

Technical Data Sheet
Gearbox
WORM GEARBOX SQUARE DESIGN



| | | |
|--------------------|-------|-----|
| MODEL | M45 | |
| Ø OUTPUT SHAFT | 18 | mm |
| APPROXIMATE RATIO | 15 | |
| EXACT RATIO | 14.00 | |
| OUTPUT SPEED | 97 | RPM |
| EXACT OUTPUT SPEED | 104 | RPM |
| INPUT POWER | 0.25 | KW |
| INPUT ROTATION | 1400 | RPM |
| INPUT PAM | 71B5 | |
| OUTPUT TORQUE | 18.38 | N.m |
| NOMINAL TORQUE | 30.00 | N.m |
| NOMINAL POWER | 0.41 | KW |
| SERVICE FACTOR | 1.64 | |
| DYNAMIC EFFICIENCY | 0.77 | |



Oil Quantity (L)

| B3/H1 | B6/H4 | B7/H3 | B8/H2 | V5/H5 | V6/H6 |
|-------|-------|-------|-------|-------|-------|
| 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |

Radial and Axial Loads



| n_2 [min-1] | FA [N] | FR [N] |
|---------------|--------|--------|
| 200 | 180 | 900 |
| 100 | 220 | 1100 |
| 50 | 260 | 1400 |
| 15 | 400 | 2000 |

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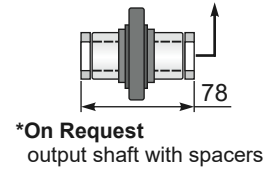
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PM45**FB**... Basic wormbox
Riduttore base

| M. flanges | Kit code | øF | A |
|------------|------------|-----|------|
| 63B5 | K050.4.041 | 138 | 80 |
| 71B5 | K050.4.042 | 160 | 77.5 |
| 56B14 | KC40.4.049 | 80 | 77.5 |
| 63B14 | K050.4.047 | 90 | 80 |
| 71B14 | K050.4.045 | 105 | 77.5 |



| ø H8 | B | C | *Spacer code |
|------------------|------|---|--------------|
| 18 Standard | 20.8 | 6 | KM45.3.018 |
| 19 on request | 21.8 | 6 | KM45.3.019 |
| 20 on request | 22.8 | 6 | KM45.3.020 |



*On Request
output shaft with spacers

PM45**FC**... Square flange
Flangia quadrata



| type B | øD | E | G | L | N | O | P | Q | kit code |
|--------|-------|---|---|----|------|----|-----|---|------------|
| FC | 60 H8 | 4 | 7 | 67 | 34.5 | 75 | 110 | 9 | KM45.9.010 |
| FL | 60 H8 | 4 | 7 | 97 | 64.5 | 75 | 110 | 9 | KM45.9.011 |

PM45**F1**... Round flange
Flangia rotonda



| type S | øD | E | G | L | N | O | P | Q | kit code |
|--------|------|---|---|----|------|-----|-----|-----|------------|
| F1 | 95H8 | 5 | 9 | 80 | 47.5 | 115 | 140 | 9.5 | KM45.9.012 |
| F2 | - | - | - | - | - | - | - | - | - |

PM45**FB**... Feet
Piedini



PM45**BR**... Reaction arm
Braccio di reazione



RM45FB... Input shaft
Albero in entrata



| | ød | e | g | l | m | x | kit code |
|--------|-------|------|---|----|----|---|----------------------------------|
| type B | 11 h6 | 12.5 | 4 | 30 | 74 | - | ① K045.5.006 PAM71 ② - ③ - |
| type S | - | - | - | - | - | - | ① - ② - ③ - |

PM45.....**S**... Single Shaft
Albero lento semplice

PM45.....**D**... Double Shaft
Albero lento bisp.



① kit cod. K045.5.028 type B
kit cod. KS045.5.030 type S
② kit cod. K045.5.029 type B

| | b1 | c1 | d1 | e1 | f1 | l1 | m1 | n1 | t2 | o1 |
|--------|----|----|--|------|----|-----|----|-------|------|-------|
| type B | 6 | 32 | 18 ^{-0.005} _{-0.020} | 43 | 65 | 151 | 70 | 113 | 20.5 | M6x18 |
| type S | 6 | 40 | 19 ^{-0.005} _{-0.020} | 58.5 | - | - | 70 | 128.5 | 21.5 | M8x20 |