

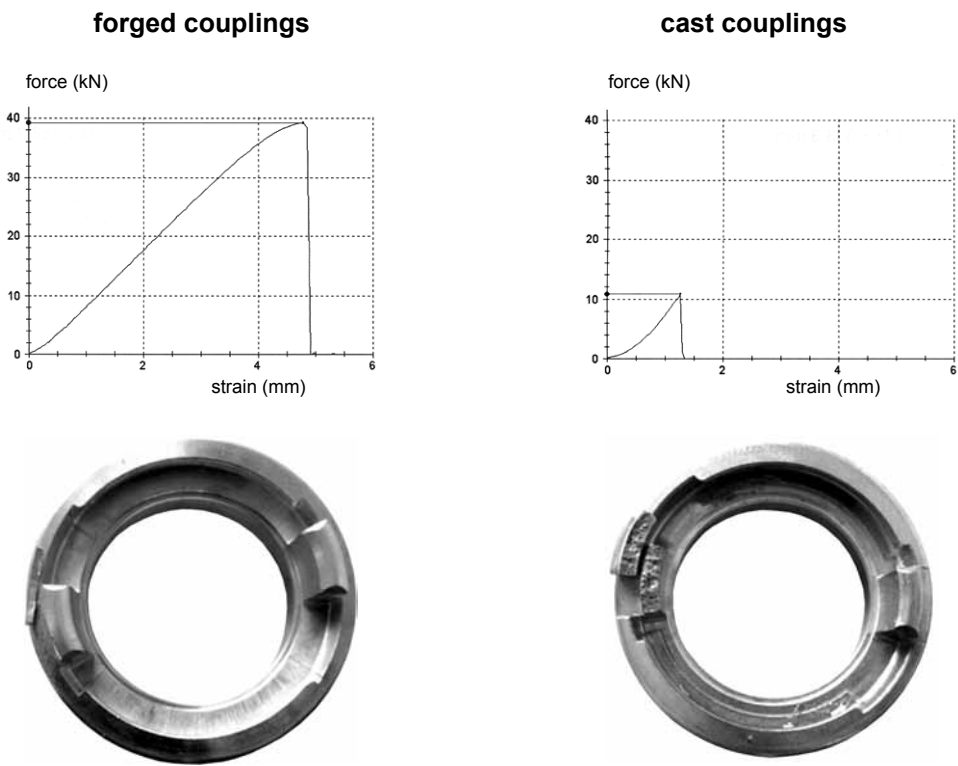
# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ

STORZ couplings are designed for industrial applications transferring loose and liquid products. Widely used in fire departments, irrigation systems, chemical and food industry, agriculture, etc. The couplings connect particularly easy because the connecting halves are symmetrical. However only parts with the same lug dimension (KA) can be secured together.

### The difference between cast and forged couplings

STORZ couplings are available in two versions: forged couplings (according to DIN standards) and cast couplings. The cast couplings have lower material strength and are more prone to casting defects. They can only be used for low working pressure (up to 6 bar and less demanding and reliable applications). As a standard TUBES INTERNATIONAL® provides high quality forged couplings with working pressure up to 16 bar. The cast couplings are available as well - special marking (\*) in our catalogue. The quality difference between the cast and forged couplings is pictured on the charts below showing a pull test results of the forged and cast couplings. The lugs break under pressure and the cast coupling fails.



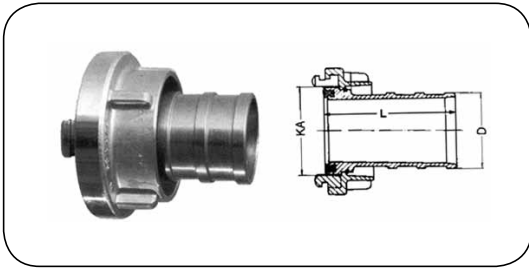
### Seal selection

A vacuum resistant seal for suction and delivery hoses is a standard. The couplings for delivery hoses (with a short hose tail) have seals which are not resistant to vacuum. STORZ couplings made of aluminium have white NBR rubber seal, brass couplings - black NBR rubber, stainless steel couplings - Viton seal. There are seals made of other materials also available - selection according to the parameters in the table below.

| seal material | working temperature range | food applications | resistance to oils and lubricants |
|---------------|---------------------------|-------------------|-----------------------------------|
| NBR           | from -40°C up to +110°C   | white - yes       | limited                           |
| silicone      | from -60°C up to +180°C   | yes               | no                                |
| Viton         | from -15°C up to +200°C   | no                | yes                               |
| EPDM          | from -35°C up to +130°C   | no                | no                                |

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ



### Coupling with hose tail

**Material:** Aluminium (Al), brass (Ms), stainless steel (SS)  
**Working press.:** 16 bar  
**Seal:** White NBR rubber for aluminium, black NBR rubber for brass, Viton for stainless steel

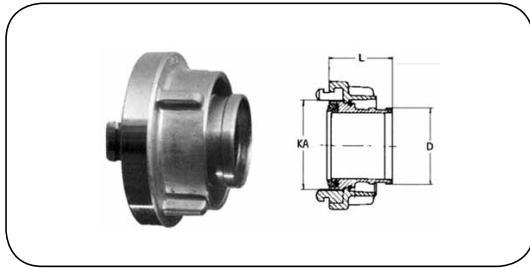
| code<br>(aluminium) | code<br>(brass) | code<br>(stainless steel) | size  | lug dimension<br>KA<br>[mm] | hose<br>diam. D<br>[mm] | length L<br>Al / Ms / SS<br>[mm] |
|---------------------|-----------------|---------------------------|-------|-----------------------------|-------------------------|----------------------------------|
| -                   | ST-12-031013-30 | -                         | 25-D  | 31                          | 15                      | -- / 60 / --                     |
| ST-12-031019-19     | -               | -                         |       |                             | 21/19                   | 55 / -- / --                     |
| ST-12-031025-11     | ST-12-031025-30 | ST-12-031025-43           |       |                             | 25                      | 53 / 53 / 53                     |
| ST-12-044019-11     | ST-12-044019-30 | -                         | 32    | 44                          | 19                      | 70 / 70 / --                     |
| ST-12-044025-11     | ST-12-044025-30 | -                         |       |                             | 25                      | 70 / 70 / --                     |
| ST-12-044032-11     | ST-12-044032-30 | -                         |       |                             | 32                      | 70 / 70 / --                     |
| ST-12-051025-11     | ST-12-051025-30 | -                         | 38    | 51                          | 25                      | 90 / 90 / --                     |
| ST-12-051032-11     | ST-12-051032-30 | -                         |       |                             | 32                      | 90 / 90 / --                     |
| ST-12-051038-11     | ST-12-051038-30 | ST-12-051038-43           |       |                             | 38                      | 90 / 90 / 90                     |
| ST-12-066019-11     | -               | ST-12-066019-43           | 52-C  | 66                          | 19                      | 90 / -- / 90                     |
| ST-12-066025-11     | ST-12-066025-30 | ST-12-066025-43           |       |                             | 25                      | 90 / 90 / 90                     |
| ST-12-066028-11     | -               | -                         |       |                             | 28                      | 90 / -- / --                     |
| ST-12-066032-11     | ST-12-066032-30 | ST-12-066032-43           |       |                             | 32                      | 90 / 90 / 90                     |
| ST-12-066032-21*    | -               | -                         |       |                             | 32                      | 90 / -- / --                     |
| ST-12-066038-11     | ST-12-066038-30 | ST-12-066038-43           |       |                             | 38                      | 90 / 90 / 90                     |
| ST-12-066038-21*    | -               | -                         |       |                             | 38                      | 90 / -- / --                     |
| ST-12-066040-11     | -               | ST-12-066040-43           |       |                             | 40                      | 90 / -- / 90                     |
| ST-12-066042-11     | -               | ST-12-066042-43           |       |                             | 42                      | 90 / -- / 90                     |
| ST-12-066042-21*    | -               | -                         |       |                             | 42                      | 90 / -- / --                     |
| ST-12-066045-11     | ST-12-066045-30 | ST-12-066045-43           |       |                             | 45                      | 90 / 90 / 90                     |
| ST-12-066045-21*    | -               | -                         |       |                             | 45                      | 90 / -- / --                     |
| ST-12-066050-11     | -               | ST-12-066050-43           |       |                             | 50                      | 90 / -- / 90                     |
| ST-12-066052-11     | ST-12-066052-30 | ST-12-066052-43           |       |                             | 52                      | 90 / 90 / 90                     |
| ST-12-066052-21*    | -               | -                         |       |                             | 52                      | 90 / -- / --                     |
| ST-12-066055-11     | -               | -                         |       |                             | 55                      | 90 / -- / --                     |
| ST-12-066060-11     | -               | -                         | 60    | 90 / -- / --                |                         |                                  |
| ST-12-081038-11     | ST-12-081038-30 | ST-12-081038-43           | 65    | 81                          | 38                      | 90 / 90 / 90                     |
| ST-12-081052-11     | ST-12-081052-30 | ST-12-081052-43           |       |                             | 52                      | 95 / 90 / 95                     |
| ST-12-081063-11     | -               | -                         |       |                             | 63                      | 95 / -- / --                     |
| ST-12-081065-11     | ST-12-081065-30 | ST-12-081065-43           |       |                             | 65                      | 95 / 90 / 100                    |
| ST-12-081070-11     | -               | -                         |       |                             | 70                      | 95 / -- / --                     |
| ST-12-081075-11     | ST-12-081075-30 | ST-12-081075-43           |       |                             | 75                      | 95 / 90 / 95                     |
| ST-12-089052-11     | -               | -                         | 75-B  | 89                          | 52                      | 125 / -- / --                    |
| ST-12-089065-11     | ST-12-089065-30 | ST-12-089065-43           |       |                             | 65                      | 125 / 95 / 105                   |
| ST-12-089065-21*    | -               | -                         |       |                             | 65                      | 125 / -- / --                    |
| ST-12-089070-11     | -               | -                         |       |                             | 70                      | 125 / -- / --                    |
| ST-12-089075-11     | ST-12-089075-30 | ST-12-089075-43           |       |                             | 75                      | 125 / 125 / 105                  |
| ST-12-089075-21*    | -               | -                         |       |                             | 75                      | 125 / -- / --                    |
| ST-12-089080-11     | -               | ST-12-089080-43           | 80    | 125 / -- / 105              |                         |                                  |
| ST-12-105075-11     | -               | -                         | 90    | 105                         | 75                      | 160 / -- / --                    |
| ST-12-105090-11     | -               | -                         |       |                             | 90                      | 160 / -- / --                    |
| ST-12-115100-11     | ST-12-115100-30 | ST-12-115100-43           | 100   | 115                         | 100                     | 150 / 125 / 150                  |
| ST-12-133090-11     | -               | -                         | 110-A | 133                         | 90                      | 170 / -- / --                    |
| ST-12-133100-11     | ST-12-133100-30 | ST-12-133100-43           |       |                             | 100                     | 170 / 170 / 170                  |
| ST-12-133100-21*    | -               | -                         |       |                             | 100                     | 170 / -- / --                    |
| ST-12-133110-11     | ST-12-133110-30 | ST-12-133110-43           |       |                             | 110                     | 170 / 170 / 170                  |
| ST-12-133125-11     | -               | -                         |       |                             | 125                     | 180 / -- / --                    |
| ST-12-148125-11     | ST-12-148125-30 | ST-12-148125-43           | 125   | 148                         | 125                     | 200 / 142 / 180                  |
| ST-12-160150-11     | ST-12-160150-30 | ST-12-160150-43           | 150   | 160                         | 150                     | 180 / 180 / 180                  |
| ST-12-220205-11**   | -               | -                         | 205   | 220                         | 205                     | 375 / -- / --                    |
| ST-12-278258-11**   | -               | -                         | 250   | 278                         | 258                     | 400 / -- / --                    |

\* - cast coupling PN 6 bar

\*\* - PN 10 bar

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ



### Delivery hose coupling

**Material:** Aluminium (Al), brass (Ms),  
**Working press.:** 16 bar  
**Seal:** White NBR rubber for aluminium,  
 black NBR rubber for brass

| code (aluminium) | code (brass)    | code (stainless steel) | size  | lug dimension KA [mm] | hose diam. D [mm] | length L Al / Ms / SS [mm] |
|------------------|-----------------|------------------------|-------|-----------------------|-------------------|----------------------------|
| ST-11-059045-16  | -               | -                      | 45    | 59                    | 45                | 75 / - / -                 |
| ST-11-066040-16  | -               | -                      | 52-C  | 66                    | 40                | 70 / - / -                 |
| ST-11-066042-16  | ST-11-066042-35 | -                      |       |                       | 42                | 55 / 55 / -                |
| ST-11-066045-16  | -               | -                      |       |                       | 45                | 70 / - / -                 |
| ST-11-066052-16  | ST-11-066052-35 | -                      |       |                       | 52                | 55 / 75 / -                |
| ST-11-066052-25* | -               | -                      |       |                       | 52                | 55 / - / -                 |
| ST-11-066055-16  | -               | -                      |       |                       | 55                | 70 / - / -                 |
| ST-11-081052-16  | -               | -                      |       |                       | 65                | 81                         |
| ST-11-081065-16  | -               | -                      | 65    | 60 / - / -            |                   |                            |
| ST-11-081075-16  | -               | -                      | 75    | 65 / - / -            |                   |                            |
| ST-11-089065-16  | -               | -                      | 75-B  | 89                    | 65                | 85 / - / -                 |
| ST-11-089070-16  | -               | -                      |       |                       | 70                | 75 / - / -                 |
| ST-11-089075-16  | ST-11089075-35  | -                      |       |                       | 75                | 60 / 85 / -                |
| ST-11-089075-25* | -               | -                      |       |                       | 75                | 60 / - / -                 |
| ST-11-115100-16  | -               | -                      |       |                       | 100               | 115                        |
| ST-11-133100-11  | -               | -                      | 110-A | 133                   | 100               | 110 / - / -                |
| ST-11-133110-11  | -               | -                      |       |                       | 110               | 110 / - / -                |

\* - cast couplings PN 6 bar



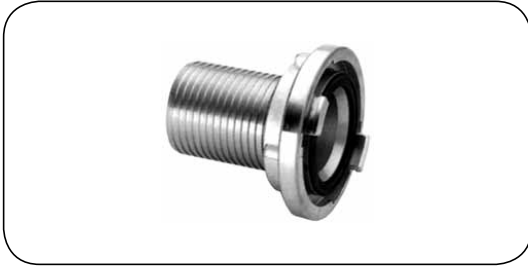
### Coupling for RS clamp assembly

**Material:** Aluminium (Al), brass (Ms), stainless steel (SS)  
**Working press.:** 16 bar  
**Seal:** White NBR rubber for aluminium,  
 black NBR rubber for brass,  
 Viton for stainless steel

| code (aluminium) | code (brass)    | code (stainless steel) | size  | lug dimension KA [mm] | hose diam. D [mm] | length L Al / Ms / SS [mm] |
|------------------|-----------------|------------------------|-------|-----------------------|-------------------|----------------------------|
| -                | ST-13-031019-30 | ST-13-031019-43        | 25-D  | 31                    | 19                | - / 73 / 73                |
| ST-13-031025-11  | ST-13-031025-30 | ST-13-031025-43        |       |                       | 25                | 75 / 73 / 75               |
| -                | -               | ST-13-066032-43        | 52-C  | 66                    | 32                | - / - / 95                 |
| ST-13-066038-11  | -               | ST-13-066038-43        |       |                       | 38                | 90 / - / 95                |
| ST-13-066050-11  | ST-13-066050-30 | ST-13-066050-43        |       |                       | 50                | 95 / 95 / 95               |
| -                | -               | ST-13-081050-43        | 65    | 81                    | 50                | - / - / 95                 |
| ST-13-089063-11  | -               | -                      | 75-B  | 89                    | 63                | 115 / - / -                |
| ST-13-089075-11  | -               | ST-13-089075-43        |       |                       | 75                | 105 / - / 105              |
| ST-13-115100-11  | -               | -                      | 100   | 115                   | 100               | 195 / - / -                |
| ST-13-133100-11  | -               | ST-13-133100-43        | 110-A | 133                   | 100               | 145 / - / 145              |
| ST-13-148125-11  | -               | -                      | 125   | 148                   | 125               | 190 / - / -                |
| ST-13-160150-11  | -               | -                      | 150   | 160                   | 150               | 250 / - / -                |

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ



### Coupling with serrated hose tail

**Material:** Aluminium (Al), brass (Ms), stainless steel (SS)  
**Working press.:** 16 bar  
**Seal:** White NBR rubber for aluminium, black NBR rubber for brass, Viton for stainless steel

| code (aluminium) | code (brass)    | code (stainless steel) | size  | lug dimension KA [mm] | hose diam. D [mm] | length L Al / Ms / SS [mm] |
|------------------|-----------------|------------------------|-------|-----------------------|-------------------|----------------------------|
| ST-12-031013-11  | -               | -                      | 25-D  | 31                    | 15/13             | 55 / - / -                 |
| ST-12-031019-11  | ST-12-031019-30 | ST-12-031019-43        |       |                       | 21/19             | 55 / 55 / 55               |
| ST-14-066052-11  | -               | -                      | 52-C  | 66                    | 51                | 90 / - / -                 |
| ST-14-089076-11  | -               | -                      | 75-B  | 89                    | 76                | 125 / - / -                |
| ST-14-133102-11  | -               | -                      | 110-A | 133                   | 102               | 170 / - / -                |
| ST-14-133110-11  | -               | -                      |       |                       | 110               | 170 / - / -                |
| ST-14-148127-11  | -               | -                      | 125   | 148                   | 127               | 190 / - / -                |
| ST-14-160152-11  | -               | -                      | 150   | 160                   | 152               | 180 / - / -                |



### Coupling with hose tail and plastic head

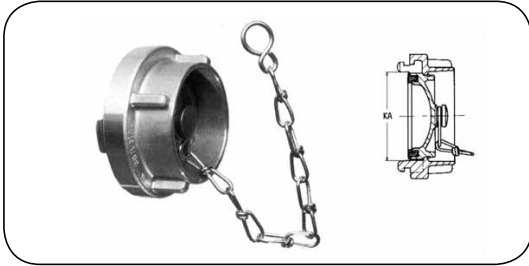
**Head material:** High performance plastic  
**Tail material:** Aluminium (Al)  
**Working press.:** 10 bar  
**Seal:** Black NBR rubber

| code             | size | lug dimension KA [mm] | hose diameter D [mm] | length L [mm] |
|------------------|------|-----------------------|----------------------|---------------|
| ST-12-066019-60  | 52-C | 66                    | 19                   | 90            |
| ST-12-066025-60  |      |                       | 25                   | 90            |
| ST-12-066032-60  |      |                       | 32                   | 90            |
| ST-12-066038-60  |      |                       | 38                   | 90            |
| ST-12-066040-60  |      |                       | 40                   | 90            |
| ST-11-066042-65* |      |                       | 42                   | 55            |
| ST-12-066042-60  |      |                       | 42                   | 90            |
| ST-11-066045-65* |      |                       | 45                   | 70            |
| ST-12-066045-60  |      |                       | 45                   | 90            |
| ST-12-066050-60  |      |                       | 50                   | 90            |
| ST-11-066052-65* |      |                       | 52                   | 55            |
| ST-12-066052-60  |      |                       | 52                   | 90            |
| ST-12-066055-60  |      |                       | 55                   | 90            |
| ST-12-066060-60  |      |                       | 60                   | 90            |

\* - coupling with a shorter hose tail

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ



### Blank cap

**Material:** Aluminium (Al), brass (Ms), stainless steel (SS)  
**Working press.:** 16 bar  
**Seal:** White NBR rubber for aluminium, black NBR rubber for brass, Viton for stainless steel

| code (aluminium)  | code (brass)    | code (stainless steel) | size  | lug dimension KA [mm] |
|-------------------|-----------------|------------------------|-------|-----------------------|
| ST-31-031000-11   | ST-31-031000-30 | ST-31-031000-43        | 25-D  | 31                    |
| ST-31-044000-11   | ST-31-044000-30 | -                      | 32    | 44                    |
| ST-31-051000-11   | ST-31-051000-30 | ST-31-051000-43        | 38    | 51                    |
| ST-31-059000-11   | -               | -                      | 45    | 59                    |
| ST-31-066000-11   | ST-31-066000-30 | ST-31-066000-43        | 52-C  | 66                    |
| ST-31-066000-21*  | -               | -                      |       |                       |
| ST-31-081000-11   | ST-31-081000-30 | ST-31-081000-43        | 65    | 81                    |
| ST-31-089000-11   | ST-31-089000-30 | ST-31-089000-43        | 75-B  | 89                    |
| ST-31-089000-21*  | -               | -                      |       |                       |
| ST-31-105000-11   | -               | -                      | 90    | 105                   |
| ST-31-115000-11   | ST-31-115000-30 | ST-31-115000-43        | 100   | 115                   |
| ST-31-133000-11   | ST-31-133000-30 | ST-31-133000-43        | 110-A | 133                   |
| ST-31-133000-21*  | -               | -                      |       |                       |
| ST-31-148000-11   | ST-31-148000-30 | ST-31-148000-43        | 125   | 148                   |
| ST-31-160000-11   | ST-31-160000-30 | ST-31-160000-43        | 150   | 160                   |
| ST-31-220000-11** | -               | -                      | 205   | 220                   |
| ST-31-278000-11** | -               | -                      | 250   | 278                   |

\* - cast couplings PN 6 bar  
 \*\* - PN 10 bar



### Blank plastic cap

**Head material:** High performance plastic  
**Tail material:** Aluminium (Al)  
**Working press.:** 10 bar  
**Seal:** Black NBR rubber

| code            | size | lug dimension KA [mm] |
|-----------------|------|-----------------------|
| ST-31-066000-60 | 52-C | 66                    |

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ

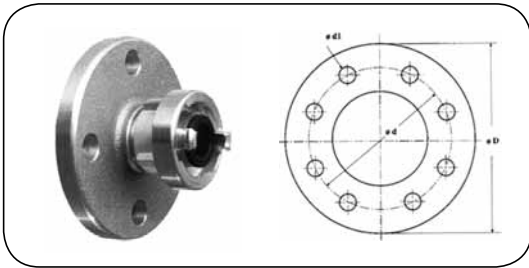


### Blank cap with lock

**Material:** Aluminium (Al), brass (Ms), stainless steel (SS)  
**Working press.:** 16 bar  
**Seal:** White NBR rubber for aluminium, black NBR rubber for brass, Viton for stainless steel

| code (aluminium) | code (brass)    | code (stainless steel) | size  | lug dimension KA [mm] |
|------------------|-----------------|------------------------|-------|-----------------------|
| ST-31-500066-11  | ST-31-500066-30 | ST-31-500066-43        | 52-C  | 66                    |
| ST-31-500081-11  | -               | -                      | 65    | 81                    |
| ST-31-500089-11  | ST-31-500089-30 | -                      | 75-B  | 89                    |
| ST-31-500105-11  | -               | -                      | 90    | 105                   |
| ST-31-500115-11  | -               | -                      | 100   | 115                   |
| ST-31-500133-11  | -               | -                      | 110-A | 133                   |
| ST-31-500148-11  | -               | -                      | 125   | 148                   |
| ST-31-500160-11  | -               | -                      | 150   | 160                   |

(available with a universal key)



### Flanged coupling

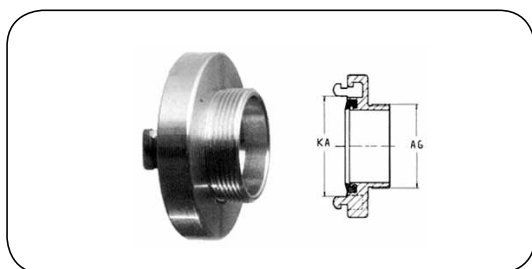
**Material:** Aluminium (Al), brass (Ms), stainless steel (SS)  
**Working press.:** 16 bar  
**Seal:** White NBR rubber for aluminium, black NBR rubber for brass, Viton for stainless steel

| code (aluminium) | code (brass)    | code (stainless steel) | size  | lug dimension KA [mm] | flange size | D [mm] | d [mm] | n   | d1 [mm] |
|------------------|-----------------|------------------------|-------|-----------------------|-------------|--------|--------|-----|---------|
| ST-36-031025-11  | ST-36-031025-30 | ST-36-031025-43        | 25-D  | 31                    | DN 25       | 115    | 85     | 4   | 14      |
| ST-36-066040-11* | -               | -                      | 52-C  | 66                    | DN 40       | 150    | 110    | 4   | 18      |
| ST-36-066050-11  | ST-36-066050-30 | ST-36-066050-43        |       |                       | DN 50       | 165    | 125    | 4   | 18      |
| ST-36-066065-11  | -               | -                      |       |                       | DN 65       | 185    | 145    | 4   | 18      |
| ST-36-066080-11  | -               | -                      |       |                       | DN 80       | 200    | 160    | 8   | 18      |
| ST-36-081050-11  | -               | -                      |       |                       | 65          | 81     | DN 50  | 165 | 125     |
| ST-36-081065-11  | ST-36-081065-30 | ST-36-081065-43        | DN 65 | 185                   |             |        | 145    | 4   | 18      |
| ST-36-081080-11  | -               | -                      | DN 80 | 200                   |             |        | 160    | 8   | 18      |
| ST-36-089050-11  | -               | -                      | 75-B  | 89                    | DN 50       | 165    | 125    | 4   | 18      |
| ST-36-089065-11  | -               | -                      |       |                       | DN 65       | 185    | 145    | 4   | 18      |
| ST-36-089080-11  | ST-36-089080-30 | ST-36-089080-43        |       |                       | DN 80       | 200    | 160    | 8   | 18      |
| ST-36-089100-11  | -               | -                      |       |                       | DN 100      | 220    | 180    | 8   | 18      |
| ST-36-115100-11  | -               | -                      | 100   | 115                   | DN 100      | 220    | 180    | 8   | 18      |
| ST-36-133080-11  | -               | -                      | 110-A | 133                   | DN 80       | 200    | 160    | 8   | 18      |
| ST-36-133100-11  | ST-36-133100-30 | ST-36-133100-43        |       |                       | DN 100      | 220    | 180    | 8   | 18      |
| ST-36-148125-11  | -               | ST-36-148125-43        | 125   | 148                   | DN 125      | 250    | 210    | 8   | 18      |
| ST-36-160150-11  | -               | ST-36-160150-43        | 150   | 160                   | DN 150      | 285    | 240    | 8   | 22      |

\* - galvanized steel flanges

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ



### Adapter with BSP male thread

**Material:** Aluminium (Al), brass (Ms), stainless steel (SS)

**Working press.:** 16 bar

**Seal:** White NBR rubber for aluminium, black NBR rubber for brass, Viton for stainless steel

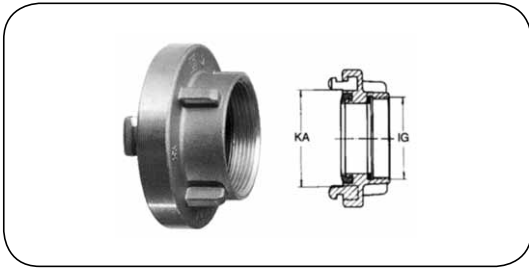
| code<br>(aluminium) | code<br>(brass)  | code<br>(stainless steel) | size  | lug dimension<br>KA<br>[mm] | thread<br>size<br>[inch] |
|---------------------|------------------|---------------------------|-------|-----------------------------|--------------------------|
| -                   | ST-22-031050-30* | ST-22-031050-43           | 25-D  | 31                          | 1/2                      |
| ST-22-031075-11     | ST-22-031075-30  | ST-22-031075-43           |       |                             | 3/4                      |
| ST-22-031100-11     | ST-22-031100-30  | ST-22-031100-43           |       |                             | 1                        |
| ST-22-031125-11     | -                | -                         |       |                             | 1.1/4                    |
| ST-22-031150-11     | -                | -                         |       |                             | 1.1/2                    |
| ST-22-044100-11     | ST-22-044100-30  | -                         | 32    | 44                          | 1                        |
| ST-22-044125-11     | ST-22-044125-30  | -                         |       |                             | 1.1/4                    |
| ST-22-051125-11     | ST-22-051125-30  | ST-22-051125-43*          | 38    | 51                          | 1.1/4                    |
| ST-22-051150-11     | ST-22-051150-30  | ST-22-051150-43           |       |                             | 1.1/2                    |
| ST-22-051200-11     | ST-22-051200-30  | -                         |       |                             | 2                        |
| ST-22-059200-11     | -                | -                         | 45    | 59                          | 2                        |
| ST-22-066075-16*    | -                | -                         | 52-C  | 66                          | 3/4                      |
| ST-22-066100-16     | ST-22-066100-30  | ST-22-066100-43           |       |                             | 1                        |
| ST-22-066125-16     | ST-22-066125-30  | ST-22-066125-43           |       |                             | 1.1/4                    |
| ST-22-066150-16     | ST-22-066150-30  | ST-22-066150-43           |       |                             | 1.1/2                    |
| ST-22-066200-16     | ST-22-066200-30  | ST-22-066200-43           |       |                             | 2                        |
| ST-22-066250-16     | ST-22-066250-30  | -                         |       | 2.1/2                       |                          |
| ST-22-081125-11     | -                | -                         | 65    | 81                          | 1.1/4                    |
| ST-22-081150-11     | -                | -                         |       |                             | 1.1/2                    |
| ST-22-081200-11     | ST-22-081200-30  | ST-22-081200-43           |       |                             | 2                        |
| ST-22-081250-11     | ST-22-081250-30  | ST-22-081250-43           |       |                             | 2.1/2                    |
| ST-22-081300-11     | ST-22-081300-30  | -                         |       |                             | 3                        |
| ST-22-089200-16     | ST-22-089200-30  | ST-22-089200-43           | 75-B  | 89                          | 2                        |
| ST-22-089250-16     | ST-22-089250-30  | ST-22-089250-43           |       |                             | 2.1/2                    |
| ST-22-089300-16     | ST-22-089300-30  | ST-22-089300-43           |       |                             | 3                        |
| ST-22-105300-11*    | -                | -                         | 90    | 105                         | 3                        |
| ST-22-115400-11     | ST-22-115400-30  | ST-22-115400-43*          | 100   | 115                         | 4                        |
| ST-22-133400-11     | ST-22-133400-30  | ST-22-133400-43           | 110-A | 133                         | 4                        |
| ST-22-133500-11     | -                | -                         |       |                             | 5                        |
| ST-22-148500-11*    | -                | -                         | 125   | 148                         | 5                        |
| ST-22-160600-11     | -                | -                         | 150   | 160                         | 6                        |
| ST-22-188600-11**   | -                | -                         | 165   | 188                         | 6                        |
| ST-22-220800-11**   | -                | -                         | 205   | 220                         | 8                        |

\* - with nipple,

\*\* - with nipple, PN 10 bar.

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ



### Adapter with BSP female thread

**Material:** Aluminium (Al), brass (Ms), stainless steel (SS)

**Working press.:** 16 bar

**Seal:** White NBR rubber for aluminium, black NBR rubber for brass, Viton for stainless steel

| code<br>(aluminium) | code<br>(brass) | code<br>(stainless steel) | size  | lug dimension<br>KA<br>[mm] | thread<br>size<br>[inch] |
|---------------------|-----------------|---------------------------|-------|-----------------------------|--------------------------|
| ST-21-031050-11     | ST-21-031050-30 | ST-21-031050-43           | 25-D  | 31                          | 1/2                      |
| ST-21-031075-11     | ST-21-031075-30 | ST-21-031075-43           |       |                             | 3/4                      |
| ST-21-031100-11     | ST-21-031100-30 | ST-21-031100-43           |       |                             | 1                        |
| ST-21-031125-11     | -               | -                         |       |                             | 1.1/4                    |
| ST-21-044100-11     | ST-21-044100-30 | -                         | 32    | 44                          | 1                        |
| ST-21-044125-11     | ST-21-044125-30 | -                         |       |                             | 1.1/4                    |
| ST-21-051100-11     | ST-21-051100-30 | -                         | 38    | 51                          | 1                        |
| ST-21-051125-11     | ST-21-051125-30 | ST-21-051125-43           |       |                             | 1.1/4                    |
| ST-21-051150-11     | ST-21-051150-30 | ST-21-051150-43           |       |                             | 1.1/2                    |
| ST-21-051200-11     | ST-21-051200-30 | -                         |       |                             | 2                        |
| ST-21-059150-16     | -               | -                         | 45    | 59                          | 1.1/2                    |
| ST-21-059200-16     | -               | -                         |       |                             | 2                        |
| ST-21-066075-16     | -               | ST-21-066075-43           | 52-C  | 66                          | 3/4                      |
| ST-21-066100-16     | ST-21-066100-30 | ST-21-066100-43           |       |                             | 1                        |
| ST-21-066125-16     | ST-21-066125-30 | ST-21-066125-43           |       |                             | 1.1/4                    |
| ST-21-066150-16     | ST-21-066150-30 | ST-21-066150-43           |       |                             | 1.1/2                    |
| ST-21-066175-16     | -               | -                         |       |                             | 1.3/4                    |
| ST-21-066200-16     | ST-21-066200-30 | ST-21-066200-43           |       |                             | 2                        |
| ST-21-066250-16     | ST-21-066250-30 | ST-21-066250-43*          |       |                             | 2.1/2                    |
| ST-21-081100-11     | -               | -                         |       |                             | 65                       |
| ST-21-081125-11     | -               | -                         | 1.1/4 |                             |                          |
| ST-21-081150-11     | -               | -                         | 1.1/2 |                             |                          |
| ST-21-081200-11     | ST-21-081200-30 | ST-21-081200-43           | 2     |                             |                          |
| ST-21-081250-11     | ST-21-081250-30 | ST-21-081250-43           | 2.1/2 |                             |                          |
| ST-21-081300-11     | ST-21-081300-30 | -                         | 3     |                             |                          |
| ST-21-089200-16     | ST-21-089200-30 | ST-21-089200-43           | 75-B  | 89                          | 2                        |
| ST-21-089250-16     | ST-21-089250-30 | ST-21-089250-43           |       |                             | 2.1/2                    |
| ST-21-089300-16     | ST-21-089300-30 | ST-21-089300-43           |       |                             | 3                        |
| ST-21-105300-11     | -               | -                         | 90    | 105                         | 3                        |
| ST-21-115400-11     | ST-21-115400-30 | ST-21-115400-43           | 100   | 115                         | 4                        |
| ST-21-133300-11*    | -               | -                         | 110-A | 133                         | 3                        |
| ST-21-133400-11     | ST-21-133400-30 | ST-21-133400-43           |       |                             | 4                        |
| ST-21-133450-11     | ST-21-133450-30 | ST-21-133450-43           |       |                             | 4.1/2                    |
| ST-21-133500-11*    | -               | -                         |       |                             | 5                        |
| ST-21-148400-11     | -               | -                         | 125   | 148                         | 4                        |
| ST-21-148500-11     | ST-21-148500-30 | ST-21-148500-43           |       |                             | 5                        |
| ST-21-160600-11     | ST-21-160600-30 | ST-21-160600-43           | 150   | 160                         | 6                        |
| ST-21-188600-11**   | -               | -                         | 165   | 188                         | 6                        |
| ST-21-220800-11**   | -               | -                         | 205   | 220                         | 8                        |
| ST-21-278000-11**   | -               | -                         | 250   | 278                         | 10                       |

\* - with reducer

\*\* - PN 10 bar



# INDUSTRIAL FITTINGS - couplings

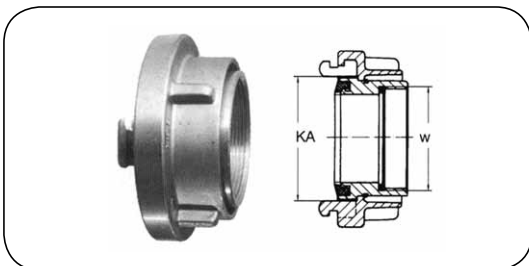
## Symmetrical couplings STORZ



### Adapter with BSP female thread and safety latch

**Material:** Aluminium (Al), stainless steel (SS)  
**Working press.:** 16 bar  
**Seal:** White NBR rubber for aluminium, Viton for stainless steel

| code (aluminium) | code (brass) | code (stainless steel) | size  | lug dimension KA [mm] | thread size [inch] |
|------------------|--------------|------------------------|-------|-----------------------|--------------------|
| ST-27-031100-11  | -            | -                      | 25-D  | 31                    | 1                  |
| ST-27-051150-11  | -            | -                      | 38    | 51                    | 1.1/2              |
| ST-27-066200-11  | -            | -                      | 52-C  | 66                    | 2                  |
| ST-27-081250-11  | -            | -                      | 65    | 81                    | 2.1/2              |
| ST-27-089250-11  | -            | -                      | 75-B  | 89                    | 2.1/2              |
| ST-27-089300-11  | -            | -                      |       |                       | 3                  |
| ST-27-105300-11  | -            | -                      | 90    | 105                   | 3                  |
| ST-27-115400-11  | -            | -                      | 100   | 115                   | 4                  |
| ST-27-133400-11  | -            | ST-27-133400-43        | 110-A | 133                   | 4                  |
| ST-27-133450-11  | -            | -                      |       |                       | 4.1/2              |
| ST-27-148500-11  | -            | -                      | 125   | 148                   | 5                  |
| ST-27-160600-11  | -            | -                      | 150   | 160                   | 6                  |



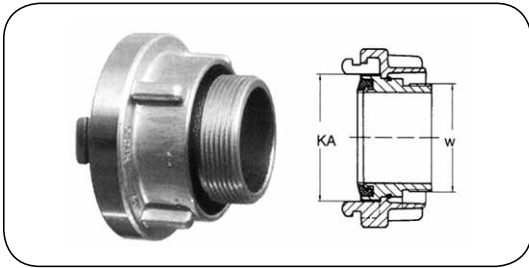
### Swivel coupling with BSP female thread

**Material:** Aluminium (Al), brass (Ms), stainless steel (SS)  
**Working press.:** 16 bar  
**Seal:** White NBR rubber for aluminium, black NBR rubber for brass, Viton for stainless steel

| code (aluminium) | code (brass)    | code (stainless steel) | size  | lug dimension KA [mm] | thread size [inch] |
|------------------|-----------------|------------------------|-------|-----------------------|--------------------|
| -                | ST-23-031075-30 | -                      | 25-D  | 31                    | 3/4                |
| -                | ST-23-031100-30 | -                      |       |                       | 1                  |
| ST-23-066125-11  | -               | -                      | 52-C  | 66                    | 1.1/4              |
| ST-23-066150-11  | -               | ST-23-066150-43        |       |                       | 1.1/2              |
| ST-23-066200-11  | ST-23-066200-30 | ST-23-06620043         | 65    | 81                    | 2                  |
| ST-23-081200-11  | -               | -                      |       |                       | 2                  |
| ST-23-081250-11  | -               | -                      | 75-B  | 89                    | 2.1/2              |
| ST-23-081300-11  | -               | -                      |       |                       | 3                  |
| ST-23-089200-11  | -               | ST-23-089200-43        | 90    | 105                   | 2                  |
| ST-23-089250-11  | -               | ST-23-089250-43        |       |                       | 2.1/2              |
| ST-23-089300-11  | -               | ST-23-089300-43        | 100   | 115                   | 3                  |
| ST-23-105300-11  | -               | -                      |       |                       | 4                  |
| ST-23-115400-11  | -               | -                      | 110-A | 133                   | 4                  |
| ST-23-133300-11  | -               | -                      |       |                       | 3                  |
| ST-23-133400-11  | -               | ST-23-133400-43        | 125   | 148                   | 4                  |
| ST-23-148400-11  | -               | -                      |       |                       | 4                  |
| ST-23-148500-11  | -               | -                      | 150   | 160                   | 5                  |
| ST-23-160400-11  | -               | -                      |       |                       | 4                  |
| ST-23-160500-11  | -               | -                      | 150   | 160                   | 5                  |
| ST-23-160600-11  | -               | -                      |       |                       | 6                  |

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ



### Swivel coupling with BSP male thread

**Material:** Aluminium (Al), brass (Ms), stainless steel (SS)  
**Working press.:** 16 bar  
**Seal:** White NBR rubber for aluminium, black NBR rubber for brass, Viton for stainless steel

| code<br>(aluminium) | code<br>(brass) | code<br>(stainless steel) | size | lug dimension<br>KA<br>[mm] | thread<br>size<br>[inch] |
|---------------------|-----------------|---------------------------|------|-----------------------------|--------------------------|
| -                   | ST-24-031075-30 | -                         | 25-D | 31                          | 3/4                      |
| -                   | ST-24-031100-30 | -                         |      |                             | 1                        |
| ST-24-066150-11     | -               | -                         | 52-C | 66                          | 1.1/2                    |
| ST-24-066200-11     | ST-24-066200-30 | ST-24-066200-43           |      |                             | 2                        |
| ST-24-081150-11     | -               | -                         | 65   | 81                          | 1.1/2                    |
| ST-24-081200-11     | -               | -                         |      |                             | 2                        |
| ST-24-081250-11     | -               | -                         |      |                             | 2.1/2                    |
| ST-24-081300-11     | -               | -                         |      |                             | 3                        |
| ST-24-089200-11     | -               | ST-24-089200-43           |      |                             | 2                        |
| ST-24-089250-11     | -               | ST-24-089250-43           | 75-B | 89                          | 2.1/2                    |
| ST-24-089300-11     | -               | -                         |      |                             | 3                        |
| ST-24-105300-11     | -               | -                         |      |                             | 90                       |
| ST-24-115300-11     | -               | -                         | 100  | 115                         | 3                        |
| ST-24-115400-11     | -               | -                         |      |                             | 4                        |
| ST-24-133300-11     | -               | -                         |      |                             | 110-A                    |
| ST-24-133400-11     | -               | ST-24-133400-43           | 4    |                             |                          |
| ST-24-148400-11     | -               | -                         | 125  | 148                         | 4                        |
| ST-24-148500-11     | -               | -                         |      |                             | 5                        |
| ST-24-160450-11     | -               | -                         |      |                             | 150                      |
| ST-24-160500-11     | -               | -                         | 5    |                             |                          |
| ST-24-160600-11     | -               | -                         | 6    |                             |                          |



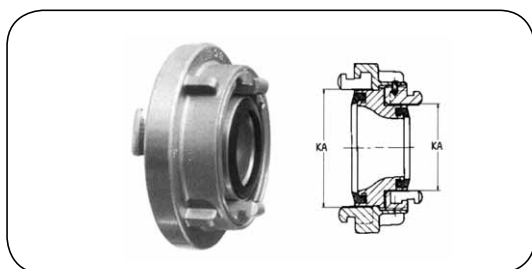
### Holding device

**Material:** Galvanized steel (St)

| code            | for coupling | lug dimension KA<br>[mm] |
|-----------------|--------------|--------------------------|
| ST-79-066000-50 | C            | 66                       |
| ST-79-089000-50 | B            | 89                       |
| ST-79-133089-50 | A / B        | 133 / 89                 |

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ



### Reducer

**Material:** Aluminium (Al), brass (Ms), stainless steel (SS)

**Working press.:** 16 bar

**Seal:** White NBR rubber for aluminium, black NBR rubber for brass, Viton for stainless steel

| code<br>(aluminium) | code<br>(brass) | code<br>(stainless steel) | size         | lug dimension KA<br>[mm] |
|---------------------|-----------------|---------------------------|--------------|--------------------------|
| ST-35-031100-11     | -               | -                         | 25-D / Geka  | 31 / 40                  |
| ST-35-051031-11     | -               | -                         | 38 / 25-D    | 51 / 31                  |
| ST-35-059031-11     | -               | -                         | 45 / 25-D    | 59 / 31                  |
| ST-35-066100-11     | -               | -                         | 52-C / Geka  | 66 / 40                  |
| ST-35-066031-11     | ST-35-066031-30 | ST-35-066031-43           | 52-C / 25-D  | 66 / 31                  |
| ST-35-066044-11     | ST-35-066044-30 | -                         | 52-C / 32    | 66 / 44                  |
| ST-35-066051-11     | ST-35-066051-30 | -                         | 52-C / 38    | 66 / 51                  |
| ST-35-081051-11     | -               | -                         | 65 / 38      | 81 / 51                  |
| ST-35-081059-11     | -               | -                         | 65 / 45      | 81 / 59                  |
| ST-35-081066-11     | ST-35-081066-30 | ST-35-081066-43           | 65 / 52-C    | 81 / 66                  |
| ST-35-089066-11     | ST-35-089066-30 | ST-35-089066-43           | 75-B / 52-C  | 89 / 66                  |
| ST-35-089066-21*    | -               | -                         |              |                          |
| ST-35-089081-11     | ST-35-089081-30 | ST-35-089081-43           | 75-B / 65    | 89 / 81                  |
| ST-35-105089-11     | -               | -                         | 90 / 75-B    | 105 / 89                 |
| ST-35-115081-11     | -               | -                         | 100 / 65     | 115 / 81                 |
| ST-35-115089-11     | -               | -                         | 100 / 75-B   | 115 / 89                 |
| ST-35-115105-11     | -               | -                         | 100 / 90     | 115 / 105                |
| ST-35-133066-11     | -               | -                         | 110-A / 52-C | 133 / 66                 |
| ST-35-133081-11     | -               | -                         | 110-A / 65   | 133 / 81                 |
| ST-35-133089-11     | ST-35-133089-30 | ST-35-133089-43           | 110-A / 75-B | 133 / 89                 |
| ST-35-133089-21*    | -               | -                         |              |                          |
| ST-35-133105-11     | -               | -                         | 110-A / 90   | 133 / 105                |
| ST-35-133115-11     | -               | -                         | 110-A / 100  | 133 / 115                |
| ST-35-148115-11     | -               | -                         | 125 / 100    | 148 / 115                |
| ST-35-148133-11     | -               | -                         | 125 / 110-A  | 148 / 133                |
| ST-35-160115-11     | -               | -                         | 150 / 100    | 160 / 115                |
| ST-35-160133-11     | -               | -                         | 150 / 110-A  | 160 / 133                |
| ST-35-160148-11     | -               | -                         | 150 / 125    | 160 / 148                |
| ST-35-188133-11**   | -               | -                         | 165 / 110-A  | 188 / 133                |
| ST-35-188160-11**   | -               | -                         | 165 / 150    | 188 / 160                |
| ST-35-220160-11**   | -               | -                         | 205 / 150    | 220 / 160                |
| ST-35-278220-11**   | -               | -                         | 250 / 205    | 278 / 220                |

\* - cast couplings PN 6 bar

\*\* - PN 10 bar

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ

Male / male thread coupling



| code<br>(aluminium) | male thread<br>size<br>[inch] | male thread<br>size<br>[inch] |
|---------------------|-------------------------------|-------------------------------|
| ST-37-150150-10     | 1.1/2                         | 1.1/2                         |
| ST-37-150200-10     | 1.1/2                         | 2                             |
| ST-37-200200-10     | 2                             | 2                             |
| ST-37-200300-10     | 2                             | 3                             |
| ST-37-250250-10     | 2.1/2                         | 2.1/2                         |
| ST-37-250300-10     | 2.1/2                         | 3                             |
| ST-37-300300-10     | 3                             | 3                             |
| ST-37-300400-10     | 3                             | 4                             |
| ST-37-400400-10     | 4                             | 4                             |
| ST-37-400400-40*    | 4                             | 4                             |
| ST-37-500500-10     | 5                             | 5                             |
| ST-37-600600-10     | 6                             | 6                             |
| ST-37-800800-10     | 8                             | 8                             |

\* - stainless steel

Female / male thread coupling



| code<br>(aluminium) | female thread<br>size<br>[inch] | male thread<br>size<br>[inch] |
|---------------------|---------------------------------|-------------------------------|
| ST-37-125200-12     | 1.1/4                           | 2                             |
| ST-37-150200-12     | 1.1/2                           | 2                             |
| ST-37-200250-12     | 2                               | 2.1/2                         |
| ST-37-200300-12     | 2                               | 3                             |
| ST-37-250200-12     | 2.1/2                           | 2                             |
| ST-37-250200-42*    | 2.1/2                           | 2                             |
| ST-37-250300-12     | 2.1/2                           | 3                             |
| ST-37-250400-12     | 2.1/2                           | 4                             |
| ST-37-300200-12     | 3                               | 2                             |
| ST-37-300250-12     | 3                               | 2.1/2                         |
| ST-37-300400-12     | 3                               | 4                             |
| ST-37-400300-12     | 4                               | 3                             |
| ST-37-400500-12     | 4                               | 5                             |
| ST-37-500600-12     | 5                               | 6                             |

\* - stainless steel

Female / female thread coupling



| code<br>(aluminium) | female thread<br>size<br>[inch] | female thread<br>size<br>[inch] |
|---------------------|---------------------------------|---------------------------------|
| ST-37-200200-14     | 2                               | 2                               |
| ST-37-200250-14     | 2                               | 2.1/2                           |
| ST-37-200300-14     | 2                               | 3                               |
| ST-37-250250-14     | 2.1/2                           | 2.1/2                           |
| ST-37-250300-14     | 2.1/2                           | 3                               |
| ST-37-250300-44*    | 2.1/2                           | 3                               |
| ST-37-250400-14     | 2.1/2                           | 4                               |
| ST-37-300300-14     | 3                               | 3                               |
| ST-37-300400-14     | 3                               | 4                               |
| ST-37-400400-14     | 4                               | 4                               |
| ST-37-400500-14     | 4                               | 5                               |
| ST-37-500500-14     | 5                               | 5                               |
| ST-37-500600-14     | 5                               | 6                               |

\* - stainless steel

Hose connector

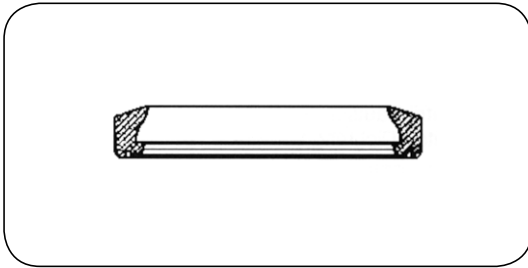


| code<br>(aluminium) | hose I.D.<br>[mm] |
|---------------------|-------------------|
| ST-76-000025-30*    | 25                |
| ST-76-000042-10     | 42                |
| ST-76-000052-10     | 52                |
| ST-76-000065-10     | 65                |
| ST-76-000075-10     | 75                |
| ST-76-000100-10     | 100               |
| ST-76-000110-10     | 110               |
| ST-76-000125-10     | 125               |
| ST-76-000150-10     | 150               |

\* - brass

# INDUSTRIAL FITTINGS - couplings

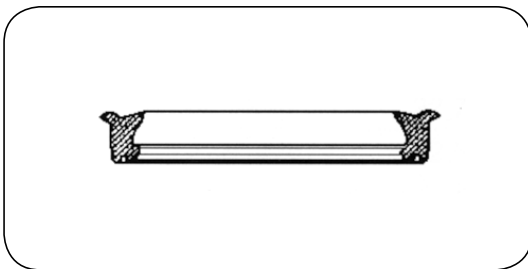
## Symmetrical couplings STORZ



### Seal for delivery hose couplings

**Material:** Black NBR rubber, white NBR rubber, Viton, KTW - for drinking water

| code<br>(black NBR) | code<br>(white NBR) | code<br>(Viton) | code<br>(KTW - drinking<br>water) | size | lug dimension KA<br>[mm] |
|---------------------|---------------------|-----------------|-----------------------------------|------|--------------------------|
| ST-91-001059-00     | -                   | -               | -                                 | 45   | 59                       |
| ST-91-001066-00     | ST-91-001066-01     | ST-91-001066-03 | ST-91-001066-05                   | 52-C | 66                       |
| ST-91-001081-00     | ST-91-001081-01     | -               | -                                 | 65   | 81                       |
| ST-91-001089-00     | ST-91-001089-01     | ST-91-001089-03 | ST-91-001089-05                   | 75-B | 89                       |
| ST-91-001115-00     | -                   | -               | -                                 | 100  | 115                      |



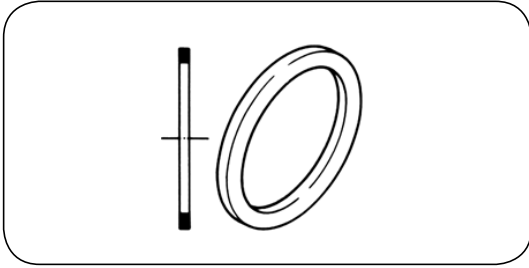
### Seal for suction-delivery hoses

**Material:** Black NBR rubber, white NBR rubber, Viton, KTW - for drinking water

| code<br>(black NBR) | code<br>(white NBR) | code<br>(silicone) | code<br>(Viton) | code<br>(EPDM)  | code<br>(KTW - drinking<br>water) | size  | lug<br>KA<br>[mm] |
|---------------------|---------------------|--------------------|-----------------|-----------------|-----------------------------------|-------|-------------------|
| ST-91-002031-00     | ST-91-002031-01     | ST-91-002031-02    | ST-91-002031-03 | ST-91-002031-04 | ST-91-002031-05                   | 25-D  | 31                |
| ST-91-002044-00     | ST-91-002044-01     | ST-91-002044-02    | -               | -               | -                                 | 32    | 44                |
| ST-91-002051-00     | ST-91-002051-01     | ST-91-002051-02    | ST-91-002051-03 | -               | -                                 | 38    | 51                |
| ST-91-002066-00     | ST-91-002066-01     | ST-91-002066-02    | ST-91-002066-03 | ST-91-002066-04 | ST-91-002066-05                   | 52-C  | 66                |
| ST-91-002081-00     | ST-91-002081-01     | ST-91-002081-02    | ST-91-002081-03 | -               | -                                 | 65    | 81                |
| ST-91-002089-00     | ST-91-002089-01     | ST-91-002089-02    | ST-91-002089-03 | ST-91-002089-04 | ST-91-002089-05                   | 75-B  | 89                |
| ST-91-002105-00     | ST-91-002105-01     | ST-91-002105-02    | -               | -               | -                                 | 90    | 105               |
| ST-91-002115-00     | ST-91-002115-01     | ST-91-002115-02    | ST-91-002115-03 | -               | -                                 | 100   | 115               |
| ST-91-002133-00     | ST-91-002133-01     | ST-91-002133-02    | ST-91-002133-03 | ST-91-002133-04 | ST-91-002133-05                   | 110-A | 133               |
| ST-91-002148-00     | ST-91-002148-01     | ST-91-002148-02    | ST-91-002148-03 | -               | -                                 | 125   | 148               |
| ST-91-002160-00     | ST-91-002160-01     | ST-91-002160-02    | ST-91-002160-03 | -               | -                                 | 150   | 160               |
| -                   | ST-91-002188-01     | -                  | -               | -               | -                                 | 165   | 188               |
| -                   | ST-91-002220-01     | -                  | -               | -               | -                                 | 205   | 220               |
| -                   | ST-91-002278-01     | -                  | -               | -               | -                                 | 250   | 278               |

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ



### Flat seal for couplings with female thread

**Material:** White NBR rubber, black NBR rubber, silicone, PTFE

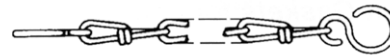
| code<br>(black NBR) | code<br>(white NBR) | code<br>(silicone) | code<br>(PTFE)  | male thread<br>size<br>[inch] | seal<br>size<br>[mm] |
|---------------------|---------------------|--------------------|-----------------|-------------------------------|----------------------|
| ST-91-003050-00     | ST-91-003050-01     | -                  | -               | 1/2                           | 22 / 17 x 2          |
| ST-91-003075-00     | ST-91-003075-01     | -                  | -               | 3/4                           | 27 / 18 x 2          |
| ST-91-003100-00     | ST-91-003100-01     | ST-91-003100-02    | ST-91-003100-03 | 1                             | 33 / 20 x 3          |
| ST-91-003125-00     | ST-91-003125-01     | -                  | ST-91-003125-03 | 1.1/4                         | 42 / 33 x 3          |
| ST-91-003150-00     | ST-91-003150-01     | -                  | ST-91-003150-03 | 1.1/2                         | 48 / 39 x 3          |
| ST-91-003200-00     | ST-91-003200-01     | ST-91-003200-02    | ST-91-003200-03 | 2                             | 60 / 47 x 3          |
| ST-91-003250-00     | ST-91-003250-01     | -                  | ST-91-003250-03 | 2.1/2                         | 76 / 66 x 3          |
| ST-91-003300-00     | ST-91-003300-01     | ST-91-003300-02    | ST-91-003300-03 | 3                             | 88 / 76 x 3          |
| ST-91-003350-00     | ST-91-003350-01     | -                  | -               | 3.1/2                         | 101 / 89 x 3         |
| ST-91-003400-00     | ST-91-003400-01     | ST-91-003400-02    | ST-91-003400-03 | 4                             | 113 / 102 x 3        |
| ST-91-003450-00     | ST-91-003450-01     | -                  | ST-91-003450-03 | 4.1/2                         | 126 / 105 x 3        |
| ST-91-003500-00     | ST-91-003500-01     | -                  | ST-91-003500-03 | 5                             | 140 / 122 x 4        |
| ST-91-003600-00     | ST-91-003600-01     | -                  | ST-91-003600-03 | 6                             | 165 / 140 x 4        |
| ST-91-003800-00     | ST-91-003800-01     | -                  | -               | 8                             | 216 / 190 x 5        |
| ST-91-003999-00     | ST-91-003999-01     | -                  | -               | 10                            | 267 / 240 x 5        |

Safety clamp preventing coupling from disconnection



| code            | for O.D.<br>[mm] | size  |
|-----------------|------------------|-------|
| ST-78-000098-00 | 98               | 52-C  |
| ST-78-000126-00 | 126              | 75-B  |
| ST-78-000144-00 | 144              | 90    |
| ST-78-000156-00 | 156              | 100   |
| ST-78-000182-00 | 182              | 110-A |
| ST-78-000196-00 | 196              | 125   |
| ST-78-000215-00 | 215              | 150   |


Chain for blank caps












| code<br>(galvanized steel) | code<br>(stainless steel) | size      |
|----------------------------|---------------------------|-----------|
| ST-91-006031-50            | ST-91-006031-70           | 25 ÷ 38   |
| ST-91-006066-50            | ST-91-006066-70           | 45 ÷ 75   |
| ST-91-006133-50            | ST-91-006133-70           | 90 ÷ 150  |
| ST-91-006220-50            | -                         | 165 ÷ 205 |

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ

| Water jet   |             |                       |
|---|-------------|-----------------------|
|  |             |                       |
| code  | size [inch] | lug dimension KA [mm] |
| ST-46-200066-10   | 2           | 66                    |
| ST-46-250089-10   | 2.1/2       | 89                    |

| Blank cap with release valve  |             |                       |
|---|-------------|-----------------------|
|  |             |                       |
| code  | size [inch] | lug dimension KA [mm] |
| ST-31-600066-11   | 52-C        | 66                    |
| ST-31-600081-11   | 65          | 81                    |
| ST-31-600089-11   | 75-B        | 89                    |
| ST-31-600105-11   | 90          | 105                   |
| ST-31-600115-11   | 100         | 115                   |
| ST-31-600133-11   | 110-A       | 133                   |
| ST-31-600148-11   | 125         | 148                   |
| ST-31-600160-11   | 150         | 160                   |

| STORZ wrenches  |  | code            | size    | material                  | pic. |
|---|--|-----------------|---------|---------------------------|------|
|  |  | ST-71-031031-50 | D       | steel                     | 1    |
|  |  | ST-71-081051-20 | 65/38   | malleable cast iron       | 2    |
|  |  | ST-71-089066-20 | BC      | malleable cast iron       | 3    |
|  |  | ST-71-089066-50 | BC      | steel<br>(plastic handle) | 4    |
|  |  | ST-71-133066-20 | ABC     | malleable cast iron       | 5    |
|  |  | ST-71-133066-50 | ABC     | steel<br>(plastic handle) | 6    |
|  |  | ST-71-160148-50 | 150/125 | steel                     | 7    |
|  |  | ST-71-278188-50 | 250/205 | steel                     | 8    |

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings STORZ





# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings GUILLEMIN

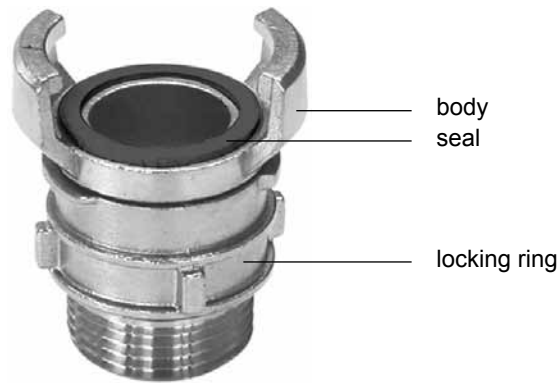
GUILLEMIN couplings are designed for transfer installations and reloading of liquid, loose and granulated products. Not suitable for steam or gas transfer. The coupling parts are symmetrical - both halves are identical. Manufactured according to EN 14420-8 / NF-E-29572 standard.

Maximum working pressure: 16 bar

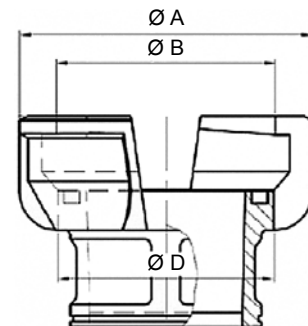
Material versions:

- aluminium (seal: white NBR rubber), working temperature: from -10°C up to +80°C
- AISI 316 (seal: black FKM rubber - Viton), working temperature: from -10°C up to +180°C

GUILLEMIN coupling - construction and dimensions:




| DN [mm] | Ø A [mm] | Ø B [mm] | Ø D [mm] |
|---------|----------|----------|----------|
| 20      | 47       | 32       | 31       |
| 25      | 54       | 37       | 37       |
| 32      | 58       | 42.5     | 41.5     |
| 40      | 75       | 55       | 54       |
| 50      | 92       | 69       | 68       |
| 65      | 108      | 84       | 83       |
| 80      | 131      | 103      | 101      |
| 100     | 151      | 123      | 121      |
| 150     | 236      | 193      | 190      |





| Coupling with hose tail | code | DN [mm]    | hose I.D. [mm] | material |
|-------------------------|------|------------|----------------|----------|
|                         |      | GU-W-051-A | 50             | 51       |
| GU-W-063-A              |      | 65         | 63             |          |
| GU-W-076-A              |      | 80         | 76             |          |
| GU-W-081-A              |      | 80         | 81             |          |
| GU-W-102-A              |      | 100        | 102            | AISI 316 |
| GU-W-051-SS             |      | 50         | 51             |          |
| GU-W-063-SS             |      | 65         | 63             |          |
| GU-W-076-SS             |      | 80         | 76             |          |
| GU-W-102-SS             | 100  | 102        |                |          |

# INDUSTRIAL FITTINGS - couplings

## Symmetrical couplings GUILLEMIN


| Coupling with male thread | code  | DN<br>[mm]  | thread size<br>[inch] | material |
|---------------------------|---|-------------|-----------------------|----------|
|                           |  | GU-GZ-075-A | 20                    | 3/4"     |
| GU-GZ-100-A               |   | 25          | 1"                    |          |
| GU-GZ-125-A               |   | 32          | 1.1/4"                |          |
| GU-GZ-150-A               |   | 40          | 1.1/2"                |          |
| GU-GZ-200-A               |   | 50          | 2"                    |          |
| GU-GZ-250-A               |   | 65          | 2.1/2"                |          |
| GU-GZ-300-A               |   | 80          | 3"                    |          |
| GU-GZ-400-A               |   | 100         | 4"                    |          |
| GU-GZ-075-SS              |   | 20          | 3/4"                  | AISI 316 |
| GU-GZ-100-SS              |   | 25          | 1"                    |          |
| GU-GZ-125-SS              |   | 32          | 1.1/4"                |          |
| GU-GZ-150-SS              |   | 40          | 1.1/2"                |          |
| GU-GZ-200-SS              |   | 50          | 2"                    |          |
| GU-GZ-250-SS              |   | 65          | 2.1/2"                |          |
| GU-GZ-300-SS              |   | 80          | 3"                    |          |
| GU-GZ-400-SS              |   | 100         | 4"                    |          |


| Coupling with female thread | code  | DN<br>[mm]  | thread size<br>[inch] | material |
|-----------------------------|---|-------------|-----------------------|----------|
|                             |  | GU-GW-075-A | 20                    | 3/4"     |
| GU-GW-100-A                 |   | 25          | 1"                    |          |
| GU-GW-125-A                 |   | 32          | 1.1/4"                |          |
| GU-GW-150-A                 |   | 40          | 1.1/2"                |          |
| GU-GW-200-A                 |   | 50          | 2"                    |          |
| GU-GW-250-A                 |   | 65          | 2.1/2"                |          |
| GU-GW-300-A                 |   | 80          | 3"                    |          |
| GU-GW-400-A                 |   | 100         | 4"                    |          |
| GU-GW-075-SS                |   | 20          | 3/4"                  | AISI 316 |
| GU-GW-100-SS                |   | 25          | 1"                    |          |
| GU-GW-125-SS                |   | 32          | 1.1/4"                |          |
| GU-GW-150-SS                |   | 40          | 1.1/2"                |          |
| GU-GW-200-SS                |   | 50          | 2"                    |          |
| GU-GW-250-SS                |   | 65          | 2.1/2"                |          |
| GU-GW-300-SS                |   | 80          | 3"                    |          |
| GU-GW-400-SS                |   | 100         | 4"                    |          |


| Blank cap with chain | code  | DN<br>[mm]  | material |
|----------------------|---|-------------|----------|
|                      |  | GU-DP-075-A | 20       |
| GU-DP-100-A          |   | 25          |          |
| GU-DP-125-A          |   | 32          |          |
| GU-DP-150-A          |   | 40          |          |
| GU-DP-200-A          |   | 50          |          |
| GU-DP-250-A          |   | 65          |          |
| GU-DP-300-A          |   | 80          |          |
| GU-DP-400-A          |   | 100         |          |
| GU-DP-075-SS         |   | 20          | AISI 316 |
| GU-DP-100-SS         |   | 25          |          |
| GU-DP-125-SS         |   | 32          |          |
| GU-DP-150-SS         |   | 40          |          |
| GU-DP-200-SS         |   | 50          |          |
| GU-DP-250-SS         |   | 65          |          |
| GU-DP-300-SS         |   | 80          |          |
| GU-DP-400-SS         |   | 100         |          |


# INDUSTRIAL FITTINGS - couplings


## Symmetrical couplings NOR (Norway)

| picture   | code           | DN [mm] | lug dimension [mm] | fitting diameter [mm] | description  |
|---|----------------|---------|--------------------|-----------------------|--|
|  | GP-NOR1040038B | 40      | 50                 | 38                    | Coupling with hose tail.<br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-NOR1050038B | 50      | 66                 | 38                    |  |
|   | GP-NOR1050052B | 50      | 66                 | 52                    |  |
|   | GP-NOR1065038B | 65      | 83                 | 38                    |  |
|   | GP-NOR1065052B | 65      | 83                 | 52                    |  |
|   | GP-NOR1065064B | 65      | 83                 | 64                    |  |

| picture   | code           | DN [mm] | lug dimension [mm] | thread size [inch] | description  |
|---|----------------|---------|--------------------|--------------------|--|
|  | GP-NOR2040025B | 40      | 50                 | 1                  | Coupling with BSP female thread.<br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-NOR2040050B | 40      | 50                 | 2                  |  |
|   | GP-NOR2050038B | 50      | 66                 | 1.1/2              |  |
|   | GP-NOR2050050B | 50      | 66                 | 2                  |  |
|   | GP-NOR2065038B | 65      | 83                 | 1.1/2              |  |
|   | GP-NOR2065050B | 65      | 83                 | 2                  |  |
|   | GP-NOR2065065B | 65      | 83                 | 2.1/2              |  |


| picture   | code           | DN [mm] | lug dimension [mm] | thread size [inch] | description  |
|---|----------------|---------|--------------------|--------------------|--|
|  | GP-NOR3040032B | 40      | 50                 | 1.1/4              | Coupling with BSP male thread.<br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-NOR3050038B | 50      | 66                 | 1.1/2              |  |
|   | GP-NOR3050050B | 50      | 66                 | 2                  |  |
|   | GP-NOR3065038B | 65      | 83                 | 1.1/2              |  |
|   | GP-NOR3065050B | 65      | 83                 | 2                  |  |
|   | GP-NOR3065065B | 65      | 83                 | 2.1/2              |  |


| picture   | code           | DN [mm] | lug dimension [mm] | description  |
|---|----------------|---------|--------------------|--|
|  | GP-NOR4040050B | 40      | 50                 | Blank cap with chain.<br>Material: aluminium.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-NOR4050066B | 50      | 66                 |  |
|   | GP-NOR4065083B | 65      | 83                 |  |


| picture   | code       | DN [mm] | description             |
|---|------------|---------|-------------------------|
|  | GP-NOR5040 | 40      | Seal.<br>Material: NBR. |
|   | GP-NOR5050 | 50      |                         |
|   | GP-NOR5065 | 65      |                         |


# INDUSTRIAL FITTINGS - couplings


## Symmetrical couplings ROTTA ROTH (Russia)

| picture   | code            | DN [mm] | lug dimension [mm] | fitting diameter [mm] | description  |
|---|-----------------|---------|--------------------|-----------------------|--|
|  | GP-ROTH1050038B | 50      | 68                 | 38                    | Coupling with hose tail.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-ROTH1050052B | 50      | 68                 | 52                    |  |
|   | GP-ROTH1070052B | 70      | 85                 | 52                    |  |
|   | GP-ROTH1070064B | 70      | 85                 | 64                    |  |

| picture   | code            | DN [mm] | lug dimension [mm] | thread size [inch] | description  |
|---|-----------------|---------|--------------------|--------------------|--|
|  | GP-ROTH2050038B | 50      | 68                 | 1.1/2              | Coupling with BSP female thread.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-ROTH2050050B | 50      | 68                 | 2                  |  |
|   | GP-ROTH2070050B | 70      | 85                 | 2                  |  |
|   | GP-ROTH2070065B | 70      | 85                 | 2.1/2              |  |


| picture   | code            | DN [mm] | lug dimension [mm] | thread size [inch] | description  |
|---|-----------------|---------|--------------------|--------------------|--|
|  | GP-ROTH3050038B | 50      | 68                 | 1.1/2              | Coupling with BSP male thread.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-ROTH3050050B | 50      | 68                 | 2                  |  |


| picture   | code            | DN [mm] | lug dimension [mm] | description   |
|---|-----------------|---------|--------------------|---|
|  | GP-ROTH4050068B | 50      | 68                 | Blank cap with chain.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-ROTH4070085B | 70      | 85                 |   |


| picture   | code        | DN [mm] | description    |
|---|-------------|---------|----------------|
|  | GP-ROTH5050 | 50      | Seal.          |
|   | GP-ROTH5070 | 70      | Material: NBR. |


## INDUSTRIAL FITTINGS - couplings

### Symmetrical couplings GOST no. 28352-89, 2217-66 (Russia)

| picture   | code            | DN [mm] | lug dimension [mm] | fitting diameter [mm] | description   |
|---|-----------------|---------|--------------------|-----------------------|---|
|  | GP-GOST1050052A | 50      | 78                 | 52                    | Coupling with hose tail.<br><br>Material: aluminium.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-GOST1070044A | 70      | 95                 | 44                    |   |
|   | GP-GOST1070052A | 70      | 95                 | 52                    |   |
|   | GP-GOST1070064A | 70      | 95                 | 64                    |   |
|   | GP-GOST1080075A | 80      | 107                | 75                    |   |
|   | GP-GOST1100100A | 100     | 140                | 100                   |   |
|   | GP-GOST1110110A | 110     | 143                | 110                   |   |


| picture  | code            | DN [mm] | lug dimension [mm] | fitting diameter [mm] | description  |
|--|-----------------|---------|--------------------|-----------------------|--|
|  | GP-GOST1050038B | 50      | 78                 | 38                    | Coupling with hose tail.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|  | GP-GOST1050052B | 50      | 78                 | 52                    |  |
|  | GP-GOST1070044B | 70      | 95                 | 44                    |  |
|  | GP-GOST1070052B | 70      | 95                 | 52                    |  |
|  | GP-GOST1070064B | 70      | 95                 | 64                    |  |
|  | GP-GOST1080075B | 80      | 107                | 75                    |  |
|  | GP-GOST1100100B | 100     | 140                | 100                   |  |
| GP-GOST1110110B  | 110             | 143     | 110                |                       |  |


| picture   | code            | DN [mm] | lug dimension [mm] | thread size [inch] | description   |
|---|-----------------|---------|--------------------|--------------------|---|
|  | GP-GOST2050050A | 50      | 78                 | 2                  | Coupling with BSP female thread.<br><br>Material: aluminium.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-GOST2050065A | 50      | 78                 | 2.1/2              |   |
|   | GP-GOST2070050A | 70      | 95                 | 2                  |   |
|   | GP-GOST2070065A | 70      | 95                 | 2.1/2              |   |
|   | GP-GOST2080075A | 80      | 107                | 3                  |   |
|   | GP-GOST2110100A | 110     | 143                | 4                  |   |


| picture   | code            | DN [mm] | lug dimension [mm] | thread size [inch] | description  |
|---|-----------------|---------|--------------------|--------------------|--|
|  | GP-GOST2050050B | 50      | 78                 | 2                  | Coupling with BSP female thread.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-GOST2050065B | 50      | 78                 | 2.1/2              |  |
|   | GP-GOST2070050B | 70      | 95                 | 2                  |  |
|   | GP-GOST2070065B | 70      | 95                 | 2.1/2              |  |
|   | GP-GOST2080050B | 80      | 107                | 2                  |  |
|   | GP-GOST2080065B | 80      | 107                | 2.1/2              |  |
|   | GP-GOST2080075B | 80      | 107                | 3                  |  |
|   | GP-GOST2100100B | 100     | 140                | 4                  |  |
|   | GP-GOST2110100B | 110     | 143                | 4                  |  |


# INDUSTRIAL FITTINGS - couplings


## Symmetrical couplings GOST no. 28352-89, 2217-66 (Russia)

| picture   | code            | DN [mm] | lug dimension [mm] | thread size [inch] | description   |
|---|-----------------|---------|--------------------|--------------------|---|
|  | GP-GOST3050050A | 50      | 78                 | 2                  | Coupling with BSP male thread.<br><br>Material: aluminium.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-GOST3070050A | 70      | 95                 | 2                  |   |
|   | GP-GOST3070065A | 70      | 95                 | 2.1/2              |   |
|   | GP-GOST3080050A | 80      | 107                | 2                  |   |
|   | GP-GOST3080065A | 80      | 107                | 2.1/2              |   |
|   | GP-GOST3080075A | 80      | 107                | 3                  |   |
|   | GP-GOST3110100A | 110     | 143                | 4                  |   |

| picture  | code            | DN [mm] | lug dimension [mm] | thread size [inch] | description  |
|--|-----------------|---------|--------------------|--------------------|--|
|  | GP-GOST3050065B | 50      | 78                 | 2.1/2              | Coupling with BSP male thread.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|  | GP-GOST3070050B | 70      | 95                 | 2                  |  |
|  | GP-GOST3070065B | 70      | 95                 | 2.1/2              |  |
|  | GP-GOST3080075B | 80      | 107                | 3                  |  |
|  | GP-GOST3100100B | 100     | 140                | 4                  |  |
|  | GP-GOST3110100B | 110     | 143                | 4                  |  |


| picture   | code            | DN [mm] | lug dimension [mm] | description  |
|---|-----------------|---------|--------------------|--|
|  | GP-GOST4050078A | 50      | 78                 | Blank cap with chain.<br><br>Material: aluminium.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-GOST4070095A | 70      | 95                 |  |
|   | GP-GOST4080107A | 80      | 107                |  |
|   | GP-GOST4100140A | 100     | 140                |  |
|   | GP-GOST4110143A | 110     | 143                |  |


| picture   | code            | DN [mm] | lug dimension [mm] | description   |
|---|-----------------|---------|--------------------|---|
|  | GP-GOST4050078B | 50      | 78                 | Blank cap with chain.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-GOST4070095B | 70      | 95                 |   |
|   | GP-GOST4080107B | 80      | 107                |   |
|   | GP-GOST4100140B | 100     | 140                |   |
|   | GP-GOST4110143B | 110     | 143                |   |


| picture   | code        | DN [mm] | description                 |
|---|-------------|---------|-----------------------------|
|  | GP-GOST5050 | 50      | Seal.<br><br>Material: NBR. |
|   | GP-GOST5070 | 70      |                             |
|   | GP-GOST5080 | 80      |                             |
|   | GP-GOST5100 | 100     |                             |
|   | GP-GOST5110 | 110     |                             |


# INDUSTRIAL FITTINGS - couplings


## Symmetrical couplings SMS (Sweden)

| picture   | code           | DN [mm] | lug dimension [mm] | fitting diameter [mm] | description  |
|---|----------------|---------|--------------------|-----------------------|--|
|  | GP-SMS1032038B | 32      | 41                 | 38                    | Coupling with hose tail.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-SMS1063038B | 63      | 76                 | 38                    |  |
|   | GP-SMS1063052B | 63      | 76                 | 52                    |  |
|   | GP-SMS1063064B | 63      | 76                 | 64                    |  |

| picture   | code           | DN [mm] | lug dimension [mm] | thread size [inch] | description  |
|---|----------------|---------|--------------------|--------------------|--|
|  | GP-SMS2032025B | 32      | 41                 | 1                  | Coupling with BSP female thread.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-SMS2032050B | 32      | 41                 | 2                  |  |
|   | GP-SMS2063025B | 63      | 76                 | 1                  |  |
|   | GP-SMS2063038B | 63      | 76                 | 1.1/2              |  |
|   | GP-SMS2063050B | 63      | 76                 | 2                  |  |
|   | GP-SMS2063065B | 63      | 76                 | 2.1/2              |  |

| picture   | code           | DN [mm] | lug dimension [mm] | thread size [inch] | description  |
|---|----------------|---------|--------------------|--------------------|--|
|  | GP-SMS3032050B | 32      | 41                 | 2                  | Coupling with BSP male thread.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-SMS3063050B | 32      | 76                 | 2                  |  |

| picture   | code           | DN [mm] | lug dimension [mm] | description   |
|---|----------------|---------|--------------------|---|
|  | GP-SMS4032041B | 32      | 41                 | Blank cap with chain.<br><br>Material: bronze.<br>Working press.: 10 bar.<br>Seal: NBR. |
|   | GP-SMS4063076B | 63      | 76                 |   |

| picture   | code       | DN [mm] | description                |
|---|------------|---------|----------------------------|
|  | GP-SMS5032 | 32      | Seal<br><br>Material: NBR. |
|   | GP-SMS5063 | 63      |                            |