 | 11 |
| 45 L 050F | 45  | ECF  | STEEL     | 136.44 | 135.67 | 150 | 70 | 115 | 19 | 32 | 11 |
| 47 L 050F | 47  | ECF  | STEEL     | 142.50 | 141.74 | 150 | 70 | 121 | 19 | 32 | 11 |
| 48 L 050F | 48  | ECF  | STEEL     | 145.53 | 144.77 | 150 | 70 | 124 | 19 | 32 | 11 |
| 49 L 050  | 49  | EC   | CAST IRON | 148.56 | 147.80 |     | 70 | 127 | 19 | 32 | 14 |
| 50 L 050  | 50  | EC   | CAST IRON | 151.60 | 150.83 |     | 70 | 130 | 19 | 32 | 14 |
| 52 L 050  | 52  | EC   | CAST IRON | 157.66 | 156.90 |     | 70 | 136 | 19 | 32 | 14 |
| 56 L 050  | 56  | EC   | CAST IRON | 169.79 | 169.02 |     | 70 | 149 | 19 | 32 | 14 |
| 57 L 050  | 57  | EC   | CAST IRON | 172.82 | 172.06 |     | 70 | 152 | 19 | 32 | 14 |
| 60 L 050  | 60  | EC   | CAST IRON | 181.91 | 181.15 |     | 75 | 160 | 19 | 42 | 14 |
| 65 L 050  | 65  | EA   | CAST IRON | 197.07 | 196.31 |     | 75 | 176 | 19 | 42 | 14 |
| 66 L 050  | 66  | EA   | CAST IRON | 200.11 | 199.34 |     | 75 | 179 | 19 | 42 | 14 |
| 72 L 050  | 72  | EA   | CAST IRON | 218.30 | 217.53 |     | 75 | 197 | 19 | 42 | 14 |
| 84 L 050  | 84  | EA   | CAST IRON | 254.68 | 253.92 |     | 75 | 233 | 19 | 42 | 14 |
| 90 L 050  | 90  | EA   | CAST IRON | 272.87 | 272.11 |     | 75 | 252 | 19 | 42 | 14 |
| 96 L 050  | 96  | EA   | CAST IRON | 291.06 | 290.30 |     | 75 | 269 | 19 | 42 | 14 |
| 120 L 050 | 120 | EA   | CAST IRON | 363.83 | 363.07 |     | 75 | 342 | 19 | 42 | 14 |

**L 075 PITCH 3/8"(9.525mm)**

| CODE      | Z   | Type | MAT.      | Od     | De     | Df  | d3 | D1    | W    | H  | d  |
|-----------|-----|------|-----------|--------|--------|-----|----|-------|------|----|----|
| 10 L 075  | 10  | EF   | STEEL     | 30.32  | 29.56  | 37  | 20 |       | 25.4 | 38 | 8  |
| 11 L 075  | 11  | EF   | STEEL     | 33.35  | 32.59  | 37  | 22 |       | 25.4 | 38 | 8  |
| 12 L 075  | 12  | EF   | STEEL     | 36.38  | 35.62  | 43  | 24 |       | 25.4 | 38 | 8  |
| 13 L 075  | 13  | EF   | STEEL     | 39.41  | 38.65  | 44  | 28 |       | 25.4 | 38 | 8  |
| 14 L 075  | 14  | EF   | STEEL     | 42.45  | 41.68  | 48  | 28 |       | 25.4 | 38 | 11 |
| 15 L 075  | 15  | EF   | STEEL     | 45.48  | 44.72  | 51  | 34 |       | 25.4 | 38 | 11 |
| 16 L 075  | 16  | EF   | STEEL     | 48.51  | 47.75  | 54  | 36 |       | 25.4 | 38 | 11 |
| 17 L 075  | 17  | EF   | STEEL     | 51.54  | 50.78  | 57  | 36 |       | 25.4 | 38 | 11 |
| 18 L 075  | 18  | EF   | STEEL     | 54.57  | 53.81  | 60  | 40 |       | 25.4 | 38 | 11 |
| 19 L 075  | 19  | EF   | STEEL     | 57.61  | 56.84  | 64  | 40 |       | 25.4 | 38 | 11 |
| 20 L 075  | 20  | EF   | STEEL     | 60.64  | 59.88  | 66  | 40 |       | 25.4 | 38 | 11 |
| 21 L 075  | 21  | EF   | STEEL     | 63.67  | 62.91  | 70  | 45 |       | 25.4 | 38 | 11 |
| 22 L 075  | 22  | EF   | STEEL     | 66.70  | 65.94  | 75  | 45 |       | 25.4 | 38 | 11 |
| 23 L 075  | 23  | EF   | STEEL     | 69.73  | 68.97  | 79  | 55 |       | 25.4 | 38 | 11 |
| 24 L 075  | 24  | EF   | STEEL     | 72.77  | 72.00  | 79  | 55 |       | 25.4 | 38 | 11 |
| 25 L 075  | 25  | EF   | STEEL     | 75.80  | 75.04  | 83  | 58 |       | 25.4 | 38 | 11 |
| 26 L 075  | 26  | EF   | STEEL     | 78.83  | 78.07  | 87  | 58 |       | 25.4 | 38 | 11 |
| 27 L 075  | 27  | EF   | STEEL     | 81.86  | 81.10  | 87  | 58 |       | 25.4 | 38 | 11 |
| 28 L 075  | 28  | EF   | STEEL     | 84.89  | 84.13  | 91  | 58 |       | 25.4 | 38 | 11 |
| 29 L 075  | 29  | EF   | STEEL     | 87.93  | 87.16  | 93  | 58 |       | 25.4 | 38 | 11 |
| 30 L 075  | 30  | EF   | STEEL     | 90.96  | 90.20  | 97  | 70 |       | 25.4 | 38 | 11 |
| 32 L 075  | 32  | EF   | STEEL     | 97.02  | 96.26  | 102 | 70 |       | 25.4 | 38 | 11 |
| 33 L 075  | 33  | EF   | STEEL     | 100.05 | 99.29  | 106 | 70 |       | 25.4 | 38 | 11 |
| 34 L 075  | 34  | EF   | STEEL     | 103.08 | 102.32 | 112 | 70 |       | 25.4 | 38 | 11 |
| 35 L 075  | 35  | EF   | STEEL     | 106.12 | 105.35 | 115 | 70 |       | 25.4 | 38 | 11 |
| 36 L 075  | 36  | EF   | STEEL     | 109.15 | 108.39 | 128 | 70 |       | 25.4 | 38 | 11 |
| 40 L 075  | 40  | ECF  | STEEL     | 121.28 | 120.51 | 131 | 70 | 100   | 25.4 | 38 | 11 |
| 41 L 075  | 41  | ECF  | STEEL     | 124.31 | 123.55 | 135 | 70 | 103   | 25.4 | 38 | 11 |
| 42 L 075  | 42  | ECF  | STEEL     | 127.34 | 126.58 | 142 | 70 | 106   | 25.4 | 38 | 11 |
| 44 L 075  | 44  | ECF  | STEEL     | 133.40 | 132.64 | 142 | 70 | 112   | 25.4 | 38 | 11 |
| 45 L 075  | 45  | ECF  | STEEL     | 136.44 | 135.67 | 150 | 70 | 115   | 25.4 | 38 | 11 |
| 47 L 075  | 47  | ECF  | STEEL     | 142.50 | 141.74 | 150 | 70 | 121   | 25.4 | 38 | 11 |
| 48 L 075  | 48  | ECF  | STEEL     | 145.53 | 144.77 |     | 70 | 124   | 25.4 | 38 | 11 |
| 49 L 075  | 49  | EC   | CAST IRON | 148.56 | 147.80 |     | 70 | 127   | 25.4 | 38 | 14 |
| 50 L 075  | 50  | EC   | CAST IRON | 151.60 | 150.83 |     | 70 | 130   | 25.4 | 38 | 14 |
| 52 L 075  | 52  | EC   | CAST IRON | 157.66 | 156.90 |     | 70 | 136   | 25.4 | 38 | 14 |
| 56 L 075  | 56  | EC   | CAST IRON | 169.79 | 169.02 |     | 70 | 149   | 25.4 | 38 | 14 |
| 57 L 075  | 57  | EC   | CAST IRON | 172.82 | 172.06 |     | 70 | 152   | 25.4 | 38 | 14 |
| 60 L 075  | 60  | EC   | CAST IRON | 181.91 | 181.15 |     | 75 | 160   | 25.4 | 45 | 14 |
| 65 L 075  | 65  | EA   | CAST IRON | 197.07 | 196.31 |     | 75 | 176   | 25.4 | 45 | 14 |
| 66 L 075  | 66  | EA   | CAST IRON | 200.11 | 199.34 |     | 75 | 179   | 25.4 | 45 | 14 |
| 72 L 075  | 72  | EA   | CAST IRON | 218.3  | 217.53 |     | 75 | 25.47 | 25.4 | 45 | 14 |
| 84 L 075  | 84  | EA   | CAST IRON | 254.68 | 253.92 |     | 75 | 233   | 25.4 | 45 | 14 |
| 90 L 075  | 90  | EA   | CAST IRON | 272.87 | 272.11 |     | 75 | 252   | 25.4 | 45 | 14 |
| 96 L 075  | 96  | EA   | CAST IRON | 291.06 | 290.30 |     | 75 | 269   | 25.4 | 45 | 14 |
| 120 L 075 | 120 | EA   | CAST IRON | 363.83 | 363.07 |     | 75 | 342   | 25.4 | 45 | 14 |

**L 100 PITCH 3/8"(9.525mm)**

| CODE     | Z  | Type | MAT.  | Od    | De    | Df | d3 | D1 | W    | H  | d  |
|----------|----|------|-------|-------|-------|----|----|----|------|----|----|
| 10 L 100 | 10 | EF   | STEEL | 30.32 | 29.56 | 37 | 20 |    | 31.8 | 45 | 8  |
| 11 L 100 | 11 | EF   | STEEL | 33.35 | 32.59 | 37 | 22 |    | 31.8 | 45 | 8  |
| 12 L 100 | 12 | EF   | STEEL | 36.45 | 35.62 | 43 | 24 |    | 31.8 | 45 | 8  |
| 13 L 100 | 13 | EF   | STEEL | 39.41 | 38.65 | 44 | 28 |    | 31.8 | 45 | 8  |
| 14 L 100 | 14 | EF   | STEEL | 42.45 | 41.68 | 48 | 28 |    | 31.8 | 45 | 11 |
| 15 L 100 | 15 | EF   | STEEL | 45.48 | 44.72 | 51 | 34 |    | 31.8 | 45 | 11 |
| 16 L 100 | 16 | EF   | STEEL | 48.51 | 47.75 | 54 | 36 |    | 31.8 | 45 | 11 |

**L 100 PITCH 3/8"(9.525mm)**

| CODE      | Z   | Type | MAT.      | Od     | De     | Df  | d3 | D1  | W    | H  | d  |
|-----------|-----|------|-----------|--------|--------|-----|----|-----|------|----|----|
| 17 L 100  | 17  | EF   | STEEL     | 51.54  | 50.78  | 57  | 36 |     | 31.8 | 45 | 11 |
| 18 L 100  | 18  | EF   | STEEL     | 54.57  | 53.81  | 60  | 40 |     | 31.8 | 45 | 11 |
| 19 L 100  | 19  | EF   | STEEL     | 57.61  | 56.84  | 64  | 40 |     | 31.8 | 45 | 11 |
| 20 L 100  | 20  | EF   | STEEL     | 60.64  | 59.88  | 66  | 40 |     | 31.8 | 45 | 11 |
| 21 L 100  | 21  | EF   | STEEL     | 63.67  | 62.91  | 70  | 45 |     | 31.8 | 45 | 11 |
| 22 L 100  | 22  | EF   | STEEL     | 66.70  | 65.94  | 75  | 45 |     | 31.8 | 45 | 11 |
| 23 L 100  | 23  | EF   | STEEL     | 69.73  | 68.97  | 79  | 55 |     | 31.8 | 45 | 11 |
| 24 L 100  | 24  | EF   | STEEL     | 72.77  | 72.00  | 79  | 55 |     | 31.8 | 45 | 11 |
| 25 L 100  | 25  | EF   | STEEL     | 75.80  | 75.04  | 83  | 58 |     | 31.8 | 45 | 11 |
| 26 L 100  | 26  | EF   | STEEL     | 78.83  | 78.07  | 87  | 58 |     | 31.8 | 45 | 11 |
| 27 L 100  | 27  | EF   | STEEL     | 81.86  | 81.10  | 87  | 58 |     | 31.8 | 45 | 11 |
| 28 L 100  | 28  | EF   | STEEL     | 84.89  | 84.13  | 91  | 58 |     | 31.8 | 45 | 11 |
| 29 L 100  | 29  | EF   | STEEL     | 87.93  | 87.16  | 94  | 58 |     | 31.8 | 45 | 11 |
| 30 L 100  | 30  | EF   | STEEL     | 90.96  | 90.20  | 97  | 70 |     | 31.8 | 45 | 11 |
| 32 L 100  | 32  | EF   | STEEL     | 97.02  | 96.26  | 102 | 70 |     | 31.8 | 45 | 11 |
| 33 L 100  | 33  | EF   | STEEL     | 100.05 | 99.29  | 106 | 70 |     | 31.8 | 45 | 11 |
| 34 L 100  | 34  | EF   | STEEL     | 103.08 | 102.32 | 112 | 70 |     | 31.8 | 45 | 11 |
| 35 L 100  | 35  | EF   | STEEL     | 106.12 | 105.35 | 112 | 70 |     | 31.8 | 45 | 11 |
| 36 L 100  | 36  | EF   | STEEL     | 109.15 | 108.39 | 115 | 70 |     | 31.8 | 45 | 11 |
| 40 L 100  | 40  | ECF  | STEEL     | 121.28 | 120.51 | 128 | 70 | 100 | 31.8 | 45 | 11 |
| 41 L 100  | 41  | ECF  | STEEL     | 124.31 | 123.55 | 135 | 70 | 103 | 31.8 | 45 | 11 |
| 42 L 100  | 42  | ECF  | STEEL     | 127.34 | 126.58 | 135 | 70 | 106 | 31.8 | 45 | 11 |
| 44 L 100  | 44  | ECF  | STEEL     | 133.40 | 132.64 | 142 | 70 | 112 | 31.8 | 45 | 11 |
| 45 L 100  | 45  | ECF  | STEEL     | 136.44 | 135.67 | 142 | 70 | 115 | 31.8 | 45 | 11 |
| 47 L 100  | 47  | ECF  | STEEL     | 142.50 | 141.74 | 150 | 70 | 121 | 31.8 | 45 | 11 |
| 48 L 100  | 48  | ECF  | STEEL     | 145.53 | 144.77 | 150 | 70 | 124 | 31.8 | 45 | 11 |
| 49 L 100  | 49  | EC   | CAST IRON | 148.56 | 147.80 |     | 70 | 127 | 31.8 | 45 | 14 |
| 50 L 100  | 50  | EC   | CAST IRON | 151.60 | 150.83 |     | 70 | 130 | 31.8 | 45 | 14 |
| 52 L 100  | 52  | EC   | CAST IRON | 157.66 | 156.90 |     | 70 | 136 | 31.8 | 45 | 14 |
| 56 L 100  | 56  | EC   | CAST IRON | 169.79 | 169.02 |     | 70 | 149 | 31.8 | 45 | 14 |
| 57 L 100  | 57  | EC   | CAST IRON | 172.82 | 172.06 |     | 70 | 152 | 31.8 | 45 | 14 |
| 60 L 100  | 60  | EC   | CAST IRON | 181.91 | 181.15 |     | 75 | 160 | 31.8 | 50 | 14 |
| 65 L 100  | 65  | EA   | CAST IRON | 197.07 | 196.31 |     | 75 | 176 | 31.8 | 50 | 14 |
| 66 L 100  | 66  | EA   | CAST IRON | 200.11 | 199.34 |     | 75 | 179 | 31.8 | 50 | 14 |
| 72 L 100  | 72  | EA   | CAST IRON | 218.30 | 217.53 |     | 75 | 197 | 31.8 | 50 | 14 |
| 84 L 100  | 84  | EA   | CAST IRON | 254.68 | 253.92 |     | 75 | 233 | 31.8 | 50 | 14 |
| 90 L 100  | 90  | EA   | CAST IRON | 272.87 | 272.11 |     | 75 | 252 | 31.8 | 50 | 14 |
| 96 L 100  | 96  | EA   | CAST IRON | 291.06 | 290.30 |     | 75 | 269 | 31.8 | 50 | 14 |
| 120 L 100 | 120 | EA   | CAST IRON | 363.83 | 363.07 |     | 75 | 342 | 31.8 | 50 | 14 |

**H 075 PITCH 1/2"(12.7mm)**

| CODE     | Z  | Type | MAT.  | Od     | De     | Df  | d3 | D1 | W    | H  | d  |
|----------|----|------|-------|--------|--------|-----|----|----|------|----|----|
| 14 H 075 | 14 | EF   | STEEL | 56.60  | 55.22  | 64  | 40 |    | 26.4 | 40 | 8  |
| 15 H 075 | 15 | EF   | STEEL | 60.64  | 59.27  | 66  | 45 |    | 26.4 | 40 | 8  |
| 16 H 075 | 16 | EF   | STEEL | 64.68  | 63.31  | 70  | 45 |    | 26.4 | 40 | 8  |
| 17 H 075 | 17 | EF   | STEEL | 68.72  | 67.35  | 75  | 45 |    | 26.4 | 40 | 8  |
| 18 H 075 | 18 | EF   | STEEL | 72.77  | 71.39  | 79  | 55 |    | 26.4 | 40 | 11 |
| 19 H 075 | 19 | EF   | STEEL | 76.81  | 75.44  | 83  | 60 |    | 26.4 | 40 | 11 |
| 20 H 075 | 20 | EF   | STEEL | 80.85  | 79.48  | 87  | 62 |    | 26.4 | 40 | 11 |
| 21 H 075 | 21 | EF   | STEEL | 84.89  | 83.52  | 91  | 65 |    | 26.4 | 40 | 11 |
| 22 H 075 | 22 | EF   | STEEL | 88.94  | 87.56  | 93  | 68 |    | 26.4 | 40 | 11 |
| 23 H 075 | 23 | EF   | STEEL | 92.98  | 91.61  | 97  | 72 |    | 26.4 | 40 | 11 |
| 24 H 075 | 24 | EF   | STEEL | 97.02  | 95.65  | 102 | 72 |    | 26.4 | 40 | 11 |
| 25 H 075 | 25 | EF   | STEEL | 101.06 | 99.69  | 106 | 72 |    | 26.4 | 40 | 11 |
| 26 H 075 | 26 | EF   | STEEL | 105.11 | 103.73 | 112 | 80 |    | 26.4 | 40 | 11 |
| 27 H 075 | 27 | EF   | STEEL | 109.15 | 107.78 | 115 | 80 |    | 26.4 | 40 | 11 |
| 28 H 075 | 28 | EF   | STEEL | 113.19 | 111.82 | 120 | 80 |    | 26.4 | 40 | 11 |



**H 075 PITCH 1/2"(12.7mm)**

| CODE     | Z  | Type | MAT.      | Od     | De     | Df  | d3 | D1  | W    | H  | d  |
|----------|----|------|-----------|--------|--------|-----|----|-----|------|----|----|
| 29 H 075 | 29 | EF   | STEEL     | 117.23 | 115.86 | 123 | 80 |     | 26.4 | 40 | 11 |
| 30 H 075 | 30 | EF   | STEEL     | 121.28 | 119.90 | 128 | 80 |     | 26.4 | 40 | 11 |
| 32 H 075 | 32 | EF   | STEEL     | 129.36 | 127.99 | 135 | 80 |     | 26.4 | 40 | 11 |
| 33 H 075 | 33 | EF   | STEEL     | 133.40 | 132.03 | 140 | 80 |     | 26.4 | 40 | 11 |
| 34 H 075 | 34 | EF   | STEEL     | 137.45 | 136.07 | 142 | 80 |     | 26.4 | 40 | 11 |
| 35 H 075 | 35 | EF   | STEEL     | 141.49 | 140.12 | 150 | 80 |     | 26.4 | 40 | 11 |
| 36 H 075 | 36 | EF   | STEEL     | 145.53 | 144.16 | 150 | 80 |     | 26.4 | 40 | 11 |
| 38 H 075 | 38 | EF   | STEEL     | 153.62 | 152.24 | 158 | 80 |     | 26.4 | 40 | 11 |
| 40 H 075 | 40 | EF   | STEEL     | 161.70 | 160.33 | 168 | 80 |     | 26.4 | 40 | 11 |
| 42 H 075 | 42 | EF   | STEEL     | 169.79 | 168.41 | 175 | 80 |     | 26.4 | 40 | 11 |
| 44 H 075 | 44 | ECF  | CAST IRON | 177.87 | 176.50 | 184 | 80 | 150 | 26.4 | 40 | 14 |
| 45 H 075 | 45 | ECF  | CAST IRON | 181.91 | 180.54 | 192 | 80 | 154 | 26.4 | 40 | 14 |
| 48 H 075 | 48 | ECF  | CAST IRON | 194.04 | 192.67 | 200 | 90 | 166 | 26.4 | 45 | 14 |
| 49 H 075 | 49 | EC   | CAST IRON | 198.08 | 196.71 |     | 90 | 170 | 26.4 | 45 | 14 |
| 50 H 075 | 50 | EC   | CAST IRON | 202.13 | 200.75 |     | 90 | 174 | 26.4 | 45 | 14 |

**H 100 PITCH 1/2"(12.07mm)**

| CODE     | Z  | Type | MAT.      | Od     | De     | Df   | d3  | D1  | W    | H  | d  |
|----------|----|------|-----------|--------|--------|------|-----|-----|------|----|----|
| 14 H 100 | 14 | EF   | STEEL     | 56.60  | 55.22  | 64   | 40  |     | 31.8 | 45 | 11 |
| 15 H 100 | 15 | EF   | STEEL     | 60.64  | 59.27  | 66   | 45  |     | 31.8 | 45 | 11 |
| 16 H 100 | 16 | EF   | STEEL     | 64.68  | 63.31  | 70   | 45  |     | 31.8 | 45 | 11 |
| 17 H 100 | 17 | EF   | STEEL     | 68.72  | 67.35  | 75   | 45  |     | 31.8 | 45 | 11 |
| 18 H 100 | 18 | EF   | STEEL     | 72.77  | 71.39  | 79   | 55  |     | 31.8 | 45 | 14 |
| 19 H 100 | 19 | EF   | STEEL     | 76.81  | 75.44  | 82.5 | 60  |     | 31.8 | 45 | 14 |
| 20 H 100 | 20 | EF   | STEEL     | 80.85  | 79.48  | 87   | 62  |     | 31.8 | 45 | 14 |
| 21 H 100 | 21 | EF   | STEEL     | 84.89  | 83.52  | 91   | 65  |     | 31.8 | 45 | 14 |
| 22 H 100 | 22 | EF   | STEEL     | 88.94  | 87.56  | 94   | 68  |     | 31.8 | 45 | 14 |
| 23 H 100 | 23 | EF   | STEEL     | 92.98  | 91.61  | 97   | 72  |     | 31.8 | 45 | 14 |
| 24 H 100 | 24 | EF   | STEEL     | 97.02  | 95.65  | 102  | 72  |     | 31.8 | 45 | 14 |
| 25 H 100 | 25 | EF   | STEEL     | 101.06 | 99.69  | 106  | 72  |     | 31.8 | 45 | 14 |
| 26 H 100 | 26 | EF   | STEEL     | 105.11 | 103.73 | 112  | 80  |     | 31.8 | 45 | 14 |
| 27 H 100 | 27 | EF   | STEEL     | 109.15 | 107.78 | 115  | 80  |     | 31.8 | 45 | 14 |
| 28 H 100 | 28 | EF   | STEEL     | 113.19 | 111.82 | 120  | 80  |     | 31.8 | 45 | 14 |
| 29 H 100 | 29 | EF   | STEEL     | 117.23 | 115.86 | 120  | 80  |     | 31.8 | 45 | 14 |
| 30 H 100 | 30 | EF   | STEEL     | 121.28 | 119.90 | 128  | 80  |     | 31.8 | 45 | 14 |
| 32 H 100 | 32 | EF   | STEEL     | 129.36 | 127.99 | 135  | 80  |     | 31.8 | 45 | 14 |
| 33 H 100 | 33 | EF   | STEEL     | 133.40 | 132.03 | 142  | 80  |     | 31.8 | 45 | 14 |
| 34 H 100 | 34 | EF   | STEEL     | 137.45 | 136.07 | 142  | 80  |     | 31.8 | 45 | 14 |
| 35 H 100 | 35 | EF   | STEEL     | 141.49 | 140.12 | 150  | 80  |     | 31.8 | 45 | 14 |
| 36 H 100 | 36 | EF   | STEEL     | 145.53 | 144.16 | 150  | 80  | 118 | 31.8 | 45 | 14 |
| 38 H 100 | 38 | EF   | STEEL     | 153.62 | 152.24 | 158  | 80  | 126 | 31.8 | 45 | 14 |
| 40 H 100 | 40 | EF   | STEEL     | 161.70 | 160.33 | 168  | 80  | 134 | 31.8 | 45 | 14 |
| 42 H 100 | 42 | EF   | STEEL     | 169.79 | 168.41 | 180  | 80  | 140 | 31.8 | 45 | 14 |
| 44 H 100 | 44 | ECF  | CAST IRON | 177.87 | 176.50 | 184  | 80  | 150 | 31.8 | 50 | 14 |
| 45 H 100 | 45 | ECF  | CAST IRON | 181.91 | 180.54 | 192  | 80  | 154 | 31.8 | 50 | 14 |
| 48 H 100 | 48 | ECF  | CAST IRON | 194.04 | 192.67 | 200  | 90  | 166 | 31.8 | 50 | 14 |
| 49 H 100 | 49 | EC   | CAST IRON | 198.08 | 196.71 |      | 90  | 170 | 31.8 | 50 | 19 |
| 50 H 100 | 50 | EC   | CAST IRON | 202.13 | 200.75 |      | 90  | 174 | 31.8 | 50 | 19 |
| 52 H100  | 52 | EC   | CAST IRON | 210.21 | 208.84 |      | 90  | 182 | 31.8 | 50 | 19 |
| 58 H100  | 58 | EA   | CAST IRON | 234.47 | 233.09 |      | 90  | 207 | 31.8 | 50 | 19 |
| 60 H100  | 60 | EA   | CAST IRON | 242.55 | 241.18 |      | 90  | 215 | 31.8 | 50 | 19 |
| 70 H100  | 70 | EA   | CAST IRON | 282.98 | 281.61 |      | 100 | 255 | 31.8 | 55 | 19 |
| 72 H100  | 72 | EA   | CAST IRON | 291.06 | 289.69 |      | 100 | 263 | 31.8 | 55 | 19 |
| 82 H100  | 82 | EA   | CAST IRON | 331.49 | 330.12 |      | 100 | 304 | 31.8 | 55 | 19 |
| 84 H100  | 84 | EA   | CAST IRON | 339.57 | 338.20 |      | 100 | 312 | 31.8 | 55 | 19 |
| 94 H100  | 94 | EA   | CAST IRON | 380.00 | 378.63 |      | 120 | 352 | 31.8 | 60 | 19 |
| 96 H100  | 96 | EA   | CAST IRON | 388.08 | 386.71 |      | 120 | 360 | 31.8 | 60 | 19 |

**H 100 PITCH 1/2"(12.07mm)**

| CODE     | Z   | Type | MAT.      | Od     | De     | Df | d3  | D1  | W    | H  | d  |
|----------|-----|------|-----------|--------|--------|----|-----|-----|------|----|----|
| 106 H100 | 106 | EA   | CAST IRON | 428.51 | 427.14 |    | 120 | 401 | 31.8 | 60 | 19 |
| 116 H100 | 116 | EA   | CAST IRON | 468.93 | 467.56 |    | 120 | 441 | 31.8 | 60 | 19 |
| 118 H100 | 118 | EA   | CAST IRON | 477.02 | 475.65 |    | 120 | 449 | 31.8 | 60 | 19 |
| 120 H100 | 120 | EA   | CAST IRON | 485.10 | 483.73 |    | 120 | 458 | 31.8 | 60 | 19 |
| 150 H100 | 150 | EA   | CAST IRON | 606.38 | 605.01 |    | 120 | 579 | 31.8 | 60 | 19 |
| 152 H100 | 152 | EA   | CAST IRON | 614.47 | 613.09 |    | 120 | 587 | 31.8 | 60 | 19 |
| 154 H100 | 154 | EA   | CAST IRON | 622.55 | 621.18 |    | 120 | 595 | 31.8 | 60 | 19 |
| 156 H100 | 156 | EA   | CAST IRON | 630.64 | 629.26 |    | 120 | 603 | 31.8 | 60 | 19 |

**H 150 PITCH 1/2"(12.7mm)**

| CODE     | Z   | Type | MAT.      | Od     | De     | Df   | d3  | D1  | W  | H  | d  |
|----------|-----|------|-----------|--------|--------|------|-----|-----|----|----|----|
| 14 H 150 | 14  | EF   | STEEL     | 56.60  | 55.22  | 64   | 40  |     | 46 | 58 | 11 |
| 15 H 150 | 15  | EF   | STEEL     | 60.64  | 59.27  | 66.5 | 45  |     | 46 | 58 | 11 |
| 16 H 150 | 16  | EF   | STEEL     | 64.68  | 63.31  | 70   | 45  |     | 46 | 58 | 11 |
| 17 H 150 | 17  | EF   | STEEL     | 68.72  | 67.35  | 75   | 45  |     | 46 | 58 | 11 |
| 18 H 150 | 18  | EF   | STEEL     | 72.77  | 71.39  | 79   | 55  |     | 46 | 58 | 14 |
| 19 H 150 | 19  | EF   | STEEL     | 76.81  | 75.44  | 82.5 | 60  |     | 46 | 58 | 14 |
| 20 H 150 | 20  | EF   | STEEL     | 80.85  | 79.48  | 87   | 62  |     | 46 | 58 | 14 |
| 21 H 150 | 21  | EF   | STEEL     | 84.89  | 83.52  | 91   | 65  |     | 46 | 58 | 14 |
| 22 H 150 | 22  | EF   | STEEL     | 88.94  | 87.56  | 94   | 68  |     | 46 | 58 | 14 |
| 23 H 150 | 23  | EF   | STEEL     | 92.98  | 91.61  | 97   | 72  |     | 46 | 58 | 14 |
| 24 H 150 | 24  | EF   | STEEL     | 97.02  | 95.65  | 102  | 72  |     | 46 | 58 | 14 |
| 25 H 150 | 25  | EF   | STEEL     | 101.06 | 99.69  | 106  | 72  |     | 46 | 58 | 14 |
| 26 H 150 | 26  | EF   | STEEL     | 105.11 | 103.73 | 112  | 80  |     | 46 | 58 | 14 |
| 27 H 150 | 27  | EF   | STEEL     | 109.15 | 107.78 | 115  | 80  |     | 46 | 58 | 14 |
| 28 H 150 | 28  | EF   | STEEL     | 113.19 | 111.82 | 120  | 80  |     | 46 | 58 | 14 |
| 29 H 150 | 29  | EF   | STEEL     | 117.23 | 115.86 | 120  | 80  |     | 46 | 58 | 14 |
| 30 H 150 | 30  | EF   | STEEL     | 121.28 | 119.90 | 128  | 80  |     | 46 | 58 | 14 |
| 32 H 150 | 32  | EF   | STEEL     | 129.36 | 127.99 | 135  | 80  |     | 46 | 58 | 14 |
| 33 H 150 | 33  | EF   | STEEL     | 133.40 | 132.03 | 142  | 80  |     | 46 | 58 | 14 |
| 34 H 150 | 34  | EF   | STEEL     | 137.45 | 136.07 | 142  | 80  |     | 46 | 58 | 14 |
| 35 H 150 | 35  | EF   | STEEL     | 141.49 | 140.12 | 150  | 80  |     | 46 | 58 | 14 |
| 36 H 150 | 36  | EF   | STEEL     | 145.53 | 144.16 | 150  | 80  | 118 | 46 | 58 | 14 |
| 38 H 150 | 38  | EF   | STEEL     | 153.62 | 152.24 | 158  | 80  | 126 | 46 | 58 | 14 |
| 40 H 150 | 40  | EF   | STEEL     | 161.70 | 160.33 | 168  | 80  | 134 | 46 | 58 | 14 |
| 42 H 150 | 42  | EF   | STEEL     | 169.79 | 168.41 | 180  | 80  | 140 | 46 | 58 | 19 |
| 44 H 150 | 44  | ECF  | CAST IRON | 177.87 | 176.50 | 184  | 80  | 150 | 46 | 58 | 19 |
| 45 H 150 | 45  | ECF  | CAST IRON | 181.91 | 180.54 | 192  | 80  | 154 | 46 | 58 | 19 |
| 48 H 150 | 48  | ECF  | CAST IRON | 194.04 | 192.67 | 200  | 90  | 166 | 46 | 65 | 19 |
| 49 H 150 | 49  | EC   | CAST IRON | 198.08 | 196.71 |      | 90  | 170 | 46 | 65 | 19 |
| 50 H 150 | 50  | EC   | CAST IRON | 202.13 | 200.75 |      | 90  | 174 | 46 | 65 | 19 |
| 52 H150  | 52  | EC   | CAST IRON | 210.21 | 208.84 |      | 90  | 182 | 46 | 65 | 19 |
| 58 H150  | 58  | EA   | CAST IRON | 234.47 | 233.09 |      | 90  | 207 | 46 | 65 | 19 |
| 60 H150  | 60  | EA   | CAST IRON | 242.55 | 241.18 |      | 90  | 215 | 46 | 65 | 19 |
| 70 H150  | 70  | EA   | CAST IRON | 282.98 | 281.61 |      | 100 | 255 | 46 | 65 | 24 |
| 72 H150  | 72  | EA   | CAST IRON | 291.06 | 289.69 |      | 100 | 263 | 46 | 65 | 24 |
| 82 H150  | 82  | EA   | CAST IRON | 331.49 | 330.12 |      | 100 | 304 | 46 | 65 | 24 |
| 84 H150  | 84  | EA   | CAST IRON | 339.57 | 338.20 |      | 100 | 312 | 46 | 65 | 24 |
| 94 H150  | 94  | EA   | CAST IRON | 380.00 | 378.63 |      | 120 | 352 | 46 | 65 | 24 |
| 96 H150  | 96  | EA   | CAST IRON | 388.08 | 386.71 |      | 120 | 360 | 46 | 65 | 24 |
| 106 H150 | 106 | EA   | CAST IRON | 428.51 | 427.14 |      | 120 | 401 | 46 | 65 | 24 |
| 116 H150 | 116 | EA   | CAST IRON | 468.93 | 467.56 |      | 120 | 441 | 46 | 65 | 24 |
| 118 H150 | 118 | EA   | CAST IRON | 477.02 | 475.65 |      | 120 | 449 | 46 | 65 | 24 |
| 120 H150 | 120 | EA   | CAST IRON | 485.10 | 483.73 |      | 120 | 458 | 46 | 65 | 24 |
| 150 H150 | 150 | EA   | CAST IRON | 606.38 | 605.01 |      | 120 | 579 | 46 | 65 | 24 |
| 152 H150 | 152 | EA   | CAST IRON | 614.47 | 613.09 |      | 120 | 587 | 46 | 65 | 24 |
| 154 H150 | 154 | EA   | CAST IRON | 622.55 | 621.18 |      | 120 | 595 | 46 | 65 | 24 |
| 156 H150 | 156 | EA   | CAST IRON | 630.64 | 629.26 |      | 120 | 603 | 46 | 65 | 24 |

**H 200 PITCH 1/2"(12.7mm)**

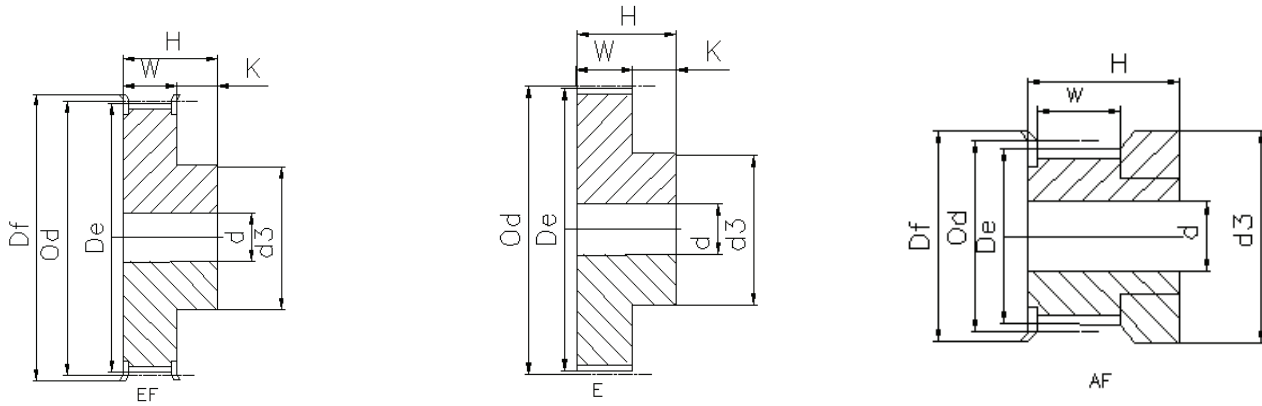
| CODE     | Z   | Type | MAT.      | Od     | De     | Df  | d3  | D1  | W    | H  | d  |
|----------|-----|------|-----------|--------|--------|-----|-----|-----|------|----|----|
| 14 H 200 | 14  | EF   | STEEL     | 56.60  | 55.22  | 64  | 40  |     | 58.7 | 70 | 11 |
| 15 H 200 | 15  | EF   | STEEL     | 60.64  | 59.27  | 66  | 45  |     | 58.7 | 70 | 11 |
| 16 H 200 | 16  | EF   | STEEL     | 64.68  | 63.31  | 70  | 45  |     | 58.7 | 70 | 11 |
| 17 H 200 | 17  | EF   | STEEL     | 68.72  | 67.35  | 75  | 45  |     | 58.7 | 70 | 11 |
| 18 H 200 | 18  | EF   | STEEL     | 72.77  | 71.39  | 79  | 55  |     | 58.7 | 70 | 14 |
| 19 H 200 | 19  | EF   | STEEL     | 76.81  | 75.44  | 83  | 60  |     | 58.7 | 70 | 14 |
| 20 H 200 | 20  | EF   | STEEL     | 80.85  | 79.48  | 87  | 62  |     | 58.7 | 70 | 14 |
| 21 H 200 | 21  | EF   | STEEL     | 84.89  | 83.52  | 91  | 65  |     | 58.7 | 70 | 14 |
| 22 H 200 | 22  | EF   | STEEL     | 88.94  | 87.56  | 93  | 68  |     | 58.7 | 70 | 14 |
| 23 H 200 | 23  | EF   | STEEL     | 92.98  | 91.61  | 97  | 72  |     | 58.7 | 70 | 14 |
| 24 H 200 | 24  | EF   | STEEL     | 97.02  | 95.65  | 102 | 72  |     | 58.7 | 70 | 14 |
| 25 H 200 | 25  | EF   | STEEL     | 101.06 | 99.69  | 106 | 72  |     | 58.7 | 70 | 14 |
| 26 H 200 | 26  | EF   | STEEL     | 105.11 | 103.73 | 112 | 80  |     | 58.7 | 70 | 14 |
| 27 H 200 | 27  | EF   | STEEL     | 109.15 | 107.78 | 115 | 80  |     | 58.7 | 70 | 14 |
| 28 H 200 | 28  | EF   | STEEL     | 113.19 | 111.82 | 120 | 80  |     | 58.7 | 70 | 14 |
| 29 H 200 | 29  | EF   | STEEL     | 117.23 | 115.86 | 123 | 80  |     | 58.7 | 70 | 14 |
| 30 H 200 | 30  | EF   | STEEL     | 121.28 | 119.90 | 128 | 80  |     | 58.7 | 70 | 14 |
| 32 H 200 | 32  | EF   | STEEL     | 129.36 | 127.99 | 135 | 80  |     | 58.7 | 70 | 14 |
| 33 H 200 | 33  | EF   | STEEL     | 133.40 | 132.03 | 145 | 80  |     | 58.7 | 70 | 14 |
| 34 H 200 | 34  | EF   | STEEL     | 137.45 | 136.07 | 142 | 80  |     | 58.7 | 70 | 14 |
| 35 H 200 | 35  | EF   | STEEL     | 141.49 | 140.12 | 150 | 80  |     | 58.7 | 70 | 14 |
| 36 H 200 | 36  | EF   | STEEL     | 145.53 | 144.16 | 150 | 80  | 118 | 58.7 | 70 | 14 |
| 38 H 200 | 38  | EF   | STEEL     | 153.62 | 152.24 | 158 | 80  | 126 | 58.7 | 70 | 14 |
| 40 H 200 | 40  | EF   | STEEL     | 161.70 | 160.33 | 168 | 80  | 134 | 58.7 | 70 | 14 |
| 42 H 200 | 42  | EF   | STEEL     | 169.79 | 168.41 | 180 | 80  | 140 | 58.7 | 70 | 19 |
| 44 H 200 | 44  | ECF  | CAST IRON | 177.87 | 176.50 | 184 | 80  | 150 | 58.7 | 70 | 19 |
| 45 H 200 | 45  | ECF  | CAST IRON | 181.91 | 180.54 | 192 | 80  | 154 | 58.7 | 70 | 19 |
| 48 H 200 | 48  | ECF  | CAST IRON | 194.04 | 192.67 | 200 | 90  | 166 | 58.7 | 75 | 24 |
| 49 H 200 | 49  | EC   | CAST IRON | 198.08 | 196.71 |     | 90  | 170 | 58.7 | 75 | 24 |
| 50 H 200 | 50  | EC   | CAST IRON | 202.13 | 200.75 |     | 90  | 174 | 58.7 | 75 | 24 |
| 52 H150  | 52  | EC   | CAST IRON | 210.21 | 208.84 |     | 90  | 182 | 58.7 | 75 | 24 |
| 58 H200  | 58  | EA   | CAST IRON | 234.47 | 233.09 |     | 90  | 207 | 58.7 | 75 | 24 |
| 60 H200  | 60  | EA   | CAST IRON | 242.55 | 241.18 |     | 90  | 215 | 58.7 | 75 | 24 |
| 70 H200  | 70  | EA   | CAST IRON | 282.98 | 281.61 |     | 100 | 255 | 58.7 | 75 | 24 |
| 72 H200  | 72  | EA   | CAST IRON | 291.06 | 289.69 |     | 100 | 263 | 58.7 | 75 | 24 |
| 82 H200  | 82  | EA   | CAST IRON | 331.49 | 330.12 |     | 100 | 304 | 58.7 | 75 | 24 |
| 84 H200  | 84  | EA   | CAST IRON | 339.57 | 338.20 |     | 100 | 312 | 58.7 | 75 | 24 |
| 94 H200  | 94  | EA   | CAST IRON | 380.00 | 378.63 |     | 120 | 352 | 58.7 | 75 | 24 |
| 96 H200  | 96  | EA   | CAST IRON | 388.08 | 386.71 |     | 120 | 360 | 58.7 | 75 | 24 |
| 106 H200 | 106 | EA   | CAST IRON | 428.51 | 427.14 |     | 120 | 401 | 58.7 | 75 | 24 |
| 116 H200 | 116 | EA   | CAST IRON | 468.93 | 467.56 |     | 120 | 441 | 58.7 | 75 | 24 |
| 118 H200 | 118 | EA   | CAST IRON | 477.02 | 475.65 |     | 120 | 449 | 58.7 | 75 | 24 |
| 120 H200 | 120 | EA   | CAST IRON | 485.10 | 483.73 |     | 120 | 458 | 58.7 | 75 | 24 |
| 150 H200 | 150 | EA   | CAST IRON | 606.38 | 605.01 |     | 120 | 579 | 58.7 | 75 | 24 |
| 152 H200 | 152 | EA   | CAST IRON | 614.47 | 613.09 |     | 120 | 587 | 58.7 | 75 | 24 |
| 154 H200 | 154 | EA   | CAST IRON | 622.55 | 621.18 |     | 120 | 595 | 58.7 | 75 | 24 |
| 156 H200 | 156 | EA   | CAST IRON | 630.64 | 629.26 |     | 120 | 603 | 58.7 | 75 | 24 |

**H 300 PITCH 1/2"(12.7mm)**

| CODE     | Z  | Type | MAT.  | Od    | De    | Df | d3 | D1 | W    | H   | d  |
|----------|----|------|-------|-------|-------|----|----|----|------|-----|----|
| 14 H 300 | 14 | EF   | STEEL | 56.60 | 55.22 | 64 | 40 |    | 85.7 | 100 | 11 |
| 15 H 300 | 15 | EF   | STEEL | 60.64 | 59.27 | 66 | 45 |    | 85.7 | 100 | 11 |
| 16 H 300 | 16 | EF   | STEEL | 64.68 | 63.31 | 70 | 45 |    | 85.7 | 100 | 11 |
| 17 H 300 | 17 | EF   | STEEL | 68.72 | 67.35 | 75 | 45 |    | 85.7 | 100 | 11 |

**H 300 PITCH 1/2"(12.7mm)**

| CODE     | Z   | Type | MAT.      | Od     | De     | Df  | d3  | D1  | W    | H   | d  |
|----------|-----|------|-----------|--------|--------|-----|-----|-----|------|-----|----|
| 18 H 300 | 18  | EF   | STEEL     | 72.77  | 71.39  | 79  | 55  |     | 85.7 | 100 | 19 |
| 19 H 300 | 19  | EF   | STEEL     | 76.81  | 75.44  | 83  | 60  |     | 85.7 | 100 | 19 |
| 20 H 300 | 20  | EF   | STEEL     | 80.85  | 79.48  | 87  | 62  |     | 85.7 | 100 | 19 |
| 21 H 300 | 21  | EF   | STEEL     | 84.89  | 83.52  | 91  | 65  |     | 85.7 | 100 | 19 |
| 22 H 300 | 22  | EF   | STEEL     | 88.94  | 87.56  | 93  | 68  |     | 85.7 | 100 | 19 |
| 23 H 300 | 23  | EF   | STEEL     | 92.98  | 91.61  | 97  | 72  |     | 85.7 | 100 | 19 |
| 24 H 300 | 24  | EF   | STEEL     | 97.02  | 95.65  | 102 | 72  |     | 85.7 | 100 | 19 |
| 25 H 300 | 25  | EF   | STEEL     | 101.06 | 99.69  | 106 | 72  |     | 85.7 | 100 | 19 |
| 26 H 300 | 26  | EF   | STEEL     | 105.11 | 103.73 | 112 | 80  |     | 85.7 | 100 | 19 |
| 27 H 300 | 27  | EF   | STEEL     | 109.15 | 107.78 | 115 | 80  |     | 85.7 | 100 | 19 |
| 28 H 300 | 28  | EF   | STEEL     | 113.19 | 111.82 | 120 | 80  |     | 85.7 | 100 | 19 |
| 29 H 300 | 29  | EF   | STEEL     | 117.23 | 115.86 | 123 | 80  |     | 85.7 | 100 | 19 |
| 30 H 300 | 30  | EF   | STEEL     | 121.28 | 119.90 | 128 | 80  |     | 85.7 | 100 | 19 |
| 32 H 300 | 32  | EF   | STEEL     | 129.36 | 127.99 | 135 | 80  |     | 85.7 | 100 | 19 |
| 33 H 300 | 33  | EF   | STEEL     | 133.40 | 132.03 | 145 | 80  |     | 85.7 | 100 | 19 |
| 34 H 300 | 34  | EF   | STEEL     | 137.45 | 136.07 | 142 | 80  |     | 85.7 | 100 | 19 |
| 35 H 300 | 35  | EF   | STEEL     | 141.49 | 140.12 | 150 | 80  |     | 85.7 | 100 | 19 |
| 36 H 300 | 36  | ECF  | STEEL     | 145.53 | 144.16 | 150 | 80  | 118 | 85.7 | 100 | 19 |
| 38 H 300 | 38  | ECF  | STEEL     | 153.62 | 152.24 | 158 | 80  | 126 | 85.7 | 100 | 19 |
| 40 H 300 | 40  | ECF  | STEEL     | 161.70 | 160.33 | 168 | 80  | 134 | 85.7 | 100 | 19 |
| 42 H 300 | 42  | ECF  | STEEL     | 169.79 | 168.41 | 175 | 80  | 140 | 85.7 | 100 | 24 |
| 44 H 300 | 44  | ECF  | CAST IRON | 177.87 | 176.50 | 184 | 80  | 150 | 85.7 | 100 | 24 |
| 45 H 300 | 45  | ECF  | CAST IRON | 181.91 | 180.54 | 192 | 80  | 154 | 85.7 | 100 | 24 |
| 48 H 300 | 48  | ECF  | CAST IRON | 194.04 | 192.67 | 200 | 90  | 166 | 85.7 | 100 | 24 |
| 49 H 300 | 49  | EC   | CAST IRON | 198.08 | 196.71 |     | 90  | 170 | 85.7 | 100 | 24 |
| 50 H 300 | 50  | EC   | CAST IRON | 202.13 | 200.75 |     | 90  | 174 | 85.7 | 100 | 24 |
| 52 H300  | 52  | EC   | CAST IRON | 210.21 | 208.84 |     | 90  | 182 | 85.7 | 100 | 24 |
| 58 H300  | 58  | EA   | CAST IRON | 234.47 | 233.09 |     | 90  | 207 | 85.7 | 100 | 24 |
| 60 H300  | 60  | EA   | CAST IRON | 242.55 | 241.18 |     | 90  | 215 | 85.7 | 100 | 28 |
| 70 H300  | 70  | EA   | CAST IRON | 282.98 | 281.61 |     | 100 | 255 | 85.7 | 100 | 28 |
| 72 H300  | 72  | EA   | CAST IRON | 291.06 | 289.69 |     | 100 | 263 | 85.7 | 100 | 28 |
| 82 H300  | 82  | EA   | CAST IRON | 331.49 | 330.12 |     | 100 | 304 | 85.7 | 100 | 28 |
| 84 H300  | 84  | EA   | CAST IRON | 339.57 | 338.20 |     | 100 | 312 | 85.7 | 100 | 28 |
| 94 H300  | 94  | EA   | CAST IRON | 380.00 | 378.63 |     | 120 | 352 | 85.7 | 100 | 28 |
| 96 H300  | 96  | EA   | CAST IRON | 388.08 | 386.71 |     | 120 | 360 | 85.7 | 100 | 28 |
| 106 H300 | 106 | EA   | CAST IRON | 428.51 | 427.14 |     | 120 | 401 | 85.7 | 100 | 28 |
| 116 H300 | 116 | EA   | CAST IRON | 468.93 | 467.56 |     | 120 | 441 | 85.7 | 100 | 28 |
| 118 H300 | 118 | EA   | CAST IRON | 477.02 | 475.65 |     | 120 | 449 | 85.7 | 100 | 28 |
| 120 H300 | 120 | EA   | CAST IRON | 485.10 | 483.73 |     | 120 | 458 | 85.7 | 100 | 28 |
| 150 H300 | 150 | EA   | CAST IRON | 606.38 | 605.01 |     | 120 | 579 | 85.7 | 100 | 28 |
| 152 H300 | 152 | EA   | CAST IRON | 614.47 | 613.09 |     | 120 | 587 | 85.7 | 100 | 28 |
| 154 H300 | 154 | EA   | CAST IRON | 622.55 | 621.18 |     | 120 | 595 | 85.7 | 100 | 28 |
| 156 H300 | 156 | EA   | CAST IRON | 630.64 | 629.26 |     | 120 | 603 | 85.7 | 100 | 28 |



**T2.5 (PITCH=2.5mm) FOR (BELT WIDTH=6mm)**

| CODE      | Z  | Type | MAT. | Od    | De    | Df   | d3 | W  | H  | d |
|-----------|----|------|------|-------|-------|------|----|----|----|---|
| 16T2.5-12 | 12 | AF   | AL   | 9.60  | 9.00  | 13.0 | 13 | 9  | 16 |   |
| 16T2.5-14 | 14 | AF   | AL   | 11.20 | 10.60 | 15.0 | 15 | 9  | 16 |   |
| 16T2.5-15 | 15 | AF   | AL   | 12.00 | 11.40 | 15.0 | 15 | 9  | 16 |   |
| 16T2.5-16 | 16 | AF   | AL   | 12.80 | 12.20 | 16.0 | 16 | 9  | 16 |   |
| 16T2.5-18 | 18 | EF   | AL   | 14.40 | 13.80 | 17.5 | 10 | 10 | 16 |   |
| 16T2.5-19 | 19 | EF   | AL   | 15.20 | 14.60 | 20.0 | 10 | 10 | 16 |   |
| 16T2.5-20 | 20 | EF   | AL   | 16.00 | 15.40 | 20.0 | 11 | 10 | 16 |   |
| 16T2.5-22 | 22 | EF   | AL   | 16.60 | 16.00 | 22.0 | 11 | 10 | 16 |   |
| 16T2.5-24 | 24 | EF   | AL   | 19.15 | 18.55 | 22.0 | 12 | 10 | 16 |   |
| 16T2.5-25 | 25 | EF   | AL   | 19.95 | 19.35 | 23.0 | 13 | 10 | 16 |   |
| 16T2.5-26 | 26 | EF   | AL   | 20.75 | 20.15 | 25.0 | 14 | 10 | 16 |   |
| 16T2.5-28 | 28 | EF   | AL   | 22.35 | 21.75 | 25.0 | 14 | 10 | 16 |   |
| 16T2.5-30 | 30 | EF   | AL   | 23.95 | 23.35 | 28.0 | 16 | 10 | 16 |   |
| 16T2.5-32 | 32 | EF   | AL   | 25.95 | 24.95 | 32.0 | 16 | 10 | 16 |   |
| 16T2.5-36 | 36 | EF   | AL   | 28.75 | 28.10 | 36.0 | 20 | 10 | 16 |   |
| 16T2.5-40 | 40 | EF   | AL   | 31.90 | 31.30 | 38.0 | 22 | 10 | 16 |   |
| 16T2.5-44 | 44 | EF   | AL   | 35.10 | 34.50 | 42.0 | 24 | 10 | 16 |   |
| 16T2.5-48 | 48 | E    | AL   | 38.30 | 37.70 |      | 26 | 10 | 16 |   |
| 16T2.5-60 | 60 | E    | AL   | 47.85 | 47.25 |      | 34 | 10 | 16 | 8 |

**T5 (PITCH=5mm) FOR (BELT WIDTH=10mm)**

| CODE    | Z  | Type | MAT. | Od    | De    | H  | d3 | W  | H  | d |
|---------|----|------|------|-------|-------|----|----|----|----|---|
| 21T5-10 | 10 | EF   | AL   | 16.05 | 15.05 | 21 | 8  | 15 | 21 |   |
| 21T5-12 | 12 | EF   | AL   | 19.25 | 18.25 | 21 | 11 | 15 | 21 |   |
| 21T5-14 | 14 | EF   | AL   | 22.45 | 21.45 | 21 | 13 | 15 | 21 |   |
| 21T5-15 | 15 | EF   | AL   | 24.05 | 23.05 | 21 | 16 | 15 | 21 |   |
| 21T5-16 | 16 | EF   | AL   | 25.06 | 24.60 | 21 | 18 | 15 | 21 |   |
| 21T5-18 | 18 | EF   | AL   | 28.80 | 27.80 | 21 | 10 | 15 | 21 |   |
| 21T5-19 | 19 | EF   | AL   | 30.40 | 29.40 | 21 | 20 | 15 | 21 |   |
| 21T5-20 | 20 | EF   | AL   | 32.00 | 31.00 | 21 | 22 | 15 | 21 |   |
| 21T5-22 | 22 | EF   | AL   | 32.15 | 34.15 | 21 | 23 | 15 | 21 |   |
| 21T5-24 | 24 | EF   | AL   | 38.40 | 37.40 | 21 | 24 | 15 | 21 |   |
| 21T5-25 | 25 | EF   | AL   | 39.95 | 39.85 | 21 | 26 | 15 | 21 |   |
| 21T5-26 | 26 | EF   | AL   | 41.60 | 40.60 | 21 | 26 | 15 | 21 |   |
| 21T5-27 | 27 | EF   | AL   | 43.20 | 42.20 | 21 | 30 | 15 | 21 | 8 |
| 21T5-28 | 28 | EF   | AL   | 44.75 | 43.75 | 21 | 32 | 15 | 21 | 8 |
| 21T5-30 | 30 | EF   | AL   | 47.95 | 46.95 | 21 | 34 | 15 | 21 | 8 |
| 21T5-32 | 32 | EF   | AL   | 51.10 | 50.10 | 21 | 38 | 15 | 21 | 8 |
| 21T5-36 | 36 | EF   | AL   | 57.45 | 56.45 | 21 | 38 | 15 | 21 | 8 |

**T5 (PITCH=5mm ) FOR (BELT WIDTH=10mm)**

| CODE    | Z  | Type | MAT. | Od    | De    | Df   | d3 | W  | H  | d |
|---------|----|------|------|-------|-------|------|----|----|----|---|
| 21T5-40 | 40 | EF   | AL   | 63.85 | 62.85 | 66.5 | 40 | 15 | 21 | 8 |
| 21T5-42 | 42 | EF   | AL   | 67.00 | 66.00 | 70.0 | 40 | 15 | 21 | 8 |
| 21T5-44 | 44 | E    | AL   | 70.20 | 69.20 |      | 45 | 15 | 21 | 8 |
| 21T5-48 | 48 | E    | AL   | 76.55 | 75.55 |      | 50 | 15 | 21 | 8 |
| 21T5-60 | 60 | E    | AL   | 95.65 | 94.65 |      | 65 | 15 | 21 | 8 |

**T5 (PITCH=5mm ) FOR (BELT WIDTH=16mm)**

| CODE    | Z  | Type | MAT. | Od    | De    | Df   | d3 | W  | H  | d |
|---------|----|------|------|-------|-------|------|----|----|----|---|
| 27T5-10 | 10 | EF   | AL   | 16.05 | 15.05 | 19.5 | 8  | 21 | 27 |   |
| 27T5-12 | 12 | EF   | AL   | 19.25 | 18.25 | 23.0 | 11 | 21 | 27 |   |
| 27T5-14 | 14 | EF   | AL   | 22.45 | 21.45 | 25.0 | 13 | 21 | 27 |   |
| 27T5-15 | 15 | EF   | AL   | 24.05 | 23.05 | 28.0 | 16 | 21 | 27 |   |
| 27T5-16 | 16 | EF   | AL   | 25.06 | 24.60 | 32.0 | 18 | 21 | 27 |   |
| 27T5-18 | 18 | EF   | AL   | 28.80 | 27.80 | 32.0 | 10 | 21 | 27 |   |
| 27T5-19 | 19 | EF   | AL   | 30.40 | 29.40 | 36.0 | 20 | 21 | 27 |   |
| 27T5-20 | 20 | EF   | AL   | 32.00 | 31.00 | 36.0 | 22 | 21 | 27 |   |
| 27T5-22 | 22 | EF   | AL   | 32.15 | 34.15 | 38.0 | 23 | 21 | 27 |   |
| 27T5-24 | 24 | EF   | AL   | 38.40 | 37.40 | 42.0 | 24 | 21 | 27 |   |
| 27T5-25 | 25 | EF   | AL   | 39.95 | 39.85 | 44.0 | 26 | 21 | 27 |   |
| 27T5-26 | 26 | EF   | AL   | 41.60 | 40.60 | 44.0 | 26 | 21 | 27 |   |
| 27T5-27 | 27 | EF   | AL   | 43.20 | 42.20 | 48.0 | 30 | 21 | 27 | 8 |
| 27T5-28 | 28 | EF   | AL   | 44.75 | 43.75 | 48.0 | 32 | 21 | 27 | 8 |
| 27T5-30 | 30 | EF   | AL   | 47.95 | 46.95 | 51.0 | 34 | 21 | 27 | 8 |
| 27T5-32 | 32 | EF   | AL   | 51.10 | 50.10 | 54.0 | 38 | 21 | 27 | 8 |
| 27T5-36 | 36 | EF   | AL   | 57.45 | 56.45 | 64.0 | 38 | 21 | 27 | 8 |
| 27T5-40 | 40 | EF   | AL   | 63.85 | 62.85 | 66.5 | 40 | 21 | 27 | 8 |
| 27T5-42 | 42 | EF   | AL   | 67.00 | 66.00 | 70.0 | 40 | 21 | 27 | 8 |
| 27T5-44 | 44 | E    | AL   | 70.20 | 69.20 |      | 45 | 21 | 27 | 8 |
| 27T5-48 | 48 | E    | AL   | 76.55 | 75.55 |      | 50 | 21 | 27 | 8 |
| 27T5-60 | 60 | E    | AL   | 95.65 | 94.65 |      | 65 | 21 | 27 | 8 |

**T5 (PITCH=5mm ) FOR (BELT WIDTH=25mm)**

| CODE    | Z  | Type | MAT. | Od    | De    | Df   | d3 | W  | H  | d |
|---------|----|------|------|-------|-------|------|----|----|----|---|
| 36T5-10 | 10 | EF   | AL   | 16.05 | 15.05 | 19.5 | 8  | 30 | 36 |   |
| 36T5-12 | 12 | EF   | AL   | 19.25 | 18.25 | 23.0 | 11 | 30 | 36 |   |
| 36T5-14 | 14 | EF   | AL   | 22.45 | 21.45 | 25.0 | 13 | 30 | 36 |   |
| 36T5-15 | 15 | EF   | AL   | 24.05 | 23.05 | 28.0 | 16 | 30 | 36 |   |
| 36T5-16 | 16 | EF   | AL   | 25.06 | 24.60 | 32.0 | 18 | 30 | 36 |   |
| 36T5-18 | 18 | EF   | AL   | 28.80 | 27.80 | 32.0 | 10 | 30 | 36 |   |
| 36T5-19 | 19 | EF   | AL   | 30.40 | 29.40 | 36.0 | 20 | 30 | 36 |   |
| 36T5-20 | 20 | EF   | AL   | 32.00 | 31.00 | 36.0 | 22 | 30 | 36 |   |
| 36T5-22 | 22 | EF   | AL   | 32.15 | 34.15 | 38.0 | 23 | 30 | 36 |   |
| 36T5-24 | 24 | EF   | AL   | 38.40 | 37.40 | 42.0 | 24 | 30 | 36 | 8 |
| 36T5-25 | 25 | EF   | AL   | 39.95 | 39.85 | 44.0 | 26 | 30 | 36 | 8 |
| 36T5-26 | 26 | EF   | AL   | 41.60 | 40.60 | 44.0 | 26 | 30 | 36 | 8 |
| 36T5-27 | 27 | EF   | AL   | 43.20 | 42.20 | 48.0 | 30 | 30 | 36 | 8 |
| 36T5-28 | 28 | EF   | AL   | 44.75 | 43.75 | 48.0 | 32 | 30 | 36 | 8 |
| 36T5-30 | 30 | EF   | AL   | 47.95 | 46.95 | 51.0 | 34 | 30 | 36 | 8 |
| 36T5-32 | 32 | EF   | AL   | 51.10 | 50.10 | 54.0 | 38 | 30 | 36 | 8 |
| 36T5-36 | 36 | EF   | AL   | 57.45 | 56.45 | 64.0 | 38 | 30 | 36 | 8 |
| 36T5-40 | 40 | EF   | AL   | 63.85 | 62.85 | 66.5 | 40 | 30 | 36 | 8 |
| 36T5-42 | 42 | EF   | AL   | 67.00 | 66.00 | 70.0 | 40 | 30 | 36 | 8 |
| 36T5-44 | 44 | E    | AL   | 70.20 | 69.20 |      | 45 | 30 | 36 | 8 |
| 36T5-48 | 48 | E    | AL   | 76.55 | 75.55 |      | 50 | 30 | 36 | 8 |
| 36T5-60 | 60 | E    | AL   | 95.65 | 94.65 |      | 65 | 30 | 36 | 8 |

**T10 (PITCH=10mm ) FOR (BELT WIDTH=16mm)**

| CODE     | Z  | Type | MAT. | Od     | De     | Df  | d3  | W  | H  | d  |
|----------|----|------|------|--------|--------|-----|-----|----|----|----|
| 31T10-12 | 12 | EF   | AL   | 38.35  | 36.35  | 42  | 28  | 21 | 31 | 6  |
| 31T10-14 | 14 | EF   | AL   | 44.70  | 42.70  | 48  | 32  | 21 | 31 | 8  |
| 31T10-15 | 15 | EF   | AL   | 47.90  | 45.90  | 51  | 32  | 21 | 31 | 8  |
| 31T10-16 | 16 | EF   | AL   | 51.10  | 49.10  | 54  | 35  | 21 | 31 | 8  |
| 31T10-18 | 18 | EF   | AL   | 57.45  | 55.45  | 60  | 40  | 21 | 31 | 8  |
| 31T10-19 | 19 | EF   | AL   | 60.65  | 58.65  | 66  | 44  | 21 | 31 | 8  |
| 31T10-20 | 20 | EF   | AL   | 63.80  | 61.80  | 66  | 46  | 21 | 31 | 8  |
| 31T10-22 | 22 | EF   | AL   | 70.20  | 68.20  | 75  | 52  | 21 | 31 | 8  |
| 31T10-24 | 24 | EF   | AL   | 76.55  | 74.55  | 83  | 58  | 21 | 31 | 8  |
| 31T10-25 | 25 | EF   | AL   | 79.55  | 77.70  | 83  | 60  | 21 | 31 | 8  |
| 31T10-26 | 26 | EF   | AL   | 82.90  | 80.90  | 87  | 60  | 21 | 31 | 8  |
| 31T10-27 | 27 | EF   | AL   | 86.10  | 84.10  | 91  | 60  | 21 | 31 | 8  |
| 31T10-28 | 28 | EF   | AL   | 89.25  | 87.25  | 93  | 60  | 21 | 31 | 8  |
| 31T10-30 | 30 | EF   | AL   | 95.65  | 93.65  | 97  | 60  | 21 | 31 | 8  |
| 31T10-32 | 32 | EF   | AL   | 102.00 | 100.00 | 106 | 65  | 21 | 31 | 10 |
| 31T10-36 | 36 | EF   | AL   | 114.75 | 112.75 | 119 | 70  | 21 | 31 | 10 |
| 31T10-40 | 40 | EF   | AL   | 127.45 | 125.45 | 131 | 80  | 21 | 31 | 10 |
| 31T10-44 | 44 | E    | AL   | 140.20 | 138.20 |     | 88  | 21 | 31 | 10 |
| 31T10-48 | 48 | E    | AL   | 152.95 | 150.95 |     | 95  | 21 | 31 | 16 |
| 31T10-60 | 60 | E    | AL   | 191.15 | 189.10 |     | 110 | 21 | 31 | 16 |

**T10 (PITCH=10mm ) FOR (BELT WIDTH=25mm)**

| CODE     | Z  | Type | MAT. | Od     | De     | Df  | d3  | W  | H  | d  |
|----------|----|------|------|--------|--------|-----|-----|----|----|----|
| 40T10-12 | 12 | EF   | AL   | 38.35  | 36.35  | 42  | 28  | 30 | 40 | 6  |
| 40T10-14 | 14 | EF   | AL   | 44.70  | 42.70  | 48  | 32  | 30 | 40 | 8  |
| 40T10-15 | 15 | EF   | AL   | 47.90  | 45.90  | 51  | 32  | 30 | 40 | 8  |
| 40T10-16 | 16 | EF   | AL   | 51.10  | 49.10  | 54  | 35  | 30 | 40 | 8  |
| 40T10-18 | 18 | EF   | AL   | 57.45  | 55.45  | 60  | 40  | 30 | 40 | 8  |
| 40T10-19 | 19 | EF   | AL   | 60.65  | 58.65  | 66  | 44  | 30 | 40 | 8  |
| 40T10-20 | 20 | EF   | AL   | 63.80  | 61.80  | 66  | 46  | 30 | 40 | 8  |
| 40T10-22 | 22 | EF   | AL   | 70.20  | 68.20  | 75  | 52  | 30 | 40 | 8  |
| 40T10-24 | 24 | EF   | AL   | 76.55  | 74.55  | 83  | 58  | 30 | 40 | 8  |
| 40T10-25 | 25 | EF   | AL   | 79.55  | 77.70  | 83  | 60  | 30 | 40 | 8  |
| 40T10-26 | 26 | EF   | AL   | 82.90  | 80.90  | 87  | 60  | 30 | 40 | 8  |
| 40T10-27 | 27 | EF   | AL   | 86.10  | 84.10  | 91  | 60  | 30 | 40 | 8  |
| 40T10-28 | 28 | EF   | AL   | 89.25  | 87.25  | 93  | 60  | 30 | 40 | 8  |
| 40T10-30 | 30 | EF   | AL   | 95.65  | 93.65  | 97  | 60  | 30 | 40 | 8  |
| 40T10-32 | 32 | EF   | AL   | 102.00 | 100.00 | 106 | 65  | 30 | 40 | 10 |
| 40T10-36 | 36 | EF   | AL   | 114.75 | 112.75 | 119 | 70  | 30 | 40 | 10 |
| 40T10-40 | 40 | EF   | AL   | 127.45 | 125.45 | 131 | 80  | 30 | 40 | 10 |
| 40T10-44 | 44 | E    | AL   | 140.20 | 138.20 |     | 88  | 30 | 40 | 10 |
| 40T10-48 | 48 | E    | AL   | 152.95 | 150.95 |     | 95  | 30 | 40 | 16 |
| 40T10-60 | 60 | E    | AL   | 191.15 | 189.10 |     | 110 | 30 | 40 | 16 |

**T10 (PITCH=10mm ) FOR (BELT WIDTH=32mm)**

| CODE     | Z  | Type | MAT. | Od    | De    | Df | d3 | W  | H  | d  |
|----------|----|------|------|-------|-------|----|----|----|----|----|
| 47T10-18 | 18 | EF   | AL   | 57.45 | 55.45 | 60 | 40 | 37 | 47 | 10 |
| 47T10-19 | 19 | EF   | AL   | 60.65 | 58.65 | 66 | 44 | 37 | 47 | 10 |
| 47T10-20 | 20 | EF   | AL   | 63.80 | 61.80 | 66 | 46 | 37 | 47 | 12 |
| 47T10-22 | 22 | EF   | AL   | 70.20 | 68.20 | 75 | 52 | 37 | 47 | 12 |
| 47T10-24 | 24 | EF   | AL   | 76.55 | 74.55 | 83 | 58 | 37 | 47 | 12 |
| 47T10-25 | 25 | EF   | AL   | 79.55 | 77.70 | 83 | 60 | 37 | 47 | 12 |
| 47T10-26 | 26 | EF   | AL   | 82.90 | 80.90 | 87 | 60 | 37 | 47 | 12 |
| 47T10-27 | 27 | EF   | AL   | 86.10 | 84.10 | 91 | 60 | 37 | 47 | 12 |

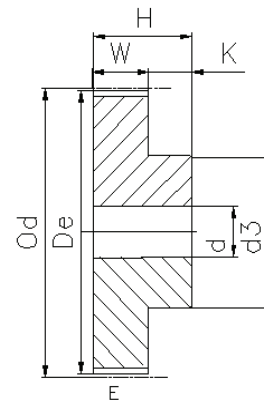
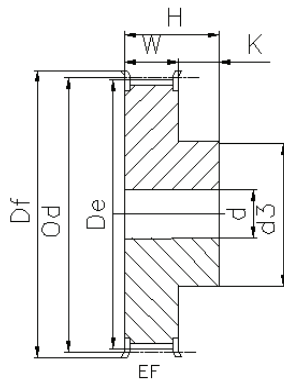
**T10 (PITCH=10mm ) FOR (BELT WIDTH=32mm)**

| CODE      | Z  | Type | MAT. | Od     | De     | Df  | d3  | W  | H  | d  |
|-----------|----|------|------|--------|--------|-----|-----|----|----|----|
| 47 T10-28 | 28 | EF   | AL   | 89.25  | 87.25  | 93  | 60  | 37 | 47 | 12 |
| 47 T10-30 | 30 | EF   | AL   | 95.65  | 93.65  | 97  | 60  | 37 | 47 | 12 |
| 47 T10-32 | 32 | EF   | AL   | 102.00 | 100.00 | 106 | 65  | 37 | 47 | 12 |
| 47 T10-36 | 36 | EF   | AL   | 114.75 | 112.75 | 119 | 70  | 37 | 47 | 16 |
| 47 T10-40 | 40 | EF   | AL   | 127.45 | 125.45 | 131 | 80  | 37 | 47 | 16 |
| 47 T10-44 | 44 | E    | AL   | 140.20 | 138.20 |     | 88  | 37 | 47 | 16 |
| 47 T10-48 | 48 | E    | AL   | 152.95 | 150.95 |     | 95  | 37 | 47 | 16 |
| 47 T10-60 | 60 | E    | AL   | 191.15 | 189.10 |     | 110 | 37 | 47 | 16 |

**T10 (PITCH=10mm ) FOR (BELT WIDTH=50mm)**

| CODE      | Z  | Type | MAT. | Od     | De     | Df  | d3  | W  | H  | d  |
|-----------|----|------|------|--------|--------|-----|-----|----|----|----|
| 66 T10-18 | 18 | EF   | AL   | 57.45  | 55.45  | 60  | 40  | 56 | 66 | 10 |
| 66 T10-19 | 19 | EF   | AL   | 60.65  | 58.65  | 66  | 44  | 56 | 66 | 10 |
| 66 T10-20 | 20 | EF   | AL   | 63.80  | 61.80  | 66  | 46  | 56 | 66 | 12 |
| 66 T10-22 | 22 | EF   | AL   | 70.20  | 68.20  | 75  | 52  | 56 | 66 | 12 |
| 66 T10-24 | 24 | EF   | AL   | 76.55  | 74.55  | 83  | 58  | 56 | 66 | 12 |
| 66 T10-25 | 25 | EF   | AL   | 79.55  | 77.70  | 83  | 60  | 56 | 66 | 12 |
| 66 T10-26 | 26 | EF   | AL   | 82.90  | 80.90  | 87  | 60  | 56 | 66 | 12 |
| 66 T10-27 | 27 | EF   | AL   | 86.10  | 84.10  | 91  | 60  | 56 | 66 | 12 |
| 66 T10-28 | 28 | EF   | AL   | 89.25  | 87.25  | 93  | 60  | 56 | 66 | 12 |
| 66 T10-30 | 30 | EF   | AL   | 95.65  | 93.65  | 97  | 60  | 56 | 66 | 12 |
| 66 T10-32 | 32 | EF   | AL   | 102.00 | 100.00 | 106 | 65  | 56 | 66 | 12 |
| 66 T10-36 | 36 | EF   | AL   | 114.75 | 112.75 | 119 | 70  | 56 | 66 | 16 |
| 66 T10-40 | 40 | EF   | AL   | 127.45 | 125.45 | 131 | 80  | 56 | 66 | 16 |
| 66 T10-44 | 44 | E    | AL   | 140.20 | 138.20 |     | 88  | 56 | 66 | 16 |
| 66 T10-48 | 48 | E    | AL   | 152.95 | 150.95 |     | 95  | 56 | 66 | 16 |
| 66 T10-60 | 60 | E    | AL   | 191.15 | 189.10 |     | 110 | 56 | 66 | 16 |





**AT5 (PITCH=5mm)**

| CODE     | Z  | Type | MAT. | De    | Df    | d3 | W  | H  | d |
|----------|----|------|------|-------|-------|----|----|----|---|
| 21AT5-12 | 12 | EF   | AL   | 17.85 | 23.00 | 11 | 15 | 21 |   |
| 21AT5-14 | 14 | EF   | AL   | 21.05 | 25.00 | 14 | 15 | 21 |   |
| 21AT5-15 | 15 | EF   | AL   | 22.65 | 28.00 | 16 | 15 | 21 |   |
| 21AT5-16 | 16 | EF   | AL   | 24.20 | 32.00 | 18 | 15 | 21 |   |
| 21AT5-18 | 18 | EF   | AL   | 27.40 | 32.00 | 20 | 15 | 21 |   |
| 21AT5-19 | 19 | EF   | AL   | 29.00 | 36.00 | 22 | 15 | 21 |   |
| 21AT5-20 | 20 | EF   | AL   | 30.60 | 36.00 | 23 | 15 | 21 |   |
| 21AT5-22 | 22 | EF   | AL   | 33.85 | 38.00 | 24 | 15 | 21 |   |
| 21AT5-24 | 24 | EF   | AL   | 37.00 | 42.00 | 26 | 15 | 21 |   |
| 21AT5-25 | 25 | EF   | AL   | 38.60 | 44.00 | 26 | 15 | 21 |   |
| 21AT5-26 | 26 | EF   | AL   | 40.20 | 44.00 | 26 | 15 | 21 |   |
| 21AT5-27 | 27 | EF   | AL   | 41.80 | 48.00 | 30 | 15 | 21 | 8 |
| 21AT5-28 | 28 | EF   | AL   | 43.35 | 48.00 | 32 | 15 | 21 | 8 |
| 21AT5-30 | 30 | EF   | AL   | 46.55 | 51.00 | 34 | 15 | 21 | 8 |
| 21AT5-32 | 32 | EF   | AL   | 49.70 | 54.00 | 36 | 15 | 21 | 8 |
| 21AT5-36 | 36 | EF   | AL   | 56.05 | 64.00 | 38 | 15 | 21 | 8 |
| 21AT5-40 | 40 | EF   | AL   | 62.45 | 67.00 | 40 | 15 | 21 | 8 |
| 21AT5-42 | 42 | EF   | AL   | 65.60 | 70.00 | 40 | 15 | 21 | 8 |
| 21AT5-44 | 44 | E    | AL   | 68.80 |       | 45 | 15 | 21 | 8 |
| 21AT5-48 | 48 | E    | AL   | 75.15 |       | 50 | 15 | 21 | 8 |
| 21AT5-60 | 60 | E    | AL   | 94.25 |       | 65 | 15 | 21 | 8 |

**AT5 (PITCH=5mm)**

| CODE     | Z  | Type | MAT. | De    | Df    | d3 | W  | H  | d |
|----------|----|------|------|-------|-------|----|----|----|---|
| 27AT5-12 | 12 | EF   | AL   | 17.85 | 23.00 | 11 | 21 | 27 |   |
| 27AT5-14 | 14 | EF   | AL   | 21.05 | 25.00 | 14 | 21 | 27 |   |
| 27AT5-15 | 15 | EF   | AL   | 22.65 | 28.00 | 16 | 21 | 27 |   |
| 27AT5-16 | 16 | EF   | AL   | 24.20 | 32.00 | 18 | 21 | 27 |   |
| 27AT5-18 | 18 | EF   | AL   | 27.40 | 32.00 | 20 | 21 | 27 |   |
| 27AT5-19 | 19 | EF   | AL   | 29.00 | 36.00 | 22 | 21 | 27 |   |
| 27AT5-20 | 20 | EF   | AL   | 30.60 | 36.00 | 23 | 21 | 27 |   |
| 27AT5-22 | 22 | EF   | AL   | 33.85 | 38.00 | 24 | 21 | 27 |   |
| 27AT5-24 | 24 | EF   | AL   | 37.00 | 42.00 | 26 | 21 |    |   |
| 27AT5-25 | 25 | EF   | AL   | 38.60 | 44.00 | 26 | 21 | 27 |   |
| 27AT5-26 | 26 | EF   | AL   | 40.20 | 44.00 | 26 | 21 | 27 |   |
| 27AT5-27 | 27 | EF   | AL   | 41.80 | 48.00 | 30 | 21 | 27 | 8 |
| 27AT5-28 | 28 | EF   | AL   | 43.35 | 48.00 | 32 | 21 | 27 | 8 |

**AT5 (PITCH=5mm)**

| CODE     | Z  | Type | MAT. | De    | Df    | d3 | W  | H  | d |
|----------|----|------|------|-------|-------|----|----|----|---|
| 27AT5-30 | 30 | EF   | AL   | 46.55 | 51.00 | 34 | 21 | 27 | 8 |
| 27AT5-32 | 32 | EF   | AL   | 49.70 | 54.00 | 36 | 21 | 27 | 8 |
| 27AT5-36 | 36 | EF   | AL   | 56.05 | 64.00 | 38 | 21 | 27 | 8 |
| 27AT5-40 | 40 | EF   | AL   | 62.45 | 67.00 | 40 | 21 | 27 | 8 |
| 27AT5-42 | 42 | EF   | AL   | 65.60 | 70.00 | 40 | 21 | 27 | 8 |
| 27AT5-44 | 44 | E    | AL   | 68.80 |       | 45 | 21 | 27 | 8 |
| 27AT5-48 | 48 | E    | AL   | 75.15 |       | 50 | 21 | 27 | 8 |
| 27AT5-60 | 60 | E    | AL   | 94.25 |       | 65 | 21 | 27 | 8 |

**AT5 (PITCH=5mm)**

| CODE     | Z  | Type | MAT. | De    | Df    | d3 | W  | H  | d |
|----------|----|------|------|-------|-------|----|----|----|---|
| 36AT5-12 | 12 | EF   | AL   | 17.85 | 23.00 | 11 | 30 | 36 |   |
| 36AT5-14 | 14 | EF   | AL   | 21.05 | 25.00 | 14 | 30 | 36 |   |
| 36AT5-15 | 15 | EF   | AL   | 22.65 | 28.00 | 16 | 30 | 36 |   |
| 36AT5-16 | 16 | EF   | AL   | 24.20 | 32.00 | 18 | 30 | 36 |   |
| 36AT5-18 | 18 | EF   | AL   | 27.40 | 32.00 | 20 | 30 | 36 |   |
| 36AT5-19 | 19 | EF   | AL   | 29.00 | 36.00 | 22 | 30 | 36 |   |
| 36AT5-20 | 20 | EF   | AL   | 30.60 | 36.00 | 23 | 30 | 36 |   |
| 36AT5-22 | 22 | EF   | AL   | 33.85 | 38.00 | 24 | 30 | 36 |   |
| 36AT5-24 | 24 | EF   | AL   | 37.00 | 42.00 | 26 | 30 | 36 |   |
| 36AT5-25 | 25 | EF   | AL   | 38.60 | 44.00 | 26 | 30 | 36 |   |
| 36AT5-26 | 26 | EF   | AL   | 40.20 | 44.00 | 26 | 30 | 36 |   |
| 36AT5-27 | 27 | EF   | AL   | 41.80 | 48.00 | 30 | 30 | 36 | 8 |
| 36AT5-28 | 28 | EF   | AL   | 43.35 | 48.00 | 32 | 30 | 36 | 8 |
| 36AT5-30 | 30 | EF   | AL   | 46.55 | 51.00 | 34 | 30 | 36 | 8 |
| 36AT5-32 | 32 | EF   | AL   | 49.70 | 54.00 | 36 | 30 | 36 | 8 |
| 36AT5-36 | 36 | EF   | AL   | 56.05 | 64.00 | 38 | 30 | 36 | 8 |
| 36AT5-40 | 40 | EF   | AL   | 62.45 | 67.00 | 40 | 30 | 36 | 8 |
| 36AT5-42 | 42 | EF   | AL   | 65.60 | 70.00 | 40 | 30 | 36 | 8 |
| 36AT5-44 | 44 | E    | AL   | 68.80 |       | 45 | 30 | 36 | 8 |
| 36AT5-48 | 48 | E    | AL   | 75.15 |       | 50 | 30 | 36 | 8 |
| 36AT5-60 | 60 | E    | AL   | 94.25 |       | 65 | 30 | 36 | 8 |

**AT10 (PITCH=10mm)**

| CODE      | Z  | Type | MAT. | De     | Df     | d3  | W  | H  | d  |
|-----------|----|------|------|--------|--------|-----|----|----|----|
| 31AT10-15 | 15 | EF   | AL   | 45.90  | 51.00  | 31  | 21 | 31 | 8  |
| 31AT10-16 | 16 | EF   | AL   | 49.50  | 54.00  | 35  | 21 | 31 | 8  |
| 31AT10-18 | 18 | EF   | AL   | 55.45  | 60.00  | 40  | 21 | 31 | 8  |
| 31AT10-19 | 19 | EF   | AL   | 58.60  | 66.00  | 44  | 21 | 31 | 8  |
| 31AT10-20 | 20 | EF   | AL   | 61.80  | 66.00  | 46  | 21 | 31 | 8  |
| 31AT10-22 | 22 | EF   | AL   | 68.15  | 75.00  | 52  | 21 | 31 | 8  |
| 31AT10-24 | 24 | EF   | AL   | 74.55  | 83.00  | 58  | 21 | 31 | 8  |
| 31AT10-25 | 25 | EF   | AL   | 77.70  | 83.00  | 60  | 21 | 31 | 8  |
| 31AT10-26 | 26 | EF   | AL   | 80.90  | 87.00  | 60  | 21 | 31 | 8  |
| 31AT10-27 | 27 | EF   | AL   | 84.10  | 91.00  | 60  | 21 | 31 | 8  |
| 31AT10-28 | 28 | EF   | AL   | 87.25  | 93.00  | 60  | 21 | 31 | 8  |
| 31AT10-30 | 30 | EF   | AL   | 93.65  | 97.00  | 60  | 21 | 31 | 8  |
| 31AT10-32 | 32 | EF   | AL   | 100.00 | 106.00 | 65  | 21 | 31 | 10 |
| 31AT10-36 | 36 | EF   | AL   | 112.75 | 119.00 | 70  | 21 | 31 | 10 |
| 31AT10-40 | 40 | EF   | AL   | 125.45 | 131.00 | 80  | 21 | 31 | 10 |
| 31AT10-44 | 44 | E    | AL   | 138.20 |        | 88  | 21 | 31 | 10 |
| 31AT10-48 | 48 | E    | AL   | 150.95 |        | 95  | 21 | 31 | 16 |
| 31AT10-60 | 60 | E    | AL   | 189.10 |        | 110 | 21 | 31 | 16 |

**AT10 (PITCH=10mm)**

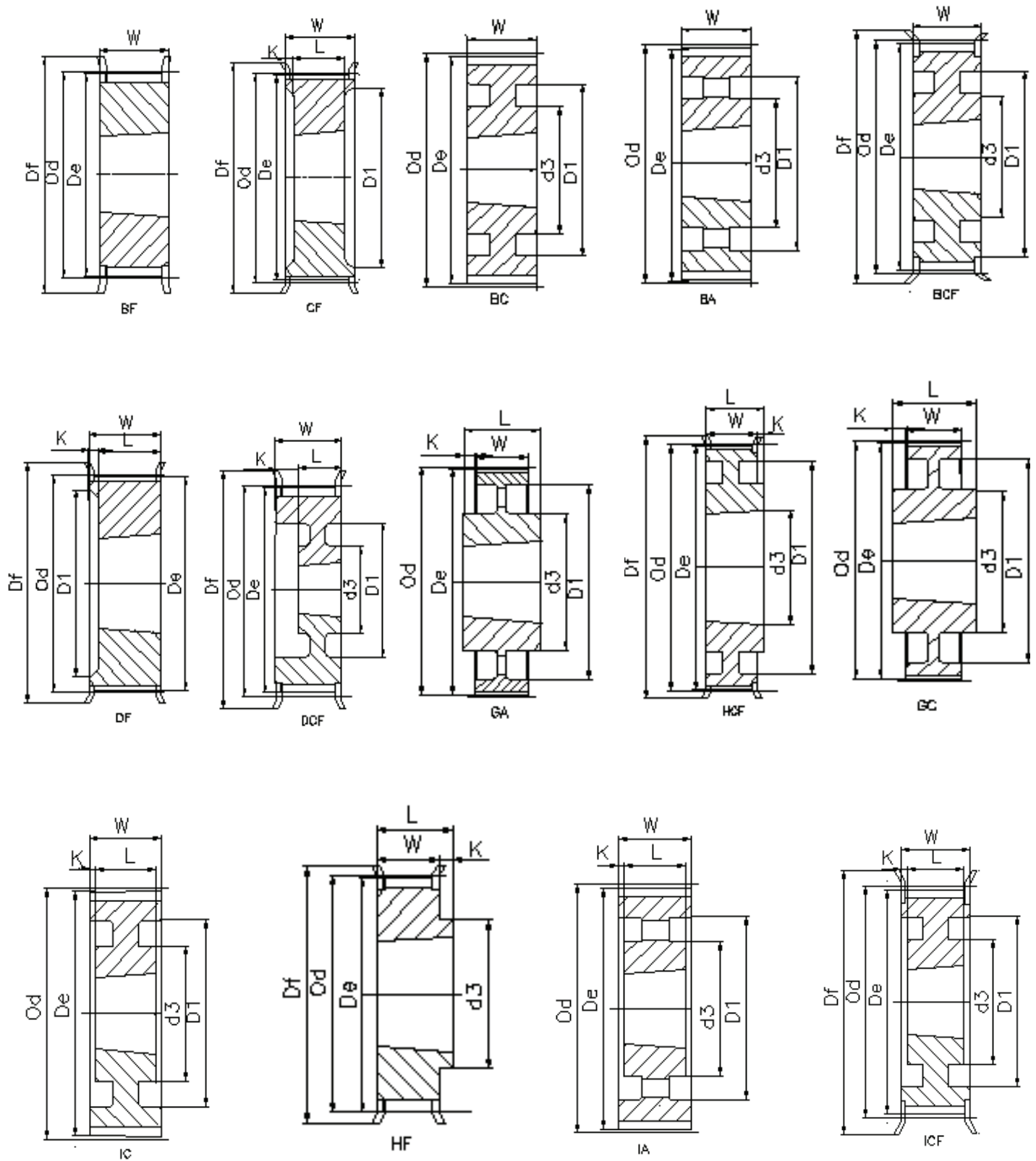
| CODE      | Z  | Type | MAT. | De     | Df     | d3  | W  | H  | d  |
|-----------|----|------|------|--------|--------|-----|----|----|----|
| 40AT10-15 | 15 | EF   | AL   | 45.90  | 51.00  | 31  | 30 | 40 | 8  |
| 40AT10-16 | 16 | EF   | AL   | 49.50  | 54.00  | 35  | 30 | 40 | 8  |
| 40AT10-18 | 18 | EF   | AL   | 55.45  | 60.00  | 40  | 30 | 40 | 8  |
| 40AT10-19 | 19 | EF   | AL   | 58.60  | 66.00  | 44  | 30 | 40 | 8  |
| 40AT10-20 | 20 | EF   | AL   | 61.80  | 66.00  | 46  | 30 | 40 | 8  |
| 40AT10-22 | 22 | EF   | AL   | 68.15  | 75.00  | 52  | 30 | 40 | 8  |
| 40AT10-24 | 24 | EF   | AL   | 74.55  | 83.00  | 58  | 30 | 40 | 8  |
| 40AT10-25 | 25 | EF   | AL   | 77.70  | 83.00  | 60  | 30 | 40 | 8  |
| 40AT10-26 | 26 | EF   | AL   | 80.90  | 87.00  | 60  | 30 | 40 | 8  |
| 40AT10-27 | 27 | EF   | AL   | 84.10  | 91.00  | 60  | 30 | 40 | 8  |
| 40AT10-28 | 28 | EF   | AL   | 87.25  | 93.00  | 60  | 30 | 40 | 8  |
| 40AT10-30 | 30 | EF   | AL   | 93.65  | 97.00  | 60  | 30 | 40 | 8  |
| 40AT10-32 | 32 | EF   | AL   | 100.00 | 106.00 | 65  | 30 | 40 | 10 |
| 40AT10-36 | 36 | EF   | AL   | 112.75 | 119.00 | 70  | 30 | 40 | 10 |
| 40AT10-40 | 40 | EF   | AL   | 125.45 | 131.00 | 80  | 30 | 40 | 10 |
| 40AT10-44 | 44 | E    | AL   | 138.20 |        | 88  | 30 | 40 | 10 |
| 40AT10-48 | 48 | E    | AL   | 150.95 |        | 95  | 30 | 40 | 16 |
| 40AT10-60 | 60 | E    | AL   | 189.10 |        | 110 | 30 | 40 | 16 |

**AT10 (PITCH=10mm)**

| CODE      | Z  | Type | MAT. | De     | Df     | d3  | W  | H  | d  |
|-----------|----|------|------|--------|--------|-----|----|----|----|
| 47AT10-18 | 18 | EF   | AL   | 55.45  | 60.00  | 40  | 37 | 47 | 10 |
| 47AT10-19 | 19 | EF   | AL   | 58.60  | 66.00  | 44  | 37 | 47 | 10 |
| 47AT10-20 | 20 | EF   | AL   | 61.80  | 66.00  | 46  | 37 | 47 | 12 |
| 47AT10-22 | 22 | EF   | AL   | 68.15  | 75.00  | 52  | 37 | 47 | 12 |
| 47AT10-24 | 24 | EF   | AL   | 74.55  | 83.00  | 58  | 37 | 47 | 12 |
| 47AT10-25 | 25 | EF   | AL   | 77.70  | 83.00  | 60  | 37 | 47 | 12 |
| 47AT10-26 | 26 | EF   | AL   | 80.90  | 87.00  | 60  | 37 | 47 | 12 |
| 47AT10-27 | 27 | EF   | AL   | 84.10  | 91.00  | 60  | 37 | 47 | 12 |
| 47AT10-28 | 28 | EF   | AL   | 87.25  | 93.00  | 60  | 37 | 47 | 12 |
| 47AT10-30 | 30 | EF   | AL   | 93.65  | 97.00  | 60  | 37 | 47 | 12 |
| 47AT10-32 | 32 | EF   | AL   | 100.00 | 106.00 | 65  | 37 | 47 | 12 |
| 47AT10-36 | 36 | EF   | AL   | 112.75 | 119.00 | 70  | 37 | 47 | 16 |
| 47AT10-40 | 40 | EF   | AL   | 125.45 | 131.00 | 80  | 37 | 47 | 16 |
| 47AT10-44 | 44 | E    | AL   | 138.20 |        | 88  | 37 | 47 | 16 |
| 47AT10-48 | 48 | E    | AL   | 150.95 |        | 95  | 37 | 47 | 16 |
| 47AT10-60 | 60 | E    | AL   | 189.10 |        | 110 | 37 | 47 | 16 |

**AT10 (PITCH=10mm)**

| CODE      | Z  | Type | MAT. | De     | Df     | d3  | W  | H  | d  |
|-----------|----|------|------|--------|--------|-----|----|----|----|
| 66AT10-18 | 18 | EF   | AL   | 55.45  | 60.00  | 40  | 56 | 66 | 10 |
| 66AT10-19 | 19 | EF   | AL   | 58.60  | 66.00  | 44  | 56 | 66 | 10 |
| 66AT10-20 | 20 | EF   | AL   | 61.80  | 66.00  | 46  | 56 | 66 | 12 |
| 66AT10-22 | 22 | EF   | AL   | 68.15  | 75.00  | 52  | 56 | 66 | 12 |
| 66AT10-24 | 24 | EF   | AL   | 74.55  | 83.00  | 58  | 56 | 66 | 12 |
| 66AT10-25 | 25 | EF   | AL   | 77.70  | 83.00  | 60  | 56 | 66 | 12 |
| 66AT10-26 | 26 | EF   | AL   | 80.90  | 87.00  | 60  | 56 | 66 | 12 |
| 66AT10-27 | 27 | EF   | AL   | 84.10  | 91.00  | 60  | 56 | 66 | 12 |
| 66AT10-28 | 28 | EF   | AL   | 87.25  | 93.00  | 60  | 56 | 66 | 12 |
| 66AT10-30 | 30 | EF   | AL   | 93.65  | 97.00  | 60  | 56 | 66 | 12 |
| 66AT10-32 | 32 | EF   | AL   | 100.00 | 106.00 | 65  | 56 | 66 | 12 |
| 66AT10-36 | 36 | EF   | AL   | 112.75 | 119.00 | 70  | 56 | 66 | 16 |
| 66AT10-40 | 40 | EF   | AL   | 125.45 | 131.00 | 80  | 56 | 66 | 16 |
| 66AT10-44 | 44 | E    | AL   | 138.20 |        | 88  | 56 | 66 | 16 |
| 66AT10-48 | 48 | E    | AL   | 150.95 |        | 95  | 56 | 66 | 16 |
| 66AT10-60 | 60 | E    | AL   | 189.10 |        | 110 | 56 | 66 | 16 |



**L050-3/8"(9.525mm)**

| CODE      | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df    | d3  | D1  | W  | L  | K   |
|-----------|-----|------|-----------|----------|--------|--------|-------|-----|-----|----|----|-----|
| TL18L050F | 18  | HF   | STEEL     | 1108     | 54.57  | 53.81  | 60.0  | 45  |     | 19 | 22 | 3.0 |
| TL19L050F | 19  | HF   | STEEL     | 1108     | 57.61  | 56.84  | 64.0  | 45  |     | 19 | 22 | 3.0 |
| TL20L050F | 20  | HF   | STEEL     | 1108     | 60.64  | 59.88  | 66.5  | 48  |     | 19 | 22 | 3.0 |
| TL21L050F | 21  | HF   | STEEL     | 1108     | 63.67  | 62.91  | 70.0  | 48  |     | 19 | 22 | 3.0 |
| TL22L050F | 22  | HF   | STEEL     | 1108     | 66.70  | 65.94  | 75.0  | 51  |     | 19 | 22 | 3.0 |
| TL23L050F | 23  | HF   | STEEL     | 1108     | 69.73  | 68.97  | 79.0  | 54  |     | 19 | 22 | 3.0 |
| TL24L050F | 24  | HF   | STEEL     | 1108     | 72.77  | 72.00  | 79.0  | 54  |     | 19 | 22 | 3.0 |
| TL25L050F | 25  | HF   | STEEL     | 1108     | 75.80  | 75.04  | 82.5  | 56  |     | 19 | 22 | 3.0 |
| TL26L050F | 26  | HF   | STEEL     | 1108     | 78.83  | 78.07  | 86.0  | 60  |     | 19 | 22 | 3.0 |
| TL27L050F | 27  | HF   | STEEL     | 1108     | 81.86  | 81.10  | 86.0  | 62  |     | 19 | 22 | 3.0 |
| TL28L050F | 28  | HF   | STEEL     | 1108     | 84.89  | 84.13  | 91.0  | 65  |     | 19 | 22 | 3.0 |
| TL30L050F | 30  | HF   | STEEL     | 1108     | 90.96  | 90.20  | 97.0  | 70  |     | 19 | 22 | 3.0 |
| TL32L050F | 32  | HF   | STEEL     | 1108     | 97.02  | 96.26  | 102.0 | 74  |     | 19 | 22 | 3.0 |
| TL36L050F | 36  | HF   | STEEL     | 1108     | 109.15 | 108.39 | 115.0 | 85  |     | 19 | 22 | 3.0 |
| TL40L050F | 40  | HF   | STEEL     | 1610     | 121.28 | 120.51 | 128.0 | 88  |     | 19 | 25 | 6.0 |
| TL44L050F | 44  | HCF  | STEEL     | 1610     | 133.40 | 132.64 | 142.0 | 88  | 110 | 19 | 25 | 6.0 |
| TL48L050F | 48  | HCF  | STEEL     | 1610     | 145.53 | 144.77 | 150.0 | 88  | 120 | 19 | 25 | 6.0 |
| TL60L050  | 60  | GC   | STEEL     | 1610     | 181.91 | 181.15 |       | 92  | 166 | 19 | 25 | 3.0 |
| TL72L050  | 72  | GA   | CAST IRON | 1610     | 218.30 | 217.53 |       | 92  | 202 | 19 | 25 | 3.0 |
| TL84L050  | 84  | GA   | CAST IRON | 1610     | 254.68 | 253.90 |       | 92  | 236 | 19 | 25 | 3.0 |
| TL96L050  | 96  | GA   | CAST IRON | 2012     | 291.06 | 290.30 |       | 106 | 270 | 19 | 32 | 6.5 |
| TL120L050 | 120 | GA   | CAST IRON | 2012     | 363.83 | 363.07 |       | 106 | 343 | 19 | 32 | 6.5 |

**L075-3/8"(9.525mm)**

| CODE      | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df    | d3  | D1  | W  | L  | K   |
|-----------|-----|------|-----------|----------|--------|--------|-------|-----|-----|----|----|-----|
| TL18L075F | 18  | BF   | STEEL     | 1108     | 54.57  | 53.81  | 60.0  |     |     | 25 | 25 |     |
| TL19L075F | 19  | BF   | STEEL     | 1108     | 57.61  | 56.84  | 64.0  |     |     | 25 | 25 |     |
| TL20L075F | 20  | BF   | STEEL     | 1108     | 60.64  | 59.88  | 66.5  |     |     | 25 | 25 |     |
| TL21L075F | 21  | BF   | STEEL     | 1108     | 63.67  | 62.91  | 70.0  |     |     | 25 | 25 |     |
| TL22L075F | 22  | BF   | STEEL     | 1108     | 66.70  | 65.94  | 75.0  |     |     | 25 | 25 |     |
| TL23L075F | 23  | BF   | STEEL     | 1108     | 69.73  | 68.97  | 79.0  |     |     | 25 | 25 |     |
| TL24L075F | 24  | BF   | STEEL     | 1108     | 72.77  | 72.00  | 79.0  |     |     | 25 | 25 |     |
| TL25L075F | 25  | BF   | STEEL     | 1108     | 75.80  | 75.04  | 82.5  |     |     | 25 | 25 |     |
| TL26L075F | 26  | BF   | STEEL     | 1108     | 78.83  | 78.07  | 86.0  |     |     | 25 | 25 |     |
| TL27L075F | 27  | BF   | STEEL     | 1108     | 81.86  | 81.10  | 86.0  |     |     | 25 | 25 |     |
| TL28L075F | 28  | BF   | STEEL     | 1108     | 84.89  | 84.13  | 91.0  |     |     | 25 | 25 |     |
| TL30L075F | 30  | BF   | STEEL     | 1108     | 90.96  | 90.20  | 97.0  |     |     | 25 | 25 |     |
| TL32L075F | 32  | BF   | STEEL     | 1108     | 97.02  | 96.26  | 102.0 |     |     | 25 | 25 |     |
| TL36L075F | 36  | BF   | STEEL     | 1610     | 109.15 | 108.39 | 115.0 |     |     | 25 | 25 |     |
| TL40L075F | 40  | BF   | STEEL     | 1610     | 121.28 | 120.51 | 128.0 |     |     | 25 | 25 |     |
| TL44L075F | 44  | BCF  | STEEL     | 1610     | 133.40 | 132.64 | 142.0 | 90  | 110 | 25 | 25 |     |
| TL48L075F | 48  | BCF  | STEEL     | 1610     | 145.53 | 144.77 | 150.0 | 92  | 120 | 25 | 25 |     |
| TL60L075  | 60  | BC   | STEEL     | 1610     | 181.91 | 181.15 |       | 92  | 166 | 25 | 25 |     |
| TL72L075  | 72  | BA   | CAST IRON | 1610     | 218.30 | 217.53 |       | 92  | 202 | 25 | 25 |     |
| TL84L075  | 84  | GA   | CAST IRON | 2012     | 254.68 | 253.90 |       | 92  | 236 | 25 | 32 | 3.5 |
| TL96L075  | 96  | GA   | CAST IRON | 2012     | 291.06 | 290.30 |       | 106 | 270 | 25 | 32 | 3.5 |
| TL120L075 | 120 | GA   | CAST IRON | 2012     | 363.83 | 363.07 |       | 106 | 343 | 25 | 32 | 3.5 |

**L100-3/8"(9.525mm)**

| CODE     | Z  | Type | MAT.  | BUSH NO. | Od    | De    | Df   | d3 | D1 | W  | L  | K |
|----------|----|------|-------|----------|-------|-------|------|----|----|----|----|---|
| TL18L100 | 18 | DF   | STEEL | 1108     | 54.57 | 53.81 | 60.0 |    | 38 | 31 | 22 | 9 |
| TL19L100 | 19 | DF   | STEEL | 1108     | 57.61 | 56.84 | 64.0 |    | 38 | 31 | 22 | 9 |
| TL20L100 | 20 | DF   | STEEL | 1108     | 60.64 | 59.88 | 66.5 |    | 45 | 31 | 22 | 9 |
| TL21L100 | 21 | DF   | STEEL | 1108     | 63.67 | 62.91 | 70.0 |    | 45 | 31 | 22 | 9 |

**L100-3/8"(9.525mm)**

| CODE      | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df    | d3  | D1  | W  | L  | K    |
|-----------|-----|------|-----------|----------|--------|--------|-------|-----|-----|----|----|------|
| TL22L100  | 22  | DF   | STEEL     | 1108     | 66.70  | 65.94  | 75.0  |     | 48  | 31 | 22 | 9.0  |
| TL23L100  | 23  | DF   | STEEL     | 1108     | 69.73  | 68.97  | 79.0  |     | 52  | 32 | 22 | 10.0 |
| TL24L100  | 24  | DF   | STEEL     | 1108     | 72.77  | 72.00  | 79.0  |     | 52  | 32 | 22 | 10.0 |
| TL25L100  | 25  | DF   | STEEL     | 1108     | 75.80  | 75.04  | 82.5  |     | 54  | 32 | 22 | 10.0 |
| TL26L100  | 26  | DF   | STEEL     | 1108     | 78.83  | 78.07  | 86.0  |     | 60  | 32 | 22 | 10.0 |
| TL27L100  | 27  | DF   | STEEL     | 1108     | 81.86  | 81.10  | 86.0  |     | 60  | 32 | 22 | 10.0 |
| TL28L100  | 28  | DF   | STEEL     | 1108     | 84.89  | 84.13  | 91.0  |     | 65  | 32 | 22 | 10.0 |
| TL30L100  | 30  | DF   | STEEL     | 1210     | 90.96  | 90.20  | 97.0  |     | 71  | 32 | 25 | 7.0  |
| TL32L100  | 32  | DF   | STEEL     | 1210     | 97.02  | 96.26  | 102.0 |     | 75  | 32 | 25 | 7.0  |
| TL36L100  | 36  | DF   | STEEL     | 1610     | 109.15 | 108.39 | 115.0 |     | 86  | 32 | 25 | 7.0  |
| TL40L100  | 40  | DF   | STEEL     | 1610     | 121.28 | 120.51 | 128.0 |     | 96  | 32 | 25 | 7.0  |
| TL44L100  | 44  | DCF  | STEEL     | 1610     | 133.40 | 132.64 | 142.0 | 90  | 110 | 32 | 25 | 7.0  |
| TL48L100  | 48  | DCF  | STEEL     | 1610     | 145.53 | 144.77 | 150.0 | 92  | 120 | 32 | 25 | 7.0  |
| TL60L100  | 60  | IC   | STEEL     | 1610     | 181.91 | 181.15 |       | 92  | 166 | 32 | 25 | 3.5  |
| TL72L100  | 72  | BA   | CAST IRON | 2012     | 218.30 | 217.53 |       | 92  | 202 | 32 | 32 | 0.0  |
| TL84L100  | 84  | BA   | CAST IRON | 2012     | 254.68 | 253.90 |       | 92  | 236 | 32 | 32 | 0.0  |
| TL96L100  | 96  | BA   | CAST IRON | 2012     | 291.06 | 290.30 |       | 106 | 270 | 32 | 32 | 0.0  |
| TL120L100 | 120 | BA   | CAST IRON | 2012     | 363.83 | 363.07 |       | 106 | 343 | 32 | 32 | 0.0  |

**H100-1/2"(12.7mm)**

| CODE      | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df    | d3  | D1  | W  | L  | K   |
|-----------|-----|------|-----------|----------|--------|--------|-------|-----|-----|----|----|-----|
| TL16H100  | 16  | DF   | STEEL     | 1108     | 64.68  | 63.31  | 70.0  |     | 45  | 31 | 22 | 9.0 |
| TL18H100  | 18  | DF   | STEEL     | 1210     | 72.77  | 71.39  | 79.0  |     | 52  | 31 | 25 | 6.0 |
| TL19H100  | 19  | DF   | STEEL     | 1210     | 76.81  | 75.44  | 82.5  |     | 56  | 31 | 25 | 6.0 |
| TL20H100  | 20  | DF   | STEEL     | 1210     | 80.85  | 79.48  | 87.0  |     | 60  | 31 | 25 | 6.0 |
| TL21H100  | 21  | DF   | STEEL     | 1210     | 84.89  | 83.52  | 91.0  |     | 64  | 32 | 25 | 7.0 |
| TL22H100  | 22  | DF   | STEEL     | 1210     | 88.94  | 87.56  | 94.0  |     | 67  | 32 | 25 | 7.0 |
| TL23H100  | 23  | DF   | STEEL     | 1610     | 92.98  | 91.61  | 97.0  |     | 70  | 32 | 25 | 7.0 |
| TL24H100  | 24  | DF   | STEEL     | 1610     | 97.02  | 95.65  | 102.0 |     | 74  | 32 | 25 | 7.0 |
| TL25H100  | 25  | DF   | STEEL     | 1610     | 101.06 | 99.69  | 106.0 |     | 77  | 32 | 25 | 7.0 |
| TL26H100  | 26  | DF   | STEEL     | 1610     | 105.11 | 103.73 | 112.0 |     | 82  | 32 | 25 | 7.0 |
| TL27H100  | 27  | DF   | STEEL     | 1610     | 109.15 | 107.78 | 115.0 |     | 85  | 32 | 25 | 7.0 |
| TL28H100  | 28  | DF   | STEEL     | 1610     | 113.19 | 111.82 | 120.0 |     | 90  | 32 | 25 | 7.0 |
| TL30H100  | 30  | DF   | STEEL     | 1610     | 121.28 | 111.90 | 128.0 |     | 98  | 32 | 25 | 7.0 |
| TL32H100  | 32  | DCF  | STEEL     | 1610     | 129.36 | 127.99 | 135.0 | 80  | 106 | 32 | 25 | 7.0 |
| TL36H100  | 36  | DCF  | STEEL     | 1610     | 145.53 | 144.16 | 150.0 | 92  | 121 | 32 | 25 | 7.0 |
| TL40H100  | 40  | DCF  | STEEL     | 1610     | 161.70 | 160.33 | 168.0 | 92  | 138 | 32 | 25 | 7.0 |
| TL44H100  | 44  | BCF  | STEEL     | 2012     | 177.87 | 176.50 | 184.0 | 106 | 152 | 32 | 32 | 0.0 |
| TL48H100  | 48  | BCF  | STEEL     | 2012     | 194.04 | 192.67 | 200.0 | 106 | 169 | 32 | 32 | 0.0 |
| TL60H100  | 60  | IA   | CAST IRON | 2012     | 242.55 | 241.18 |       | 92  | 223 | 34 | 32 | 1.0 |
| TL72H100  | 72  | IA   | CAST IRON | 2012     | 291.06 | 289.69 |       | 92  | 270 | 34 | 32 | 1.0 |
| TL84H100  | 84  | IA   | CAST IRON | 2012     | 339.57 | 338.20 |       | 92  | 318 | 34 | 32 | 1.0 |
| TL96H100  | 96  | GA   | CAST IRON | 2517     | 388.08 | 386.71 |       | 106 | 366 | 34 | 45 | 5.5 |
| TL120H100 | 120 | GA   | CAST IRON | 2517     | 485.10 | 483.73 |       | 106 | 462 | 34 | 45 | 5.5 |

**H150-1/2"(12.7mm)**

| CODE     | Z  | Type | MAT.  | BUSH NO. | Od     | De    | Df    | d3 | D1 | W  | L  | K  |
|----------|----|------|-------|----------|--------|-------|-------|----|----|----|----|----|
| TL18H150 | 18 | DF   | STEEL | 1210     | 72.77  | 71.39 | 79.0  |    | 52 | 45 | 25 | 20 |
| TL19H150 | 19 | DF   | STEEL | 1210     | 76.81  | 75.44 | 82.5  |    | 56 | 45 | 25 | 20 |
| TL20H150 | 20 | DF   | STEEL | 1210     | 80.85  | 79.48 | 87.0  |    | 60 | 45 | 25 | 20 |
| TL21H150 | 21 | DF   | STEEL | 1210     | 84.89  | 83.52 | 91.0  |    | 64 | 45 | 25 | 20 |
| TL22H150 | 22 | DF   | STEEL | 1210     | 88.94  | 87.56 | 94.0  |    | 67 | 45 | 25 | 20 |
| TL23H150 | 23 | DF   | STEEL | 1610     | 92.98  | 91.61 | 97.0  |    | 70 | 45 | 25 | 20 |
| TL24H150 | 24 | DF   | STEEL | 1610     | 97.02  | 95.65 | 102.0 |    | 74 | 45 | 25 | 20 |
| TL25H150 | 25 | DF   | STEEL | 1610     | 101.06 | 99.69 | 106.0 |    | 77 | 45 | 25 | 20 |

**H150-1/2"(12.7mm)**

| CODE      | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K    |
|-----------|-----|------|-----------|----------|--------|--------|-----|-----|-----|----|----|------|
| TL26H150  | 26  | DF   | STEEL     | 1610     | 105.11 | 103.73 | 112 |     | 82  | 45 | 25 | 20.0 |
| TL27H150  | 27  | DF   | STEEL     | 1610     | 109.15 | 107.78 | 115 |     | 85  | 45 | 25 | 20.0 |
| TL28H150  | 28  | DF   | STEEL     | 1610     | 113.19 | 111.82 | 120 |     | 90  | 45 | 25 | 20.0 |
| TL30H150  | 30  | DF   | STEEL     | 1610     | 121.28 | 111.90 | 128 |     | 98  | 45 | 25 | 20.0 |
| TL32H150  | 32  | DCF  | STEEL     | 1610     | 129.36 | 127.99 | 135 | 80  | 106 | 45 | 25 | 20.0 |
| TL36H150  | 36  | DCF  | STEEL     | 1610     | 145.53 | 144.16 | 150 | 92  | 121 | 45 | 25 | 20.0 |
| TL40H150  | 40  | DCF  | STEEL     | 1610     | 161.70 | 160.33 | 168 | 92  | 138 | 45 | 25 | 20.0 |
| TL44H150  | 44  | DCF  | STEEL     | 2012     | 177.87 | 176.05 | 184 | 106 | 152 | 45 | 32 | 13.0 |
| TL48H150  | 48  | DCF  | STEEL     | 2012     | 194.04 | 192.67 | 200 | 106 | 169 | 45 | 32 | 13.0 |
| TL60H150  | 60  | IA   | CAST IRON | 2012     | 242.55 | 241.18 |     | 92  | 223 | 46 | 32 | 7.5  |
| TL72H150  | 72  | IA   | CAST IRON | 2012     | 291.06 | 289.69 |     | 92  | 270 | 46 | 32 | 7.5  |
| TL84H150  | 84  | IA   | CAST IRON | 2012     | 339.57 | 338.20 |     | 92  | 318 | 46 | 32 | 7.5  |
| TL96H150  | 96  | IA   | CAST IRON | 2517     | 388.08 | 386.71 |     | 106 | 366 | 46 | 45 | 0.5  |
| TL120H150 | 120 | IA   | CAST IRON | 2517     | 485.10 | 483.73 |     | 106 | 462 | 46 | 45 | 0.5  |

**H200-1/2"(12.7mm)**

| CODE      | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df    | d3  | D1  | W  | L  | K    |
|-----------|-----|------|-----------|----------|--------|--------|-------|-----|-----|----|----|------|
| TL18H200  | 18  | DF   | STEEL     | 1210     | 72.77  | 71.39  | 79.0  |     | 52  | 58 | 25 | 33.0 |
| TL19H200  | 19  | DF   | STEEL     | 1210     | 76.81  | 75.44  | 82.5  |     | 56  | 58 | 25 | 33.0 |
| TL20H200  | 20  | DF   | STEEL     | 1610     | 80.85  | 79.48  | 87.0  |     | 60  | 58 | 25 | 33.0 |
| TL21H200  | 21  | DF   | STEEL     | 1610     | 84.89  | 83.52  | 91.0  |     | 64  | 58 | 25 | 33.0 |
| TL22H200  | 22  | DF   | STEEL     | 1610     | 88.94  | 87.56  | 94.0  |     | 67  | 58 | 25 | 33.0 |
| TL23H200  | 23  | DF   | STEEL     | 1610     | 92.98  | 91.61  | 97.0  |     | 70  | 58 | 25 | 33.0 |
| TL24H200  | 24  | DF   | STEEL     | 1610     | 97.02  | 95.65  | 102.0 |     | 74  | 58 | 25 | 33.0 |
| TL25H200  | 25  | DF   | STEEL     | 1610     | 101.06 | 99.69  | 106.0 |     | 77  | 58 | 25 | 33.0 |
| TL26H200  | 26  | DF   | STEEL     | 1610     | 105.11 | 103.73 | 112.0 |     | 82  | 58 | 25 | 33.0 |
| TL27H200  | 27  | DF   | STEEL     | 1610     | 109.15 | 107.78 | 115.0 |     | 85  | 58 | 25 | 33.0 |
| TL28H200  | 28  | DF   | STEEL     | 1610     | 113.19 | 111.82 | 120.0 |     | 90  | 58 | 25 | 33.0 |
| TL30H200  | 30  | DF   | STEEL     | 1610     | 121.28 | 111.9  | 128.0 |     | 98  | 58 | 25 | 33.0 |
| TL32H200  | 32  | DF   | STEEL     | 2012     | 129.36 | 127.99 | 135.0 |     | 106 | 58 | 32 | 26.0 |
| TL36H200  | 36  | DCF  | STEEL     | 2012     | 145.53 | 144.16 | 150.0 | 102 | 121 | 58 | 32 | 26.0 |
| TL40H200  | 40  | DCF  | STEEL     | 2012     | 161.70 | 160.33 | 168.0 | 106 | 138 | 58 | 32 | 26.0 |
| TL44H200  | 44  | DCF  | STEEL     | 2012     | 177.87 | 176.5  | 184.0 | 106 | 152 | 58 | 32 | 26.0 |
| TL48H200  | 48  | DCF  | STEEL     | 2517     | 194.04 | 192.67 | 200.0 | 119 | 169 | 58 | 45 | 13.0 |
| TL60H200  | 60  | IA   | CAST IRON | 2517     | 242.55 | 241.18 |       | 119 | 223 | 60 | 45 | 7.5  |
| TL72H200  | 72  | IA   | CAST IRON | 2517     | 291.06 | 289.69 |       | 119 | 270 | 60 | 45 | 7.5  |
| TL84H200  | 84  | IA   | CAST IRON | 2517     | 339.57 | 338.2  |       | 119 | 318 | 60 | 45 | 7.5  |
| TL96H200  | 96  | IA   | CAST IRON | 2517     | 388.08 | 386.71 |       | 119 | 366 | 60 | 45 | 7.5  |
| TL120H200 | 120 | IA   | CAST IRON | 2517     | 485.10 | 483.73 |       | 119 | 462 | 60 | 45 | 7.5  |

**H300-1/2"(12.7mm)**

| CODE     | Z  | Type | MAT.  | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K    |
|----------|----|------|-------|----------|--------|--------|-----|-----|-----|----|----|------|
| TL20H300 | 20 | CF   | STEEL | 1615     | 80.85  | 79.48  | 87  |     | 60  | 84 | 38 | 23.0 |
| TL21H300 | 21 | CF   | STEEL | 1615     | 84.89  | 83.52  | 91  |     | 64  | 84 | 38 | 23.0 |
| TL22H300 | 22 | CF   | STEEL | 1615     | 88.94  | 87.56  | 94  |     | 67  | 84 | 38 | 23.0 |
| TL23H300 | 23 | CF   | STEEL | 1615     | 92.98  | 91.61  | 97  |     | 70  | 84 | 38 | 23.0 |
| TL24H300 | 24 | CF   | STEEL | 1615     | 97.02  | 95.65  | 102 |     | 74  | 84 | 38 | 23.0 |
| TL25H300 | 25 | CF   | STEEL | 1615     | 101.06 | 99.69  | 106 |     | 77  | 84 | 38 | 23.0 |
| TL26H300 | 26 | CF   | STEEL | 1615     | 105.11 | 103.73 | 112 |     | 82  | 84 | 38 | 23.0 |
| TL27H300 | 27 | CF   | STEEL | 2012     | 109.15 | 107.78 | 115 |     | 85  | 84 | 32 | 26.0 |
| TL28H300 | 28 | CF   | STEEL | 2012     | 113.19 | 111.82 | 120 |     | 90  | 84 | 32 | 26.0 |
| TL30H300 | 30 | CF   | STEEL | 2012     | 121.28 | 111.90 | 128 |     | 98  | 84 | 32 | 26.0 |
| TL32H300 | 32 | CF   | STEEL | 2517     | 129.36 | 127.99 | 135 |     | 106 | 84 | 45 | 19.5 |
| TL36H300 | 36 | CF   | STEEL | 2517     | 145.53 | 144.16 | 150 |     | 121 | 84 | 45 | 19.5 |
| TL40H300 | 40 | CF   | STEEL | 2517     | 161.70 | 160.33 | 168 |     | 138 | 84 | 45 | 19.5 |
| TL44H300 | 44 | ICF  | STEEL | 2517     | 177.87 | 176.50 | 184 | 119 | 152 | 86 | 45 | 20.5 |

**H300-1/2"(12.7mm)**

| CODE      | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K    |
|-----------|-----|------|-----------|----------|--------|--------|-----|-----|-----|----|----|------|
| TL48H300  | 48  | ICF  | STEEL     | 2517     | 194.04 | 192.67 | 200 | 119 | 169 | 86 | 45 | 20.5 |
| TL60H300  | 60  | IA   | CAST IRON | 2517     | 242.55 | 241.18 |     | 119 | 223 | 86 | 45 | 20.5 |
| TL72H300  | 72  | IA   | CAST IRON | 2517     | 291.06 | 289.69 |     | 119 | 270 | 86 | 45 | 20.5 |
| TL84H300  | 84  | IA   | CAST IRON | 2517     | 339.57 | 338.20 |     | 119 | 318 | 86 | 45 | 20.5 |
| TL96H300  | 96  | IA   | CAST IRON | 3030     | 388.08 | 386.71 |     | 150 | 366 | 86 | 76 | 5.0  |
| TL120H300 | 120 | IA   | CAST IRON | 3030     | 485.10 | 483.73 |     | 150 | 462 | 86 | 76 | 5.0  |

**XH200-7/8"(22.22mm)**

| CODE       | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K    |
|------------|-----|------|-----------|----------|--------|--------|-----|-----|-----|----|----|------|
| TL18XH200  | 18  | DF   | CAST IRON | 2517     | 127.34 | 124.55 | 140 |     | 95  | 64 | 45 | 19.0 |
| TL20XH200  | 20  | DF   | CAST IRON | 2517     | 141.49 | 138.69 | 155 |     | 110 | 64 | 45 | 19.0 |
| TL22XH200  | 22  | DF   | CAST IRON | 2517     | 155.64 | 152.84 | 170 |     | 120 | 64 | 45 | 19.0 |
| TL24XH200  | 24  | DF   | CAST IRON | 2517     | 169.79 | 166.99 | 184 |     | 135 | 64 | 45 | 19.0 |
| TL26XH200  | 26  | DF   | CAST IRON | 2517     | 183.94 | 181.14 | 198 |     | 150 | 64 | 45 | 19.0 |
| TL28XH200  | 28  | ICF  | CAST IRON | 2517     | 198.08 | 195.29 | 212 | 120 | 165 | 64 | 45 | 9.5  |
| TL30XH200  | 30  | ICF  | CAST IRON | 2517     | 212.23 | 209.44 | 227 | 120 | 180 | 64 | 45 | 9.5  |
| TL32XH200  | 32  | ICF  | CAST IRON | 2517     | 226.38 | 223.59 | 240 | 120 | 195 | 64 | 45 | 9.5  |
| TL40XH200  | 40  | ICF  | CAST IRON | 3020     | 282.98 | 280.18 | 297 | 160 | 245 | 64 | 51 | 9.5  |
| TL48XH200  | 48  | IC   | CAST IRON | 3020     | 339.57 | 336.78 |     | 160 | 300 | 64 | 51 | 6.5  |
| TL60XH200  | 60  | GA   | CAST IRON | 3535     | 424.47 | 421.67 |     | 190 | 385 | 64 | 89 | 12.5 |
| TL72XH200  | 72  | GA   | CAST IRON | 3535     | 509.36 | 506.56 |     | 190 | 470 | 64 | 89 | 12.5 |
| TL84XH200  | 84  | GA   | CAST IRON | 3535     | 594.25 | 591.46 |     | 190 | 555 | 64 | 89 | 12.5 |
| TL96XH200  | 96  | GA   | CAST IRON | 3535     | 679.15 | 676.35 |     | 190 | 640 | 64 | 89 | 12.5 |
| TL120XH200 | 120 | GA   | CAST IRON | 3535     | 848.93 | 846.14 |     | 190 | 810 | 64 | 89 | 12.5 |

**XH300-7/8"(22.22mm)**

| CODE       | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K    |
|------------|-----|------|-----------|----------|--------|--------|-----|-----|-----|----|----|------|
| TL18XH300  | 18  | DF   | CAST IRON | 2517     | 127.34 | 124.55 | 140 |     | 95  | 64 | 45 | 19.0 |
| TL20XH300  | 20  | DF   | CAST IRON | 2517     | 141.49 | 138.69 | 155 |     | 110 | 64 | 45 | 19.0 |
| TL22XH300  | 22  | DF   | CAST IRON | 2517     | 155.64 | 152.84 | 170 |     | 120 | 64 | 45 | 19.0 |
| TL24XH300  | 24  | DF   | CAST IRON | 2517     | 169.79 | 166.99 | 184 |     | 135 | 64 | 45 | 19.0 |
| TL26XH300  | 26  | DF   | CAST IRON | 2517     | 183.94 | 181.14 | 198 |     | 150 | 64 | 45 | 19.0 |
| TL28XH300  | 28  | DF   | CAST IRON | 3020     | 198.08 | 195.29 | 212 | 120 | 165 | 64 | 45 | 9.5  |
| TL30XH300  | 30  | DF   | CAST IRON | 3020     | 212.23 | 209.44 | 227 | 120 | 180 | 64 | 45 | 9.5  |
| TL32XH300  | 32  | DF   | CAST IRON | 3020     | 226.38 | 223.59 | 240 | 120 | 195 | 64 | 45 | 9.5  |
| TL40XH300  | 40  | ICF  | CAST IRON | 3020     | 282.98 | 280.18 | 297 | 160 | 245 | 64 | 51 | 9.5  |
| TL48XH300  | 48  | IA   | CAST IRON | 3020     | 339.57 | 336.78 |     | 160 | 300 | 64 | 51 | 6.5  |
| TL60XH300  | 60  | IA   | CAST IRON | 3535     | 424.47 | 421.67 |     | 190 | 385 | 64 | 89 | 12.5 |
| TL72XH300  | 72  | IA   | CAST IRON | 3535     | 509.36 | 506.56 |     | 190 | 470 | 64 | 89 | 12.5 |
| TL84XH300  | 84  | GA   | CAST IRON | 4040     | 594.25 | 591.46 |     | 190 | 555 | 64 | 89 | 12.5 |
| TL96XH300  | 96  | GA   | CAST IRON | 4040     | 679.15 | 676.35 |     | 190 | 640 | 64 | 89 | 12.5 |
| TL120XH300 | 120 | GA   | CAST IRON | 4040     | 848.93 | 846.14 |     | 190 | 810 | 64 | 89 | 12.5 |

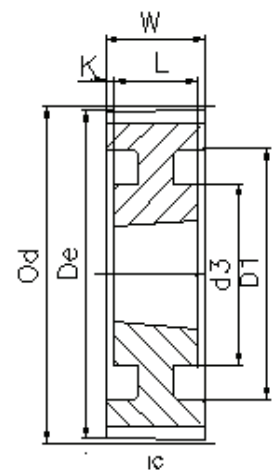
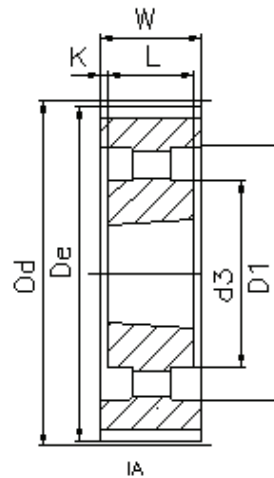
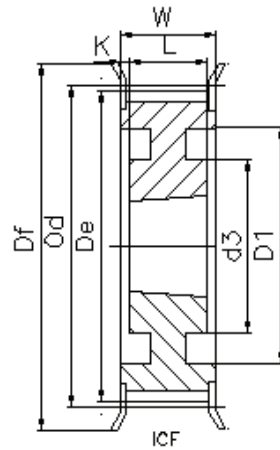
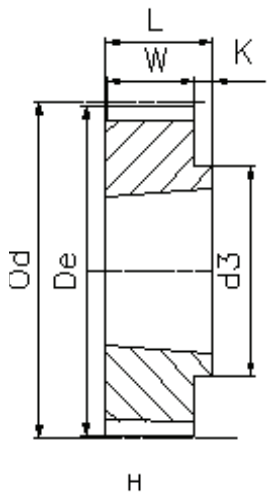
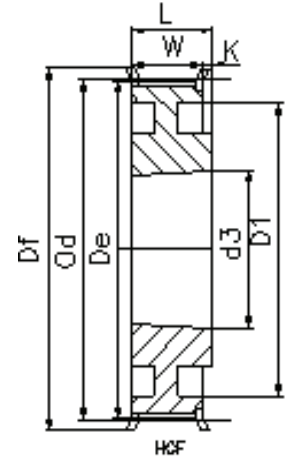
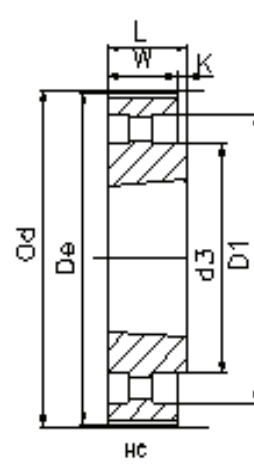
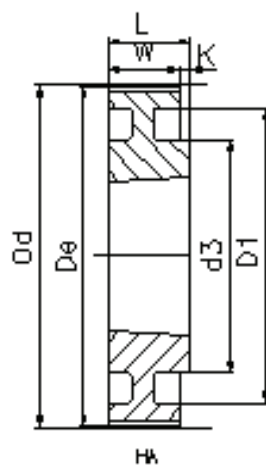
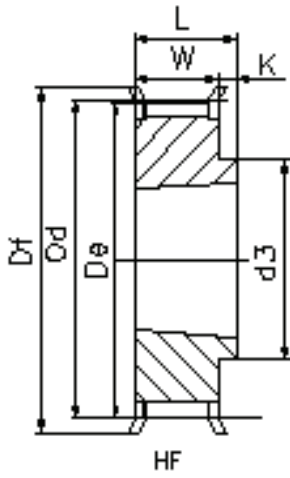
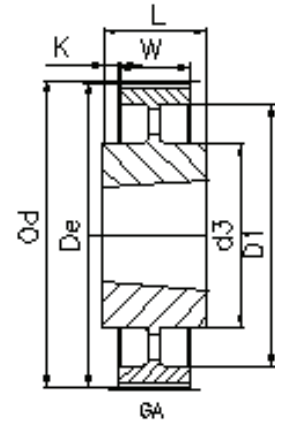
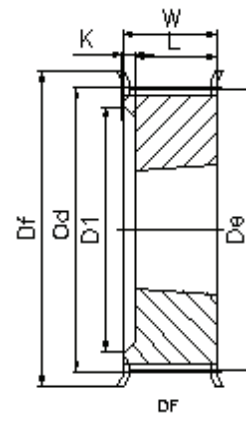
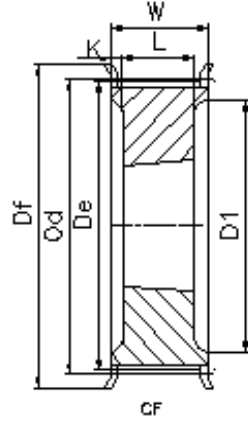
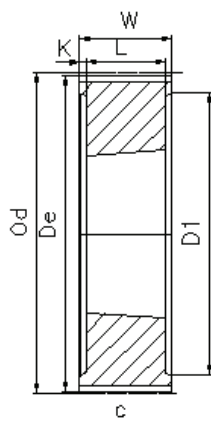
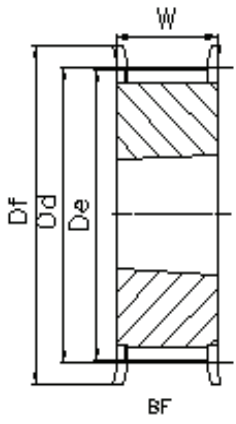
**XH400-7/8"(22.22mm)**

| CODE      | Z  | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K    |
|-----------|----|------|-----------|----------|--------|--------|-----|-----|-----|----|----|------|
| TL18XH400 | 18 | DF   | CAST IRON | 2517     | 127.34 | 124.55 | 140 |     | 95  | 64 | 45 | 19.0 |
| TL20XH400 | 20 | DF   | CAST IRON | 2517     | 141.49 | 138.69 | 155 |     | 110 | 64 | 45 | 19.0 |
| TL22XH400 | 22 | DF   | CAST IRON | 2517     | 155.64 | 152.84 | 170 |     | 120 | 64 | 45 | 19.0 |
| TL24XH400 | 24 | DF   | CAST IRON | 3020     | 169.79 | 166.99 | 184 |     | 135 | 64 | 45 | 19.0 |
| TL26XH400 | 26 | DF   | CAST IRON | 3020     | 183.94 | 181.14 | 198 |     | 150 | 64 | 45 | 19.0 |
| TL28XH400 | 28 | DF   | CAST IRON | 3020     | 198.08 | 195.29 | 212 | 120 | 165 | 64 | 45 | 9.5  |
| TL30XH400 | 30 | DF   | CAST IRON | 3020     | 212.23 | 209.44 | 227 | 120 | 180 | 64 | 45 | 9.5  |
| TL32XH400 | 32 | DF   | CAST IRON | 3020     | 226.38 | 223.59 | 240 | 120 | 195 | 64 | 45 | 9.5  |
| TL40XH400 | 40 | ICF  | CAST IRON | 3535     | 282.98 | 280.18 | 297 | 160 | 245 | 64 | 51 | 9.5  |



**XH400-7/8"(22.22mm)**

| CODE       | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df | d3  | D1  | W  | L  | K    |
|------------|-----|------|-----------|----------|--------|--------|----|-----|-----|----|----|------|
| TL48XH400  | 48  | IC   | CAST IRON | 3535     | 339.57 | 336.78 |    | 160 | 300 | 64 | 51 | 6.5  |
| TL60XH400  | 60  | IA   | CAST IRON | 4040     | 424.47 | 421.67 |    | 190 | 385 | 64 | 89 | 12.5 |
| TL72XH400  | 72  | IA   | CAST IRON | 4040     | 509.36 | 506.56 |    | 190 | 470 | 64 | 89 | 12.5 |
| TL84XH400  | 84  | IA   | CAST IRON | 4040     | 594.25 | 591.46 |    | 190 | 555 | 64 | 89 | 12.5 |
| TL96XH400  | 96  | IA   | CAST IRON | 4040     | 679.15 | 676.35 |    | 190 | 640 | 64 | 89 | 12.5 |
| TL120XH400 | 120 | IA   | CAST IRON | 4040     | 848.93 | 846.14 |    | 190 | 810 | 64 | 89 | 12.5 |



### HTD 5M-15

| CODE        | Z   | Type | MAT.  | BUSH NO. | Od     | De     | Df   | d3  | D1  | W  | L  | K  |
|-------------|-----|------|-------|----------|--------|--------|------|-----|-----|----|----|----|
| TL34-5M-15  | 34  | BF   | STEEL | 1008     | 54.11  | 52.97  | 57   |     |     | 22 | 22 |    |
| TL36-5M-15  | 36  | BF   | STEEL | 1108     | 57.30  | 56.15  | 60   |     |     | 22 | 22 |    |
| TL38-5M-15  | 38  | BF   | STEEL | 1108     | 60.48  | 59.34  | 66.5 |     |     | 22 | 22 |    |
| TL40-5M-15  | 40  | BF   | STEEL | 1108     | 63.66  | 62.52  | 71   |     |     | 22 | 22 |    |
| TL44-5M-15  | 44  | BF   | STEEL | 1108     | 70.03  | 68.89  | 75   |     |     | 22 | 22 |    |
| TL48-5M-15  | 48  | HF   | STEEL | 1210     | 76.39  | 75.25  | 83   | 59  |     | 22 | 25 | 3  |
| TL56-5M-15  | 56  | HF   | STEEL | 1210     | 89.13  | 87.39  | 93   | 70  |     | 22 | 25 | 3  |
| TL64-5M-15  | 64  | HF   | STEEL | 1210     | 101.86 | 100.72 | 106  | 80  |     | 22 | 25 | 3  |
| TL72-5M-15  | 72  | H    | STEEL | 1610     | 114.59 | 113.45 |      | 92  |     | 22 | 25 | 3  |
| TL80-5M-15  | 80  | H    | STEEL | 1610     | 127.32 | 126.18 |      | 92  |     | 22 | 25 | 3  |
| TL90-5M-15  | 90  | H    | STEEL | 1610     | 143.24 | 142.10 |      | 92  |     | 22 | 25 | 3  |
| TL112-5M-15 | 112 | H    | STEEL | 2012     | 178.25 | 177.11 |      | 110 |     | 20 | 32 | 12 |
| TL136-5M-15 | 136 | GA   | STEEL | 2012     | 216.45 | 215.31 |      | 110 | 199 | 20 | 32 | 6  |

### HTD 8M-20

| CODE        | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K |
|-------------|-----|------|-----------|----------|--------|--------|-----|-----|-----|----|----|---|
| TL22-8M-20  | 22  | DF   | STEEL     | 1108     | 56.02  | 56.45  | 60  |     | 37  | 28 | 22 | 6 |
| TL24-8M-20  | 24  | DF   | STEEL     | 1108     | 61.12  | 59.75  | 66  |     | 44  | 28 | 22 | 6 |
| TL26-8M-20  | 26  | DF   | STEEL     | 1108     | 66.21  | 64.84  | 70  |     | 45  | 28 | 22 | 6 |
| TL28-8M-20  | 28  | DF   | STEEL     | 1108     | 71.30  | 70.08  | 75  |     | 50  | 28 | 22 | 6 |
| TL30-8M-20  | 30  | DF   | STEEL     | 1108     | 76.39  | 75.13  | 83  |     | 58  | 28 | 22 | 6 |
| TL32-8M-20  | 32  | DF   | STEEL     | 1610     | 81.49  | 80.16  | 87  |     | 63  | 28 | 25 | 3 |
| TL34-8M-20  | 34  | DF   | STEEL     | 1610     | 86.58  | 85.22  | 91  |     | 64  | 28 | 25 | 3 |
| TL36-8M-20  | 36  | DF   | STEEL     | 1610     | 91.67  | 90.30  | 97  |     | 68  | 28 | 25 | 3 |
| TL38-8M-20  | 38  | DF   | STEEL     | 1610     | 96.77  | 95.39  | 102 |     | 72  | 28 | 25 | 3 |
| TL40-8M-20  | 40  | DF   | STEEL     | 1610     | 101.86 | 100.49 | 106 |     |     | 28 | 25 | 3 |
| TL44-8M-20  | 44  | HF   | STEEL     | 2012     | 112.05 | 110.67 | 120 | 93  |     | 28 | 32 | 4 |
| TL48-8M-20  | 48  | HF   | STEEL     | 2012     | 122.23 | 120.86 | 128 | 96  |     | 28 | 32 | 4 |
| TL56-8M-20  | 56  | HF   | STEEL     | 2012     | 142.60 | 141.23 | 150 | 110 |     | 28 | 32 | 4 |
| TL64-8M-20  | 64  | HCF  | STEEL     | 2012     | 162.97 | 161.60 | 168 | 110 | 137 | 28 | 32 | 4 |
| TL72-8M-20  | 72  | HCF  | STEEL     | 2012     | 183.35 | 181.97 | 192 | 110 | 158 | 28 | 32 | 4 |
| TL80-8M-20  | 80  | HC   | CAST IRON | 2012     | 203.72 | 202.35 |     | 110 | 180 | 28 | 32 | 4 |
| TL90-8M-20  | 90  | HA   | CAST IRON | 2012     | 229.18 | 227.81 |     | 110 | 204 | 28 | 32 | 4 |
| TL144-8M-20 | 144 | HA   | CAST IRON | 2517     | 366.69 | 365.32 |     | 125 | 336 | 28 | 32 | 4 |

### HTD 8M-30

| CODE        | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K  |
|-------------|-----|------|-----------|----------|--------|--------|-----|-----|-----|----|----|----|
| TL22-8M-30  | 22  | DF   | STEEL     | 1108     | 56.02  | 56.45  | 60  |     | 37  | 38 | 22 | 16 |
| TL24-8M-30  | 24  | DF   | STEEL     | 1108     | 61.12  | 59.75  | 66  |     | 44  | 38 | 22 | 16 |
| TL26-8M-30  | 26  | DF   | STEEL     | 1108     | 66.21  | 64.84  | 70  |     | 44  | 38 | 22 | 16 |
| TL28-8M-30  | 28  | DF   | STEEL     | 1210     | 71.30  | 70.08  | 75  |     |     | 38 | 25 | 13 |
| TL30-8M-30  | 30  | BF   | STEEL     | 1615     | 76.39  | 75.13  | 83  |     |     | 38 | 38 |    |
| TL32-8M-30  | 32  | BF   | STEEL     | 1615     | 81.49  | 80.16  | 87  |     |     | 38 | 38 |    |
| TL34-8M-30  | 34  | BF   | STEEL     | 1615     | 86.58  | 85.22  | 91  |     |     | 38 | 38 |    |
| TL36-8M-30  | 36  | BF   | STEEL     | 1615     | 91.67  | 90.30  | 97  |     |     | 38 | 38 |    |
| TL38-8M-30  | 38  | BF   | STEEL     | 1615     | 96.77  | 95.39  | 102 |     |     | 38 | 38 |    |
| TL40-8M-30  | 40  | BF   | STEEL     | 1615     | 101.86 | 100.49 | 106 |     |     | 38 | 32 | 3  |
| TL44-8M-30  | 44  | CF   | STEEL     | 2012     | 112.05 | 110.67 | 120 |     | 86  | 38 | 32 | 3  |
| TL48-8M-30  | 48  | CF   | STEEL     | 2012     | 122.23 | 120.86 | 128 |     | 90  | 38 | 32 | 3  |
| TL56-8M-30  | 56  | CF   | STEEL     | 2012     | 142.60 | 141.23 | 150 |     | 110 | 38 | 45 | 7  |
| TL64-8M-30  | 64  | HF   | STEEL     | 2517     | 162.97 | 161.60 | 168 | 125 |     | 38 | 45 | 7  |
| TL72-8M-30  | 72  | HCF  | STEEL     | 2517     | 183.35 | 181.97 | 192 | 125 | 158 | 38 | 45 | 7  |
| TL80-8M-30  | 80  | HC   | CAST IRON | 2517     | 203.72 | 202.35 |     | 125 | 180 | 38 | 45 | 7  |
| TL90-8M-30  | 90  | HA   | CAST IRON | 2517     | 229.18 | 227.81 |     | 125 | 204 | 38 | 45 | 7  |
| TL112-8M-30 | 112 | HA   | CAST IRON | 2517     | 285.21 |        |     | 125 | 254 | 38 | 45 | 7  |
| TL144-8M-30 | 144 | HA   | CAST IRON | 2517     | 366.69 | 365.32 |     | 125 | 336 | 38 | 45 | 7  |

**HTD 8M-50**

| CODE        | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K    |
|-------------|-----|------|-----------|----------|--------|--------|-----|-----|-----|----|----|------|
| TL28-8M-50  | 28  | CF   | STEEL     | 1210     | 71.30  | 70.08  | 75  |     | 50  | 60 | 25 | 17.5 |
| TL30-8M-50  | 30  | DF   | STEEL     | 1615     | 76.39  | 75.13  | 83  |     | 58  | 60 | 38 | 22.0 |
| TL32-8M-50  | 32  | DF   | STEEL     | 1615     | 81.49  | 80.16  | 87  |     | 62  | 60 | 38 | 22.0 |
| TL34-8M-50  | 34  | DF   | STEEL     | 1615     | 86.58  | 85.22  | 91  |     | 65  | 60 | 38 | 22.0 |
| TL36-8M-50  | 36  | DF   | STEEL     | 1615     | 91.67  | 90.30  | 97  |     | 68  | 60 | 38 | 22.0 |
| TL38-8M-50  | 38  | DF   | STEEL     | 1615     | 96.77  | 95.39  | 102 |     | 72  | 60 | 38 | 22.0 |
| TL40-8M-50  | 40  | CF   | STEEL     | 2012     | 101.86 | 100.49 | 106 |     | 82  | 60 | 32 | 14.0 |
| TL44-8M-50  | 44  | CF   | STEEL     | 2012     | 112.05 | 110.67 | 120 |     | 91  | 60 | 32 | 14.0 |
| TL48-8M-50  | 48  | CF   | STEEL     | 2012     | 122.23 | 120.86 | 128 |     | 95  | 60 | 32 | 14.0 |
| TL56-8M-50  | 56  | CF   | STEEL     | 2517     | 142.60 | 141.23 | 150 |     | 116 | 60 | 45 | 7.5  |
| TL64-8M-50  | 64  | CF   | STEEL     | 2517     | 162.97 | 161.60 | 168 |     | 137 | 60 | 45 | 7.5  |
| TL72-8M-50  | 72  | ICF  | STEEL     | 2517     | 183.35 | 181.97 | 192 | 125 | 158 | 60 | 45 | 7.5  |
| TL80-8M-50  | 80  | C    | CAST IRON | 3020     | 203.72 | 202.35 |     |     | 180 | 60 | 51 | 4.5  |
| TL90-8M-50  | 90  | IC   | CAST IRON | 3020     | 229.18 | 227.81 |     | 170 | 204 | 60 | 51 | 4.5  |
| TL112-8M-50 | 112 | IC   | CAST IRON | 3020     | 285.21 | 283.83 |     | 170 | 260 | 60 | 51 | 4.5  |
| TL144-8M-50 | 144 | IA   | CAST IRON | 3020     | 366.69 | 365.32 |     | 170 | 341 | 60 | 51 | 4.5  |
| TL168-8M-50 | 168 | GA   | CAST IRON | 3020     | 427.81 | 426.44 |     | 170 | 402 | 60 | 51 | 4.5  |
| TL144-8M-50 | 144 | GA   | CAST IRON | 3020     | 366.69 | 365.32 |     | 170 | 460 | 60 | 51 | 4.5  |

**HTD 8M-85**

| CODE        | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K    |
|-------------|-----|------|-----------|----------|--------|--------|-----|-----|-----|----|----|------|
| TL34-8M-85  | 34  | CF   | STEEL     | 1615     | 86.58  | 85.22  | 91  |     | 65  | 95 | 38 | 28.5 |
| TL36-8M-85  | 36  | CF   | STEEL     | 1615     | 91.67  | 90.30  | 97  |     | 68  | 95 | 38 | 28.5 |
| TL38-8M-85  | 38  | CF   | STEEL     | 1615     | 96.77  | 95.39  | 102 |     | 72  | 95 | 38 | 28.5 |
| TL40-8M-85  | 40  | CF   | STEEL     | 2012     | 101.86 | 100.49 | 106 |     | 82  | 95 | 32 | 31.5 |
| TL44-8M-85  | 44  | CF   | STEEL     | 2012     | 112.05 | 110.67 | 120 |     | 91  | 95 | 32 | 31.5 |
| TL48-8M-85  | 48  | CF   | STEEL     | 2517     | 122.23 | 120.86 | 128 |     | 100 | 95 | 45 | 25.0 |
| TL56-8M-85  | 56  | CF   | STEEL     | 2517     | 142.60 | 141.23 | 150 |     | 117 | 95 | 45 | 25.0 |
| TL64-8M-85  | 64  | CF   | STEEL     | 2517     | 162.97 | 161.60 | 168 |     | 137 | 95 | 45 | 25.0 |
| TL72-8M-85  | 72  | CF   | STEEL     | 3020     | 183.35 | 181.97 | 192 |     | 158 | 95 | 51 | 22.0 |
| TL80-8M-85  | 80  | C    | CAST IRON | 3020     | 203.72 | 202.35 |     |     | 180 | 95 | 51 | 22.0 |
| TL90-8M-85  | 90  | IC   | CAST IRON | 3020     | 229.18 | 227.81 |     | 170 | 204 | 95 | 51 | 22.0 |
| TL112-8M-85 | 112 | IC   | CAST IRON | 3020     | 285.21 | 283.83 |     | 170 | 260 | 95 | 51 | 22.0 |
| TL144-8M-85 | 144 | IA   | CAST IRON | 3525     | 366.69 | 365.32 |     | 198 | 336 | 95 | 65 | 15.0 |
| TL168-8M-85 | 168 | IA   | CAST IRON | 3525     | 427.81 | 426.44 |     | 198 | 395 | 95 | 65 | 15.0 |
| TL144-8M-85 | 144 | IA   | CAST IRON | 3525     | 366.69 | 365.32 |     | 198 | 455 | 95 | 65 | 15.0 |

**HTD 14M-40**

| CODE        | Z  | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K    |
|-------------|----|------|-----------|----------|--------|--------|-----|-----|-----|----|----|------|
| TL28-14M-40 | 28 | CF   | STEEL     | 2012     | 124.78 | 122.12 | 128 |     | 94  | 54 | 32 | 11.0 |
| TL29-14M-40 | 29 | CF   | STEEL     | 2012     | 129.23 | 126.57 | 138 |     | 98  | 54 | 32 | 11.0 |
| TL30-14M-40 | 30 | CF   | STEEL     | 2012     | 133.69 | 130.99 | 138 |     | 98  | 54 | 32 | 11.0 |
| TL32-14M-40 | 32 | CF   | STEEL     | 2012     | 142.60 | 139.88 | 154 |     | 108 | 54 | 32 | 11.0 |
| TL34-14M-40 | 34 | CF   | STEEL     | 2517     | 151.52 | 148.79 | 160 |     | 110 | 54 | 45 | 4.5  |
| TL36-14M-40 | 36 | CF   | STEEL     | 2517     | 160.43 | 157.68 | 168 |     | 120 | 54 | 45 | 4.5  |
| TL38-14M-40 | 38 | CF   | STEEL     | 2517     | 169.34 | 166.60 | 183 |     | 130 | 54 | 45 | 4.5  |
| TL40-14M-40 | 40 | CF   | STEEL     | 2517     | 178.25 | 175.49 | 188 |     | 138 | 54 | 45 | 4.5  |
| TL44-14M-40 | 44 | CF   | STEEL     | 3020     | 196.08 | 193.28 | 211 |     | 155 | 54 | 51 | 1.5  |
| TL48-14M-40 | 48 | CF   | STEEL     | 3020     | 213.90 | 211.11 | 226 |     | 170 | 54 | 51 | 1.5  |
| TL56-14M-40 | 56 | ICF  | STEEL     | 3020     | 249.55 | 246.76 | 256 | 170 | 208 | 54 | 51 | 1.5  |
| TL64-14M-40 | 64 | ICF  | CAST IRON | 3020     | 285.21 | 282.41 | 296 | 170 | 240 | 54 | 51 | 1.5  |
| TL72-14M-40 | 72 | IC   | CAST IRON | 3020     | 320.86 | 318.06 |     | 170 | 280 | 54 | 51 | 1.5  |

### HTD 14M-40

| CODE         | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df | d3  | D1  | W  | L  | K   |
|--------------|-----|------|-----------|----------|--------|--------|----|-----|-----|----|----|-----|
| TL80-14M-40  | 80  | IA   | CAST IRON | 3020     | 356.51 | 353.71 |    | 170 | 315 | 54 | 51 | 1.5 |
| TL90-14M-40  | 90  | IA   | CAST IRON | 3020     | 401.07 | 398.28 |    | 170 | 360 | 54 | 51 | 1.5 |
| TL112-14M-40 | 112 | IA   | CAST IRON | 3020     | 499.11 | 496.32 |    | 170 | 457 | 54 | 51 | 1.5 |
| TL144-14M-40 | 144 | IA   | CAST IRON | 3020     | 641.71 | 638.92 |    | 170 | 600 | 54 | 51 | 1.5 |
| TL168-14M-40 | 168 | IA   | CAST IRON | 3020     | 748.66 | 745.87 |    | 170 | 706 | 54 | 51 | 1.5 |
| TL192-14M-40 | 192 | IA   | CAST IRON | 3020     | 855.62 | 852.82 |    | 170 | 813 | 54 | 51 | 1.5 |
| TL216-14M-40 | 216 | IA   | CAST IRON | 3020     | 962.57 | 962.57 |    | 170 | 920 | 54 | 51 | 1.5 |

### HTD 14M-55

| CODE         | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W  | L  | K    |
|--------------|-----|------|-----------|----------|--------|--------|-----|-----|-----|----|----|------|
| TL28-14M-55  | 28  | CF   | STEEL     | 2012     | 124.78 | 122.12 | 128 |     | 94  | 70 | 32 | 19.0 |
| TL29-14M-55  | 29  | CF   | STEEL     | 2012     | 129.23 | 126.57 | 138 |     | 100 | 70 | 32 | 19.0 |
| TL30-14M-55  | 30  | CF   | STEEL     | 2517     | 133.69 | 130.99 | 138 |     | 100 | 70 | 45 | 12.5 |
| TL32-14M-55  | 32  | CF   | STEEL     | 2517     | 142.60 | 139.88 | 154 |     | 108 | 70 | 45 | 12.5 |
| TL34-14M-55  | 34  | CF   | STEEL     | 2517     | 151.52 | 148.79 | 160 |     | 110 | 70 | 45 | 12.5 |
| TL36-14M-55  | 36  | CF   | STEEL     | 2517     | 160.43 | 157.68 | 168 |     | 120 | 70 | 45 | 12.5 |
| TL38-14M-55  | 38  | CF   | STEEL     | 2517     | 169.34 | 166.6  | 183 |     | 130 | 70 | 45 | 12.5 |
| TL40-14M-55  | 40  | CF   | STEEL     | 2517     | 178.25 | 175.49 | 188 |     | 138 | 70 | 45 | 12.5 |
| TL44-14M-55  | 44  | CF   | STEEL     | 3020     | 196.08 | 193.28 | 211 |     | 155 | 70 | 51 | 9.5  |
| TL48-14M-55  | 48  | CF   | STEEL     | 3020     | 213.90 | 211.11 | 226 |     | 170 | 70 | 51 | 9.5  |
| TL56-14M-55  | 56  | ICF  | STEEL     | 3020     | 249.55 | 246.76 | 256 | 170 | 208 | 70 | 51 | 9.5  |
| TL64-14M-55  | 64  | ICF  | CAST IRON | 3020     | 285.21 | 282.41 | 296 | 170 | 240 | 70 | 51 | 9.5  |
| TL72-14M-55  | 72  | IC   | CAST IRON | 3020     | 320.86 | 318.06 |     | 170 | 280 | 70 | 51 | 9.5  |
| TL80-14M-55  | 80  | IA   | CAST IRON | 3020     | 356.51 | 353.71 |     | 170 | 315 | 70 | 51 | 9.5  |
| TL90-14M-55  | 90  | IA   | CAST IRON | 3020     | 401.07 | 398.28 |     | 170 | 360 | 70 | 51 | 9.5  |
| TL112-14M-55 | 112 | IA   | CAST IRON | 3020     | 499.11 | 496.32 |     | 170 | 457 | 70 | 51 | 9.5  |
| TL144-14M-55 | 144 | IA   | CAST IRON | 3020     | 641.71 | 638.92 |     | 170 | 600 | 70 | 51 | 9.5  |
| TL168-14M-55 | 168 | IA   | CAST IRON | 3020     | 748.66 | 745.87 |     | 170 | 706 | 70 | 51 | 9.5  |
| TL192-14M-55 | 192 | IA   | CAST IRON | 3020     | 855.62 | 852.82 |     | 170 | 813 | 70 | 51 | 9.5  |
| TL216-14M-55 | 216 | GA   | CAST IRON | 3535     | 962.57 | 962.57 |     | 170 | 920 | 70 | 59 | 5.5  |

### HTD 14M-85

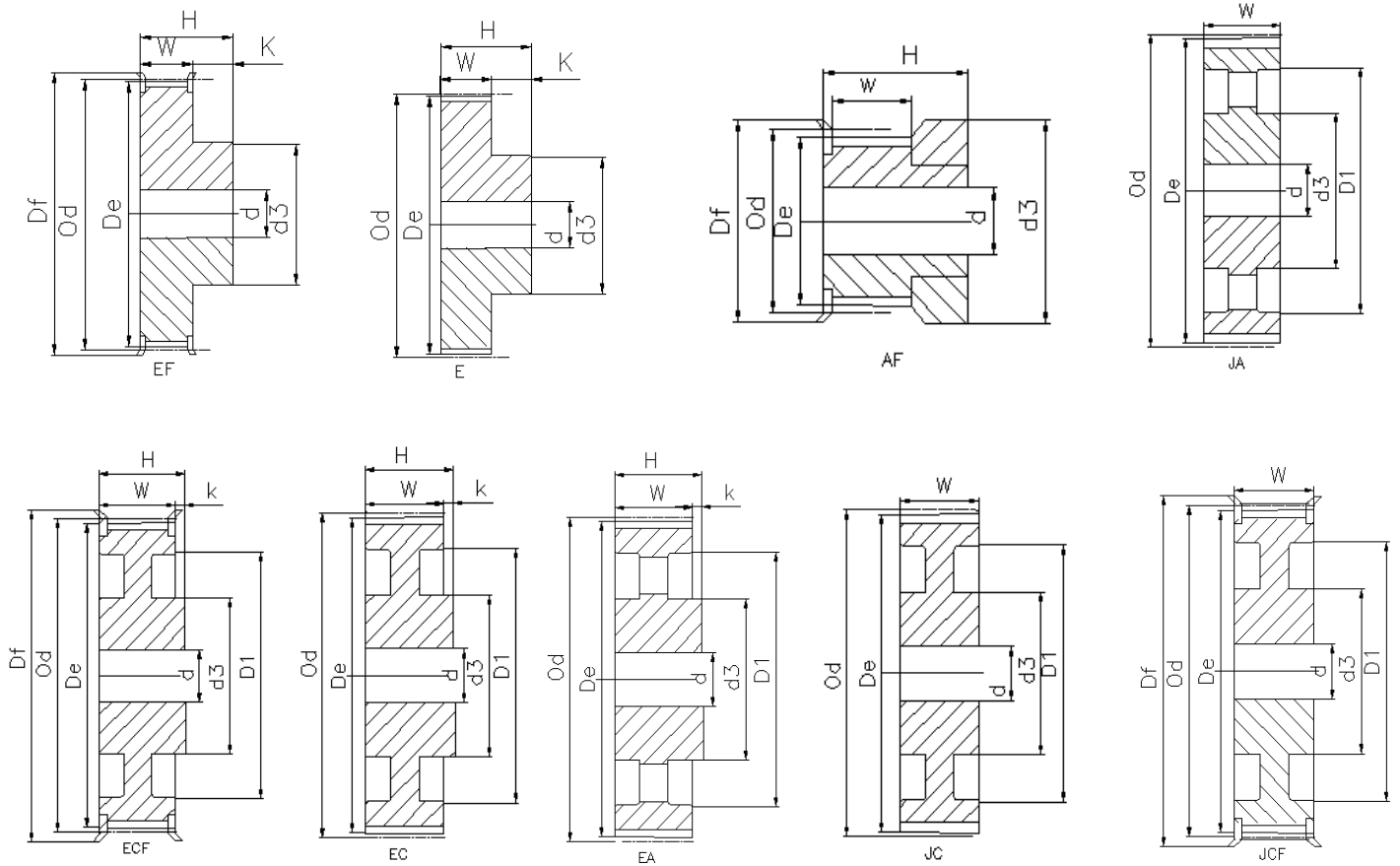
| CODE         | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W   | L   | K    |
|--------------|-----|------|-----------|----------|--------|--------|-----|-----|-----|-----|-----|------|
| TL28-14M-85  | 28  | CF   | STEEL     | 2517     | 124.78 | 122.12 | 128 |     | 98  | 102 | 45  | 28.5 |
| TL29-14M-85  | 29  | CF   | STEEL     | 2517     | 129.23 | 126.57 | 138 |     | 100 | 102 | 45  | 28.5 |
| TL30-14M-85  | 30  | CF   | STEEL     | 2517     | 133.69 | 130.99 | 138 |     | 100 | 102 | 45  | 28.5 |
| TL32-14M-85  | 32  | CF   | STEEL     | 2517     | 142.60 | 139.88 | 154 |     | 108 | 102 | 45  | 28.5 |
| TL34-14M-85  | 34  | CF   | STEEL     | 2517     | 151.52 | 148.79 | 160 |     | 110 | 102 | 45  | 28.5 |
| TL36-14M-85  | 36  | CF   | STEEL     | 3020     | 160.43 | 157.68 | 168 |     | 120 | 102 | 51  | 25.5 |
| TL38-14M-85  | 38  | CF   | STEEL     | 3020     | 169.34 | 166.6  | 183 |     | 130 | 102 | 51  | 25.5 |
| TL40-14M-85  | 40  | CF   | STEEL     | 3020     | 178.25 | 175.49 | 188 |     | 138 | 102 | 51  | 25.5 |
| TL44-14M-85  | 44  | CF   | STEEL     | 3020     | 196.08 | 193.28 | 211 |     | 153 | 102 | 51  | 25.5 |
| TL48-14M-85  | 48  | CF   | STEEL     | 3020     | 213.90 | 211.11 | 226 |     | 170 | 102 | 51  | 25.5 |
| TL56-14M-85  | 56  | CF   | STEEL     | 3525     | 249.55 | 246.76 | 256 | 190 | 210 | 102 | 51  | 25.5 |
| TL64-14M-85  | 64  | ICF  | CAST IRON | 3525     | 285.21 | 282.41 | 296 | 190 | 240 | 102 | 65  | 18.5 |
| TL72-14M-85  | 72  | IC   | CAST IRON | 3525     | 320.86 | 318.06 |     | 190 | 280 | 102 | 65  | 18.5 |
| TL80-14M-85  | 80  | IA   | CAST IRON | 3525     | 356.51 | 353.71 |     | 190 | 315 | 102 | 65  | 18.5 |
| TL90-14M-85  | 90  | IA   | CAST IRON | 3525     | 401.07 | 398.28 |     | 190 | 360 | 102 | 65  | 18.5 |
| TL112-14M-85 | 112 | IA   | CAST IRON | 3525     | 499.11 | 496.32 |     | 190 | 457 | 102 | 65  | 18.5 |
| TL144-14M-85 | 144 | IA   | CAST IRON | 3525     | 641.71 | 638.92 |     | 190 | 600 | 102 | 65  | 18.5 |
| TL168-14M-85 | 168 | IA   | CAST IRON | 3525     | 748.66 | 745.87 |     | 190 | 706 | 102 | 65  | 18.5 |
| TL192-14M-85 | 192 | CA   | CAST IRON | 4040     | 855.62 | 852.82 |     | 190 | 813 | 102 | 102 |      |
| TL216-14M-85 | 216 | CA   | CAST IRON | 4040     | 962.57 | 962.57 |     | 190 | 920 | 102 | 102 |      |

## HTD 14M-115

| CODE          | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W   | L   | K    |
|---------------|-----|------|-----------|----------|--------|--------|-----|-----|-----|-----|-----|------|
| TL28-14M-115  | 28  | CF   | STEEL     | 2517     | 124.78 | 122.12 | 128 |     | 98  | 133 | 45  | 44.0 |
| TL29-14M-115  | 29  | CF   | STEEL     | 2517     | 129.23 | 126.57 | 138 |     | 100 | 133 | 45  | 44.0 |
| TL30-14M-115  | 30  | CF   | STEEL     | 2517     | 133.69 | 130.99 | 138 |     | 100 | 133 | 45  | 44.0 |
| TL32-14M-115  | 32  | CF   | STEEL     | 2517     | 142.60 | 139.88 | 154 |     | 108 | 133 | 45  | 44.0 |
| TL34-14M-115  | 34  | CF   | STEEL     | 2517     | 151.52 | 148.79 | 160 |     | 110 | 133 | 45  | 44.0 |
| TL36-14M-115  | 36  | CF   | STEEL     | 3020     | 160.43 | 157.68 | 168 |     | 125 | 133 | 51  | 41.0 |
| TL38-14M-115  | 38  | CF   | STEEL     | 3020     | 169.34 | 166.6  | 183 |     | 130 | 133 | 51  | 41.0 |
| TL40-14M-115  | 40  | CF   | STEEL     | 3020     | 178.25 | 175.49 | 188 |     | 138 | 133 | 51  | 41.0 |
| TL44-14M-115  | 44  | CF   | STEEL     | 3020     | 196.08 | 193.28 | 211 |     | 155 | 133 | 76  | 28.5 |
| TL48-14M-115  | 48  | CF   | STEEL     | 3020     | 213.90 | 211.11 | 226 |     | 170 | 133 | 76  | 28.5 |
| TL56-14M-115  | 56  | CF   | STEEL     | 3535     | 249.55 | 246.76 | 256 |     | 208 | 133 | 89  | 22.0 |
| TL64-14M-115  | 64  | ICF  | CAST IRON | 3535     | 285.21 | 282.41 | 296 | 190 | 240 | 133 | 89  | 22.0 |
| TL72-14M-115  | 72  | IC   | CAST IRON | 3535     | 320.86 | 318.06 |     | 190 | 280 | 133 | 89  | 22.0 |
| TL80-14M-115  | 80  | IA   | CAST IRON | 3535     | 356.51 | 353.71 |     | 190 | 315 | 133 | 89  | 22.0 |
| TL90-14M-115  | 90  | IA   | CAST IRON | 3535     | 401.07 | 398.28 |     | 190 | 360 | 133 | 89  | 22.0 |
| TL112-14M-115 | 112 | IA   | CAST IRON | 3535     | 499.11 | 496.32 |     | 190 | 457 | 133 | 89  | 22.0 |
| TL144-14M-115 | 144 | IA   | CAST IRON | 4040     | 641.71 | 638.92 |     | 230 | 600 | 133 | 102 | 15.5 |
| TL168-14M-115 | 168 | IA   | CAST IRON | 4040     | 748.66 | 745.87 |     | 230 | 706 | 133 | 102 | 15.5 |
| TL192-14M-115 | 192 | IA   | CAST IRON | 4040     | 855.62 | 852.82 |     | 230 | 813 | 133 | 102 | 15.5 |
| TL216-14M-115 | 216 | IA   | CAST IRON | 4040     | 962.57 | 962.57 |     | 230 | 920 | 133 | 102 | 15.5 |

## HTD 14M-170

| CODE          | Z   | Type | MAT.      | BUSH NO. | Od     | De     | Df  | d3  | D1  | W   | L   | K    |
|---------------|-----|------|-----------|----------|--------|--------|-----|-----|-----|-----|-----|------|
| TL38-14M-170  | 38  | CF   | STEEL     | 3030     | 169.34 | 166.6  | 183 |     | 130 | 187 | 76  | 55.5 |
| TL40-14M-170  | 40  | CF   | STEEL     | 3030     | 178.25 | 175.49 | 188 |     | 138 | 187 | 76  | 55.5 |
| TL44-14M-170  | 44  | CF   | STEEL     | 3535     | 196.08 | 193.28 | 211 |     | 153 | 187 | 89  | 49.0 |
| TL48-14M-170  | 48  | CF   | STEEL     | 3535     | 213.90 | 211.11 | 226 |     | 170 | 187 | 89  | 49.0 |
| TL56-14M-170  | 56  | CF   | STEEL     | 3535     | 249.55 | 246.76 | 256 |     | 208 | 187 | 89  | 49.0 |
| TL64-14M-170  | 64  | CF   | CAST IRON | 4040     | 285.21 | 282.41 | 296 |     | 240 | 187 | 102 | 42.5 |
| TL72-14M-170  | 72  | IC   | CAST IRON | 4040     | 320.86 | 318.06 |     | 230 | 280 | 187 | 102 | 42.5 |
| TL80-14M-170  | 80  | IC   | CAST IRON | 4040     | 356.51 | 353.71 |     | 230 | 315 | 187 | 102 | 42.5 |
| TL90-14M-170  | 90  | IA   | CAST IRON | 4040     | 401.07 | 398.28 |     | 230 | 360 | 187 | 102 | 42.5 |
| TL112-14M-170 | 112 | IA   | CAST IRON | 5050     | 499.11 | 496.32 |     | 265 | 457 | 187 | 127 | 30.0 |
| TL144-14M-170 | 144 | IA   | CAST IRON | 5050     | 641.71 | 638.92 |     | 265 | 600 | 187 | 127 | 30.0 |
| TL168-14M-170 | 168 | IA   | CAST IRON | 5050     | 748.66 | 745.87 |     | 265 | 706 | 187 | 127 | 30.0 |
| TL192-14M-170 | 192 | IA   | CAST IRON | 5050     | 855.62 | 852.82 |     | 265 | 813 | 187 | 127 | 30.0 |
| TL216-14M-170 | 216 | IA   | CAST IRON | 5050     | 962.57 | 962.57 |     | 265 | 920 | 187 | 127 | 30.0 |



**HTD 3M-06**

| CODE     | Z  | Type | MAT. | Od    | De    | Df   | d3   | D1 | W    | H    | d |
|----------|----|------|------|-------|-------|------|------|----|------|------|---|
| 10-3M-06 | 10 | AF   | AL   | 9.55  | 8.79  | 13.0 | 13.0 |    | 7.2  | 14.5 |   |
| 12-3M-06 | 12 | AF   | AL   | 11.46 | 10.70 | 15.0 | 15.0 |    | 7.2  | 14.5 |   |
| 14-3M-06 | 14 | AF   | AL   | 13.37 | 12.61 | 16.0 | 16.0 |    | 7.2  | 14.5 |   |
| 15-3M-06 | 15 | AF   | AL   | 14.32 | 13.56 | 17.5 | 17.5 |    | 7.2  | 14.5 |   |
| 16-3M-06 | 16 | EF   | AL   | 15.28 | 14.52 | 17.5 | 10.0 |    | 9.8  | 17.5 |   |
| 18-3M-06 | 18 | EF   | AL   | 17.19 | 16.43 | 20.0 | 11.0 |    | 9.8  | 17.5 |   |
| 20-3M-06 | 20 | EF   | AL   | 19.10 | 18.34 | 23.0 | 13.0 |    | 9.8  | 17.5 |   |
| 21-3M-06 | 21 | EF   | AL   | 20.05 | 19.29 | 25.0 | 13.0 |    | 9.8  | 17.5 |   |
| 22-3M-06 | 22 | EF   | AL   | 21.01 | 20.25 | 25.0 | 13.0 |    | 9.8  | 17.5 |   |
| 24-3M-06 | 24 | EF   | AL   | 22.92 | 22.16 | 25.0 | 13.0 |    | 9.8  | 17.5 |   |
| 26-3M-06 | 26 | EF   | AL   | 24.83 | 24.07 | 28.0 | 16.0 |    | 9.8  | 17.5 |   |
| 28-3M-06 | 28 | EF   | AL   | 26.74 | 25.98 | 32.0 | 18.0 |    | 9.8  | 17.5 |   |
| 30-3M-06 | 30 | EF   | AL   | 28.65 | 27.89 | 32.0 | 20.0 |    | 9.8  | 17.5 |   |
| 32-3M-06 | 32 | EF   | AL   | 30.56 | 29.80 | 36.0 | 22.0 |    | 9.8  | 17.5 |   |
| 36-3M-06 | 36 | EF   | AL   | 34.38 | 33.62 | 39.0 | 26.0 |    | 10.3 | 18.0 |   |
| 40-3M-06 | 40 | EF   | AL   | 38.20 | 37.44 | 42.0 | 28.0 |    | 10.3 | 18.0 |   |
| 44-3M-06 | 44 | EF   | AL   | 42.02 | 41.26 | 48.0 | 33.0 |    | 10.3 | 18.0 |   |
| 48-3M-06 | 48 | E    | AL   | 45.84 | 45.08 |      | 33.0 |    | 10.3 | 18.6 | 8 |
| 60-3M-06 | 60 | E    | AL   | 57.30 | 56.54 |      | 33.0 |    | 10.3 | 18.6 | 8 |
| 72-3M-06 | 72 | E    | AL   | 68.75 | 67.99 |      | 33.0 |    | 10.3 | 18.6 | 8 |

**HTD 3M-09**

| CODE     | Z  | Type | MAT. | Od    | De    | Df   | d3   | D1 | W    | H    | d |
|----------|----|------|------|-------|-------|------|------|----|------|------|---|
| 10-3M-09 | 10 | AF   | AL   | 9.55  | 8.79  | 13.0 | 13.0 |    | 10.2 | 17.5 |   |
| 12-3M-09 | 12 | AF   | AL   | 11.46 | 10.70 | 15.0 | 15.0 |    | 10.2 | 17.5 |   |
| 14-3M-09 | 14 | AF   | AL   | 13.37 | 12.61 | 16.0 | 16.0 |    | 10.2 | 17.5 |   |
| 15-3M-09 | 15 | AF   | AL   | 14.32 | 13.56 | 17.5 | 17.5 |    | 10.2 | 17.5 |   |
| 16-3M-09 | 16 | EF   | AL   | 15.28 | 14.52 | 17.5 | 10.0 |    | 12.8 | 20.6 |   |
| 18-3M-09 | 18 | EF   | AL   | 17.19 | 16.43 | 20.0 | 11.0 |    | 12.8 | 20.6 |   |
| 20-3M-09 | 20 | EF   | AL   | 19.10 | 18.34 | 23.0 | 13.0 |    | 12.8 | 20.6 |   |
| 21-3M-09 | 21 | EF   | AL   | 20.05 | 19.29 | 25.0 | 13.0 |    | 12.8 | 20.6 |   |
| 22-3M-09 | 22 | EF   | AL   | 21.01 | 20.25 | 25.0 | 13.0 |    | 12.8 | 20.6 |   |
| 24-3M-09 | 24 | EF   | AL   | 22.92 | 22.16 | 25.0 | 13.0 |    | 12.8 | 20.6 |   |
| 26-3M-09 | 26 | EF   | AL   | 24.83 | 24.07 | 28.0 | 16.0 |    | 12.8 | 20.6 |   |
| 28-3M-09 | 28 | EF   | AL   | 26.74 | 25.98 | 32.0 | 18.0 |    | 12.8 | 20.6 |   |
| 30-3M-09 | 30 | EF   | AL   | 28.65 | 27.89 | 32.0 | 20.0 |    | 12.8 | 20.6 |   |
| 32-3M-09 | 32 | EF   | AL   | 30.56 | 29.80 | 36.0 | 22.0 |    | 12.8 | 20.6 |   |
| 36-3M-09 | 36 | EF   | AL   | 34.38 | 33.62 | 39.0 | 26.0 |    | 13.4 | 22.2 |   |
| 40-3M-09 | 40 | EF   | AL   | 38.20 | 37.44 | 42.0 | 28.0 |    | 13.4 | 22.2 |   |
| 44-3M-09 | 44 | EF   | AL   | 42.02 | 41.26 | 48.0 | 33.0 |    | 13.4 | 22.2 |   |
| 48-3M-09 | 48 | E    | AL   | 45.84 | 45.08 |      | 33.0 |    | 13.4 | 22.2 | 8 |
| 60-3M-09 | 60 | E    | AL   | 57.30 | 56.54 |      | 33.0 |    | 13.4 | 22.2 | 8 |
| 72-3M-09 | 72 | E    | AL   | 68.75 | 67.99 |      | 33.0 |    | 13.4 | 22.2 | 8 |

**HTD 3M-15**

| CODE     | Z  | Type | MAT. | Od    | De    | Df   | d3   | D1 | W    | H  | d |
|----------|----|------|------|-------|-------|------|------|----|------|----|---|
| 10-3M-15 | 10 | AF   | AL   | 9.55  | 8.79  | 13.0 | 13.0 |    | 17.0 | 26 |   |
| 12-3M-15 | 12 | AF   | AL   | 11.46 | 10.70 | 15.0 | 15.0 |    | 17.0 | 26 |   |
| 14-3M-15 | 14 | AF   | AL   | 13.37 | 12.61 | 16.0 | 16.0 |    | 17.0 | 26 |   |
| 15-3M-15 | 15 | AF   | AL   | 14.32 | 13.56 | 17.5 | 17.5 |    | 17.0 | 26 |   |
| 16-3M-15 | 16 | EF   | AL   | 15.28 | 14.52 | 17.5 | 10.0 |    | 19.5 | 26 |   |
| 18-3M-15 | 18 | EF   | AL   | 17.19 | 16.43 | 20.0 | 11.0 |    | 19.5 | 26 |   |
| 20-3M-15 | 20 | EF   | AL   | 19.10 | 18.34 | 23.0 | 13.0 |    | 19.5 | 26 |   |
| 21-3M-15 | 21 | EF   | AL   | 20.05 | 19.29 | 25.0 | 13.0 |    | 19.5 | 26 |   |
| 22-3M-15 | 22 | EF   | AL   | 21.01 | 20.25 | 25.0 | 13.0 |    | 19.5 | 26 |   |
| 24-3M-15 | 24 | EF   | AL   | 22.92 | 22.16 | 25.0 | 13.0 |    | 19.5 | 26 |   |
| 26-3M-15 | 26 | EF   | AL   | 24.83 | 24.07 | 28.0 | 16.0 |    | 19.5 | 26 |   |
| 28-3M-15 | 28 | EF   | AL   | 26.74 | 25.98 | 32.0 | 18.0 |    | 19.5 | 26 |   |
| 30-3M-15 | 30 | EF   | AL   | 28.65 | 27.89 | 32.0 | 20.0 |    | 19.5 | 26 |   |
| 32-3M-15 | 32 | EF   | AL   | 30.56 | 29.80 | 36.0 | 22.0 |    | 19.5 | 26 |   |
| 36-3M-15 | 36 | EF   | AL   | 34.38 | 33.62 | 39.0 | 26.0 |    | 20.0 | 30 |   |
| 40-3M-15 | 40 | EF   | AL   | 38.20 | 37.44 | 42.0 | 28.0 |    | 20.0 | 30 |   |
| 44-3M-15 | 44 | EF   | AL   | 42.02 | 41.26 | 48.0 | 33.0 |    | 20.0 | 30 |   |
| 48-3M-15 | 48 | E    | AL   | 45.84 | 45.08 |      | 33.0 |    | 20.0 | 30 | 8 |
| 60-3M-15 | 60 | E    | AL   | 57.30 | 56.54 |      | 33.0 |    | 20.0 | 30 | 8 |
| 72-3M-15 | 72 | E    | AL   | 68.75 | 67.99 |      | 33.0 |    | 20.0 | 30 | 8 |

**HTD 5M-09**

| CODE     | Z  | Type | MAT.  | Od    | De    | Df | d3   | D1 | W    | H    | d |
|----------|----|------|-------|-------|-------|----|------|----|------|------|---|
| 12-5M-09 | 12 | EF   | STEEL | 19.10 | 17.96 | 23 | 12.0 |    | 14.5 | 20.0 |   |
| 14-5M-09 | 14 | EF   | STEEL | 22.28 | 21.14 | 25 | 13.0 |    | 14.5 | 20.0 |   |
| 15-5M-09 | 15 | EF   | STEEL | 23.87 | 22.73 | 28 | 16.0 |    | 14.5 | 20.0 |   |
| 16-5M-09 | 16 | EF   | STEEL | 25.46 | 24.32 | 28 | 16.5 |    | 14.5 | 20.0 |   |
| 18-5M-09 | 18 | EF   | STEEL | 28.65 | 27.51 | 32 | 20.0 |    | 14.5 | 20.0 |   |
| 20-5M-09 | 20 | EF   | STEEL | 31.83 | 30.69 | 36 | 23.0 |    | 14.5 | 22.5 |   |
| 21-5M-09 | 21 | EF   | STEEL | 33.42 | 32.28 | 38 | 24.0 |    | 14.5 | 22.5 |   |
| 22-5M-09 | 22 | EF   | STEEL | 35.01 | 33.87 | 39 | 25.5 |    | 14.5 | 22.5 |   |
| 24-5M-09 | 24 | EF   | STEEL | 38.20 | 37.06 | 42 | 27.0 |    | 14.5 | 22.5 |   |



### HTD 5M-09

| CODE     | Z  | Type | MAT.  | Od     | De     | Df | d3   | D1  | W    | H    | d |
|----------|----|------|-------|--------|--------|----|------|-----|------|------|---|
| 26-5M-09 | 26 | EF   | STEEL | 41.38  | 40.24  | 44 | 30.0 |     | 14.5 | 22.5 |   |
| 28-5M-09 | 28 | EF   | STEEL | 44.56  | 43.42  | 48 | 30.5 |     | 14.5 | 22.5 |   |
| 30-5M-09 | 30 | EF   | STEEL | 47.75  | 46.60  | 51 | 35.0 |     | 14.5 | 22.5 |   |
| 32-5M-09 | 32 | EF   | STEEL | 50.93  | 49.79  | 54 | 38.0 |     | 14.5 | 22.5 | 8 |
| 36-5M-09 | 36 | EF   | STEEL | 57.30  | 56.16  | 60 | 38.0 |     | 14.5 | 22.5 | 8 |
| 40-5M-09 | 40 | EF   | STEEL | 63.66  | 62.52  | 71 | 38.0 |     | 14.5 | 22.5 | 8 |
| 44-5M-09 | 44 | EC   | AL    | 70.03  | 68.89  |    | 38.0 | 54  | 14.5 | 22.5 | 8 |
| 48-5M-09 | 48 | EC   | AL    | 76.39  | 75.25  |    | 45.0 | 61  | 14.5 | 22.5 | 8 |
| 60-5M-09 | 60 | EC   | AL    | 95.49  | 94.35  |    | 45.0 | 80  | 14.5 | 22.5 | 8 |
| 72-5M-09 | 72 | EC   | AL    | 114.59 | 113.45 |    | 45.0 | 100 | 14.5 | 22.5 | 8 |

### HTD 5M-15

| CODE     | Z  | Type | MAT.  | Od     | De     | Df | d3   | D1  | W    | H  | d |
|----------|----|------|-------|--------|--------|----|------|-----|------|----|---|
| 12-5M-15 | 12 | EF   | STEEL | 19.10  | 17.96  | 23 | 12.0 |     | 20.5 | 26 |   |
| 14-5M-15 | 14 | EF   | STEEL | 22.28  | 21.14  | 25 | 13.0 |     | 20.5 | 26 |   |
| 15-5M-15 | 15 | EF   | STEEL | 23.87  | 22.73  | 28 | 16.0 |     | 20.5 | 26 |   |
| 16-5M-15 | 16 | EF   | STEEL | 25.46  | 24.32  | 28 | 16.5 |     | 20.5 | 26 |   |
| 18-5M-15 | 18 | EF   | STEEL | 28.65  | 27.51  | 32 | 20.0 |     | 20.5 | 26 |   |
| 20-5M-15 | 20 | EF   | STEEL | 31.83  | 30.69  | 36 | 23.0 |     | 20.5 | 26 |   |
| 21-5M-15 | 21 | EF   | STEEL | 33.42  | 32.28  | 38 | 24.0 |     | 20.5 | 26 |   |
| 22-5M-15 | 22 | EF   | STEEL | 35.01  | 33.87  | 39 | 25.5 |     | 20.5 | 26 |   |
| 24-5M-15 | 24 | EF   | STEEL | 38.20  | 37.06  | 42 | 27.0 |     | 20.5 | 28 |   |
| 26-5M-15 | 26 | EF   | STEEL | 41.38  | 40.24  | 44 | 30.0 |     | 20.5 | 28 |   |
| 28-5M-15 | 28 | EF   | STEEL | 44.56  | 43.42  | 48 | 30.5 |     | 20.5 | 28 |   |
| 30-5M-15 | 30 | EF   | STEEL | 47.75  | 46.60  | 51 | 35.0 |     | 20.5 | 28 |   |
| 32-5M-15 | 32 | EF   | STEEL | 50.93  | 49.79  | 54 | 38.0 |     | 20.5 | 28 | 8 |
| 36-5M-15 | 36 | EF   | STEEL | 57.30  | 56.16  | 60 | 38.0 |     | 20.5 | 28 | 8 |
| 40-5M-15 | 40 | EF   | STEEL | 63.66  | 62.52  | 71 | 38.0 |     | 20.5 | 28 | 8 |
| 44-5M-15 | 44 | EC   | AL    | 70.03  | 68.89  |    | 38.0 | 54  | 20.5 | 30 | 8 |
| 48-5M-15 | 48 | EC   | AL    | 76.39  | 75.25  |    | 45.0 | 61  | 20.5 | 30 | 8 |
| 60-5M-15 | 60 | EC   | AL    | 95.49  | 94.35  |    | 45.0 | 80  | 20.5 | 30 | 8 |
| 72-5M-15 | 72 | EC   | AL    | 114.59 | 113.45 |    | 45.0 | 100 | 20.5 | 30 | 8 |

### HTD 5M-25

| CODE     | Z  | Type | MAT.  | Od     | De     | Df | d3   | D1  | W    | H    | d |
|----------|----|------|-------|--------|--------|----|------|-----|------|------|---|
| 12-5M-25 | 12 | EF   | STEEL | 19.10  | 17.96  | 23 | 12.0 |     | 30.5 | 36.0 |   |
| 14-5M-25 | 14 | EF   | STEEL | 22.28  | 21.14  | 25 | 13.0 |     | 30.5 | 36.0 |   |
| 15-5M-25 | 15 | EF   | STEEL | 23.87  | 22.73  | 28 | 16.0 |     | 30.5 | 36.0 |   |
| 16-5M-25 | 16 | EF   | STEEL | 25.46  | 24.32  | 28 | 16.5 |     | 30.5 | 36.0 |   |
| 18-5M-25 | 18 | EF   | STEEL | 28.65  | 27.51  | 32 | 20.0 |     | 30.5 | 36.0 |   |
| 20-5M-25 | 20 | EF   | STEEL | 31.83  | 30.69  | 36 | 23.0 |     | 30.5 | 36.5 |   |
| 21-5M-25 | 21 | EF   | STEEL | 33.42  | 32.28  | 38 | 24.0 |     | 30.5 | 38.5 |   |
| 22-5M-25 | 22 | EF   | STEEL | 35.01  | 33.87  | 39 | 25.5 |     | 30.5 | 38.5 |   |
| 24-5M-25 | 24 | EF   | STEEL | 38.20  | 37.06  | 42 | 27.0 |     | 30.5 | 38.5 |   |
| 26-5M-25 | 26 | EF   | STEEL | 41.38  | 40.24  | 44 | 30.0 |     | 30.5 | 38.5 |   |
| 28-5M-25 | 28 | EF   | STEEL | 44.56  | 43.42  | 48 | 30.5 |     | 30.5 | 38.5 |   |
| 30-5M-25 | 30 | EF   | STEEL | 47.75  | 46.60  | 51 | 35.0 |     | 30.5 | 38.5 |   |
| 32-5M-25 | 32 | EF   | STEEL | 50.93  | 49.79  | 54 | 38.0 |     | 30.5 | 38.5 | 8 |
| 36-5M-25 | 36 | EF   | STEEL | 57.30  | 56.16  | 60 | 38.0 |     | 30.5 | 38.5 | 8 |
| 40-5M-25 | 40 | EF   | STEEL | 63.66  | 62.52  | 71 | 38.0 |     | 30.5 | 38.5 | 8 |
| 44-5M-25 | 44 | EC   | AL    | 70.03  | 68.89  |    | 38.0 | 54  | 30.5 | 40.5 | 8 |
| 48-5M-25 | 48 | EC   | AL    | 76.39  | 75.25  |    | 45.0 | 61  | 30.5 | 40.5 | 8 |
| 60-5M-25 | 60 | EC   | AL    | 95.49  | 94.35  |    | 45.0 | 80  | 30.5 | 40.5 | 8 |
| 72-5M-25 | 72 | EC   | AL    | 114.59 | 113.45 |    | 45.0 | 100 | 30.5 | 40.5 | 8 |

### HTD 8M-20

| CODE      | Z   | Type | MAT.      | Od     | De     | Df  | d3  | D1  | W  | H  | d  |
|-----------|-----|------|-----------|--------|--------|-----|-----|-----|----|----|----|
| 22-8M-20  | 22  | EF   | STEEL     | 56.02  | 54.65  | 60  | 43  |     | 28 | 38 | 12 |
| 24-8M-20  | 24  | EF   | STEEL     | 61.12  | 59.75  | 66  | 45  |     | 28 | 38 | 12 |
| 26-8M-20  | 26  | EF   | STEEL     | 66.21  | 64.84  | 70  | 48  |     | 28 | 38 | 12 |
| 28-8M-20  | 28  | EF   | STEEL     | 71.30  | 70.08  | 75  | 50  |     | 28 | 38 | 15 |
| 30-8M-20  | 30  | EF   | STEEL     | 76.39  | 75.13  | 83  | 55  |     | 28 | 38 | 15 |
| 32-8M-20  | 32  | EF   | STEEL     | 81.49  | 80.16  | 87  | 60  |     | 28 | 38 | 15 |
| 34-8M-20  | 34  | EF   | STEEL     | 86.58  | 85.22  | 91  | 70  |     | 28 | 38 | 15 |
| 36-8M-20  | 36  | EF   | STEEL     | 91.67  | 90.30  | 97  | 75  |     | 28 | 38 | 15 |
| 38-8M-20  | 38  | EF   | STEEL     | 96.77  | 95.39  | 102 | 75  |     | 28 | 38 | 15 |
| 40-8M-20  | 40  | EF   | STEEL     | 101.86 | 100.49 | 106 | 75  |     | 28 | 38 | 15 |
| 44-8M-20  | 44  | EF   | STEEL     | 112.05 | 110.67 | 120 | 75  |     | 28 | 38 | 15 |
| 48-8M-20  | 48  | EF   | STEEL     | 122.23 | 120.86 | 128 | 75  |     | 28 | 38 | 15 |
| 56-8M-20  | 56  | ECF  | STEEL     | 142.60 | 141.23 | 150 | 80  | 116 | 28 | 38 | 15 |
| 64-8M-20  | 64  | ECF  | STEEL     | 162.97 | 161.60 | 168 | 80  | 137 | 28 | 38 | 15 |
| 72-8M-20  | 72  | ECF  | STEEL     | 183.35 | 181.97 | 192 | 80  | 158 | 28 | 38 | 15 |
| 80-8M-20  | 80  | EC   | CAST IRON | 203.72 | 202.35 |     | 90  | 180 | 28 | 38 | 15 |
| 90-8M-20  | 90  | EA   | CAST IRON | 229.18 | 227.81 |     | 90  | 204 | 28 | 38 | 15 |
| 112-8M-20 | 112 | EA   | CAST IRON | 285.12 | 283.83 |     | 90  | 254 | 28 | 38 | 18 |
| 144-8M-20 | 144 | EA   | CAST IRON | 366.69 | 365.32 |     | 90  | 336 | 28 | 38 | 20 |
| 168-8M-20 | 168 | EA   | CAST IRON | 427.81 | 426.44 |     | 100 | 400 | 28 | 38 | 20 |
| 192-8M-20 | 192 | EA   | CAST IRON | 488.92 | 487.55 |     | 100 | 460 | 28 | 38 | 20 |

### HTD 8M-30

| CODE      | Z   | Type | MAT.      | Od     | De     | Df  | d3  | D1 | W  | H  | d  |
|-----------|-----|------|-----------|--------|--------|-----|-----|----|----|----|----|
| 22-8M-30  | 22  | EF   | STEEL     | 56.02  | 54.65  | 60  | 43  |    | 38 | 48 | 12 |
| 24-8M-30  | 24  | EF   | STEEL     | 61.12  | 59.75  | 66  | 45  |    | 38 | 48 | 12 |
| 26-8M-30  | 26  | EF   | STEEL     | 66.21  | 64.84  | 70  | 48  |    | 38 | 48 | 12 |
| 28-8M-30  | 28  | EF   | STEEL     | 71.30  | 70.08  | 75  | 50  |    | 38 | 48 | 15 |
| 30-8M-30  | 30  | EF   | STEEL     | 76.39  | 75.13  | 83  | 55  |    | 38 | 48 | 15 |
| 32-8M-30  | 32  | EF   | STEEL     | 81.49  | 80.16  | 87  | 60  |    | 38 | 48 | 15 |
| 34-8M-30  | 34  | EF   | STEEL     | 86.58  | 85.22  | 91  | 70  |    | 38 | 48 | 15 |
| 36-8M-30  | 36  | EF   | STEEL     | 91.67  | 90.30  | 97  | 75  |    | 38 | 48 | 15 |
| 38-8M-30  | 38  | EF   | STEEL     | 96.77  | 95.39  | 102 | 75  |    | 38 | 48 | 15 |
| 40-8M-30  | 40  | EF   | STEEL     | 101.86 | 100.49 | 106 | 75  |    | 38 | 48 | 15 |
| 44-8M-30  | 44  | EF   | STEEL     | 112.05 | 110.67 | 120 | 75  |    | 38 | 48 | 15 |
| 48-8M-30  | 48  | EF   | STEEL     | 122.23 | 120.86 | 128 | 75  |    | 38 | 48 | 15 |
| 56-8M-30  | 56  | ECF  | STEEL     | 142.60 | 141.23 | 150 | 90  |    | 38 | 48 | 15 |
| 64-8M-30  | 64  | ECF  | STEEL     | 162.97 | 161.60 | 168 | 90  |    | 38 | 48 | 15 |
| 72-8M-30  | 72  | ECF  | STEEL     | 183.35 | 181.97 | 192 | 95  |    | 38 | 48 | 15 |
| 80-8M-30  | 80  | EC   | CAST IRON | 203.72 | 202.35 |     | 100 |    | 38 | 48 | 15 |
| 90-8M-30  | 90  | EA   | CAST IRON | 229.18 | 227.81 |     | 100 |    | 38 | 48 | 15 |
| 112-8M-30 | 112 | EA   | CAST IRON | 285.12 | 283.83 |     | 100 |    | 38 | 48 | 18 |
| 144-8M-30 | 144 | EA   | CAST IRON | 366.69 | 365.32 |     | 100 |    | 38 | 48 | 20 |
| 168-8M-30 | 168 | EA   | CAST IRON | 427.81 | 426.44 |     | 100 |    | 38 | 48 | 20 |
| 192-8M-30 | 192 | EA   | CAST IRON | 488.92 | 487.55 |     | 100 |    | 38 | 48 | 20 |

### HTD 8M-50

| CODE     | Z  | Type | MAT.  | Od    | De    | Df | d3 | D1 | W  | H  | d  |
|----------|----|------|-------|-------|-------|----|----|----|----|----|----|
| 22-8M-50 | 22 | EF   | STEEL | 56.02 | 54.65 | 60 | 43 |    | 60 | 70 | 12 |
| 24-8M-50 | 24 | EF   | STEEL | 61.12 | 59.75 | 66 | 45 |    | 60 | 70 | 12 |
| 26-8M-50 | 26 | EF   | STEEL | 66.21 | 64.84 | 70 | 48 |    | 60 | 70 | 15 |
| 28-8M-50 | 28 | EF   | STEEL | 71.30 | 70.08 | 75 | 50 |    | 60 | 70 | 15 |
| 30-8M-50 | 30 | EF   | STEEL | 76.39 | 75.13 | 83 | 55 |    | 60 | 70 | 15 |
| 32-8M-50 | 32 | EF   | STEEL | 81.49 | 80.16 | 87 | 60 |    | 60 | 70 | 15 |

### HTD 8M-50

| CODE      | Z   | Type | MAT.      | Od     | De     | Df  | d3  | D1  | W  | H  | d  |
|-----------|-----|------|-----------|--------|--------|-----|-----|-----|----|----|----|
| 34-8M-50  | 34  | EF   | STEEL     | 86.58  | 85.22  | 91  | 70  |     | 60 | 70 | 15 |
| 36-8M-50  | 36  | EF   | STEEL     | 91.67  | 90.30  | 97  | 75  |     | 60 | 70 | 15 |
| 38-8M-50  | 38  | EF   | STEEL     | 96.77  | 95.39  | 102 | 75  |     | 60 | 70 | 15 |
| 40-8M-50  | 40  | EF   | STEEL     | 101.86 | 100.49 | 106 | 75  |     | 60 | 70 | 18 |
| 44-8M-50  | 44  | EF   | STEEL     | 112.05 | 110.67 | 120 | 75  |     | 60 | 70 | 18 |
| 48-8M-50  | 48  | EF   | STEEL     | 122.23 | 120.86 | 128 | 75  |     | 60 | 70 | 18 |
| 56-8M-50  | 56  | JCF  | STEEL     | 142.60 | 141.23 | 150 | 80  | 116 | 60 | 70 | 18 |
| 64-8M-50  | 64  | JCF  | STEEL     | 162.97 | 161.60 | 168 | 80  | 137 | 60 | 70 | 18 |
| 72-8M-50  | 72  | JCF  | STEEL     | 183.35 | 181.97 | 192 | 80  | 158 | 60 | 70 | 18 |
| 80-8M-50  | 80  | JC   | CAST IRON | 203.72 | 202.35 |     | 110 | 180 | 60 | 70 | 18 |
| 90-8M-50  | 90  | JA   | CAST IRON | 229.18 | 227.81 |     | 110 | 204 | 60 | 70 | 18 |
| 112-8M-50 | 112 | JA   | CAST IRON | 285.12 | 283.83 |     | 110 | 254 | 60 | 70 | 18 |
| 144-8M-50 | 144 | JA   | CAST IRON | 366.69 | 365.32 |     | 110 | 336 | 60 | 70 | 20 |
| 168-8M-50 | 168 | JA   | CAST IRON | 427.81 | 426.44 |     | 120 | 400 | 60 | 70 | 20 |
| 192-8M-50 | 192 | JA   | CAST IRON | 488.92 | 487.55 |     | 130 | 460 | 60 | 70 | 20 |

### HTD 8M-85

| CODE      | Z   | Type | MAT.      | Df     | De     | Df  | d3  | D1  | W  | H   | d  |
|-----------|-----|------|-----------|--------|--------|-----|-----|-----|----|-----|----|
| 22-8M-85  | 22  | EF   | STEEL     | 56.02  | 54.65  | 60  | 43  |     | 95 | 105 | 12 |
| 24-8M-85  | 24  | EF   | STEEL     | 61.12  | 59.75  | 66  | 45  |     | 95 | 105 | 12 |
| 26-8M-85  | 26  | EF   | STEEL     | 66.21  | 64.84  | 70  | 48  |     | 95 | 105 | 12 |
| 28-8M-85  | 28  | EF   | STEEL     | 71.30  | 70.08  | 75  | 50  |     | 95 | 105 | 15 |
| 30-8M-85  | 30  | EF   | STEEL     | 76.39  | 75.13  | 83  | 55  |     | 95 | 105 | 15 |
| 32-8M-85  | 32  | EF   | STEEL     | 81.49  | 80.16  | 87  | 60  |     | 95 | 105 | 15 |
| 34-8M-85  | 34  | EF   | STEEL     | 86.58  | 85.22  | 91  | 66  |     | 95 | 105 | 15 |
| 36-8M-85  | 36  | EF   | STEEL     | 91.67  | 90.30  | 97  | 70  |     | 95 | 105 | 15 |
| 38-8M-85  | 38  | EF   | STEEL     | 96.77  | 95.39  | 102 | 75  |     | 95 | 105 | 15 |
| 40-8M-85  | 40  | EF   | STEEL     | 101.86 | 100.49 | 106 | 75  |     | 95 | 105 | 18 |
| 44-8M-85  | 44  | EF   | STEEL     | 112.05 | 110.67 | 120 | 75  |     | 95 | 105 | 18 |
| 48-8M-85  | 48  | EF   | STEEL     | 122.23 | 120.86 | 128 | 80  |     | 95 | 105 | 18 |
| 56-8M-85  | 56  | EF   | STEEL     | 142.60 | 141.23 | 150 | 90  | 116 | 95 | 105 | 18 |
| 64-8M-85  | 64  | JCF  | STEEL     | 162.97 | 161.60 | 168 | 100 | 137 | 95 | 105 | 20 |
| 72-8M-85  | 72  | JCF  | STEEL     | 183.35 | 181.97 | 192 | 100 | 158 | 95 | 105 | 20 |
| 80-8M-85  | 80  | JC   | CAST IRON | 203.72 | 202.35 |     | 110 | 180 | 95 | 105 | 20 |
| 90-8M-85  | 90  | JA   | CAST IRON | 229.18 | 227.81 |     | 110 | 204 | 95 | 105 | 20 |
| 112-8M-85 | 112 | JA   | CAST IRON | 285.12 | 283.83 |     | 110 | 254 | 95 | 105 | 24 |
| 144-8M-85 | 144 | JA   | CAST IRON | 366.69 | 365.32 |     | 110 | 336 | 95 | 105 | 24 |
| 168-8M-85 | 168 | JA   | CAST IRON | 427.81 | 426.44 |     | 120 | 400 | 95 | 105 | 24 |
| 192-8M-85 | 192 | JA   | CAST IRON | 488.92 | 487.55 |     | 130 | 460 | 95 | 105 | 24 |

### HTD 14M-40

| CODE      | Z  | Type | MAT.      | Od     | De     | Df  | d3  | D1  | W  | H  | d  |
|-----------|----|------|-----------|--------|--------|-----|-----|-----|----|----|----|
| 28-14M-40 | 28 | EF   | STEEL     | 124.78 | 122.12 | 128 | 100 |     | 54 | 69 | 24 |
| 29-14M-40 | 29 | EF   | STEEL     | 129.23 | 126.57 | 138 | 100 |     | 54 | 69 | 24 |
| 30-14M-40 | 30 | EF   | STEEL     | 133.69 | 130.99 | 138 | 100 |     | 54 | 69 | 24 |
| 32-14M-40 | 32 | EF   | STEEL     | 142.60 | 139.88 | 154 | 100 |     | 54 | 69 | 24 |
| 34-14M-40 | 34 | EF   | STEEL     | 151.52 | 148.79 | 160 | 100 |     | 54 | 69 | 24 |
| 36-14M-40 | 36 | EF   | STEEL     | 160.43 | 157.68 | 168 | 100 |     | 54 | 69 | 24 |
| 38-14M-40 | 38 | EF   | STEEL     | 169.34 | 166.60 | 183 | 120 |     | 54 | 69 | 24 |
| 40-14M-40 | 40 | EF   | STEEL     | 178.25 | 175.49 | 188 | 120 |     | 54 | 69 | 24 |
| 44-14M-40 | 44 | EF   | STEEL     | 196.08 | 193.28 | 211 | 120 |     | 54 | 69 | 24 |
| 48-14M-40 | 48 | ECF  | CAST IRON | 213.90 | 211.11 | 226 | 135 | 170 | 54 | 69 | 24 |
| 56-14M-40 | 56 | ECF  | CAST IRON | 249.55 | 246.76 | 256 | 135 | 207 | 54 | 69 | 28 |
| 64-14M-40 | 64 | ECF  | CAST IRON | 285.21 | 282.41 | 296 | 135 | 240 | 54 | 69 | 28 |

### HTD 14M-40

| CODE       | Z   | Type | MAT.      | Od     | De     | Df | d3  | D1  | W  | H  | d  |
|------------|-----|------|-----------|--------|--------|----|-----|-----|----|----|----|
| 72-14M-40  | 72  | EA   | CAST IRON | 320.86 | 318.06 |    | 135 | 280 | 54 | 69 | 28 |
| 80-14M-40  | 80  | EA   | CAST IRON | 356.51 | 353.71 |    | 135 | 314 | 54 | 69 | 28 |
| 90-14M-40  | 90  | EA   | CAST IRON | 401.07 | 398.28 |    | 135 | 358 | 54 | 69 | 28 |
| 112-14M-40 | 112 | EA   | CAST IRON | 499.11 | 496.32 |    | 135 | 456 | 54 | 69 | 28 |
| 144-14M-40 | 144 | EA   | CAST IRON | 641.71 | 638.92 |    | 135 | 600 | 54 | 69 | 28 |
| 168-14M-40 | 168 | EA   | CAST IRON | 748.66 | 745.87 |    | 135 | 706 | 54 | 69 | 28 |
| 192-14M-40 | 192 | EA   | CAST IRON | 855.62 | 852.82 |    | 135 | 813 | 54 | 69 | 28 |
| 216-14M-40 | 216 | EA   | CAST IRON | 962.57 | 959.76 |    | 150 | 920 | 54 | 69 | 28 |

### HTD 14M-55

| CODE       | Z   | Type | MAT.      | Od     | De     | Df  | d3  | D1  | W  | H  | d  |
|------------|-----|------|-----------|--------|--------|-----|-----|-----|----|----|----|
| 28-14M-55  | 28  | EF   | STEEL     | 124.78 | 122.12 | 128 | 100 |     | 70 | 89 | 24 |
| 29-14M-55  | 29  | EF   | STEEL     | 129.23 | 126.57 | 138 | 100 |     | 70 | 89 | 24 |
| 30-14M-55  | 30  | EF   | STEEL     | 133.69 | 130.99 | 138 | 100 |     | 70 | 89 | 24 |
| 32-14M-55  | 32  | EF   | STEEL     | 142.60 | 139.88 | 154 | 100 |     | 70 | 89 | 24 |
| 34-14M-55  | 34  | EF   | STEEL     | 151.52 | 148.79 | 160 | 100 |     | 70 | 89 | 24 |
| 36-14M-55  | 36  | EF   | STEEL     | 160.43 | 157.68 | 168 | 100 |     | 70 | 89 | 24 |
| 38-14M-55  | 38  | EF   | STEEL     | 169.34 | 166.60 | 183 | 120 |     | 70 | 89 | 24 |
| 40-14M-55  | 40  | EF   | STEEL     | 178.25 | 175.49 | 188 | 120 |     | 70 | 89 | 24 |
| 44-14M-55  | 44  | EF   | STEEL     | 196.08 | 193.28 | 211 | 120 |     | 70 | 89 | 24 |
| 48-14M-55  | 48  | JCF  | CAST IRON | 213.90 | 211.11 | 226 | 135 | 170 | 70 | 89 | 24 |
| 56-14M-55  | 56  | JCF  | CAST IRON | 249.55 | 246.76 | 256 | 135 | 207 | 70 | 89 | 28 |
| 64-14M-55  | 64  | JCF  | CAST IRON | 285.21 | 282.41 | 296 | 135 | 240 | 70 | 89 | 28 |
| 72-14M-55  | 72  | JA   | CAST IRON | 320.86 | 318.06 |     | 135 | 280 | 70 | 89 | 28 |
| 80-14M-55  | 80  | JA   | CAST IRON | 356.51 | 353.71 |     | 135 | 314 | 70 | 89 | 28 |
| 90-14M-55  | 90  | JA   | CAST IRON | 401.07 | 398.28 |     | 135 | 358 | 70 | 89 | 28 |
| 112-14M-55 | 112 | JA   | CAST IRON | 499.11 | 496.32 |     | 135 | 456 | 70 | 89 | 28 |
| 144-14M-55 | 144 | JA   | CAST IRON | 641.71 | 638.92 |     | 135 | 600 | 70 | 89 | 28 |
| 168-14M-55 | 168 | JA   | CAST IRON | 748.66 | 745.87 |     | 135 | 706 | 70 | 89 | 28 |
| 192-14M-55 | 192 | JA   | CAST IRON | 855.62 | 852.82 |     | 135 | 813 | 70 | 89 | 28 |
| 216-14M-55 | 216 | JA   | CAST IRON | 962.57 | 959.76 |     | 150 | 920 | 70 | 89 | 28 |

### HTD 14M-85

| CODE       | Z   | Type | MAT.      | Od     | De     | Df  | d3  | D1  | W   | H   | d  |
|------------|-----|------|-----------|--------|--------|-----|-----|-----|-----|-----|----|
| 28-14M-85  | 28  | EF   | STEEL     | 124.78 | 122.12 | 128 | 100 |     | 102 | 117 | 24 |
| 29-14M-85  | 29  | EF   | STEEL     | 129.23 | 126.57 | 138 | 100 |     | 102 | 117 | 24 |
| 30-14M-85  | 30  | EF   | STEEL     | 133.69 | 130.99 | 138 | 100 |     | 102 | 117 | 24 |
| 32-14M-85  | 32  | EF   | STEEL     | 142.60 | 139.88 | 154 | 100 |     | 102 | 117 | 24 |
| 34-14M-85  | 34  | EF   | STEEL     | 151.52 | 148.79 | 160 | 100 |     | 102 | 117 | 24 |
| 36-14M-85  | 36  | EF   | STEEL     | 160.43 | 157.68 | 168 | 100 |     | 102 | 117 | 32 |
| 38-14M-85  | 38  | EF   | STEEL     | 169.34 | 166.60 | 183 | 120 |     | 102 | 117 | 32 |
| 40-14M-85  | 40  | EF   | STEEL     | 178.25 | 175.49 | 188 | 135 |     | 102 | 117 | 32 |
| 44-14M-85  | 44  | EF   | STEEL     | 196.08 | 193.28 | 211 | 135 |     | 102 | 117 | 32 |
| 48-14M-85  | 48  | EF   | STEEL     | 213.90 | 211.11 | 226 | 150 |     | 102 | 117 | 32 |
| 56-14M-85  | 56  | JCF  | CAST IRON | 249.55 | 246.76 | 256 | 150 | 207 | 102 | 117 | 32 |
| 64-14M-85  | 64  | JCF  | CAST IRON | 285.21 | 282.41 | 296 | 150 | 240 | 102 | 102 | 32 |
| 72-14M-85  | 72  | JA   | CAST IRON | 320.86 | 318.06 |     | 150 | 278 | 102 | 102 | 32 |
| 80-14M-85  | 80  | JA   | CAST IRON | 356.51 | 353.71 |     | 150 | 314 | 102 | 102 | 32 |
| 90-14M-85  | 90  | JA   | CAST IRON | 401.07 | 398.28 |     | 150 | 358 | 102 | 102 | 32 |
| 112-14M-85 | 112 | JA   | CAST IRON | 499.11 | 496.32 |     | 150 | 456 | 102 | 102 | 32 |
| 144-14M-85 | 144 | JA   | CAST IRON | 641.71 | 638.92 |     | 150 | 600 | 102 | 102 | 32 |
| 168-14M-85 | 168 | JA   | CAST IRON | 748.66 | 745.87 |     | 150 | 706 | 102 | 102 | 32 |
| 192-14M-85 | 192 | JA   | CAST IRON | 855.62 | 852.82 |     | 165 | 813 | 102 | 102 | 32 |
| 216-14M-85 | 216 | JA   | CAST IRON | 962.57 | 959.76 |     | 160 | 920 | 102 | 102 | 32 |

## HTD 14M-115

| CODE        | Z   | Type | MAT.      | Od     | De     | Df  | d3  | D1  | W   | H   | d  |
|-------------|-----|------|-----------|--------|--------|-----|-----|-----|-----|-----|----|
| 28-14M-115  | 28  | EF   | STEEL     | 124.78 | 122.12 | 128 | 100 |     | 133 | 148 | 32 |
| 29-14M-115  | 29  | EF   | STEEL     | 129.23 | 126.57 | 138 | 100 |     | 133 | 148 | 32 |
| 30-14M-115  | 30  | EF   | STEEL     | 133.69 | 130.99 | 138 | 100 |     | 133 | 148 | 32 |
| 32-14M-115  | 32  | EF   | STEEL     | 142.60 | 139.88 | 154 | 100 |     | 133 | 148 | 32 |
| 34-14M-115  | 34  | EF   | STEEL     | 151.52 | 148.79 | 160 | 100 |     | 133 | 148 | 32 |
| 36-14M-115  | 36  | EF   | STEEL     | 160.43 | 157.68 | 168 | 100 |     | 133 | 148 | 32 |
| 38-14M-115  | 38  | EF   | STEEL     | 169.34 | 166.60 | 183 | 120 |     | 133 | 148 | 32 |
| 40-14M-115  | 40  | EF   | STEEL     | 178.25 | 175.49 | 188 | 135 |     | 133 | 148 | 32 |
| 44-14M-115  | 44  | EF   | STEEL     | 196.08 | 193.28 | 211 | 140 |     | 133 | 148 | 32 |
| 48-14M-115  | 48  | EF   | STEEL     | 213.90 | 211.11 | 226 | 150 |     | 133 | 148 | 32 |
| 56-14M-115  | 56  | EF   | STEEL     | 249.55 | 246.76 | 256 | 150 |     | 133 | 148 | 32 |
| 64-14M-115  | 64  | JCF  | CAST IRON | 285.21 | 282.41 | 296 | 150 | 240 | 133 | 133 | 32 |
| 72-14M-115  | 72  | JA   | CAST IRON | 320.86 | 318.06 |     | 150 | 278 | 133 | 133 | 32 |
| 80-14M-115  | 80  | JA   | CAST IRON | 356.51 | 353.71 |     | 150 | 314 | 133 | 133 | 32 |
| 90-14M-115  | 90  | JA   | CAST IRON | 401.07 | 398.28 |     | 150 | 358 | 133 | 133 | 32 |
| 112-14M-115 | 112 | JA   | CAST IRON | 499.11 | 496.32 |     | 150 | 456 | 133 | 133 | 32 |
| 144-14M-115 | 144 | JA   | CAST IRON | 641.71 | 638.92 |     | 165 | 600 | 133 | 133 | 32 |
| 168-14M-115 | 168 | JA   | CAST IRON | 748.66 | 745.87 |     | 165 | 706 | 133 | 133 | 32 |
| 192-14M-115 | 192 | JA   | CAST IRON | 855.62 | 852.82 |     | 165 | 813 | 133 | 133 | 32 |
| 216-14M-115 | 216 | JA   | CAST IRON | 962.57 | 959.76 |     | 165 | 920 | 133 | 133 | 32 |

## HTD 14M-170

| CODE        | Z   | Type | MAT.      | Od     | De     | Df  | d3  | D1  | W   | H   | d  |
|-------------|-----|------|-----------|--------|--------|-----|-----|-----|-----|-----|----|
| 28-14M-170  | 28  | EF   | STEEL     | 124.78 | 122.12 | 128 | 100 |     | 133 | 148 | 32 |
| 29-14M-170  | 29  | EF   | STEEL     | 129.23 | 126.57 | 138 | 100 |     | 133 | 148 | 32 |
| 30-14M-170  | 30  | EF   | STEEL     | 133.69 | 130.99 | 138 | 100 |     | 133 | 148 | 32 |
| 32-14M-170  | 32  | EF   | STEEL     | 142.60 | 139.88 | 154 | 100 |     | 133 | 148 | 32 |
| 34-14M-170  | 34  | EF   | STEEL     | 151.52 | 148.79 | 160 | 100 |     | 133 | 148 | 32 |
| 36-14M-170  | 36  | EF   | STEEL     | 160.43 | 157.68 | 168 | 100 |     | 133 | 148 | 32 |
| 38-14M-170  | 38  | EF   | STEEL     | 169.34 | 166.60 | 183 | 120 |     | 133 | 148 | 32 |
| 40-14M-170  | 40  | EF   | STEEL     | 178.25 | 175.49 | 188 | 135 |     | 133 | 148 | 32 |
| 44-14M-170  | 44  | EF   | STEEL     | 196.08 | 193.28 | 211 | 140 |     | 133 | 148 | 32 |
| 48-14M-170  | 48  | EF   | CAST IRON | 213.90 | 211.11 | 226 | 150 |     | 133 | 148 | 32 |
| 56-14M-170  | 56  | EF   | CAST IRON | 249.55 | 246.76 | 256 | 150 |     | 133 | 148 | 32 |
| 64-14M-170  | 64  | JCF  | CAST IRON | 285.21 | 282.41 | 296 | 150 | 240 | 133 | 133 | 32 |
| 72-14M-170  | 72  | JA   | CAST IRON | 320.86 | 318.06 |     | 150 | 278 | 133 | 133 | 32 |
| 80-14M-170  | 80  | JA   | CAST IRON | 356.51 | 353.71 |     | 150 | 314 | 133 | 133 | 32 |
| 90-14M-170  | 90  | JA   | CAST IRON | 401.07 | 398.28 |     | 150 | 358 | 133 | 133 | 32 |
| 112-14M-170 | 112 | JA   | CAST IRON | 499.11 | 496.32 |     | 150 | 456 | 133 | 133 | 32 |
| 144-14M-170 | 144 | JA   | CAST IRON | 641.71 | 638.92 |     | 165 | 600 | 133 | 133 | 32 |
| 168-14M-170 | 168 | JA   | CAST IRON | 748.66 | 745.87 |     | 165 | 706 | 133 | 133 | 32 |
| 192-14M-170 | 192 | JA   | CAST IRON | 855.62 | 852.82 |     | 165 | 813 | 133 | 133 | 32 |
| 216-14M-170 | 216 | JA   | CAST IRON | 962.57 | 959.76 |     | 165 | 920 | 133 | 133 | 32 |