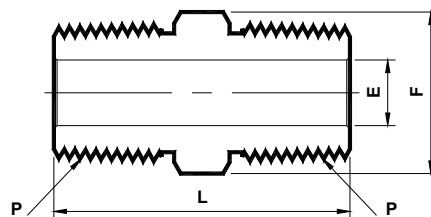


### 03. Hex Nipple

ISO Tapered (M) x ISO Tapered (M)  
(IT - PHN)



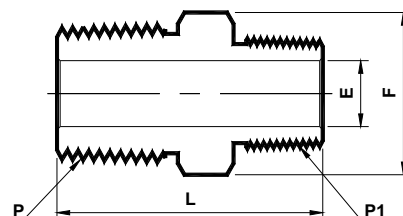
| Sr. No.              | ISO ②<br>Male Pipe<br>Size<br>P | Ref Part No. | L    | ØE ① | Hex<br>F |
|----------------------|---------------------------------|--------------|------|------|----------|
| Dimensions in Inches |                                 |              |      |      |          |
| 1                    | 1/8 x 28                        | 2IT PHN      | 1.01 | 0.18 | 7/16     |
| 2                    | 1/4 x 19                        | 4IT PHN      | 1.40 | 0.28 | 9/16     |
| 3                    | 3/8 x 19                        | 6IT PHN      | 1.43 | 0.37 | 11/16    |
| 4                    | 1/2 x 14                        | 8IT PHN      | 1.84 | 0.46 | 7/8      |

NOTE : ① The 'E' Dimension is the minimum opening.

② ISO (BSP Tapered) thread as per BS 21.

### 04. Hex Reducing Nipple

NPT (M) x NPT (M)  
(N - PHRN - N)



| Sr. No.              | NPT ②<br>Male Pipe<br>Size<br>P | NPT ②<br>Male Pipe<br>Size<br>P1 | Ref Part No. | L    | ØE ① | Hex<br>F |
|----------------------|---------------------------------|----------------------------------|--------------|------|------|----------|
| Dimensions in Inches |                                 |                                  |              |      |      |          |
| 1                    | (1/8 x 27) x (1/16 x 27)        |                                  | 2PHRN 1N     | 1.01 | 0.12 | 7/16     |
| 2                    | (1/4 x 18) x (1/16 x 27)        |                                  | 4PHRN 1N     | 1.25 | 0.12 | 9/16     |
| 3                    | (1/4 x 18) x (1/8 x 27)         |                                  | 4PHRN 2N     | 1.22 | 0.19 | 9/16     |
| 4                    | (3/8 x 18) x (1/16 x 27)        |                                  | 6PHRN 1N     | 1.27 | 0.12 | 11/16    |
| 5                    | (3/8 x 18) x (1/8 x 27)         |                                  | 6PHRN 2N     | 1.25 | 0.19 | 11/16    |
| 6                    | (3/8 x 18) x (1/4 x 18)         |                                  | 6PHRN 4N     | 1.43 | 0.28 | 11/16    |
| 7                    | (1/2 x 14) x (1/8 x 27)         |                                  | 8PHRN 2N     | 1.47 | 0.19 | 7/8      |
| 8                    | (1/2 x 14) x (1/4 x 18)         |                                  | 8PHRN 4N     | 1.65 | 0.28 | 7/8      |
| 9                    | (1/2 x 14) x (3/8 x 18)         |                                  | 8PHRN 6N     | 1.65 | 0.38 | 7/8      |
| 10                   | (3/4 x 14) x (1/8 x 27)         |                                  | 12PHRN 2N    | 1.59 | 0.19 | 1.1/16   |
| 11                   | (3/4 x 14) x (1/4 x 18)         |                                  | 12PHRN 4N    | 1.65 | 0.28 | 1.1/16   |
| 12                   | (3/4 x 14) x (3/8 x 18)         |                                  | 12PHRN 6N    | 1.78 | 0.38 | 1.1/16   |
| 13                   | (3/4 x 14) x (1/2 x 14)         |                                  | 12PHRN 8N    | 1.84 | 0.47 | 1.1/16   |
| 14                   | (1 x 11.5) x (1/8 x 27)         |                                  | 16PHRN 2N    | 1.78 | 0.19 | 1.3/8    |
| 15                   | (1 x 11.5) x (1/4 x 18)         |                                  | 16PHRN 4N    | 1.97 | 0.28 | 1.3/8    |
| 16                   | (1 x 11.5) x (1/2 x 14)         |                                  | 16PHRN 8N    | 2.13 | 0.47 | 1.3/8    |
| 17                   | (1 x 11.5) x (3/4 x 14)         |                                  | 16PHRN 12N   | 2.13 | 0.62 | 1.3/8    |
| 18                   | (1-1/4 x 11.5) x (1 x 11.5)     |                                  | 20PHRN 16N   | 2.41 | 0.88 | 1.3/4    |
| 19                   | (1-1/2 x 11.5) x (1 x 11.5)     |                                  | 24PHRN 16N   | 2.56 | 0.88 | 2.1/8    |
| 20                   | (2 x 11.5) x (1 x 11.5)         |                                  | 32PHRN 16N   | 2.78 | 0.88 | 2.3/4    |

NOTE : ① The 'E' Dimension is the minimum opening.

② NPT thread as per ANSI B 1.20.1.