

### ***Guide for Selecting “NITTO” Standard Cuplas***

This chart will let you quickly select an appropriate Cupla for your application. For technical data, please refer to the detailed information pages of each Cupla, Seal Material Selection Table and Body Material Selection Table at the end of this catalog.

| For High Pressure                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
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| HSP Cupla                                                                         | Hyper HSP Cupla                                                                   | 210 Cupla                                                                         | HSU Cupla                                                                         | S210 Cupla                                                                        | 280 Cupla                                                                         | 350 Cupla                                                                          | Flat Face Cupla F35                                                                 | Flat Face Cupla FF                                                                  | 450B Cupla                                                                          |
|  |  |  |  |  |  |  |  |  |  |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|                                                                                   |                                                                                   |                                                                                   | 21.0                                                                              | 20.6                                                                              |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| 20.6,18.0,14.0                                                                    | 20.6                                                                              | 20.6                                                                              |                                                                                   |                                                                                   | 31.5, 27.5                                                                        | 34.5                                                                               | 35                                                                                  | 35                                                                                  | 44.1                                                                                |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| Nickel-plated                                                                     | Nickel-plated                                                                     | Nickel-plated                                                                     | —                                                                                 | —                                                                                 | Bright chromate conversion coating                                                | Nickel-plated                                                                      | Nickel-plated                                                                       | Autocatalytic nickel-phosphorus coating                                             | Nickel-plated                                                                       |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                  | ○                                                                                   |                                                                                     |                                                                                     |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                  | ○                                                                                   | ○                                                                                   | ○                                                                                   |
| ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                  | ○                                                                                   | ○                                                                                   | ○                                                                                   |
| ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                  | ○                                                                                   | ○                                                                                   |                                                                                     |
| ○                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ○                                                                                  |                                                                                     |                                                                                     |                                                                                     |
| ○                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ○                                                                                  |                                                                                     |                                                                                     |                                                                                     |
| ○                                                                                 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ○                                                                                  |                                                                                     |                                                                                     |                                                                                     |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| -20°C to +80°C (NBR)                                                              | -20°C to +80°C (NBR)                                                              | -20°C to +80°C (NBR)                                                              | -20°C to +120°C (HNBR)                                                            | -20°C to +180°C (FKM)                                                             | -20°C to +80°C (NBR)                                                              | -20°C to +180°C (FKM)                                                              | -20°C to +180°C (FKM)                                                               | -20°C to +80°C (NBR)                                                                | -20°C to +80°C (NBR)                                                                |
| NBR, FKM                                                                          | NBR                                                                               | NBR, FKM                                                                          | HNBR                                                                              | FKM, NBR                                                                          | NBR                                                                               | FKM, NBR                                                                           | FKM, NBR                                                                            | NBR                                                                                 | NBR, FKM                                                                            |
| ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 |                                                                                    |                                                                                     |                                                                                     | ○                                                                                   |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ○                                                                                  | ○                                                                                   | ○                                                                                   |                                                                                     |
| ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 | ○                                                                                 |                                                                                    |                                                                                     |                                                                                     | ○                                                                                   |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | ○                                                                                  | ○                                                                                   | ○                                                                                   |                                                                                     |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |
| 79                                                                                | 81                                                                                | 83                                                                                | 85                                                                                | 87                                                                                | 89                                                                                | 91                                                                                 | 93                                                                                  | 95                                                                                  | 97                                                                                  |