



WITHOUT GEAR

WITH EXTERNAL GEAR

WITH INTERNAL GEAR

G1 = LUBRICATING NIPPLE EQ SPACED
 NOTE - IF LOCATION ARE REQUIRED ON STANDARD BEARINGS, IT IS ESSENTIAL THAT THIS IS INDICATED AT THE TIME OF ORDERING
 AXIAL CLEARANCE = TILTING CLEARANCE

BEARING UNGEARED

| ITEM CODE NO | ROLLING ELEMENT P.C.D. | OUTER DIAMETER | INNER DIAMETER | HEIGHT | EXTERNAL CLAMPING BOLT P.C.D. | INTERNAL CLAMPING BOLT P.C.D. | EXTERNAL NO OF HOLES | EXTERNAL BOLT SIZE | INTERNAL NO OFF HOLES | INTERNAL BOLT SIZE | THREADING LENGTH | NUMBER OF LUBRICATING PLUGS | DIAMETER | DIAMETER | DIAMETER | DIAMETER | DISTANCE | DISTANCE | GEAR P.C.D. | MODULE | NUMBER OF TEETH | TOOTH WIDTH | DISTANCE | DISTANCE | ADDENDUM MODIFICATION | PERMISSIBLE TANGENTIAL FORCE(NORMAL) | PERMISSIBLE TANGENTIAL FORCE(MAXIMUM) | LOAD RATING | | | | BEARING CLEARANCE | | ITEM CODE NO |
|----------------|------------------------|----------------|----------------|--------|-------------------------------|-------------------------------|----------------------|--------------------|-----------------------|--------------------|------------------|-----------------------------|----------|----------|----------|----------|----------|----------|-------------|--------|-----------------|-------------|----------|----------|-----------------------|--------------------------------------|---------------------------------------|-------------|------------|------------|-----------|-------------------|-------------|----------------|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | STATIC | | DYNAMIC | | axial [mm] | radial [mm] | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | Co rad (kN) | Co ax (kN) | C rad (kN) | C ax (kN) | | | |
| 111-16-0100-FF | 100 | 180 | 40 | 35 | 140 | 60 | 6 | M 10 | 6 | 11 | - | 1 | 97 | 103 | - | - | 5 | 5 | - | - | - | - | 30 | 30 | - | - | - | 51 | 103 | 71 | 61 | ≤ 0.4 | ≤ 0.2 | 111-16-0100-FF |
| 111-16-0200-FF | 200 | 280 | 140 | 35 | 240 | 160 | 12 | M 10 | 12 | 11 | - | 1 | 197 | 203 | - | - | 5 | 5 | - | - | - | - | 30 | 30 | - | - | - | 101 | 207 | 99 | 85 | ≤ 0.4 | ≤ 0.2 | 111-16-0200-FF |
| 111-16-0300-FF | 300 | 380 | 240 | 35 | 340 | 260 | 20 | M 10 | 20 | 11 | - | 1 | 297 | 303 | - | - | 5 | 5 | - | - | - | - | 30 | 30 | - | - | - | 152 | 310 | 117 | 101 | ≤ 0.4 | ≤ 0.2 | 111-16-0300-FF |
| 111-16-0400-FF | 400 | 480 | 340 | 35 | 440 | 360 | 24 | M 10 | 24 | 11 | - | 2 | 397 | 403 | - | - | 5 | 5 | - | - | - | - | 30 | 30 | - | - | - | 203 | 414 | 130 | 112 | ≤ 0.4 | ≤ 0.2 | 111-16-0400-FF |
| 111-16-0500-FF | 500 | 580 | 440 | 35 | 540 | 460 | 28 | M 10 | 28 | 11 | - | 2 | 497 | 503 | - | - | 5 | 5 | - | - | - | - | 30 | 30 | - | - | - | 253 | 517 | 142 | 122 | ≤ 0.4 | ≤ 0.2 | 111-16-0500-FF |

BEARING WITH EXTERNAL GEAR

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|-----|-----|-----|----|-----|-----|----|------|----|----|---|---|-----|-----|---|---|---|---|-----|---|-----|----|----|----|---|-----|------|-----|-----|-----|-----|-------|-------|----------------|
| 112-16-0100-FF | 100 | 180 | 40 | 35 | 140 | 60 | 6 | M 10 | 6 | 11 | - | 1 | 97 | 103 | - | - | 5 | 5 | 172 | 4 | 43 | 30 | 30 | 30 | 0 | 9.0 | 16.0 | 51 | 103 | 71 | 61 | ≤ 0.4 | ≤ 0.2 | 112-16-0100-FF |
| 112-16-0200-FF | 200 | 280 | 140 | 35 | 240 | 160 | 12 | M 10 | 12 | 11 | - | 1 | 197 | 203 | - | - | 5 | 5 | 272 | 4 | 68 | 30 | 30 | 30 | 0 | 9.2 | 17.0 | 101 | 207 | 99 | 85 | ≤ 0.4 | ≤ 0.2 | 112-16-0200-FF |
| 112-16-0300-FF | 300 | 380 | 240 | 35 | 340 | 260 | 20 | M 10 | 20 | 11 | - | 1 | 297 | 303 | - | - | 5 | 5 | 372 | 4 | 93 | 30 | 30 | 30 | 0 | 9.2 | 17.8 | 152 | 310 | 117 | 101 | ≤ 0.4 | ≤ 0.2 | 112-16-0300-FF |
| 112-16-0400-FF | 400 | 480 | 340 | 35 | 440 | 360 | 24 | M 10 | 24 | 11 | - | 2 | 397 | 403 | - | - | 5 | 5 | 472 | 4 | 118 | 30 | 30 | 30 | 0 | 9.4 | 18.0 | 203 | 414 | 130 | 112 | ≤ 0.4 | ≤ 0.2 | 112-16-0400-FF |
| 112-16-0500-FF | 500 | 580 | 440 | 35 | 540 | 460 | 28 | M 10 | 28 | 11 | - | 2 | 497 | 503 | - | - | 5 | 5 | 572 | 4 | 143 | 30 | 30 | 30 | 0 | 9.4 | 18.5 | 253 | 517 | 142 | 122 | ≤ 0.4 | ≤ 0.2 | 112-16-0500-FF |

NOMENCLATURE :-

| | | | | | | |
|------------------------|------------------------|-------------------------|-------------------------|-------------------------------|------------------------|------------------------|
| 1 1 1 - 20 - 0414 - CF | 1 1 1 - 20 - 0414 - CF | 1 1 1 - 20 - 0414 - CF | 1 1 1 - 20 - 0414 - CF | 1 1 1 - 20 - 0414 - CF | 1 1 1 - 20 - 0414 - CF | 1 1 1 - 20 - 0414 - CF |
| 1 - FOR BALL TYPE | 1- FOR SINGLE TRACK | 1 -FOR WITHOUT GEARING | BALL OR ROLLER DIAMETER | BALL OR ROLLER TRACK DIAMETER | C -FOR COLLER TYPE | 1 1 1 - 20 - 0414 - CE |
| 2 - FOR ROLLER TYPE | 2 -FOR DOUBLE TRACK | 2 -FOR EXTERNAL GEARING | | | | C -FOR COLLER TYPE |
| | 3 -FOR TRIPLE TRACK | 3 -FOR INTERNAL GEARING | | | F -FOR FLANGE TYPE | F -FOR FLANGE TYPE |

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SLEW RING BEARING