SANITARY GASKETS for pipe couplings







The safe choice for seals and moulded parts used in hydraulics, pneumatics, precision engineering and food/medical industries.

History and concept

In M Seals we specialize in seals for industrial use. We cover the whole spectrum from the finest precision seals to the largest heavy duty shaft seals and packings.

Our products address the needs of customers that wish to have a broad range of products and solutions at hand.

The company was founded in 1963 as Mogens Christensen, Ingeniør-& Handelsfirma A/S. We are undergoing a rapid period of development and we now have 3,300 m² of offices, lab, production and warehouses at our disposal. Our branch in Halmstad, Sweden, has grown significantly and our branch in China, has given us an entry point into this for M Seals already large market.

In 2007 M Seals became a part of the Diploma PLC group. This has opened new possibilities for our company, e.g. the cooperation with the American Hercules Sealing Products.

Knowledge

At M Seals, we have developed extensive knowledge of seals and their applications, including their composition, lifetime and suitability for a specific job. The right choice of seals minimizes the risk of unexpected breakdowns. Our range of seals is wide allowing us to provide multiple solutions. M Seals range alone covers about 50,000 items, of which a large proportion is stocked. We often cooperate with customers in the design of special solutions. We have close relationship with many of the world's leading manufacturers of sealing systems and, in cooperation with us, they provide their knowledge and experience to our customers.

Sanitary gaskets for pipe couplings

Specifically for the use in pipe systems in the food, pharma and chemical process industries, we stock a range of gaskets for most types of couplings like DS, DIN11851, SMS1149, ISO2853 as well as clamp-types like ISO2852, BS4825/3, ISO1127, DIN32676 and others.

Most of them can be supplied in NBR, EPDM, FPM, PTFE, Silicone and Kalrez, all meeting the requirements of FDA for use with foodstuff. All standard materials are furthermore tested and certified against USP Class VI.

GASKET SELECTION AND MATERIAL GUIDE

The choice of seal material will depend on the material being processed and the operating conditions. The table below is a general guidance on seal material selection. If any doubt please contact our sales office.

EPDM: Resistance is good to alcohol, ketones, mineral acids and alkalis. Especially suitable for CIP. Not

suitable for use with oils and hydrocarbons. Temperature range from -50°C to 150°C.

Particularly resistant to acids, solvents and most commonly used chemicals in the food industry. FPM:

Unsuitable for ketones, esters, hot concentrated caustic solutions, and steam. Temperature range

from -30°C to 200°C.

NBR: Resistance is good to oils, mineral fats and water. Not recommended for CIP. Temperature range -

40°C to 100°C.

High chemical resistance to most media encountered in the food industry. VMQ:

Good resistance to oxidising agents, alkali solutions, and animal / vegetable fats. Not recommended

for strong acids and bases. Temperature range from

-60°C to 200°C.

Almost universal chemical inertness. Suffers from cold flow and hence must not be over tightened. PTFE:

Temperature range from -100°C to 250°C.

Almost universal chemical inertness. Especially suitable for CIP, SIP and WFI systems. KALREZ:

Temperature range -20°C to 260°C.

Almost universal chemical inertness. This gasket is a composite construction being a PTFE outer case, in contact with the media, and a FPM filler that provides elasticity. Temperature range from -**ENVELOPE:**

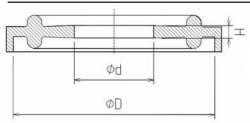
30°C to 200°C.

| Material code | Material | Approval(s) | Colour |
|---------------|--------------|------------------------------------|-------------|
| EPDM/301 | EPDM | FDA CFR21:177.2600/USP Class VI/3A | Black |
| EPDM/400 | EPDM | FDA CFR21:177.2600/USP Class VI/3A | Black |
| FPM | FPM | FDA CFR21:177.2600 | Black |
| FPM/300 | FPM | FDA CFR21:177.2600/USP Class VI/3A | Green |
| FPM/305 | FPM | FDA CFR21:177.2600 | Black |
| KALREZ 6230 | KALREZ | FDA CFR21:177.2600/USP Class VI/3A | Black |
| NBR/001 | NBR | FDA CFR21:177.2600/USP Class VI/3A | Black |
| NBR/300 | NBR | FDA CRF21:177.2600 | Blue |
| PTFE/598 | PTFE | FDA CFR21:177.1550/USP Class VI/3A | White |
| PTFE ENVELOPE | PTFE/FPM* | FDA CFR21:177.1550/2600 | White/black |
| VMQ/300 | VMQ | FDA CFR21:177.2600 | White |
| VMQ/600 | VMQ/PLATINUM | FDA CFR21:177.2600/USP Class VI/3A | Transparent |

^{*}Also available with FDA CFR21:177.1550/2600/USP Class VI/3A. Colour: White/green.



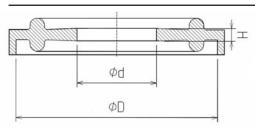
DIN 32676



| 1 | | | | 1 | 7. | | OF | | ODES DIN 3 | 32676 | |) |
|--------------|--------|------------|-----|----------------|----------|---------|---------|---|------------|---|------------------|--------|
| DN | d BORE | D | н | FLANGE DIA. | EPDM/400 | VMQ/300 | VMQ/600 | FPM/300 | NBR/001 | PTFE/598 | PTFE ENVELOPE | KALREZ |
| 6 | 6,2 | 34 | 2,1 | 34 | | | 425618 | | | | | |
| 8\1 | 6,2 | 21,84 | 2 | 25,4 | 425557 | | 425674 | | | 425472 | | |
| 8\2 | 8 | 21,84 | 2 | 25,4 | 425670 | | | 425669 | | | | |
| 10\3 | 8 | 21,84 | 2 | 25,4 | | | | 100700000000000000000000000000000000000 | | 425471 | | |
| 8\4 | 8,2 | 21,84 | 2,1 | 25,4 | 425555 | | 425554 | | | | | |
| 8 | 8,2 | 34 | 2,1 | 34 | | | 425676 | | | | | |
| 12,7\1 | 9,6 | 21,84 | 2 | 25,4 | 425558 | | 425559 | | | | | |
| 10 | 10 | 34 | 2,1 | 34 | | | | | | 425700 | " | |
| 10 | 10,2 | 34 | 2,1 | 34 | 425466 | 425663 | 425643 | 425498 | | | | ľ i |
| 12,7 | 10,5 | 21,84 | 2 | 25,4 | 425449 | 425456 | | 425452 | | 425661 | | 425442 |
| 8\3 | 10,5 | 21,84 | 2 | 25,4 | 425604 | | | | | | | |
| 14\3 | 14,2 | 21,84 | 2 | 25,4 | 425551 | | 425552 | | | | | |
| 19,05 | 15,9 | 21,84 | 2 | 25,4 | 425447 | 425458 | 425553 | 425457 | | | | 425443 |
| 18\1 | 16 | 21,84 | 2 | 25,4 | 425495 | | | 425617 | | 425470 | 425494 | |
| 15 | 16,2 | 34 | 2,1 | 34 | 425467 | 425662 | 425644 | 425444 | | 425626 | | |
| 15 | 18,3 | 50,5 | 2,1 | 50,5 | 425576 | | 425582 | 425679 | | *************************************** | | |
| 20 | 20,2 | 34 | 2,1 | 34 | 425465 | 425474 | 425645 | 425445 | 425468 | 425625 | | |
| 1" | 22,3 | 50,5 | 2,1 | 50,5 | 425744 | | 425747 | 425750 | | | 2 | - |
| 20 | 23,9 | 50,5 | 2,1 | 50,5 | 425595 | | 425583 | 425680 | | 425610 | | |
| 25 | 26,2 | 50,5 | 2,1 | 50,5 | 425475 | 425477 | 425646 | 425476 | | 425453 | 425714 | |
| 25 | 29,9 | 50,5 | 2,1 | 50,5 | 425597 | 120117 | 425584 | 425681 | | 120 100 | 120111 | |
| 32 | 32,2 | 50,5 | 2,1 | 50,5 | 425478 | | 425619 | 425479 | | 425624 | 425703 | |
| 11/2" | 35 | 50.5 | 2,1 | 50,5 | 425745 | | 425748 | 425751 | | 120021 | 420700 | |
| 40 | 38.2 | 50,5 | 2.1 | 50,5 | 425480 | 425481 | 425648 | 425482 | | 425454 | * | |
| 32 | 38,6 | 64 | 2,1 | 64 | 425598 | 425401 | 425585 | 425682 | | 425621 | | |
| 40 | 44,5 | 64 | 2,1 | 64 | 425577 | | 425579 | 425683 | | 423021 | | |
| 2" | 47,7 | 64 | 2,1 | 64 | 425746 | | 425749 | 425752 | | | | 16. |
| 50 | 50,2 | 64 | 2,1 | 64 | 425483 | 425484 | 425649 | 425493 | | 425455 | | |
| 50 | 56,5 | 77,5 | 2,1 | 77,5 | 425599 | 423404 | 425586 | 425684 | | 425606 | 425719 | |
| 63.5 | 60,5 | 77,5 | 2,1 | 77,5 | 425407 | 425393 | 425543 | 425434 | 425406 | 425523 | 425533 | 425437 |
| 65 | 66,2 | 91 | 2,1 | 91 | 425485 | 425499 | 425650 | 425486 | 423400 | 423323 | 420000 | 423437 |
| 65 | 72,3 | 91 | 2,1 | 91 | 425628 | 423499 | 425587 | 425685 | | 425701 | | |
| 76,1 | 73,1 | 91 | 2,1 | 91 | 425409 | 425394 | 425544 | 425433 | 425408 | 425524 | 425534 | |
| 80 | 81,2 | 106 | 2,1 | 106 | 425487 | 425664 | 425651 | 425433 | 425463 | 425524 | 423334 | |
| 80 | 84,5 | 106 | 2,1 | 106 | 425635 | 423004 | 425588 | 425686 | 423403 | 425702 | | |
| 100 | 100,2 | 119 | 2,1 | 119 | 425489 | 425504 | 425652 | 425488 | | 423702 | | |
| | | | _ | | | 423304 | | 423400 | | | | |
| 100 125 | 109,9 | 130 | 2,1 | 130 155 | 425630 | | 425589 | | | | | |
| 9.90% | 125,2 | 155 167 | 2,1 | 167 | 425636 | | ADECEE | | | | 10 | |
| 152,4 150 | 147,2 | 183 | 2,1 | 183 | 425640 | | 425655 | 105100 | | | 8 | |
| | 150,2 | | 2,1 | | 425637 | | | 425490 | 405700 | 405506 | | |
| 168,3 | 163,3 | 183 | 2,1 | 183 | 425399 | | | | 425726 | 425526 | 405000 | |
| 200 | 200,2 | 233,5 | 2,1 | 233,5 | 425627 | | 405504 | | 425720 | | 425688 | |
| 200 | 214,1 | 233,5 | 2,1 | 233,5 | 425632 | | 425591 | 405700 | 405407 | 405050 | 405400 | |
| 219,1 | 214,1 | 233,5 | 2,1 | 233,5 | 105011 | | 405550 | 425732 | 425427 | 425658 | 425492 | |
| 9 | | 25,4 | 2 | 25,4 | 425614 | | 425550 | | | 425473 | | |
| | | 34 | 2,1 | 34 | 425562 | | 425560 | | | 1055.17 | | |
| 9 | | 50,5 | 2,1 | 50,5 | 425563 | | 425561 | | | 425547 | | |
| | | 77,5 | 2,1 | 77,5 | 425565 | | | | | | | |
| | | 91 | 2,1 | 91 | 425566 | | | | | | | |



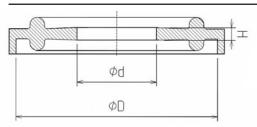
ISO 2852



| | | | | | | | OF | | ODES ISO | 2852 | | |
|-------|--------|-------|-----|----------------|----------|---------|---------|---------|----------|----------|------------------|--------|
| DN | d BORE | D | Н | FLANGE DIA. | EPDM/400 | VMQ/300 | VMQ/600 | FPM/300 | NBR/001 | PTFE/598 | PTFE ENVELOPE | KALREZ |
| 17,2 | 15,4 | 34 | 2,1 | 34 | | | | | | 2 | | |
| 21,3 | 19,5 | 34 | 2,1 | 34 | | | | | | | | |
| 25 | 22,8 | 50,5 | 2,1 | 50,5 | 425401 | 425390 | 425540 | 425396 | 425400 | 425522 | 425530 | 425435 |
| 33,7 | 31,5 | 50,5 | 2,1 | 50,5 | | | | | | | | |
| 38 | 35,6 | 50,5 | 2,1 | 50,5 | | | | | | 425521 | | |
| 38 | 35,8 | 50,5 | 2,1 | 50,5 | 425403 | 425391 | 425541 | 425397 | 425402 | | 425531 | 425432 |
| 40 | 37,8 | 64 | 2,1 | 64 | | | | | | j | | |
| 51 | 48,8 | 64 | 2,1 | 64 | 425405 | 425392 | 425542 | 425398 | 425404 | 425520 | 425532 | 425436 |
| 63,5 | 60,5 | 77,5 | 2,1 | 77,5 | 425407 | 425393 | 425543 | 425434 | 425406 | 425523 | 425533 | 425437 |
| 70 | 67 | 91 | 2,1 | 91 | | | | | | | | |
| 76,1 | 73,1 | 91 | 2,1 | 91 | 425409 | 425394 | 425544 | 425433 | 425408 | 425524 | 425534 | |
| 88,9 | 85,1 | 106 | 2,1 | 106 | 425451 | | | | | 425622 | | |
| 101,6 | 97,8 | 119 | 2,1 | 119 | 425411 | 425395 | 425545 | 425446 | 425410 | 425525 | 425535 | |
| 114,3 | 109,3 | 130 | 2,1 | 130 | 425638 | | 425653 | 425733 | 425729 | 425528 | | |
| 127 | 120,2 | 144,5 | 2,1 | 144,5 | 425639 | | 425654 | | | | | |
| 139,7 | 135,9 | 155 | 2,1 | 155 | 425735 | | | 425734 | 425736 | | | |
| 152,4 | 147,2 | 167 | 2,1 | 167 | 425640 | | 425655 | | | | | |
| 168,3 | 163,3 | 183 | 2,1 | 183 | 425399 | | | | 425726 | 425526 | | |
| 203,2 | 198,2 | 217,5 | 2,1 | 217,5 | 425641 | | 425656 | | | | | |
| 200 | 214,1 | 233,5 | 2,1 | 233,5 | 425632 | | 425591 | | | | | |
| 219,1 | 214,1 | 233,5 | 2,1 | 233,5 | | | | 425732 | 425427 | 425658 | 425492 | |
| 254 | 250,2 | 268 | 2,1 | 268 | 425642 | | 425657 | | | | | |
| 304,8 | 300 | 319 | 2,1 | 319 | | 425678 | | | | | | |
| | | 25,4 | 2 | 25,4 | 425614 | | 425550 | | | 425473 | | |
| | | 34 | 2,1 | 34 | 425562 | | 425560 | | | | | |
| | | 50,5 | 2,1 | 50,5 | 425563 | | 425561 | | | 425547 | | |
| | | 77,5 | 2,1 | 77,5 | 425565 | | | | | | | |
| | | 91 | 2,1 | 91 | 425566 | | | | | | | |



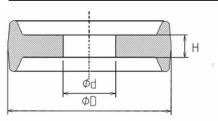
ISO 1127



| | | | | | | | 0 | | CODES ISO NUMBERS | 1127 | | |
|-------|--------|-------|-----|----------------|----------|---------|---------|---------|----------------------|----------|------------------|--------|
| DN | d BORE | D | н | FLANGE DIA. | EPDM/400 | VMQ/300 | VMQ/600 | FPM/300 | NBR/001 | PTFE/598 | PTFE ENVELOPE | KALREZ |
| 8 | 10,3 | 34 | 2,1 | 34 | | | | | | | | |
| 8 | 10,5 | 50,5 | 2,1 | 50,5 | 425593 | | 425580 | | | | | |
| 10 | 13,5 | 50,5 | 2,1 | 50,5 | | | | | | 425609 | | |
| 10\1 | 14,2 | 34 | 2,1 | 34 | 425687 | | | | | | | |
| 10 | 14,2 | 50,5 | 2,1 | 50,5 | 425594 | | 425581 | | | | | |
| 15\1 | 18,1 | 34 | 2,1 | 34 | | | 425596 | | | | | |
| 15 | 18,1 | 50,5 | 2,1 | 50,5 | | | | | | 425607 | | |
| 15 | 18,3 | 50,5 | 2,1 | 50,5 | 425576 | | 425582 | 425679 | | | | |
| 20 | 22,9 | 50,5 | 2,1 | 50,5 | | | | | | | | |
| 20 | 23,9 | 50,5 | 2,1 | 50,5 | 425595 | | 425583 | 425680 | | 425610 | | |
| 25 | 29,7 | 50,5 | 2,1 | 50,5 | | | | | | 425611 | | |
| 25 | 29,9 | 50,5 | 2,1 | 50,5 | 425597 | | 425584 | 425681 | | | | |
| 25 | 30,5 | 50,5 | 2,1 | 50,5 | | | | | | | | |
| 32 | 38,6 | 64 | 2,1 | 64 | 425598 | | 425585 | 425682 | | 425621 | | |
| 40 | 44,3 | 64 | 2,1 | 64 | | | | | | 425612 | | |
| 40 | 44,5 | 64 | 2,1 | 64 | 425577 | | 425579 | 425683 | | | | |
| 50 | 50,3 | 77,5 | 2,1 | 77,5 | | | | | | | | |
| 50 | 56,5 | 77,5 | 2,1 | 77,5 | 425599 | | 425586 | 425684 | | 425606 | 425719 | |
| 65 | 72,3 | 91 | 2,1 | 91 | 425628 | | 425587 | 425685 | | 425701 | | |
| 65 | 72,9 | 91 | 2,1 | 91 | | | | | | | | |
| 80 | 80,2 | 106 | 2,1 | 106 | | | | | | | | |
| 80 | 84,5 | 106 | 2,1 | 106 | 425635 | | 425588 | 425686 | | 425702 | | |
| 100 | 109,9 | 130 | 2,1 | 130 | 425630 | | 425589 | | | | | |
| 150 | 163,3 | 182,7 | 2,1 | 182,7 | 425631 | | 425590 | | 425713 | | | |
| 200 | 214,1 | 233,5 | 2,1 | 233,5 | 425632 | | 425591 | | | | | |
| 219,1 | 214,1 | 233,5 | 2,1 | 233,5 | | | | 425732 | 425427 | 425658 | 425492 | |
| 250 | 266,5 | 287,5 | 2,1 | 287,5 | 425633 | | 425629 | | | | | |
| 300 | 316,1 | 338,3 | 2,1 | 338,3 | 425634 | | 425592 | | | | | |
| | | 25,4 | 2 | 25,4 | 425614 | | 425550 | | | 425473 | | |
| | | 34 | 2,1 | 34 | 425562 | | 425560 | | | | | |
| | | 50,5 | 2,1 | 50,5 | 425563 | | 425561 | | | 425547 | | |
| | | 77,5 | 2,1 | 77,5 | 425565 | | | | | | | |
| | | 91 | 2,1 | 91 | 425566 | | | | | | | |



MINI CLAMP



| | 4 4 4 4,2 8\1 6,2 6,22 8 0\3 8 8,34 8,2 | | | | | | OR | DERING CO | DES MINI C | LAMP | ۷ | u e |
|--------|---|-------|-----|----------------|----------|---------|---------|-----------|------------|----------|------------------|--------|
| DN | d BORE | D | Н | FLANGE DIA. | EPDM/400 | VMQ/300 | VMQ/600 | FPM/300 | NBR/001 | PTFE/598 | PTFE ENVELOPE | KALREZ |
| 4 | 4 | 21,84 | 2 | 25,4 | 425675 | | | | | | | |
| 4\1 | 4,2 | 21,84 | 2 | 25,4 | 425556 | | 425571 | | | | | |
| 8\1 | 6,2 | 21,84 | 2 | 25,4 | 425557 | | 425674 | | | 425472 | | |
| | 6,22 | 21,84 | 2 | 25,4 | | | | | | | | |
| 8\2 | 8 | 21,84 | 2 | 25,4 | 425670 | | | 425669 | | | | |
| 10\3 | 8 | 21,84 | 2 | 25,4 | | | | | | 425471 | | |
| 8\4 | 8,2 | 21,84 | 2,1 | 25,4 | 425555 | | 425554 | | | | | |
| 12,7\1 | 9,6 | 21,84 | 2 | 25,4 | 425558 | | 425559 | | | | | |
| 12\2 | 9,7 | 21,84 | 2 | 25,4 | | | | | | 425469 | | |
| 10\2 | 10 | 21,84 | 2 | 25,4 | 425672 | | | 425671 | | | | |
| 12\2 | 10 | 21,84 | 2 | 25,4 | | | | | | | 425613 | |
| 12,7 | 10,5 | 21,84 | 2 | 25,4 | 425449 | 425456 | | 425452 | | 425661 | | 425442 |
| 8\3 | 10,5 | 21,84 | 2 | 25,4 | 425604 | | | | | | | |
| 11,3 | 11,3 | 21,84 | 2 | 25,4 | 425706 | | | 425704 | | | | |
| 12\1 | 12 | 21,84 | 2 | 25,4 | 425668 | | | 425699 | | | | |
| 14\1 | 12 | 21,84 | 2 | 25,4 | | | | | | 425623 | | |
| 10\1 | 12,3 | 21,84 | 2 | 25,4 | 425496 | | | | | | | |
| 13 | 13 | 21,84 | 2 | 25,4 | 425464 | | | | | | | |
| 14\2 | 14 | 21,84 | 2 | 25,4 | 425666 | | | 425667 | | | | |
| 14\3 | 14,2 | 21,84 | 2 | 25,4 | 425551 | | 425552 | | | | | |
| 14,5 | 14,5 | 21,84 | 2 | 25,4 | | | | 425705 | | | | |
| 19,05 | 15,9 | 21,84 | 2 | 25,4 | 425447 | 425458 | 425553 | 425457 | | | | 425443 |
| 18\1 | 16 | 21,84 | 2 | 25,4 | 425495 | | | 425617 | | 425470 | 425494 | |
| | | 25,4 | 2 | 25,4 | 425614 | | 425550 | | | 425473 | | |



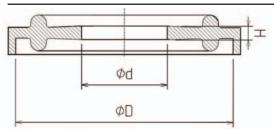
CLAMP GASKET OVERVIEW

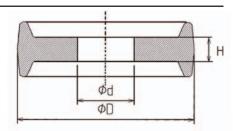


| | | | | | | | ORDER | ING CO | DES CLA | | SKETS | | | N | ORM | |
|--------|-----------|-------|-----|----------------|--------------|-------------|-------------|-------------|-------------|--------------|------------------|--------|------|---------|---------|----------|
| DN | d BORE | D | н | FLANGE DIA. | EPDM/ 400 | VMQ/ 300 | VMQ/ 600 | FPM/ 300 | NBR/ 001 | PTFE/ 598 | PTFE ENVELOPE | KALREZ | MINI | ISO2852 | ISO1127 | DIN32676 |
| 4 | 4 | 21,84 | 2 | 25,4 | 425675 | | | | | | | | Х | | | |
| 4\1 | 4,2 | 21,84 | 2 | 25,4 | 425556 | | 425571 | | | | | | X | | | |
| 6 | 6,2 | 34 | 2,1 | 34 | | | 425618 | | | | | | | | | Х |
| 8\1 | 6,2 | 21,84 | 2 | 25,4 | 425557 | | 425674 | | | 425472 | | | X | | | Х |
| | 6,22 | 21,84 | 2 | 25,4 | | | | | | | | | Х | | | |
| 8\2 | 8 | 21,84 | 2 | 25,4 | 425670 | | | 425669 | | | | | Х | | | X |
| 10\3 | 8 | 21,84 | 2 | 25,4 | | | | | | 425471 | | | Х | | | X |
| 8\4 | 8,2 | 21,84 | 2,1 | 25,4 | 425555 | | 425554 | | | | | | Х | | | X |
| 8 | 8,2 | 34 | 2,1 | 34 | 105550 | | 425676 | | | | | | | | | X |
| 12,7\1 | 9,6 | 21,84 | 2 | 25,4 | 425558 | | 425559 | | | 105100 | | | X | | | Х |
| 12\2 | 9,7 | 21,84 | 2 | 25,4 | 405070 | | | 405074 | | 425469 | | | X | | | |
| 10\2 | 10 | 21,84 | 2 | 25,4 | 425672 | | | 425671 | | | 405040 | | X | | | |
| 12\2 | 10 | 21,84 | 2 | 25,4 | | | | | | 405700 | 425613 | | Х | | | V |
| 10 | 10 | 34 | 2,1 | 34 | 425466 | 105660 | 405640 | 405400 | | 425700 | | | | | | X |
| 10 | 10,2 | 34 | 2,1 | 34 34 | 425466 | 425663 | 425643 | 425498 | | | | | 5 | | X | X |
| 8 | 10,5 | 50.5 | 100 | 50,5 | 425593 | - | 425580 | | | | | | | | × | |
| 12,7 | 10,5 | 21,84 | 2,1 | 25,4 | 425393 | 425456 | 420000 | 425452 | | 425661 | | 425442 | Х | | ^ | X |
| 8\3 | 10,5 | 21,84 | 2 | 25,4 | 425449 | 425456 | | 425452 | | 423001 | | 425442 | X | | | X |
| 11,3 | 11,3 | 21.84 | 2 | 25,4 | 425706 | - | | 425704 | | | | | X | | | ^ |
| 12\1 | 12 | 21,84 | 2 | 25,4 | 425668 | | | 425704 | | | | | X | | | |
| 14\1 | 12 | 21,84 | 2 | 25,4 | 423000 | _ | | 423099 | | 425623 | | | X | | | |
| 10\1 | 12.3 | 21.84 | 2 | 25,4 | 425496 | | | (2) | | 423023 | | | X | | | Q |
| 13 | 13 | 21,84 | 2 | 25,4 | 425464 | | 6 | - | | | | | X | | | |
| 10 | 13,5 | 50,5 | 2,1 | 50,5 | 120101 | | | 12 | | 425609 | | | | | X | |
| 14\2 | 14 | 21,84 | 2 | 25,4 | 425666 | | | 425667 | | 120000 | | | X | | | |
| 14\3 | 14,2 | 21,84 | 2 | 25,4 | 425551 | | 425552 | 120001 | | | | | X | | | Х |
| 10\1 | 14,2 | 34 | 2,1 | 34 | 425687 | | | | | | | | 2,41 | | X | |
| 10 | 14,2 | 50,5 | 2,1 | 50,5 | 425594 | | 425581 | | | | | | | | X | |
| 14.5 | 14,5 | 21.84 | 2 | 25,4 | | | | 425705 | | | | | X | | 2.2 | |
| 17,2 | 15,4 | 34 | 2,1 | 34 | | | | | | | | | | Х | | |
| 19,05 | 15,9 | 21,84 | 2 | 25,4 | 425447 | 425458 | 425553 | 425457 | | | | 425443 | X | | | X |
| 18\1 | 16 | 21,84 | 2 | 25,4 | 425495 | | | 425617 | | 425470 | 425494 | | X | | | Х |
| 15 | 16,2 | 34 | 2,1 | 34 | 425467 | 425662 | 425644 | 425444 | | 425626 | | | | | | Х |
| 15\1 | 18,1 | 34 | 2,1 | 34 | | 7 | 425596 | | | | | | | | Х | |
| 15 | 18,1 | 50,5 | 2,1 | 50,5 | | | | | | 425607 | | | | | Х | |
| 15 | 18,3 | 50,5 | 2,1 | 50,5 | 425576 | | 425582 | 425679 | | | | | | | Х | Х |
| 21,3 | 19,5 | 34 | 2,1 | 34 | | | | | | | | | | Х | | |
| 20 | 20,2 | 34 | 2,1 | 34 | 425465 | 425474 | 425645 | 425445 | 425468 | 425625 | | | | | | Х |
| 1" | 22,3 | 50,5 | 2,1 | 50,5 | 425744 | | 425747 | 425750 | | | | | | | | Х |
| 25 | 22,8 | 50,5 | 2,1 | 50,5 | 425401 | 425390 | 425540 | 425396 | 425400 | 425522 | 425530 | 425435 | | Х | | |
| 20 | 22,9 | 50,5 | 2,1 | 50,5 | | | | | | | | | | | Х | |
| 20 | 23,9 | 50,5 | 2,1 | 50,5 | 425595 | | 425583 | 425680 | | 425610 | | | | | Х | Х |
| 25 | 26,2 | 50,5 | 2,1 | 50,5 | 425475 | 425477 | 425646 | 425476 | | 425453 | 425714 | | | | | Х |
| 25 | 29,7 | 50,5 | 2,1 | 50,5 | 1 | | | | | 425611 | | | | | Х | |
| 25 | 29,9 | 50,5 | 2,1 | 50,5 | 425597 | | 425584 | 425681 | | | | | | | Х | Х |
| 25 | 30,5 | 50,5 | 2,1 | 50,5 | | , | | | | | | | 2 | | Х | |
| 33,7 | 31,5 | 50,5 | 2,1 | 50,5 | | | | | | | | | | Х | | |



CLAMP GASKET OVERVIEW

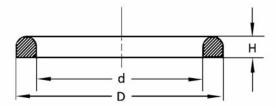




| | | | | | | | ORDE | | DES CL NUMBE | | SKETS | | | N | ORM | |
|-------|-----------|-------|-----|----------------|--------------|-------------|-------------|-------------|-----------------|--------------|------------------|--------|------|---------|---------|----------|
| DN | d BORE | D | н | FLANGE DIA. | EPDM/ 400 | VMQ/ 300 | VMQ/ 600 | FPM/ 300 | NBR/ 001 | PTFE/ 598 | PTFE ENVELOPE | KALREZ | MINI | ISO2852 | ISO1127 | DIN32676 |
| 32 | 32,2 | 50,5 | 2,1 | 50,5 | 425478 | | 425619 | 425479 | | 425624 | 425703 | | | | | Х |
| 1½" | 35 | 50,5 | 2,1 | 50,5 | 425745 | | 425748 | 425751 | | | | | | | | Х |
| 38 | 35,6 | 50,5 | 2,1 | 50,5 | | | | | | 425521 | | | | Х | | |
| 38 | 35,8 | 50,5 | 2,1 | 50,5 | 425403 | 425391 | 425541 | 425397 | 425402 | | 425531 | 425432 | | Х | | |
| 40 | 37,8 | 64 | 2,1 | 64 | | | | | J. | | | | | X | | Sc. 50 |
| 40 | 38,2 | 50,5 | 2,1 | 50,5 | 425480 | 425481 | 425648 | 425482 | | 425454 | | | | | | Х |
| 32 | 38,6 | 64 | 2,1 | 64 | 425598 | | 425585 | 425682 | | 425621 | | | | | Х | Х |
| 40 | 44,3 | 64 | 2,1 | 64 | | | | | | 425612 | | | | | Х | |
| 40 | 44,5 | 64 | 2,1 | 64 | 425577 | | 425579 | 425683 | | | | | | | X | Х |
| 2" | 47,7 | 64 | 2,1 | 64 | 425746 | | 425749 | 425752 | | | | | | | | Х |
| 51 | 48,8 | 64 | 2,1 | 64 | 425405 | 425392 | 425542 | 425398 | 425404 | 425520 | 425532 | 425436 | | Х | | |
| 50 | 50,2 | 64 | 2,1 | 64 | 425483 | 425484 | 425649 | 425493 | | 425455 | | | | | | Х |
| 50 | 50,3 | 77,5 | 2,1 | 77,5 | | | | | | | | | | | X | |
| 50 | 56,5 | 77,5 | 2,1 | 77,5 | 425599 | | 425586 | 425684 | | 425606 | 425719 | | | | Х | Х |
| 63,5 | 60,5 | 77,5 | 2,1 | 77,5 | 425407 | 425393 | 425543 | 425434 | 425406 | 425523 | 425533 | 425437 | | Х | | Х |
| 65 | 66,2 | 91 | 2,1 | 91 | 425485 | 425499 | 425650 | 425486 | | | | | | | | Х |
| 70 | 67 | 91 | 2,1 | 91 | | | | | | | | | | Х | | |
| 65 | 72,3 | 91 | 2,1 | 91 | 425628 | | 425587 | 425685 | | 425701 | | | | | Х | Х |
| 65 | 72,9 | 91 | 2,1 | 91 | | | | | | | | | | | X | |
| 76,1 | 73,1 | 91 | 2,1 | 91 | 425409 | 425394 | 425544 | 425433 | 425408 | 425524 | 425534 | | | Х | | Х |
| 80 | 80,2 | 106 | 2,1 | 106 | | | | | | | | | | | X | |
| 80 | 81,2 | 106 | 2,1 | 106 | 425487 | 425664 | 425651 | 425711 | 425463 | | | | J | | | Х |
| 80 | 84,5 | 106 | 2,1 | 106 | 425635 | | 425588 | 425686 | | 425702 | | | | | Х | Х |
| 88,9 | 85,1 | 106 | 2,1 | 106 | 425451 | | | | | 425622 | | | | Х | | |
| 101,6 | 97,8 | 119 | 2,1 | 119 | 425411 | 425395 | 425545 | 425446 | 425410 | 425525 | 425535 | | | Х | | |
| 100 | 100,2 | 119 | 2,1 | 119 | 425489 | 425504 | 425652 | 425488 | | | | | | | | Х |
| 100 | 109,9 | 130 | 2,1 | 130 | 425630 | | 425589 | | | | | | | | Х | Х |
| 114,3 | 109,3 | 130 | 2,1 | 130 | 425638 | | 425653 | 425733 | 425729 | 425528 | | | | Х | | |
| 127 | 120,2 | 144,5 | 2,1 | 144,5 | 425639 | | 425654 | | | | | | | Х | | |
| 125 | 125,2 | 155 | 2,1 | 155 | 425636 | | | | | | | | | | Î | Х |
| 139,7 | 135,9 | 155 | 2,1 | 155 | 425735 | | | 425734 | 425736 | | | | | Х | | |
| 152,4 | 147,2 | 167 | 2,1 | 167 | 425640 | | 425655 | | | | | | | Х | | X |
| 150 | 150,2 | 183 | 2,1 | 183 | 425637 | | | 425490 | | | | | | | | Х |
| 150 | 163,3 | 182,7 | 2,1 | 182,7 | 425631 | | 425590 | | 425713 | | | | Ĭ | | Х | |
| 168,3 | 163,3 | 183 | 2,1 | 183 | 425399 | | | | 425726 | 425526 | | | | Х | | Х |
| 203,2 | 198,2 | 217,5 | 2,1 | 217,5 | 425641 | | 425656 | | | | | | | Х | | |
| 200 | 200,2 | 233,5 | 2,1 | 233,5 | 425627 | | | | 425720 | | 425688 | | | | | X |
| 200 | 214,1 | 233,5 | 2,1 | 233,5 | 425632 | | 425591 | | | | | | | Х | Х | Х |
| 219,1 | 214,1 | 233,5 | 2,1 | 233,5 | | | | 425732 | 425427 | 425658 | 425492 | | | Х | Х | Х |
| 254 | 250,2 | 268 | 2,1 | 268 | 425642 | | 425657 | | | | | | | Х | | |
| 250 | 266,5 | 287,5 | 2,1 | 287,5 | 425633 | | 425629 | | | | | | | | Х | |
| 304,8 | 300 | 319 | 2,1 | 319 | | 425678 | | | | | | | | Х | | |
| 300 | 316,1 | 338,3 | 2,1 | 338,3 | 425634 | | 425592 | | | | | | | | Х | |
| | | 25,4 | 2 | 25,4 | 425614 | | 425550 | | | 425473 | | | Х | Х | Х | Х |
| | | 34 | 2,1 | 34 | 425562 | | 425560 | | | | | | | Х | Х | Х |
| | | 50,5 | 2,1 | 50,5 | 425563 | | 425561 | | | 425547 | | | | Х | Х | Х |
| | | 77,5 | 2,1 | 77,5 | 425565 | | | | | | | | | Х | Х | Х |
| | 7 | 91 | 2,1 | 91 | 425566 | " | | | | | | | | Х | X | Х |

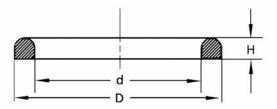


DIN 11851



| | | | | ·. · · · · · · · · · · · · · · · · · · | | ORDERING CO | DES DIN 11851 JMBERS | |
|-----|--------|-----|-----|--|----------|-------------|-------------------------|---------|
| DN | d BORE | D | н | UNION NUT DIA. | EPDM/301 | FPM/305 | PTFE/598 | NBR/300 |
| 10 | 12 | 20 | 4,5 | 38 | 425002 | 425067 | | 425013 |
| 15 | 18 | 26 | 4,5 | 44 | 425059 | 425066 | | 425004 |
| 20 | 23 | 33 | 4,5 | 54 | 425063 | 425065 | 425071 | |
| 25 | 30 | 40 | 5 | 63 | 425042 | 425048 | 425031 | 425033 |
| 32 | 36 | 46 | 5 | 70 | 425060 | | | |
| 40 | 42 | 52 | 5 | 78 | 425041 | 425047 | 425064 | 425034 |
| 50 | 54 | 64 | 5 | 92 | 425044 | 425045 | 425030 | 425035 |
| 65 | 71 | 81 | 5 | 112 | 425040 | 425046 | | 425036 |
| 80 | 85 | 95 | 5 | 127 | 425039 | 425049 | 425073 | 425037 |
| 100 | 104 | 114 | 6 | 148 | 425043 | 425050 | 425074 | 425038 |
| 125 | 130 | 142 | 7 | 178 | 425061 | | | 425029 |
| 150 | 155 | 167 | 7 | 210 | 425062 | 425072 | | |

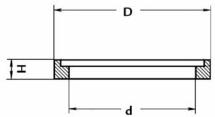
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| | - | | | | | OI | RDERING CODE | | t- |
|-------|--------|-------|-----|-------------------|----------|---------|--------------|---------|----------|
| DN | d BORE | D | н | UNION NUT DIA. | EPDM/400 | VMQ/600 | FPM/300 | NBR/001 | PTFE/598 |
| 25 | 25 | 31,8 | 4,5 | 57 | 425203 | | 425218 | 425210 | 425228 |
| 38 | 38 | 46,8 | 4,5 | 71 | 425204 | 425230 | 425219 | 425211 | 425226 |
| 51 | 51 | 58,7 | 4,5 | 86 | 425205 | 425231 | 425220 | 425212 | 425217 |
| 63,5 | 63,5 | 74,2 | 4,5 | 103 | 425206 | | 425221 | 425213 | 425227 |
| 76,1 | 76,1 | 87,6 | 4,5 | 115 | 425207 | 425232 | 425222 | 425214 | 425216 |
| 101,6 | 101,6 | 112,1 | 4,5 | 147 | 425223 | | 425225 | 425224 | 425229 |

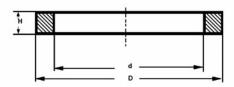


ISO 2853

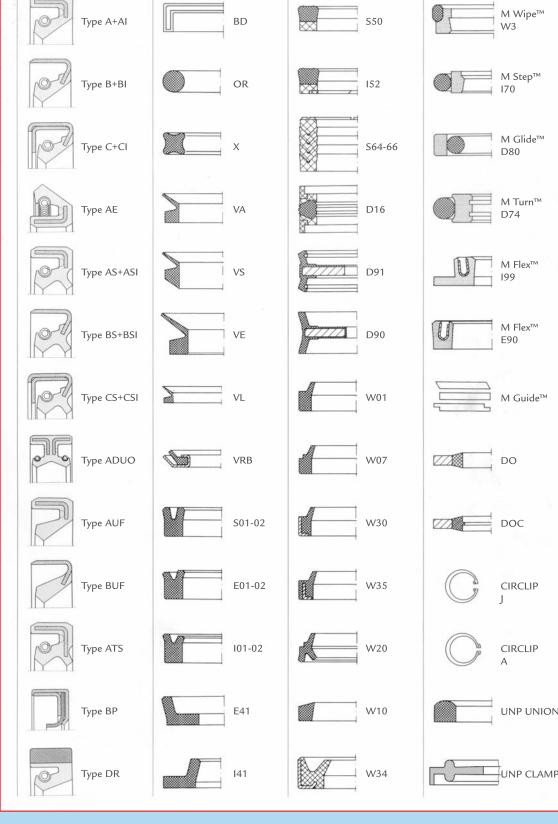


| | | | | | ORD | ERING CODES ISO ITEM NUMBERS | 2853 |
|-------|--------|-------|---|-------------------|----------|---------------------------------|---------|
| DN | d BORE | D | н | UNION NUT DIA. | EPDM/400 | FPM | NBR/001 |
| 25 | 23,6 | 32,5 | 6 | 48 | 425508 | 425412 | 425500 |
| 38 | 36,6 | 46 | 6 | 64 | 425509 | 425413 | 425501 |
| 51 | 49,6 | 59,5 | 6 | 77 | 425510 | 425414 | 425502 |
| 63,5 | 61,3 | 73,2 | 6 | 91 | 425511 | 425415 | 425503 |
| 76,1 | 73,9 | 86,5 | 6 | 106 | 425512 | 425416 | 425505 |
| 101,6 | 98,6 | 112,5 | 6 | 135 | 425513 | 425417 | 425507 |

SMS 1149



| | | | | | | ORDERING CO | | |
|-------|--------|-------|-----|-------------------|----------|-------------|---------|----------|
| DN | d BORE | D | Н | UNION NUT DIA. | EPDM/400 | FPM/300 | NBR/001 | PTFE/598 |
| 25 | 25 | 32 | 5,5 | 51 | 425310 | 425327 | 425300 | 425316 |
| 32 | 32 | 40 | 5,5 | | 425307 | | 425301 | 425317 |
| 38 | 38 | 48 | 5,5 | 74 | 425311 | 425328 | 425302 | 425318 |
| 51 | 51 | 61 | 5,5 | 84 | 425312 | 425323 | 425303 | 425319 |
| 63,5 | 63,5 | 73,5 | 5,5 | 100 | 425313 | 425324 | 425304 | 425329 |
| 76 | 76 | 86 | 5,5 | 114 | 425314 | 425325 | 425305 | 425330 |
| 101,6 | 101,6 | 113,5 | 5,5 | 154 | 425315 | 425326 | 425306 | |



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