



Hohner Accessories



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ALU-FLEX

ALUMINIUM GROOVED FLEXIBLE COUPLINGS OR STAINLESS STEEL

- Without free-plays. They do not produce any speed variations in the transmission
- High torsional rigidity
- Available with setscrews and built-in clamps
- Resistant to oils and chemical products
- Mechanical protection against excessive torque



ALU-FLEX are single flexible couplings in a single piece, machined from hardened aluminium alloy.

They are suitable for transmissions that require moderate torque and when shaft misalignment is not very large. They act as mechanical fuses to excessive torques.

These couplings are suitable for measurement and control systems, together with reduced torque drives. They permit transmission of very precise kinematic movement, without free-

play and with low torsional elasticity. They are recommended for auxiliary machines, tachometric generators potentiometers and encoders etc.

The coupling will absorb errors in alignment and shaft installation.

TECHNICAL SPECIFICATIONS

| | Torque | Clamping torque | Max. Speed | Admissible max. misalignment | | | Torsion spring stiffness | Radial spring stiffness | Weight | Inertia |
|-----------------|--------|-----------------|------------|------------------------------|-------|--------|--------------------------|-------------------------|--------|---------|
| | Ncm | Ncm | | Angular | Axial | Radial | | | | |
| | | | | degree | mm | mm | | | | |
| AFP 6508 | 2 | 8 | 8000 | ±2 | ±0.15 | ±0.1 | 0.55 | 24 | 0.5 | 0.02 |
| AFP 1015 | 15 | 15 | 8000 | ±2 | ±0.2 | ±0.15 | 2.2 | 22 | 2.4 | 0.34 |
| AFP 1218 | 25 | 35 | 8000 | ±2.5 | ±0.25 | ±0.15 | 2.8 | 28 | 4 | 0.83 |
| AFP 1622 | 40 | 80 | 8000 | ±3 | ±0.3 | ±0.2 | 5 | 34 | 9.5 | 3.2 |
| AFP 1922 | 60 | 80 | 8000 | ±3.5 | ±0.4 | ±0.25 | 9 | 40 | 13 | 6.7 |
| AFP 2524 | 100 | 120 | 8000 | ±4 | ±0.5 | ±0.3 | 20 | 60 | 26 | 22.2 |
| AFP 2532 | 100 | 120 | 8000 | ±4 | ±0.5 | ±0.3 | 18 | 50 | 35 | 30 |
| AFP 3030 | 150 | 120 | 8000 | ±4 | ±0.5 | ±0.3 | 21 | 60 | 45 | 57 |
| AFP 3038 | 150 | 120 | 8000 | ±4 | ±0.5 | ±0.3 | 21 | 60 | 60 | 76 |
| AFA 1421 | 50 | 50 | 6000 | ±3 | ±0.25 | ±0.2 | 4.5 | 22 | 6.5 | 1.9 |
| AFA 1625 | 60 | 50 | 6000 | ±3.5 | ±0.3 | ±0.2 | 5.5 | 30 | 10 | 3.8 |
| AFA 1928 | 80 | 120 | 6000 | ±4 | ±0.4 | ±0.25 | 8 | 36 | 16 | 8.7 |
| AFA 2532 | 100 | 100 | 6000 | ±4 | ±0.5 | ±0.35 | 16 | 45 | 34 | 29 |
| IFA 2532 | 200 | 150 | 6000 | ±4 | ±0.5 | ±0.35 | 29 | 150 | 88 | 84 |
| AFA 3038 | 150 | 100 | 6000 | ±4 | ±0.5 | ±0.35 | 19 | 60 | 58 | 76 |



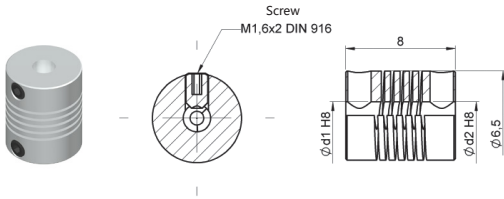
ALU-FLEX

ALUMINIUM GROOVED FLEXIBLE COUPLINGS OR STAINLESS STEEL OR STAINLESS STEEL

AFP 6508 - Aluminium

Ordering code example: AFP 6508 02/02

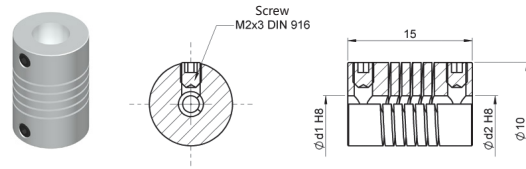
| d1/d2 | 1.0 | 1.5 | 2.0 |
|-------|-----|-----|-----|
| 1.0 | X | X | X |
| 1.5 | | X | X |
| 2.0 | | | X |



AFP 1015 - Aluminium

Ordering code example: AFP 1015 02/02

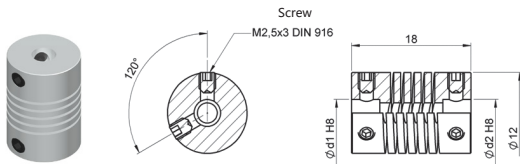
| d1/d2 | 02 | 03 | 04 | 05 |
|-------|----|----|----|----|
| 02 | X | X | X | X |
| 03 | | X | X | X |
| 04 | | | X | X |
| 05 | | | | X |



AFP 1218 - Aluminium

Ordering code example: AFP 1218 04/04

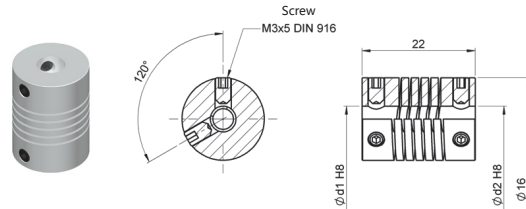
| d1/d2 | 02 | 03 | 04 | 05 |
|-------|----|----|----|----|
| 02 | | | X | |
| 03 | | X | X | |
| 04 | | | X | X |
| 05 | | | | X |



AFP 1622 - Aluminium

Ordering code example: AFP 1622 06/06

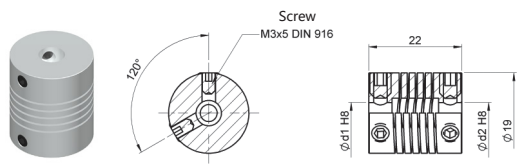
| d1/d2 | 03 | 04 | 05 | 06 |
|-------|----|----|----|----|
| 03 | X | X | X | X |
| 04 | | X | X | X |
| 05 | | | X | X |
| 06 | | | | X |



AFP 1922 - Aluminium

Ordering code example: AFP 1922 06/06

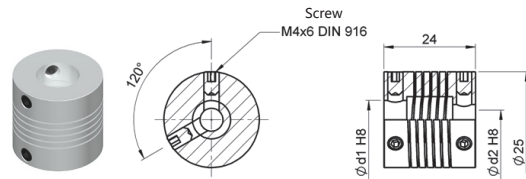
| d1/d2 | 04 | 05 | 06 | 08 |
|-------|----|----|----|----|
| 04 | | | X | |
| 05 | | X | X | |
| 06 | | | X | X |
| 08 | | | | X |



AFP 2524 - Aluminium

Ordering code example: AFP 2524 06/06

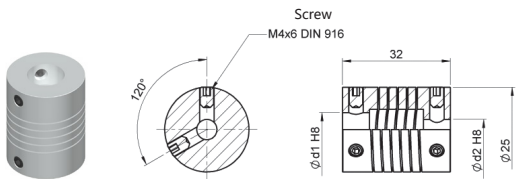
| d1/d2 | 06 | 08 | 10 | 12 |
|-------|----|----|----|----|
| 06 | X | X | X | X |
| 08 | | X | X | X |
| 10 | | | X | X |
| 12 | | | | X |



AFP 2532 - Aluminium

Ordering code example: AFP 2532 10/10

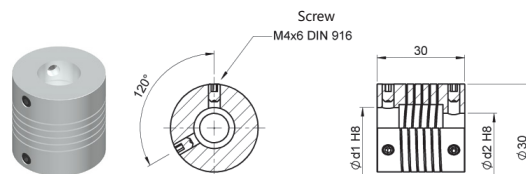
| d1/d2 | 06 | 08 | 10 | 12 |
|-------|----|----|----|----|
| 06 | X | X | X | X |
| 08 | | X | X | X |
| 10 | | | X | X |
| 12 | | | | X |



AFP 3030 - Aluminium

Ordering code example: AFP 3030 10/10

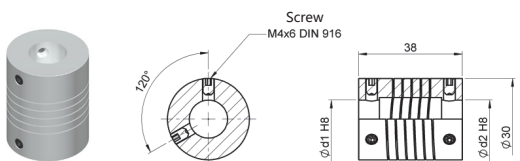
| d1/d2 | 10 | 12 | 14 |
|-------|----|----|----|
| 10 | X | X | X |
| 12 | | X | X |
| 14 | | | X |



AFP 3038 - Aluminium

Ordering code example: AFP 3038 12/12

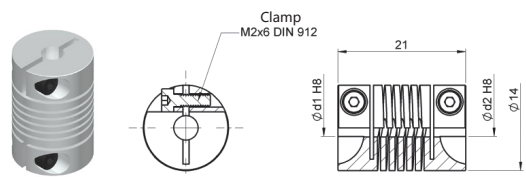
| d1/d2 | 10 | 12 | 14 |
|-------|----|----|----|
| 10 | X | X | X |
| 12 | | X | X |
| 14 | | | X |



AFA 1421 - Aluminium

Ordering code example: AFA 1421 04/04

| d1/d2 | 02 | 03 | 04 |
|-------|----|----|----|
| 02 | X | X | X |
| 03 | | X | X |
| 04 | | | X |



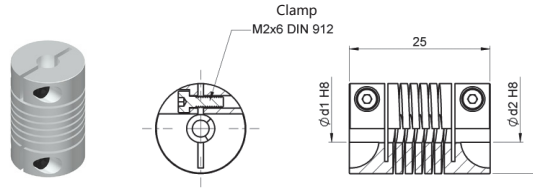
ALU-FLEX

ALUMINIUM GROOVED FLEXIBLE COUPLINGS OR STAINLESS STEEL OR STAINLESS STEEL

AFA 1625 - Aluminium

Ordering code example: AFA 1625 05/05

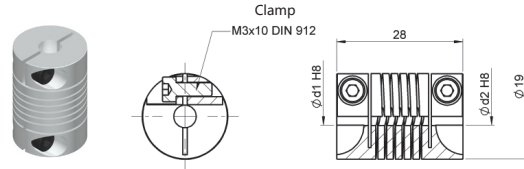
| d1/d2 | 02 | 03 | 04 | 05 | 06 |
|-------|----|----|----|----|----|
| 02 | X | | | | |
| 03 | | X | | X | X |
| 04 | | | X | X | X |
| 05 | | | | X | X |
| 06 | | | | | |



AFA 1928 - Aluminium

Ordering code example: AFA 1928 06/06

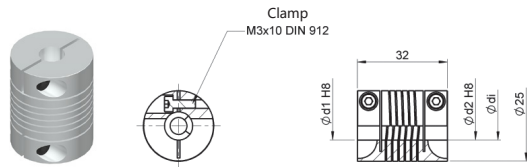
| d1/d2 | 04 | 05 | 06 | 6.35 |
|-------|----|----|----|------|
| 04 | X | | X | |
| 05 | | X | X | X |
| 06 | | | X | X |
| 6.35 | | | | X |



AFA 2532 - Aluminium

Ordering code example: AFA 2532 10/10

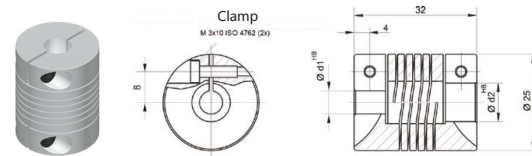
| d1/d2 | 06 | 6.35 | 08 | 9.52 | 10 | 12 |
|-------|----|------|----|------|----|----|
| 06 | X | X | X | X | X | |
| 6.35 | | X | X | X | | |
| 08 | | | X | | X | |
| 9.52 | | | | | | |
| 10 | | | | | X | X |
| 12 | | | | | | |



IFA 2532 - Stainless Steel

Ordering code example: IFA 2532 10/10

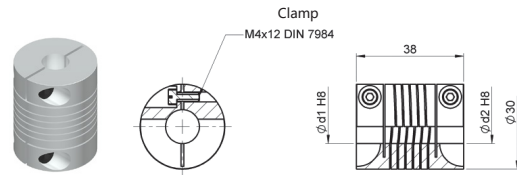
| d1/d2 | 06 | 08 | 10 |
|-------|----|----|----|
| 06 | X | X | X |
| 08 | | X | X |
| 10 | | | X |

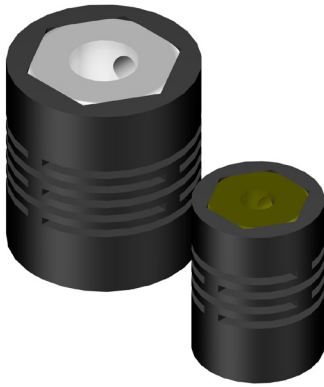


AFA 3038 - Aluminium

Ordering code example: AFA 3038 12/12

| d1/d2 | 08 | 10 | 12 | 14 |
|-------|----|----|----|----|
| 08 | X | | | |
| 10 | | X | X | |
| 12 | | | X | |
| 14 | | | | X |





POLY-FLEX

ACETAL GROOVED FLEXIBLE COUPLINGS

- Absorption of significant angular and radial deviations
- Low inertia
- Free of speed variations in the transmission
- Torsional vibration attenuation
- Electric and thermal insulation between the shafts
- Mechanical protection against excessive torque



POLY-FLEX are flexible couplings manufactured in polyamide and reinforced with fibreglass. Reduced size for applications that do not require high torque and where there is significant shaft misalignment.

The material provides excellent resistance to fatigue, which makes it very suitable for high-speed couplings. It absorbs torsional vibration and insulates the shafts both electrically and thermally, acting, where necessary, as a mechanical fuse.

The tightening of the setscrews has been reinforced by incorporating an aluminium fitting.

These couplings are suitable for measurement systems and machines that do not offer high resistant torque values. They are recommended for tachometric generators potentiometers and encoders, etc. POLY-FLEX couplings can be used in the temperature range of -30° to 85°.

TECHNICAL SPECIFICATIONS

| | Torque Ncm | Clamping torque Ncm | Max. Speed rpm | Admissible max. misalignment | | | Torsion spring stiffness Nm/rad | Radial spring stiffness N/mm | Weight gr | Inertia gcm ² |
|-----------------|---------------|------------------------|-------------------|------------------------------|-------------|--------------|------------------------------------|---------------------------------|--------------|-----------------------------|
| | | | | Angular degree | Axial mm | Radial mm | | | | |
| PFP 1520 | 30 | 70 | 12000 | ±2.5 | ±0.2 | ±0.3 | 12 | 45 | 6 | 2 |
| PFP 2224 | 80 | 120 | 10000 | ±3 | ±0.2 | ±0.3 | 38 | 115 | 10 | 7 |

PFP 1520

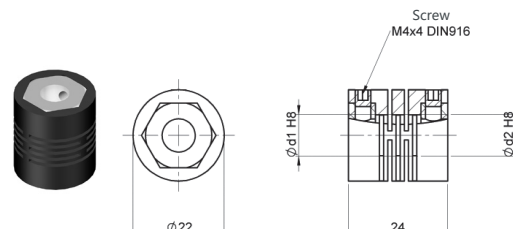
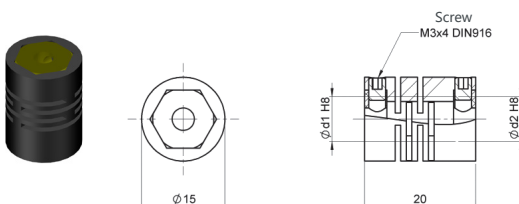
Ordering code example: PFP 1520 06/06

| d1/d2 | 02 | 03 | 04 | 05 | 06 |
|-------|----|----|----|----|----|
| 02 | X | X | X | X | X |
| 03 | | X | X | X | X |
| 04 | | | X | X | X |
| 05 | | | | X | X |
| 06 | | | | | X |

PFP 2224

Ordering code example: PFP 2224 08/08

| d1/d2 | 04 | 05 | 06 | 08 | 10 |
|-------|----|----|----|----|----|
| 04 | X | X | X | X | X |
| 05 | | X | X | X | X |
| 06 | | | X | X | X |
| 08 | | | | X | X |
| 10 | | | | | X |



Printed in bold = Immediate delivery. Check with us the delivery time for the other options.

Other shaft diameters available, upon request.





SPRING-FLEX

FLEXIBLE COUPLING SPRINGS

- Absorption of significant misalignment
- Elimination of loads on the shafts due to misalignment
- Free of wear and fatigue
- Vibration absorption
- High torsional elasticity
- Protection against sudden acceleration in transmission



SPRING-FLEX couplings are based on the use of a helicoid spring as an elastic transmission element. These springs are constructed from nickel-plated steel with a plane section. Spring ends are designed to prevent its rotation.

The result is a highly elastic coupling that enables very misaligned shafts to be coupled without the reactions on the bearings being excessively high. The coupling maintains its properties in both

directions of rotations.

They are suitable for measurement systems and machines that do not offer a very high load torque and where the alignment of the shafts is not too tight or can cause variations (heat expansion, vibration and movements etc).

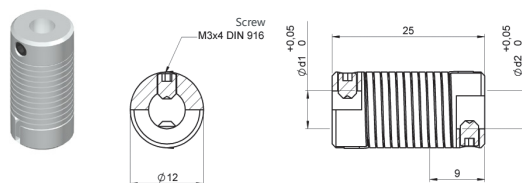
TECHNICAL SPECIFICATIONS

| | Torque Ncm | Clamping torque Ncm | Max. Speed rpm | Admissible max. misalignment | | | Torsion spring stiffness Nm/rad | Radial spring stiffness N/mm | Weight gr | Inertia gcm ² |
|-----------------|---------------|------------------------|-------------------|------------------------------|-------------|--------------|------------------------------------|---------------------------------|--------------|-----------------------------|
| | | | | Angular degree | Axial mm | Radial mm | | | | |
| SFP 1225 | 15 | 70 | 8000 | ±5 | ±0.5 | ±0.5 | 40 | 60 | 14 | 2.8 |
| SFP 1635 | 50 | 150 | 3000 | ±5 | ±1 | ±1 | 50 | 70 | 28 | 10 |
| SFP 2650 | 150 | 300 | 3000 | ±5 | ±1 | ±1.5 | 40 | 60 | 100 | 95 |

SFP 1225

Ordering code example: SFP 1225 06/06

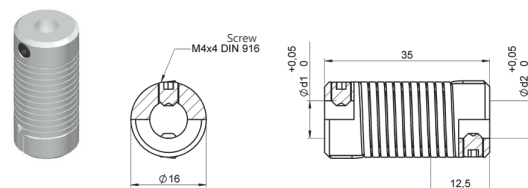
| d1/d2 | 03 | 06 |
|-------|----|----|
| 03 | X | X |
| 06 | | X |



SFP 1635

Ordering code example: SFP 1635 08/08

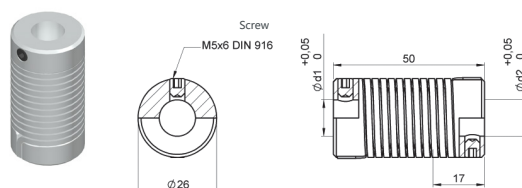
| d1/d2 | 04 | 05 | 06 | 08 |
|-------|----|----|----|----|
| 04 | X | X | X | X |
| 05 | | X | X | X |
| 06 | | | X | X |
| 08 | | | | X |



SFP 2650

Ordering code example: SFP 2650 10/12

| d1/d2 | 06 | 08 | 10 | 12 |
|-------|----|----|----|----|
| 06 | X | X | X | X |
| 08 | | X | X | X |
| 10 | | | X | X |
| 12 | | | | X |



Printed in bold = Immediate delivery. Check with us the delivery time for the other options.
Other shaft diameters available, upon request.





BELLOW-FLEX

FLEXIBLE METAL BELLOWS COUPLINGS

- High absorption of misalignments
- Elimination of loads on the shafts due to misalignment
- No wear and tear or fatigue
- No cinematic errors in transmission
- High torsional stiffness



BELLOW-FLEX couplings are based on the use of flexible metal bellows that can transmit the moment of rotation while compensating for errors of alignment without hardly any distortion due to torsional elasticity.

The characteristics of the BELLOWS-FLEX produce speed transmission of great precision, including high torque and speeds, which recommend them for servo-actions, precision machinery,

installation of control and measurement, etc.

The number of convolutions in the bellow has been chosen in the search for a compromise between the transmittable torque and the admissible misalignments.

TECHNICAL SPECIFICATIONS

| | Torque max. Ncm | Clamping torque max. Ncm | Max. Speed rpm | Admissible max. misalignment | | | Torsion spring stiffness Nm/rad | Radial spring stiffness N/mm | Weight gr | Inertia gcm ² |
|-----------------|--------------------|-----------------------------|-------------------|------------------------------|-------------|--------------|------------------------------------|---------------------------------|--------------|-----------------------------|
| | | | | Angular degree | Axial mm | Radial mm | | | | |
| BFP 1222 | 15 | 50 | 10000 | ±2.5 | ±0.4 | ±0.2 | 45 | 30 | 8 | 1.8 |
| BFP 1520 | 40 | 70 | 10000 | ±3 | ±0.4 | ±0.2 | 90 | 40 | 6 | 2 |
| BFP 1525 | 40 | 70 | 10000 | ±4 | ±0.5 | ±0.3 | 70 | 15 | 7 | 2.3 |
| BFP 2029 | 120 | 150 | 10000 | ±4 | ±0.4 | ±0.25 | 150 | 25 | 15 | 8 |
| BFP 2035 | 100 | 150 | 10000 | ±4 | ±0.5 | ±0.3 | 150 | 10 | 16 | 9 |
| BFP 2533 | 200 | 80 | 10000 | ±8 | ±2.77 | ±0.46 | 210 | 29 | 19.5 | 16.1 |
| BFA 1622 | 40 | 50 | 10000 | ±3 | ±0.4 | ±0.2 | 90 | 40 | 6 | 2.1 |
| BFA 2129 | 120 | 100 | 10000 | ±4 | ±0.4 | ±0.25 | 150 | 25 | 15 | 9 |
| BFA 2135 | 100 | 100 | 10000 | ±4 | ±0.5 | ±0.3 | 140 | 10 | 16 | 9.5 |
| BFA 2435 | 100 | 100 | 10000 | ±4 | ±0.5 | ±0.3 | 140 | 10 | 18 | 15.2 |
| BFA 2537 | 200 | 66 | 10000 | ±8 | ±2.77 | ±0.46 | 210 | 29 | 28.5 | 25.4 |



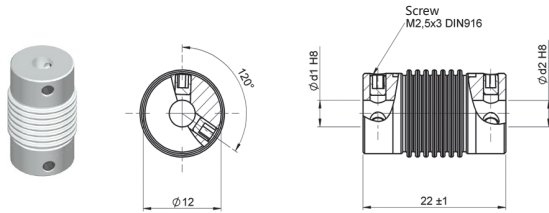
BELLOW-FLEX

FLEXIBLE METAL BELLOWS COUPLINGS

BFP 1222

Ordering code example: BFP 1222 06/06

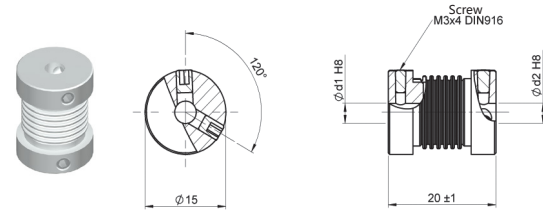
| d1/d2 | 02 | 03 | 04 | 05 | 06 |
|-------|----|----|----|----|----|
| 02 | X | X | X | X | X |
| 03 | | X | X | X | X |
| 04 | | | X | X | X |
| 05 | | | | X | X |
| 06 | | | | | X |



BFP 1520

Ordering code example: BFP 1520 06/06

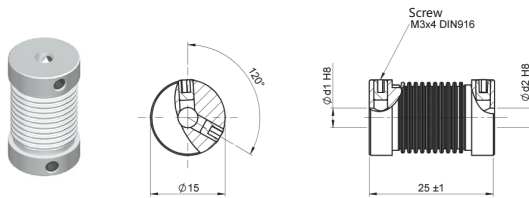
| d1/d2 | 02 | 03 | 04 | 05 | 06 | 08 |
|-------|----|----|----|----|----|----|
| 02 | X | X | X | X | X | X |
| 03 | | X | X | X | X | X |
| 04 | | | X | X | X | X |
| 05 | | | | X | X | X |
| 06 | | | | | X | X |
| 08 | | | | | | X |



BFP 1525

Ordering code example: BFP 1525 03/03

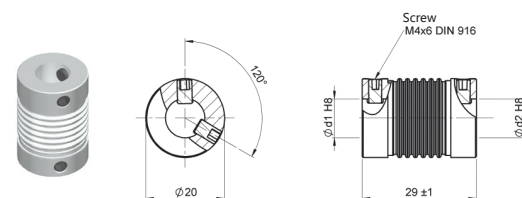
| d1/d2 | 02 | 03 | 04 | 05 | 06 | 08 |
|-------|----|----|----|----|----|----|
| 02 | X | X | X | X | X | X |
| 03 | | X | X | X | X | X |
| 04 | | | X | X | X | X |
| 05 | | | | X | X | X |
| 06 | | | | | X | X |
| 08 | | | | | | X |



BFP 2029

Ordering code example: BFP 2029 12/12

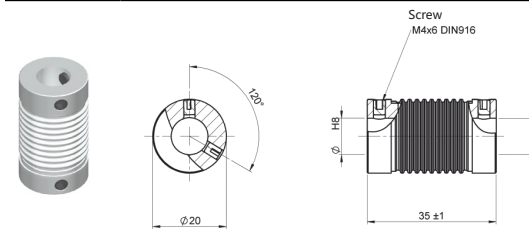
| d1/d2 | 04 | 05 | 06 | 6.35 | 08 | 9.52 | 10 | 12 |
|-------|----|----|----|------|----|------|----|----|
| 04 | X | X | X | X | X | X | X | X |
| 05 | | X | X | X | X | X | X | X |
| 06 | | | X | X | X | X | X | X |
| 6.35 | | | | X | X | X | X | X |
| 08 | | | | | X | X | X | X |
| 9.52 | | | | | | X | X | X |
| 10 | | | | | | | X | X |
| 12 | | | | | | | | X |



BFP 2035

Ordering code example: BFP 2035 10/10

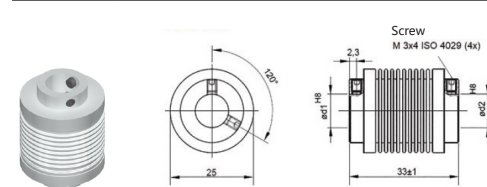
| d1/d2 | 04 | 05 | 06 | 6.35 | 08 | 9.52 | 10 | 12 |
|-------|----|----|----|------|----|------|----|----|
| 04 | X | X | X | X | X | X | X | X |
| 05 | | X | X | X | X | X | X | X |
| 06 | | | X | X | X | X | X | X |
| 6.35 | | | | X | X | X | X | X |
| 08 | | | | | X | X | X | X |
| 9.52 | | | | | | X | X | X |
| 10 | | | | | | | X | X |
| 12 | | | | | | | | X |



BFP 2533

Ordering code example: BFP 2533 10/10

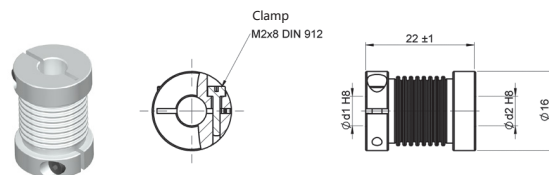
| d1/d2 | 06 | 08 | 10 | 12 |
|-------|----|----|----|----|
| 06 | X | X | X | X |
| 08 | | X | X | X |
| 10 | | | X | X |
| 12 | | | | X |



BFA 1622

Ordering code example: BFA 1622 06/06

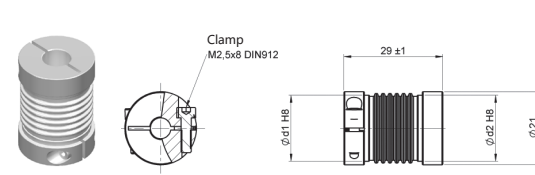
| d1/d2 | 02 | 03 | 04 | 05 | 06 | 6.35 |
|-------|----|----|----|----|----|------|
| 02 | X | X | X | X | X | X |
| 03 | | X | X | X | X | X |
| 04 | | | X | X | X | X |
| 05 | | | | X | X | X |
| 06 | | | | | X | X |
| 6.35 | | | | | | X |



BFA 2129

Ordering code example: BFA 2129 10/10

| d1/d2 | 04 | 05 | 06 | 6.35 | 08 | 9.52 | 10 |
|-------|----|----|----|------|----|------|----|
| 04 | X | X | X | X | X | X | X |
| 05 | | X | X | X | X | X | X |
| 06 | | | X | X | X | X | X |
| 6.35 | | | | X | X | X | X |
| 08 | | | | | X | X | X |
| 9.52 | | | | | | X | X |
| 10 | | | | | | | X |



Printed in bold = Immediate delivery. Check with us the delivery time for the other options.

Other shaft diameters available, upon request.

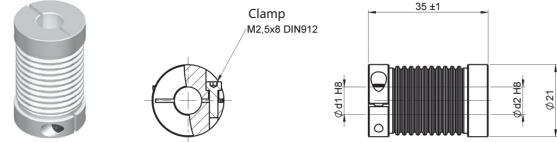
BELLOW-FLEX

FLEXIBLE METAL BELLOWS COUPLINGS

BFA 2135

Ordering code example: BFA 2135 06/10

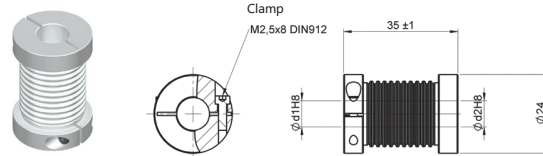
| d1/d2 | 04 | 05 | 06 | 6.35 | 08 | 9.52 | 10 |
|-------|----|----|----|------|----|------|----|
| 04 | X | X | X | X | X | X | X |
| 05 | | X | X | X | X | X | X |
| 06 | | | X | X | X | X | X |
| 6.35 | | | | X | X | X | X |
| 08 | | | | | X | X | X |
| 9.52 | | | | | | X | X |
| 10 | | | | | | | X |



BFA 2435

Ordering code example: BFA 2435 12/12

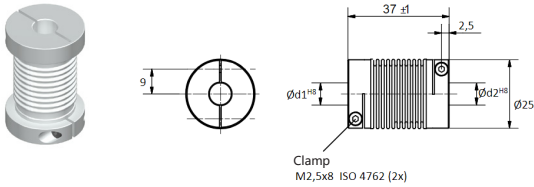
| d1/d2 | 06 | 08 | 10 | 12 |
|-------|----|----|----|----|
| 06 | X | X | X | X |
| 08 | | X | X | X |
| 10 | | | X | X |
| 12 | | | | X |



BFA 2537

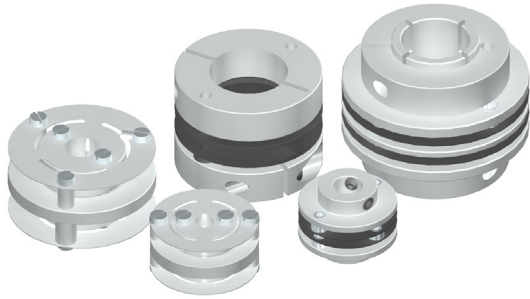
Ordering code example: BFA 2537 08/08

| d1/d2 | 06 | 08 | 10 | 12 |
|-------|----|----|----|----|
| 06 | X | X | X | X |
| 08 | | X | X | X |
| 10 | | | X | X |
| 12 | | | | X |



Printed in bold = Immediate delivery. Check with us the delivery time for the other options.

Other shaft diameters available, upon request.



LAMI-FLEX

FLEXIBLE SHEET COUPLINGS

- Suitable for high speed
- High flexibility
- No cinematic errors in transmission
- High torsional rigidity



The LAMI-FLEX couplings are based on the use of some flexible steel or plastic membranes that pivot on the coupling, thus proportioning it a very good flexibility. The characteristics of LAMI-FLEX result in a transmission of great precision movement.

They are suitable for high rotation speeds, such as robots, machinetools, turbines, dynamometers ...

TECHNICAL SPECIFICATIONS

| | Torque | Clamping torque | Max. Speed | Admissible max. misalignment | | | Torsion spring stiffness | Radial spring stiffness | Weight | Inertia |
|-----------------|--------|-----------------|------------|------------------------------|-------|--------|--------------------------|-------------------------|--------|---------|
| | | | | Angular | Axial | Radial | | | | |
| | | | | Ncm | Ncm | rpm | | | | |
| LFP 2014 | 50 | 60 | 10000 | ±2.5 | ±0.3 | - | 100 | - | 5 | 2.6 |
| LFP 2016 | 50 | 60 | 10000 | ±3 | ±0.4 | ±0.2 | 45 | 125 | 6 | 2.8 |
| LFA 2213 | 20 | 20 | 10000 | ±2 | ±0.3 | ±0.3 | 14 | 3 | 9.5 | 3.2 |
| LFA 2519 | 40 | 65 | 12000 | ±2.5 | ±0.4 | ±0.25 | 22 | 60 | 16 | 13.5 |
| LFA 2525 | 40 | 65 | 12000 | ±2.5 | ±0.4 | ±0.25 | 22 | 60 | 18 | 15 |
| LFA 3019 | 80 | 80 | 12000 | ±3 | ±0.4 | ±0.4 | 150 | 6 | 16 | 19 |
| LFA 3022 | 60 | 80 | 12000 | ±2.5 | ±0.4 | ±0.3 | 30 | 40 | 30 | 35 |
| LFA 3027 | 60 | 80 | 12000 | ±2.5 | ±0.4 | ±0.3 | 30 | 40 | 32 | 37 |
| LFA 3832 | 400 | 60 | 8000 | ±2.5 | ±0.3 | ±0.3 | 250 | 220 | 53 | 82 |
| LFA 3850 | 400 | 60 | 8000 | ±2.5 | ±0.8 | ±0.8 | 250 | 12 | 63 | 106 |
| LFA 4447 | 15 | 350 | 14000 | 2 | ±0.6 | 0.25 | 6400 | 180 | 156 | 470 |

LFP 2014

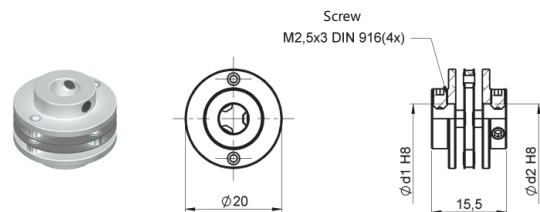
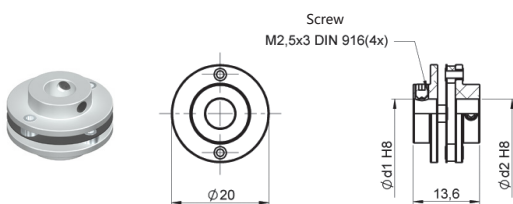
Ordering code example: LFP 2014 04/04

| d1/d2 | 02 | 04 | 06 |
|-------|----|----|----|
| 02 | X | X | X |
| 04 | | X | X |
| 06 | | | X |

LFP 2016

Ordering code example: LFP 2016 02/04

| d1/d2 | 02 | 04 | 06 |
|-------|----|----|----|
| 02 | X | X | X |
| 04 | | X | X |
| 06 | | | X |



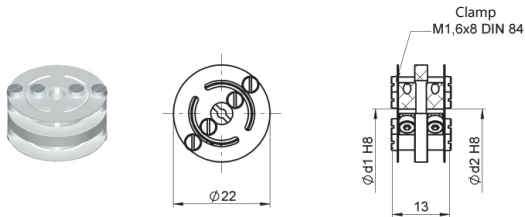
LAMI-FLEX

FLEXIBLE SHEET COUPLINGS

LFA 2213

Ordering code example: LFA 2213 04/04

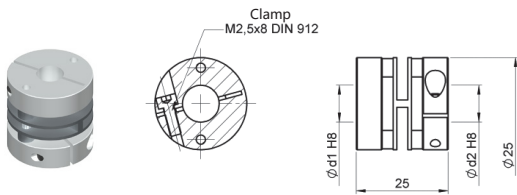
| d1/d2 | 02 | 03 | 04 |
|-------|----|----|----|
| 02 | X | X | X |
| 03 | | X | X |
| 04 | | | X |



LFA 2525

Ordering code example: LFA 2525 06/06

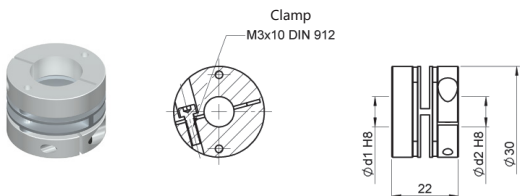
| d1/d2 | 05 | 06 | 08 | 10 | 12 |
|-------|----|----|----|----|----|
| 05 | X | X | X | X | X |
| 06 | | X | X | X | X |
| 08 | | | X | X | X |
| 10 | | | | X | X |
| 12 | | | | | X |



LFA 3022

Ordering code example: LFA 3022 10/10

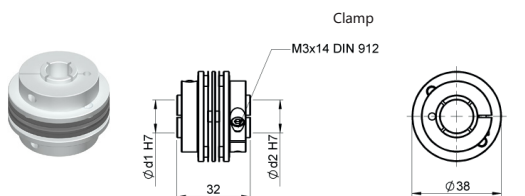
| d1/d2 | 06 | 08 | 9.52 | 10 | 12 | 14 | 16 |
|-------|----|----|------|----|----|----|----|
| 06 | X | X | X | X | X | X | X |
| 08 | | X | X | X | X | X | X |
| 9.52 | | | X | X | X | X | X |
| 10 | | | | X | X | X | X |
| 12 | | | | | X | X | X |
| 14 | | | | | | X | X |
| 16 | | | | | | | X |



LFA 3832

Ordering code example: LFA 3832 06/06

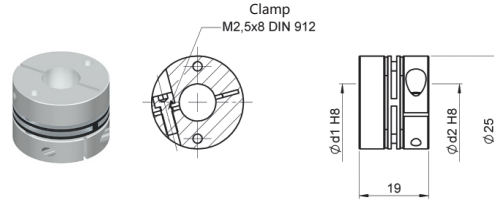
| d1/d2 | 06 | 08 | 9.52 | 10 | 12 | 14 |
|-------|----|----|------|----|----|----|
| 06 | X | X | X | X | X | X |
| 08 | | X | X | X | X | X |
| 9.52 | | | X | X | X | X |
| 10 | | | | X | X | X |
| 12 | | | | | X | X |
| 14 | | | | | | X |



LFA 2519

Ordering code example: LFA 2519 06/06

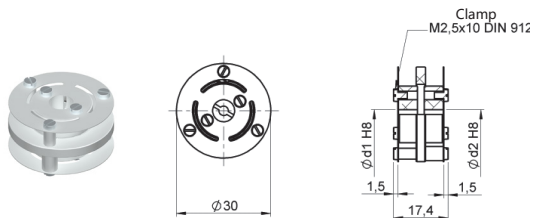
| d1/d2 | 04 | 05 | 06 | 08 | 10 |
|-------|----|----|----|----|----|
| 04 | X | X | X | X | X |
| 05 | | X | X | X | X |
| 06 | | | X | X | X |
| 08 | | | | X | X |
| 10 | | | | | X |



LFA 3019

Ordering code example: LFA 3019 06/08

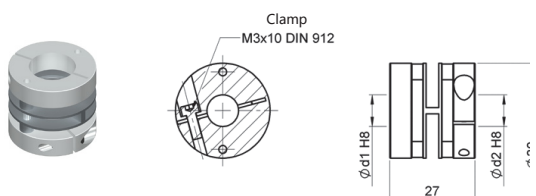
| d1/d2 | 03 | 04 | 05 | 06 | 6.35 | 08 | 10 |
|-------|----|----|----|----|------|----|----|
| 03 | X | X | X | X | X | X | X |
| 04 | | X | X | X | X | X | X |
| 05 | | | X | X | X | X | X |
| 06 | | | | X | X | X | X |
| 6.35 | | | | | X | X | X |
| 08 | | | | | | X | X |
| 10 | | | | | | | X |



LFA 3027

Ordering code example: LFA 3027 12/12

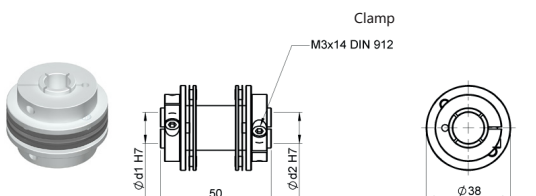
| d1/d2 | 06 | 08 | 10 | 12 | 14 | 16 |
|-------|----|----|----|----|----|----|
| 06 | X | X | X | X | X | X |
| 08 | | X | X | X | X | X |
| 10 | | | X | X | X | X |
| 12 | | | | X | X | X |
| 14 | | | | | X | X |
| 16 | | | | | | X |



LFA 3850

Ordering code example: LFA 3850 06/06

| d1/d2 | 06 | 08 | 9.52 | 10 | 12 | 14 |
|-------|----|----|------|----|----|----|
| 06 | X | X | X | X | X | X |
| 08 | | X | X | X | X | X |
| 9.52 | | | X | X | X | X |
| 10 | | | | X | X | X |
| 12 | | | | | X | X |
| 14 | | | | | | X |



LAMI-FLEX

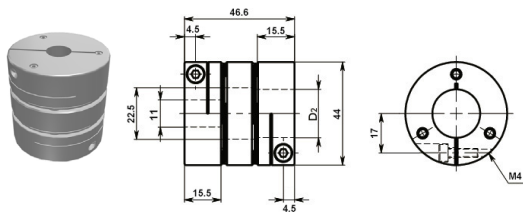
FLEXIBLE SHEET COUPLINGS

| d1/d2 | 08 | 9.52 | 10 | 11 | 12 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 22 |
|-------|----|------|----|----|----|----|----|----|----|----|----|----|----|
| 08 | X | X | X | X | X | X | X | X | X | X | X | X | X |
| 9.52 | | X | X | X | X | X | X | X | X | X | X | X | X |
| 10 | | | X | X | X | X | X | X | X | X | X | X | X |
| 11 | | | | X | X | X | X | X | X | X | X | X | X |
| 12 | | | | | X | X | X | X | X | X | X | X | X |
| 14 | | | | | | X | X | X | X | X | X | X | X |
| 15 | | | | | | | X | X | X | X | X | X | X |
| 16 | | | | | | | | X | X | X | X | X | X |
| 17 | | | | | | | | | X | X | X | X | X |
| 18 | | | | | | | | | | X | X | X | X |
| 19 | | | | | | | | | | | X | X | X |
| 20 | | | | | | | | | | | | X | X |
| 22 | | | | | | | | | | | | | X |
| 14 | | | | | | | | | | | | | X |

LFA 4447

Ordering code example:
LFA 4447 11/11

Additional keyway available, upon request





OLDHAM-FLEX CLAMP

LATERAL SLIPPAGE COUPLINGS

- High absorption capacity of radial misalignment
- Elimination of loads on shaft
- Mechanical protection against excessive torque
- Replaceable disc
- Electrical insulation
- Easy assembly

OLDHAM-FLEX couplings are based on the use of a disc that can move radially with respect to the two shafts, which permits the compensation of large misalignment errors between them. The drums are machined from hardened aluminium alloy. The discs are manufactured from acetal with excellent mechanical properties and low friction coefficient. Due to wear, the coupling may show free-play above 10⁷ revolutions under normal misalignment conditions, which can be corrected by replacing the disc. Because the OLDHAM-FLEX couplings are fitted with securing drums with drilled holes, the discs can be installed and replaced without any need to

disassemble the machines in order to separate the shafts. Radial misalignment does not produce any appreciable kinematic errors in transmission. However, angular misalignment can lead to small errors in a similar fashion to "Cardan" types of universal joints. They are suitable for positioning shaft slow drives, spindles and valves, etc. They must never be employed with cantilever or paired shafts.

TECHNICAL SPECIFICATIONS

| | Torque max. (*) | Clamping torque max. | Max. Speed | Admissible max. misalignment | | Static torsional stiffness | Weight (**) | Temperature range | Inertia |
|-----------------|--------------------|-------------------------|------------|---------------------------------|--------|-------------------------------|----------------|----------------------|------------------|
| | | | | Angular | Radial | | | | |
| | | | | degree | mm | | | | |
| | Ncm | Ncm | rpm | | | Nm/rad | gr | °C | gcm ² |
| OFA 2027 | 640 | 150 | 31000 | ±3 | ±1.2 | 120 | 13 | -20 to 80 | 8 |
| OFA 2630 | 1200 | 150 | 24000 | ±3 | ±1.5 | 300 | 24 | -20 to 80 | 25 |
| OFA 3434 | 3200 | 250 | 18000 | ±3 | ±2.5 | 1000 | 50 | -20 to 80 | 86 |
| OFA 4546 | 6000 | 400 | 14000 | ±3 | ±3 | 2400 | 110 | -20 to 80 | 320 |
| OFA 5557 | 9000 | 800 | 11000 | ±3 | ±4 | 4100 | 230 | -20 to 80 | 1000 |
| OFA 6877 | 16000 | 1600 | 9000 | ±3 | ±4.5 | 6400 | 440 | -20 to 80 | 3300 |

(*) If ambient temperature exceeds 30°C, be sure to correct the rated torque and max. torque with temperature correction factor shown in the following table:

| Ambient temperature | -20°C to 30°C | 30°C to 40°C | 40°C to 60°C | 60°C to 80°C |
|-------------------------------|---------------|--------------|--------------|--------------|
| Temperature correction factor | 1.00 | 0.80 | 0.70 | 0.55 |

(**) Weight for the maximum diameter of each coupling



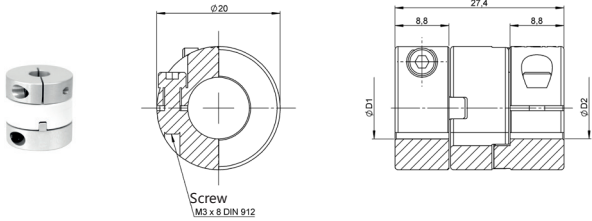
OLDHAM-FLEX CLAMP

LATERAL SLIPPAGE COUPLINGS

OFA 2027

Ordering code example:
OFA 2027 05/10

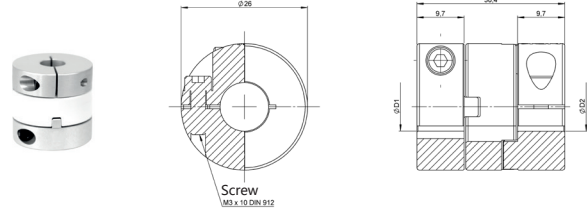
| d1/d2 | 5 | 6 | 6.35 | 8 | 9.52 | 10 |
|-------|---|---|------|---|------|----|
| 5 | X | X | X | X | X | X |
| 6 | | X | X | X | X | X |
| 6.35 | | | X | X | X | X |
| 8 | | | | X | X | X |
| 9.52 | | | | | X | X |
| 10 | | | | | | X |



OFA 2630

Ordering code example:
OFA 2630 08/10

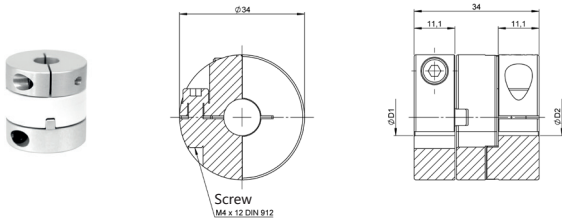
| d1/d2 | 6 | 6.35 | 8 | 9.52 | 10 | 12 | 14 |
|-------|---|------|---|------|----|----|----|
| 6 | X | X | X | X | X | X | X |
| 6.35 | | X | X | X | X | X | X |
| 8 | | | X | X | X | X | X |
| 9.52 | | | | X | X | X | X |
| 10 | | | | | X | X | X |
| 12 | | | | | | X | X |
| 14 | | | | | | | X |



OFA 3434

Ordering code example:
OFA 3434 14/14

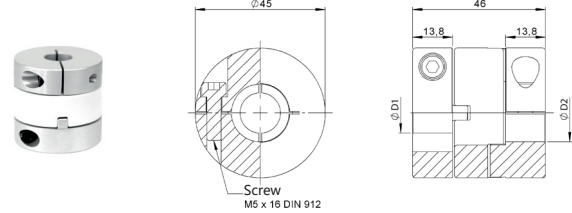
| d1/d2 | 10 | 12 | 14 | 15 | 16 |
|-------|----|----|----|----|----|
| 10 | X | X | X | X | X |
| 12 | | X | X | X | X |
| 14 | | | X | X | X |
| 15 | | | | X | X |
| 16 | | | | | X |



OFA 4546

Ordering code example:
OFA 4546 14/20

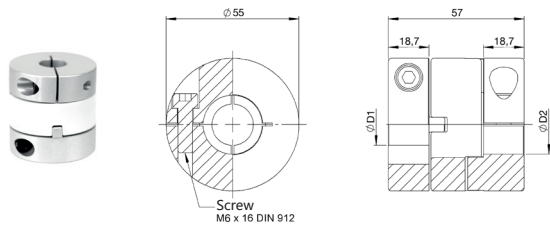
| d1/d2 | 12 | 14 | 15 | 16 | 18 | 20 |
|-------|----|----|----|----|----|----|
| 12 | X | X | X | X | X | X |
| 14 | | X | X | X | X | X |
| 15 | | | X | X | X | X |
| 16 | | | | X | X | X |
| 18 | | | | | X | X |
| 20 | | | | | | X |



OFA 5557

Ordering code example:
OFA 5557 22/25

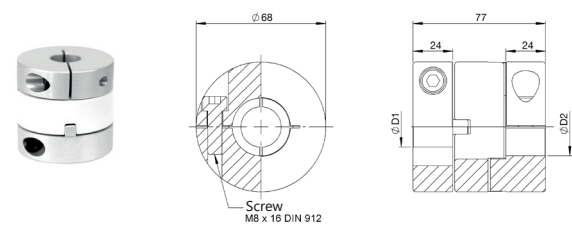
| d1/d2 | 15 | 16 | 18 | 19 | 20 | 22 | 25 |
|-------|----|----|----|----|----|----|----|
| 15 | X | X | X | X | X | X | X |
| 16 | | X | X | X | X | X | X |
| 18 | | | X | X | X | X | X |
| 19 | | | | X | X | X | X |
| 20 | | | | | X | X | X |
| 22 | | | | | | X | X |
| 25 | | | | | | | X |



OFA 6877

Ordering code example:
OFA 6877 20/20

| d1/d2 | 20 | 22 | 25 | 28 | 30 | 35 |
|-------|----|----|----|----|----|----|
| 20 | X | X | X | X | X | X |
| 22 | | X | X | X | X | X |
| 25 | | | X | X | X | X |
| 28 | | | | X | X | X |
| 30 | | | | | X | X |
| 35 | | | | | | X |





PAGU-FLEX

FLEXIBLE ISOLATING COUPLING

- High precision for positioning applications
- Without wear or fatigue
- Vibration absorption
- Good torsional elasticity



Adjunctes to a great variety of uses, the PAGU-FLEX couplings have been designed flexibly in accordance with the existing agreements for the shaft, as well as with the different requirements of the specific application cases.

In the standard versions, each one of the galvanised heads (C15K material) has a cylindrical hole (H7 tolerance) and is fixed to the

shaft through a stay bolt with a hexagonal head DIN 916.

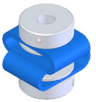
The internal heads are very useful in situations with little space or reduced access.

TECHNICAL SPECIFICATIONS

| | Torque Ncm | Clamping torque Ncm | Max. Speed rpm | Admissible max. misalignment | | | Torsion spring stiffness Nm/rad | Radial spring stiffness N/mm | Weight g | Inertia gcm ² |
|--------------------|---------------|---------------------------|-------------------|------------------------------|-------|--------|--|---------------------------------------|-------------|-----------------------------|
| | | | | Angular | Axial | Radial | | | | |
| | | | | degree | mm | mm | | | | |
| GFP/GFPI 10 | 0.5 | 100 | 3000 | ±10 | ±2 | ±2 | 13 | 13 | 33 | 41 |
| GFP/GFPI 15 | 1.5 | 200 | 3000 | ±10 | ±3 | ±2.5 | 25 | 15 | 48 | 104 |
| GFP/GFPI 20 | 1.5 | 200 | 3000 | ±10 | ±3 | ±2.5 | 25 | 15 | 48 | 104 |
| GFP/GFPI 30 | 5 | 300 | 3000 | ±15 | ±5 | ±5 | 43 | 9 | 140 | 220 |

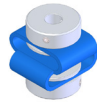
GFP: Stainless steel

GFP/GFPI 10



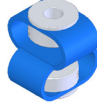
| d1/d2 | 04 | 05 | 06 | 08 | 10 |
|-------|----|----|----|----|----|
| 04 | X | X | X | X | X |
| 05 | | X | X | X | X |
| 06 | | | X | X | X |
| 08 | | | | X | X |
| 10 | | | | | X |

GFP/GFPI 15



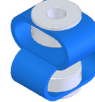
| d1/d2 | 06 | 08 | 10 | 12 |
|-------|----|----|----|----|
| 06 | X | X | X | X |
| 08 | | X | X | X |
| 10 | | | X | X |
| 12 | | | | X |

GFP/GFPI 20

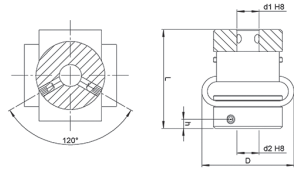
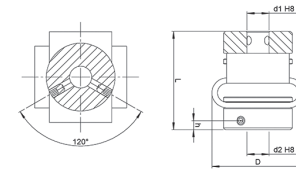
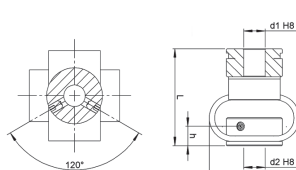
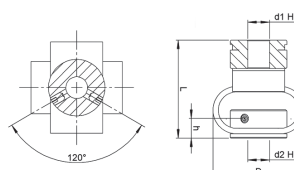


| d1/d2 | 06 | 08 | 9.52 | 10 | 12 | 14 |
|-------|----|----|------|----|----|----|
| 06 | X | X | X | X | X | X |
| 08 | | X | X | X | X | X |
| 9.52 | | | X | X | X | X |
| 10 | | | | X | X | X |
| 12 | | | | | X | X |
| 14 | | | | | | X |

GFP/GFPI 30



| d1/d2 | 10 | 12 | 14 | 16 | 18 | 19 |
|-------|----|----|----|----|----|----|
| 10 | X | X | X | X | X | X |
| 12 | | X | X | X | X | X |
| 14 | | | X | X | X | X |
| 16 | | | | X | X | X |
| 18 | | | | | X | X |
| 19 | | | | | | X |

Ordering code example: GFP 10 06/06

Ordering code example: GFP 15 06/06

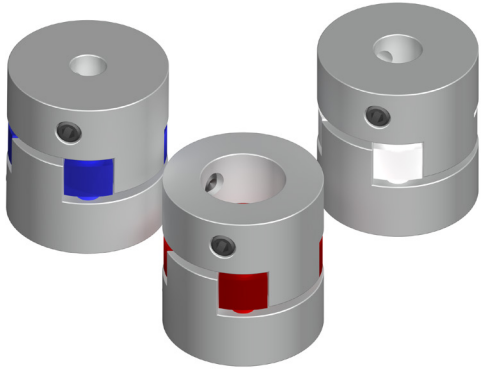
Ordering code example: GFP 20 06/06

Ordering code example: GFP 30 06/06

| | Symbol | 10 | 15 | 20 | 30 |
|---|--------|----------|--------|--------|--------|
| Rotation diameter | D | 29 ± 1 | 38 ± 1 | 48 ± 1 | 58 ± 1 |
| Length in the idle mode | L | 29 ± 1.5 | 35 ± 2 | 46 ± 2 | 52 ± 2 |
| Height of the thread screw | h | 2.5 | 2.75 | 9 | 11 |
| Minimum diameter of the drill hole | d1/d2 | 4 | 6 | 8 | 10 |
| Maximum permitted diameter of the standard drill hole | d1/d2 | 10 | 12 | 14 | 19 |
| Hexagonal screw DIN 916 | | M3 | M4 | M4 | M5 |

Dimensions in mm





CROSS-FLEX

SPIDER COUPLING

- Free of cinematic errors in transmission
- Replaceable disc
- Elevated torque transmission
- Admits few misalignments



The CROSS-FLEX couplings are based on the use of a central disc. They are recommended for applications with some of the torque transmissions and with little misalignments.

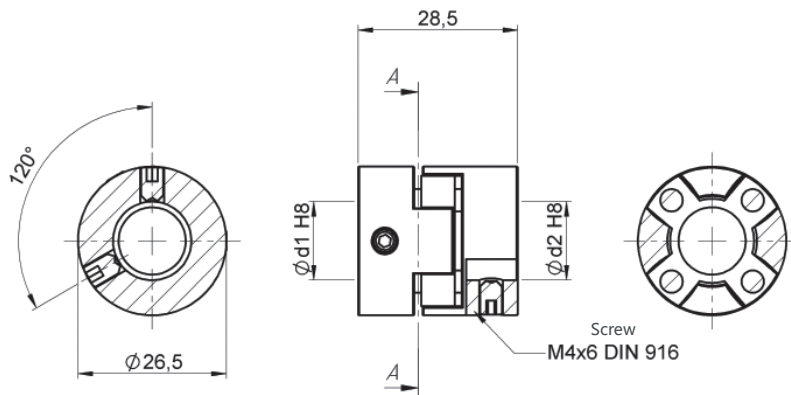
With the use of the CROSS-FLEX couplings, the angular misalignments may lead to small errors. Radial misalignment does not produce any appreciable kinematic errors in transmission. Wear is minimum.

TECHNICAL SPECIFICATIONS

| | Torque max. Ncm | Clamping torque max. Ncm | Max. Speed rpm | Admissible max. misalignment | | | Hardness shore hardness | Max. Torsion torque degree | Weight gr | Inertia gcm ² |
|---------------|--------------------|--------------------------------|-------------------|------------------------------|-------------|--------------|----------------------------|-------------------------------------|--------------|-----------------------------|
| | | | | Angular degree | Axial mm | Radial mm | | | | |
| CFP 80 | 800 | 150 | 19000 | ±1.3 | ±1 | ±0.22 | 80 (blue) | 10 | 34 | 30 |
| CFP 92 | 1500 | 150 | 19000 | ±1.3 | ±1 | ±0.22 | 92 (white) | 10 | 34 | 30 |
| CFP 98 | 2500 | 150 | 19000 | ±1.3 | ±1 | ±0.22 | 98 (red) | 10 | 34 | 30 |

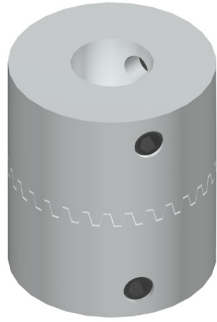
CFP 80 - CFP 92 - CFP 98

Ordering code example: CFP 98 06/06



| d1/d2 | 06 | 08 | 10 | 12 | 14 |
|-------|----|----|----|----|----|
| 06 | X | X | X | X | X |
| 08 | | X | X | X | X |
| 10 | | | X | X | X |
| 12 | | | | X | X |
| 14 | | | | | X |





UNION

RIGID COUPLING

- High rigidity
- Free of cinematic errors in transmission
- Very little misalignment absorption
- Easy assembly, disassembly and adjustment



The UNION couplings are simple rigid couplings of two tooled stainless steel pieces. They are apt for transmissions that require elevated torques and where there are no misalignments between the shafts.

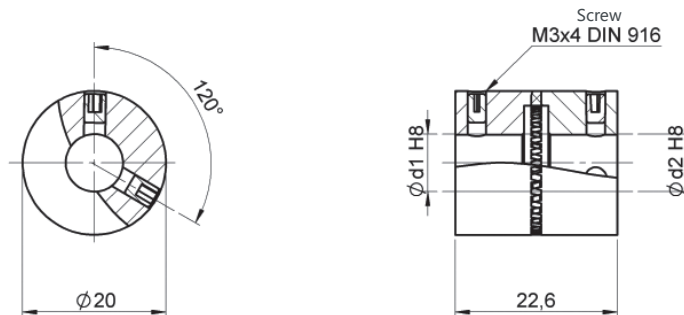
In the case of these couplings, the angular misalignments may lead to small errors. They are suitable for positioning shaft slow drives.

TECHNICAL SPECIFICATIONS

| | Torque | Clamping torque | Max. Speed | Admissible max. misalignment | | | Module | Radial spring stiffness | Weight | Inertia |
|-----------------|--------|-----------------|------------|------------------------------|-------|--------|--------|-------------------------|--------|------------------|
| | | | | Angular | Axial | Radial | | | | |
| | Ncm | Ncm | rpm | degree | mm | mm | mm | N/mm | gr | gcm ² |
| UFP 2022 | 200 | 80 | 8000 | ±0.5 | - | - | 0.7 | - | 42 | 26 |

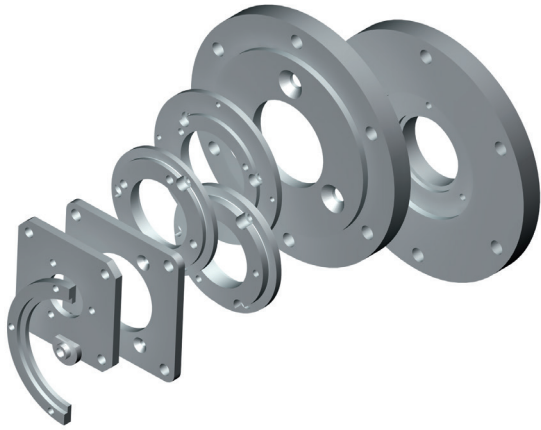
UFP 2022

Ordering code example: UFP 2022 06/06



| d1/d2 | 06 | 08 | 10 |
|-------|----|----|----|
| 06 | X | X | X |
| 08 | | X | X |
| 10 | | | X |





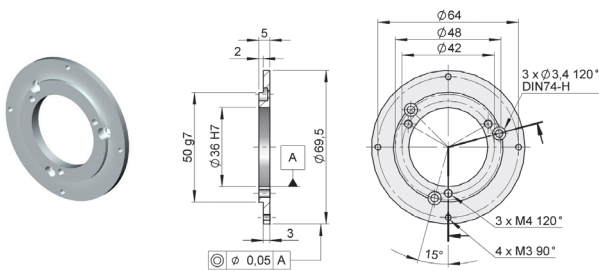
FLANGES

STANDARD FLANGES

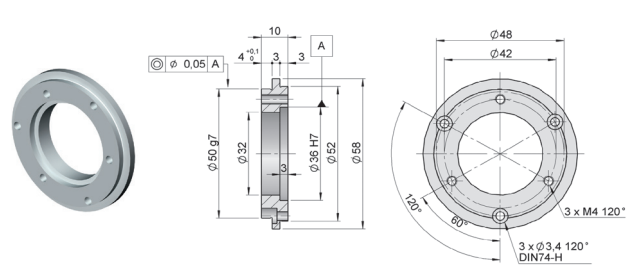


| Code | Appropriate series | Suitable securing screws |
|------------|----------------------------|---|
| 90.1002 | 10, 20, 11, CM10, CS10 | 3 M3 x 6 DIN84, DIN85, DIN7985, DIN7984 |
| 90.1003 | 10, 20, CM10, CS10 | 3 M3 x 8 DIN84, DIN85, DIN7985, DIN7984 |
| 90.1004 | 10, 20, CM10, CS10 | 3 M3 x 6 DIN84, DIN85, DIN7985, DIN7984 |
| 90.1005 | 10, 20, 11, CM10, CS10 | 3 M3 x 10 DIN963, DIN965 |
| 90.1006 | 10, 20, CM10, CS10 | 3 M3 x 10 DIN912 |
| 90.1008 | 30, CS30 | 3 M6 x 10 DIN7991 |
| 90.1015 | 10 | 3 M3 x 10 DIN963, DIN965 |
| 90.1057 | 21, 36 | 3 M3 x 6 DIN963, DIN965 |
| 90.1102 | 11, PR90 | 3 M3 x 8 DIN7991 |
| 90.1103 | 58 | 1 M4 x 10 DIN912 |
| 90.1105 | 58, 20 | 3 M3 x 10 DIN912 |
| 93.0101081 | 27 | 2 M3 x 6 DIN965 |
| 93.0101379 | 59 | 3 M4 x 8 DIN912 + washer 3 M4 DIN127 |
| 93.0101380 | 10 | 3 M3 x 12 DIN966 |
| 93.0101386 | 10 (Special Customer AB09) | 3 M3 x 8 DIN7991 |

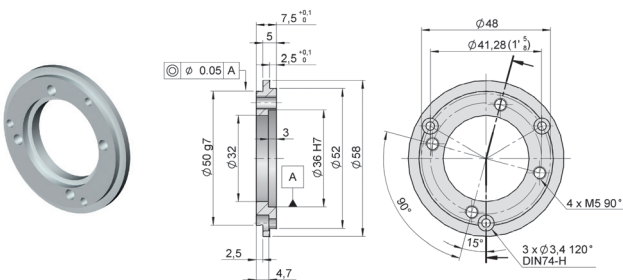
90.1002



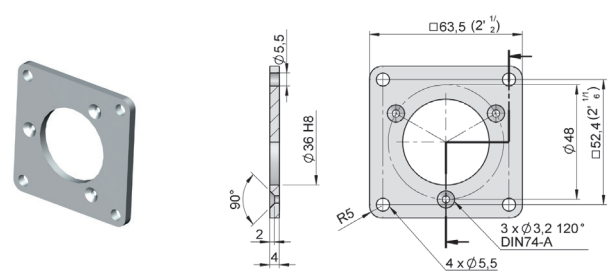
90.1003



90.1004



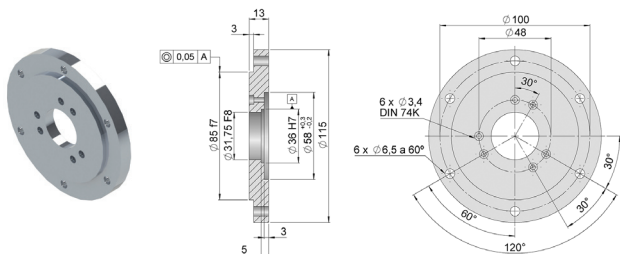
90.1005



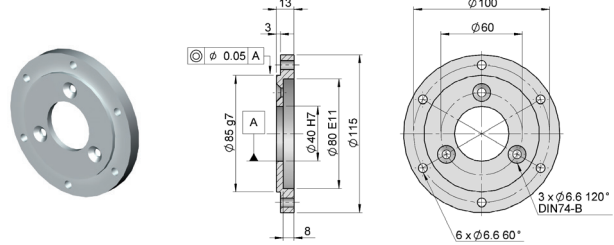
FLANGES

STANDARD FLANGES

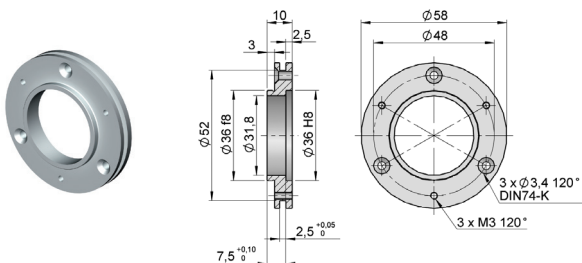
90.1006



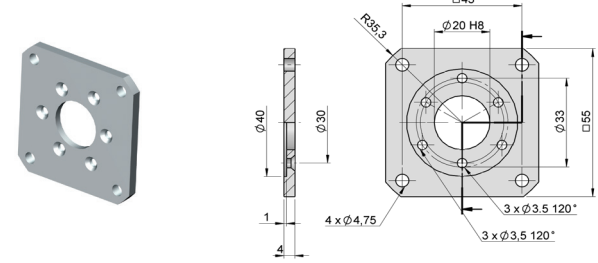
90.1008



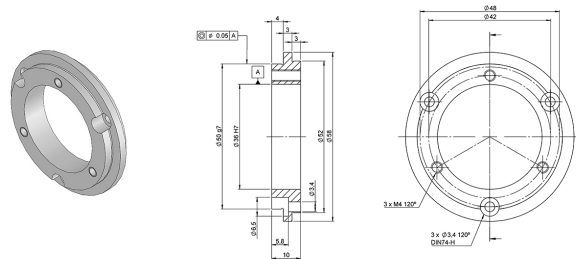
90.1015



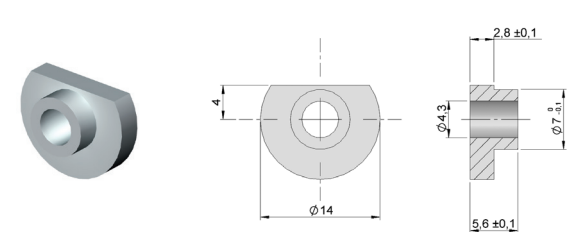
90.1057



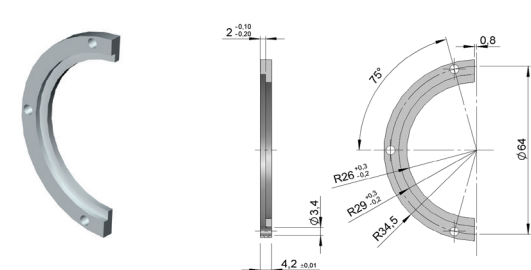
90.1102



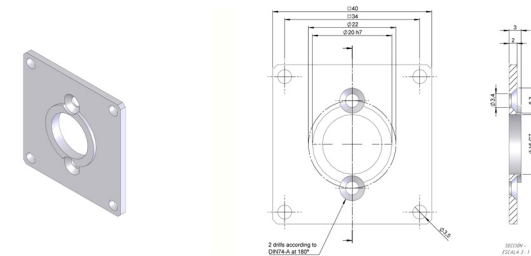
90.1103



90.1105



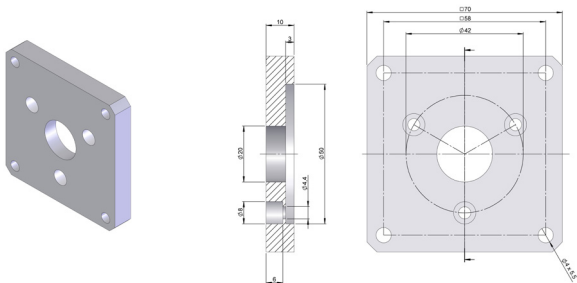
93.0101081



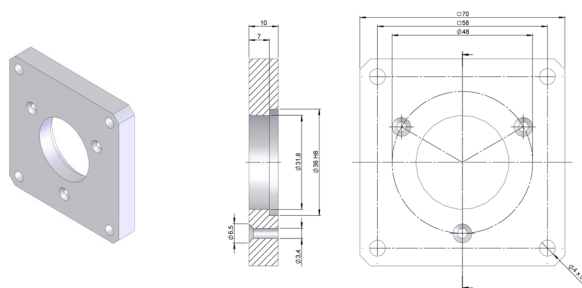
FLANGES

STANDARD FLANGES

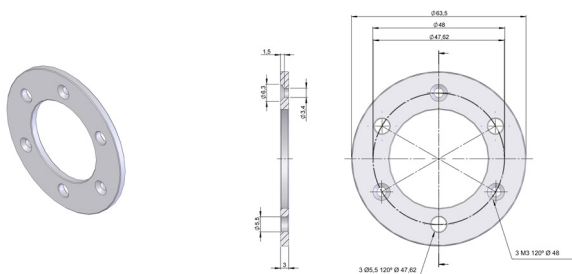
93.0101379



93.0101380

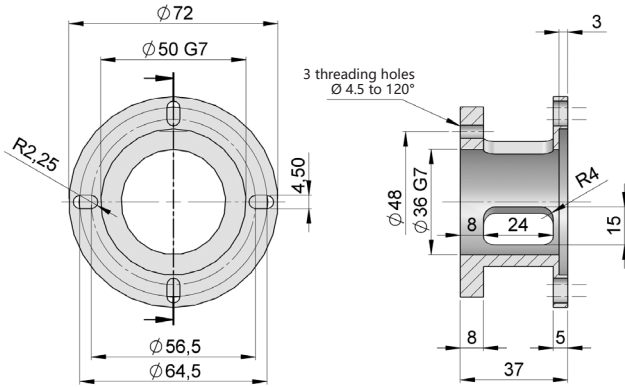
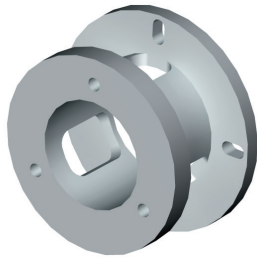


93.0101386

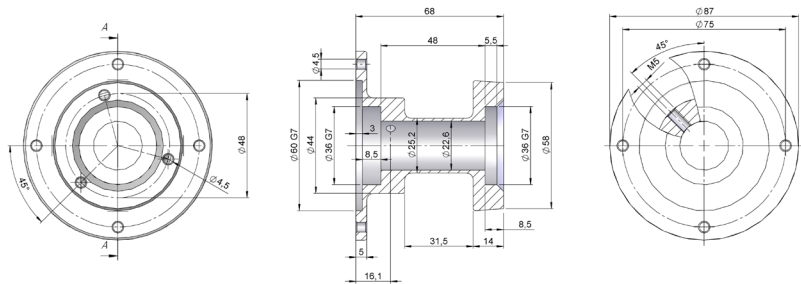
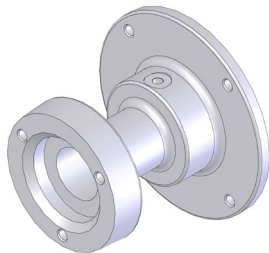


COUPLING BELLS

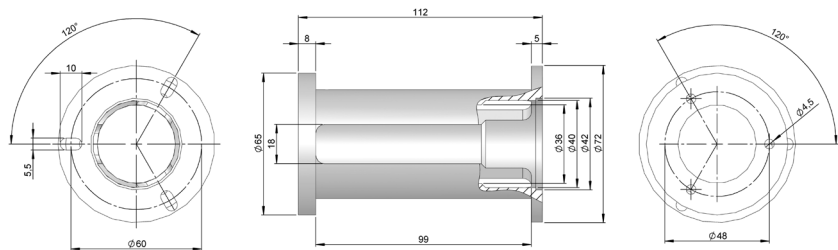
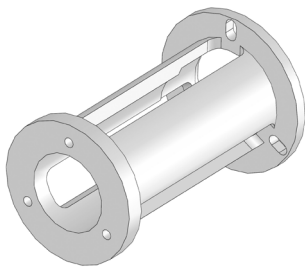
90.1609

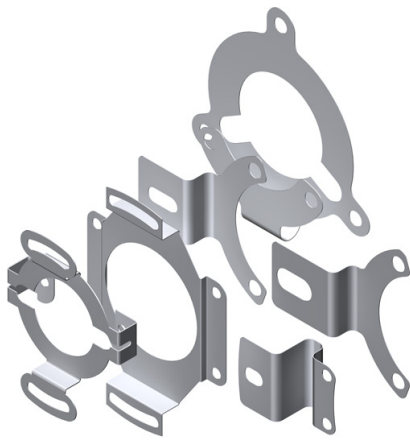


90.1610



90.1619





ANTI-ROTATION SYSTEM

FLEXIBLE ANTI-ROTATION SYSTEM



| Code | Appropriate series | Fixation screws |
|------------|---|--------------------------------------|
| 90.1014 | 19, 50H, 59, 59S, PR90H | 5 M4 x 6 DIN912, DIN84 |
| 90.1018 | 19, 50H, 59, 59S, PR90H, E58HS, E58HM, SMRS19, SMRS59, SMRS59S | 3 M4 x 6 DIN912, DIN84 |
| 90.1020 | 19, 50H, 59, 59S, PR90H, 64, E58HS, E58HM, SMRS19, SMRS59, SMRS59S | 3 M4 x 6 DIN912, DIN84 |
| 90.1024 | 19, 50H, 59, 59S, PR90H, 64, E58HS, E58HM, SMRS19, SMRS59, SMRS59S | 3 M4 x 6 DIN912, DIN84 |
| 90.1025 | 77, 80 | 5 M4 x 6 DIN912, DIN84 |
| 90.1026 | 64 | 3 M4 x 6 DIN912, 3 M4 DIN127 |
| 90.1027 | 19, 59, 59S, PR90H, 64, 64S, 66, SMRS19, SMRS59, SMRS59S, SMRS64, SMRS64S | 4 M3 x 6 DIN7985, 4 M3 DIN127B |
| 90.1036 | 22, 22H, E36HM, E36HS | 2 M2,5 x 5 DIN7985, 2 M2,5 DIN6798A |
| 90.1037 | 22, 22H, E36HM, E36HS | 2 M2,5 x 5 DIN7985, 2 M 2,5 DIN6798A |
| 90.1038 | SMRS 64 | 4 M2,5 x 6 DIN912, 4 M2, 60 DIN127B |
| 90.1039 | 64, 64S, SMRS64, SMRS64S | 2 M3 x 6 DIN912, 2 M3 DIN127B |
| 90.1040 | 19, 59 | - |
| 90.1041 | 64, 64S, 66, 77, 80 | 1 M3 x 6 DIN912, 1 M3 DIN127 |
| 90.1045 | 19, 59, 59S, PR90H, 64, 64S, 66, E58HS, E58HM, SMRS19, SMRS59, SMRS59S, SMRS64, SMRS64S | 4 M3 x 6 DIN7985, 4 M3 DIN127 |
| 90.1046 | 64, 64S, SMRS19, SMRS59, SMRS59S, SMRS64, SMRS64S | 2 M3 x 6 DIN912, 2 M3 DIN127 |
| 90.1071 | 64, 64S, SMRS19, SMRS59, SMRS59S, SMRS64, SMRS64S | 2 M3 x 6 DIN7985, 2 M3 DIN127 |
| 90.1072 | 64, 64S, SMRS19, SMRS59, SMRS59S, SMRS64, SMRS64S | 2 M3 x 6 DIN7985, 2 M3 DIN127 |
| 90.1075 | 19, 50H, 59, 59S, PR90H, E58HS, E58HM, Q58TM | 3 M4 x 6 DIN912, 3 M4 DIN127 |
| 90.1076 | 19, 50H, 59, 59S, PR90H, E58HS, E58HM, SMRS19, SMRS59, SMRS59S | 2 M 4 x 6 DIN912, 2 M4 DIN127 |
| 90.1083 | 22, 22H, E36HS, E36HM | 2 M2,5 x 5 DIN7985, 2 M 2,5 DIN6798A |
| 90.1086 | 64, 64S, SMRS19, SMRS59, SMRS59S, SMRS64, SMRS64S | 2 M3 x 6 DIN912, 2 M3 DIN127B |
| 90.1095 | 19, 50H, 59, 59S, PR90H, 64, E58HS, E58HM, SMRS59, SMRS59S | 3 M4 x 6 DIN912, 3 M4 DIN127 |
| 90.1101 | 64, 64S | 4 M2,5 x 6 DIN912, 4 M2,60 DIN127B |
| 90.1108 | 80 | 6 M3 x 6 DIN912, 6 M3 DIN127B |
| 90.1109 | 77 | 6 M3 x 6 DIN912, 6 M3 DIN127B |
| 90.1110 | 50H | 2 M2,5 x 5 DIN7985, 2 M2,60 DIN127B |
| 90.1111 | 22, 22H, E36HM, E36HS | 2 M2,5 x 5 DIN7985, 2 M2,5 DIN6798A |
| 90.1116 | 28, E24HS | 3 M1,6 x 5 DIN7985 |
| 90.1119 | 77 | 6 M3 x 5 DIN912, 6 M3 DIN127B |
| 90.1124 | 67, 67S | 2 M4 x 6 DIN912 |
| 90.1129 | 67, 67S | 2 M3 x 5 DIN912, 2 M3 DIN127B |
| 90.1132 | 22M | 2 M3 x 6 DIN7985, 2 M3 DIN6798A |
| 90.1134 | Q58TM | 4 M3 x 6 DIN7985, M3 DIN127B |
| 93.0102085 | 22, 22H | 2 M2,5 x 5 DIN7985, 2 M2,5 DIN6798A |
| 93.0102086 | 50HI | 2 M2,5 x 6 DIN912 |

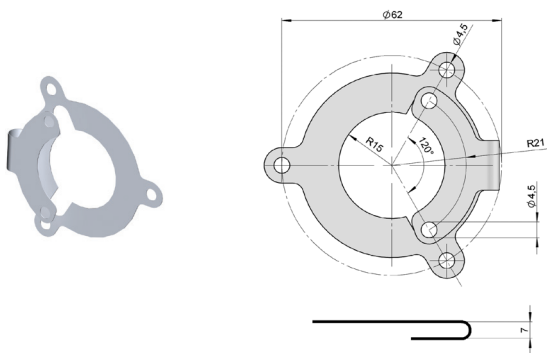


ANTI-ROTATION SYSTEM

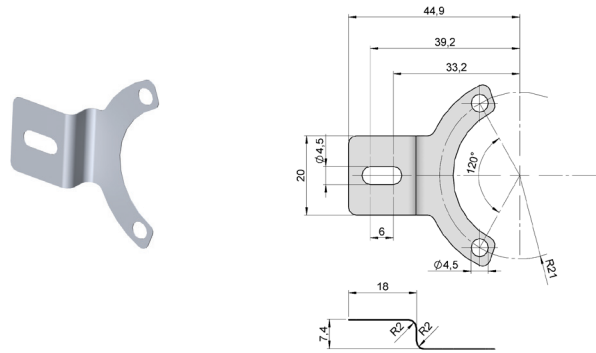
FLEXIBLE ANTI-ROTATION SYSTEM

| Code | Appropriate series | Fixation screws |
|------------|----------------------------------|-------------------------------------|
| 93.0102087 | 22, 22H, E36HS, E36HM | 2 M2,5 x 5 DIN7985, 2 M2,5 DIN6798A |
| 93.0102090 | 19, 59, 59S, PR90H, E58HS, E58HM | 4 M3x6 DIN7985, 4 M3 DIN127B |
| 93.0102094 | 28 | 2 M2 x 4 DIN912 |
| 93.0102112 | 22M | 2 M3 x 5 DIN912, 2 M3 DIN127B |
| 93.0102145 | 22, 22H, E36HS, E36HM | 2 M2,5 x 5 DIN7958, 2 M2,5 DIN6798A |
| 93.0102150 | 22, 22H, E36HS, E36HM | 2 M2,5 x 5 DIN7958, 2 M2,5 DIN6798A |

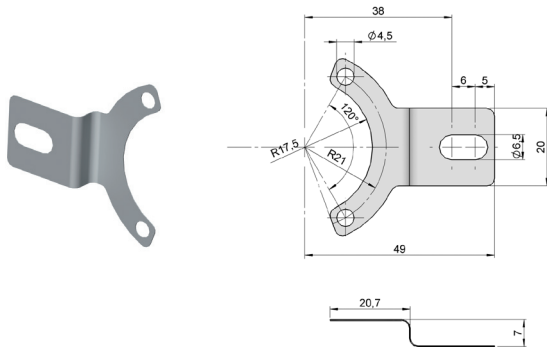
90.1014



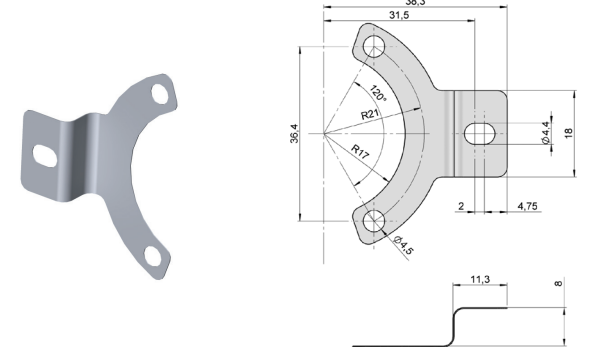
90.1018



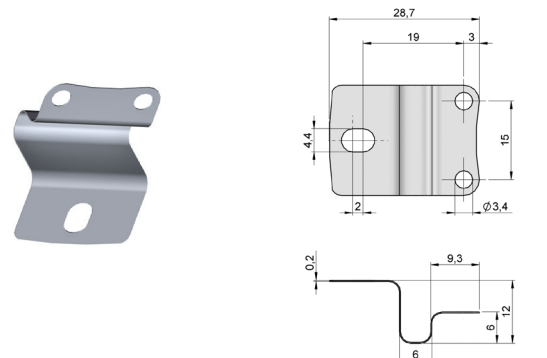
90.1020



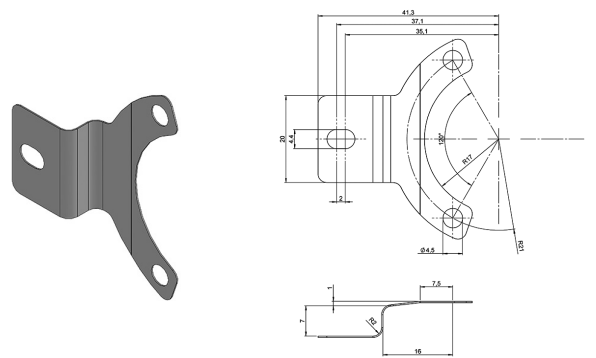
90.1024



90.1025



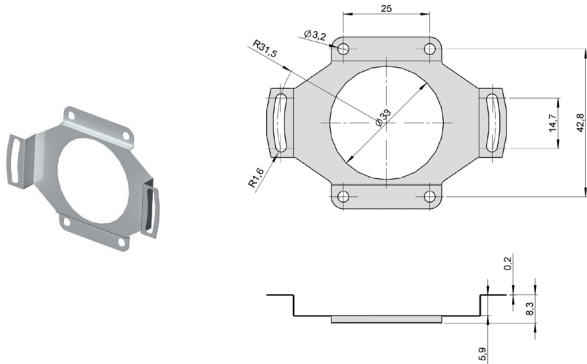
90.1026



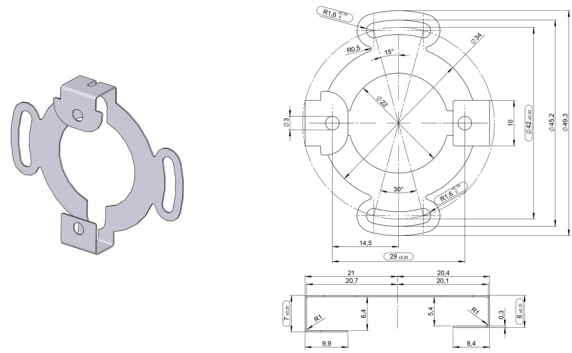
ANTI-ROTATION SYSTEM

FLEXIBLE ANTI-ROTATION SYSTEM

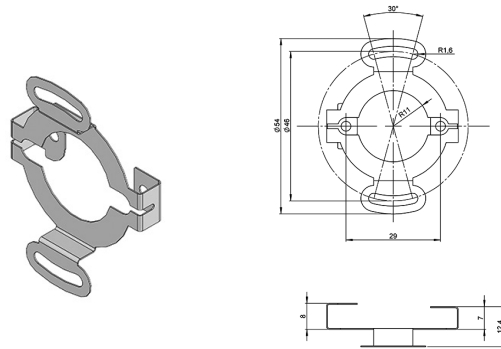
90.1027



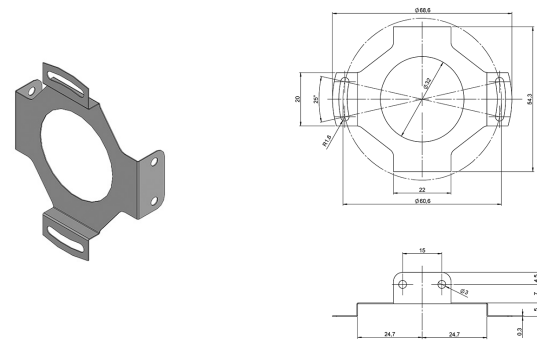
90.1036



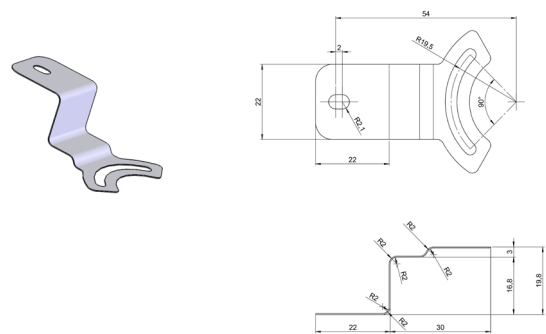
90.1037



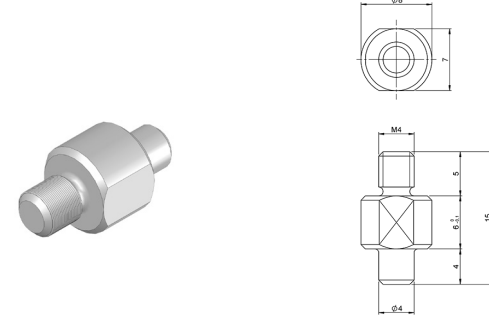
90.1038



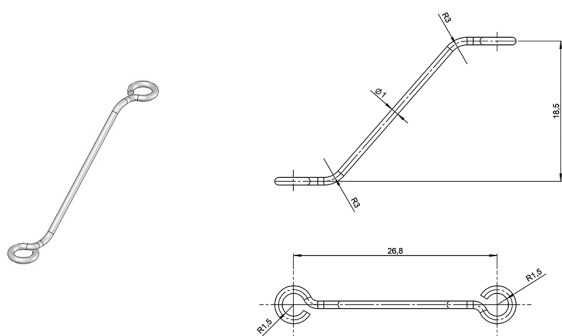
90.1039



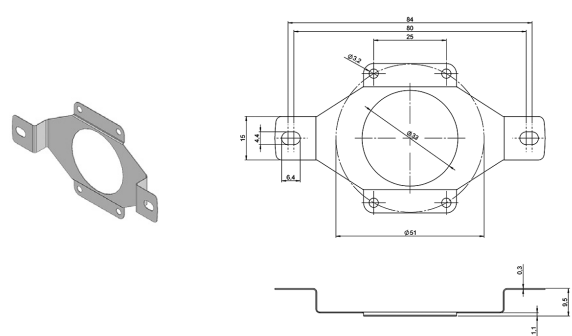
90.1040

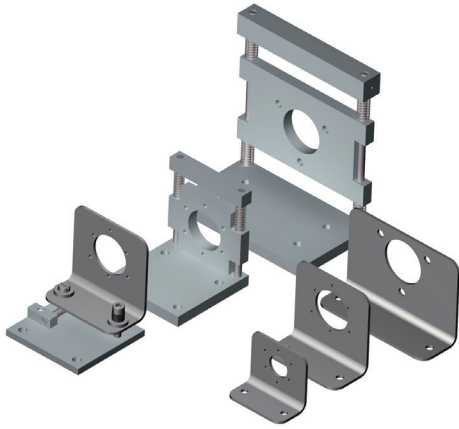


90.1041



90.1045



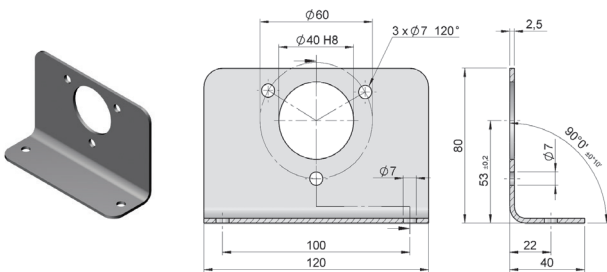


SUPPORT ANGLES

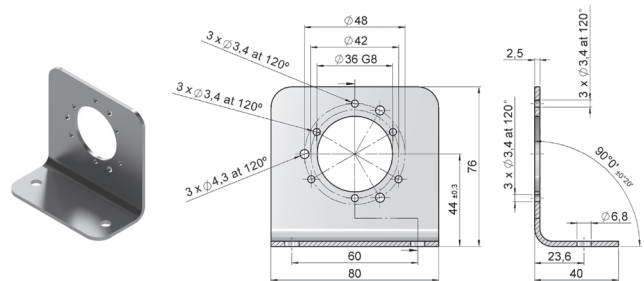


| Reference | Series |
|--------------|--|
| RIGID ANGLES | |
| 90.1201 | 30, CS30, CM30 |
| 90.1207 | 10, 10K, 11, 20, 58, PR90, SMRS 10, CS10, CM10 |
| 90.1208 | 21, 36 |
| 90.1218 | 10, 10I, 11, 20, PR90, E58 CM, E58 CS |

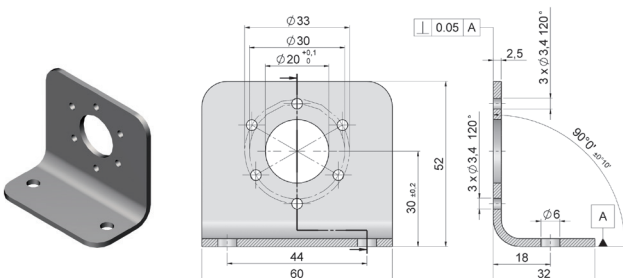
90.1201



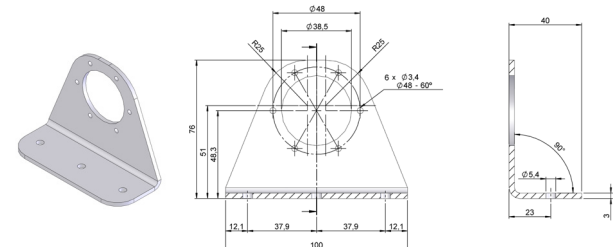
90.1207



90.1208



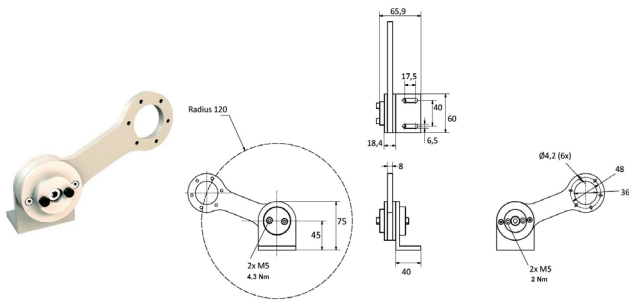
90.1218



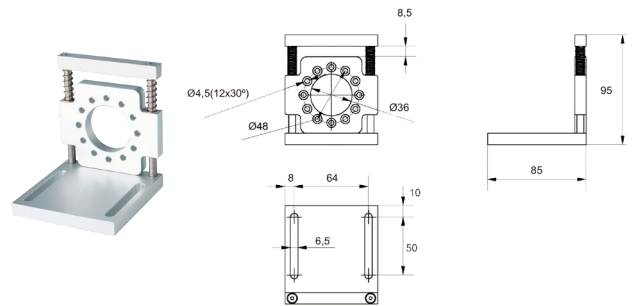
SUPPORT ANGLES

| Reference | Series |
|-----------------|--|
| FLEXIBLE ANGLES | |
| 90.1202 | 10, 11, PR90, E58 CS, E58 CM, SMRS 10, 10I, 20, CS10, CM10 |
| 90.1204 | 10, 20, 11, PR90, SMRS 10, CS10, CM10 |
| 90.1206 | 10, 20, 11, 58, CS10, CM10 |
| 90.1219 | 36, 36 CS, 36CM |

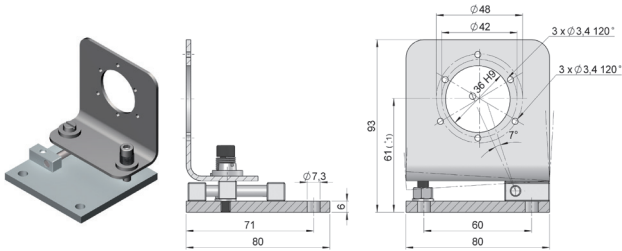
90.1202



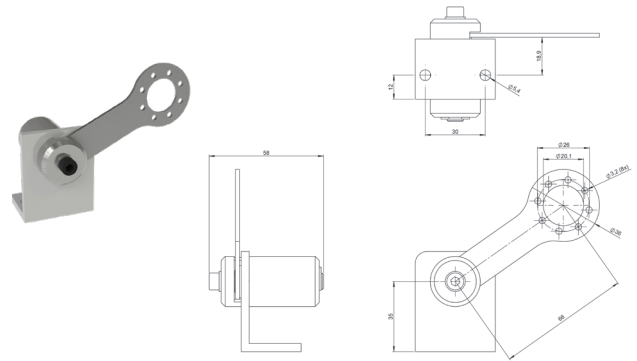
90.1204

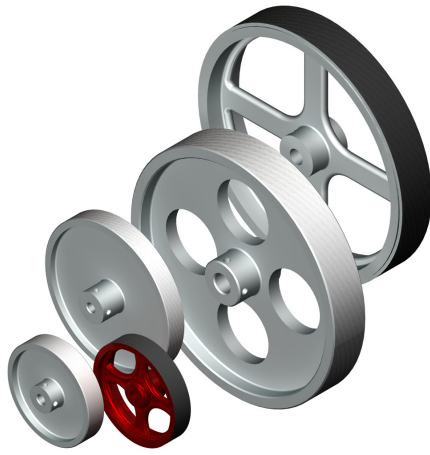


90.1206



90.1219





MEASURING WHEELS



TECHNICAL SPECIFICATIONS

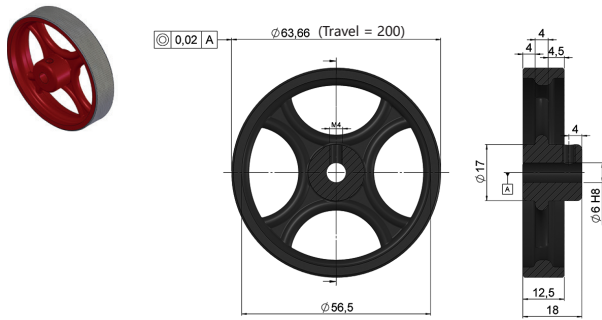
| | Type | Travel mm | Diameter Ø D mm | Shaft (*) Ø d mm | Width B mm | M (DIN 916) |
|----------------|-------------------------|--------------|-----------------------|------------------------|------------------|----------------|
| 90.9101 | Knurled aluminium | 200 | 63.66 | 6 | 12 | M4 x 6 |
| 90.9102 | Knurled aluminium | 305 | 97.08 | 10 | 12 | M5 x 6 |
| 90.9103 | Knurled aluminium | 500 | 159.15 | 10 | 25 | M5 x 6 |
| 90.9107 | Smooth polyurethane | 500 | 159.15 | 10 | 25 | M5 |
| 90.9108 | Smooth polyurethane | 200 | 63.66 | 6 | 12 | M4 x 6 |
| 90.9110 | Knurled aluminium | 200 | 63.66 | 6 | 12 | M4 x 6 |
| 90.9111 | Rubber | 200 | 63.66 | 6 | 12 | M4 x 6 |
| 90.9112 | Studded polyurethane | 200 | 63.66 | 6 | 12 | M4 x 6 |
| 90.9113 | Rubber | 500 | 159.15 | 10 | 25 | M5 x 6 |
| 90.9114 | Corrugated polyurethane | 500 | 159.15 | 10 | 25 | M5 |
| 90.9115 | Corrugated polyurethane | 200 | 63.66 | 6 | 12 | M4 x 6 |
| 90.9117 | Smooth polyurethane | 300 | 95.49 | 10 | 12 | M5 x 6 |
| 90.9119 | Rubber | 200 | 63.66 | 6 | 20 | M4 x 5 |
| 90.9122 | Smooth polyurethane | 305 | 97.08 | 10 | 12 | M5 x 6 |
| 90.9123 | Studded polyurethane | 305 | 97.08 | 10 | 12 | M5 x 6 |
| 90.9124 | Corrugated polyurethane | 305 | 97.08 | 10 | 12 | M5 x 6 |
| 90.9150 | Studded polyurethane | 500 | 159.15 | 10 | 25 | M5 |
| 90.9175 | Knurled aluminium | 500 | 159.15 | 10 | 25 | M5 |

(*) Other shaft diameters available. For example code for wheel 90.9113 with 6 mm shaft: 90.9113.6

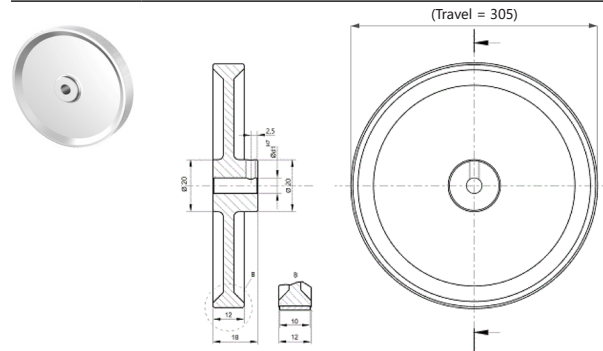


MEASURING WHEELS

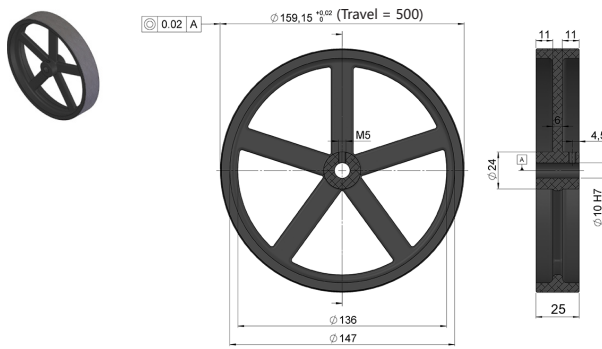
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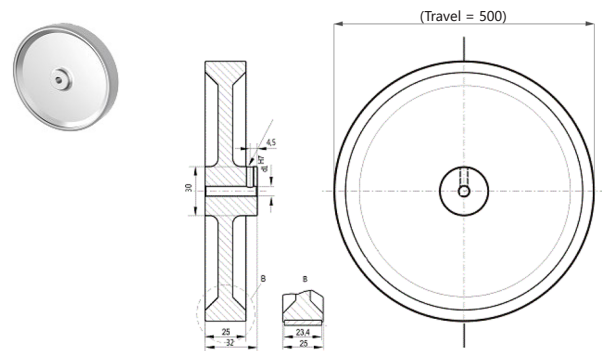
90.9102



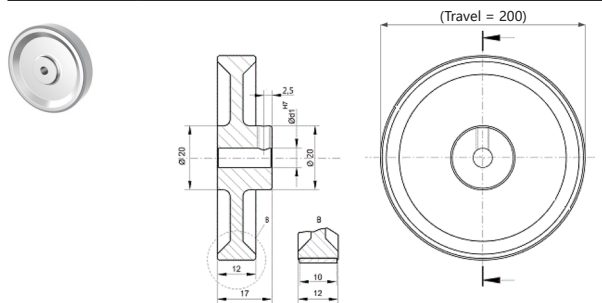
90.9103



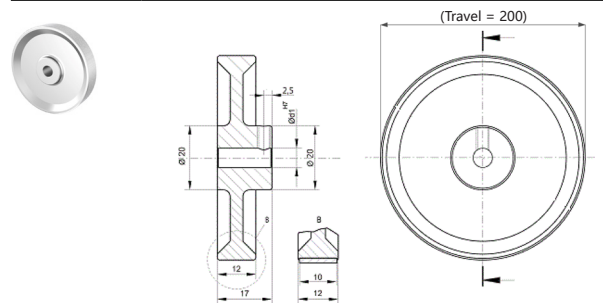
90.9107



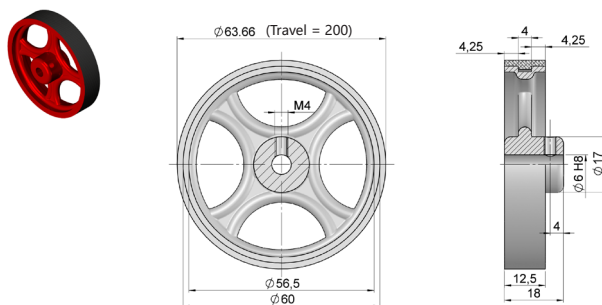
90.9108



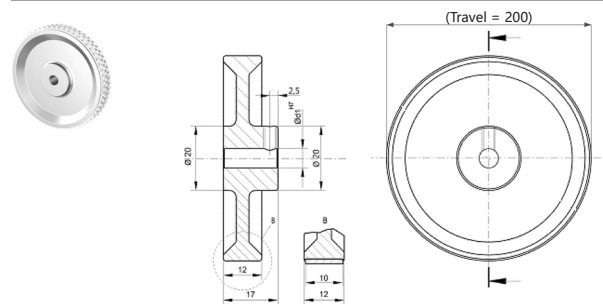
90.9110



90.9111

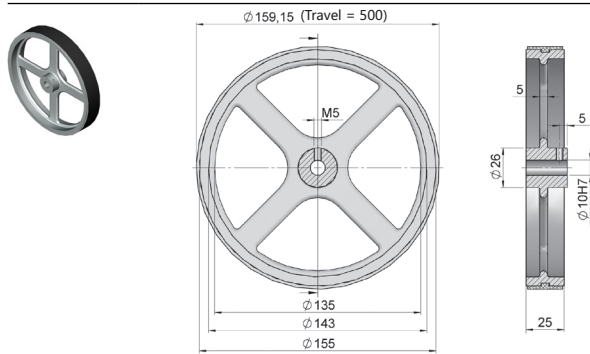


90.9112

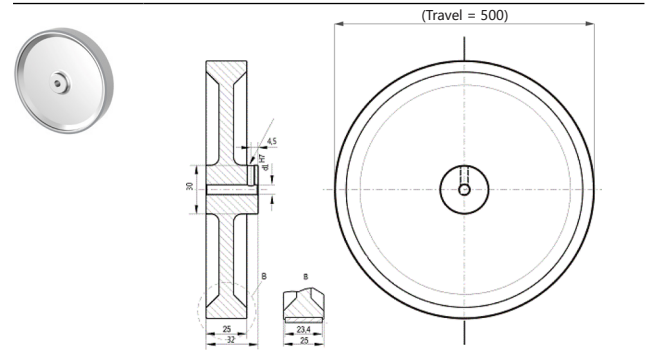


MEASURING WHEELS

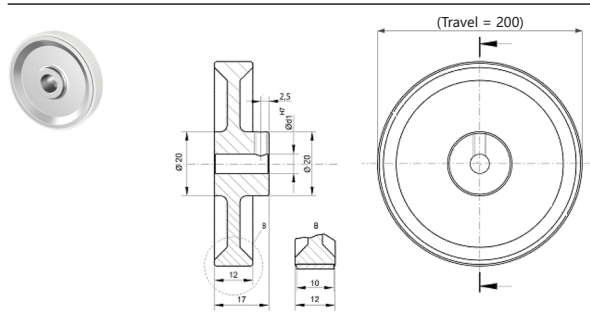
90.9113



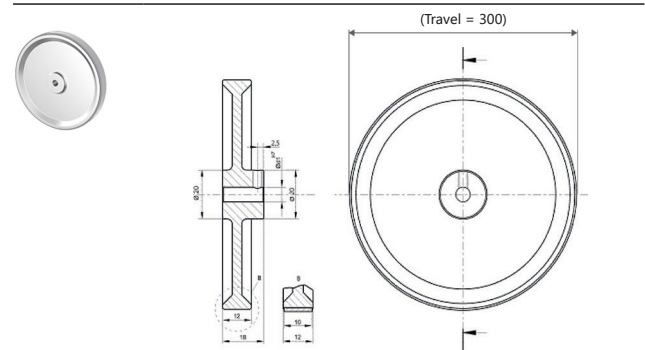
90.9114



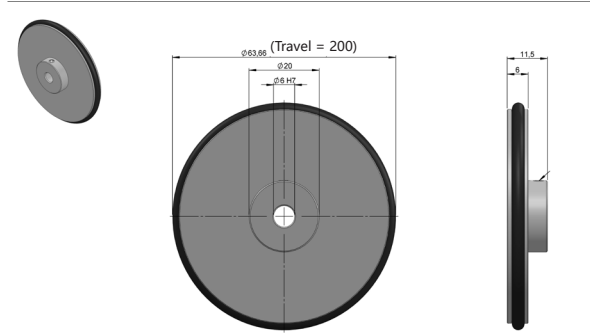
90.9115



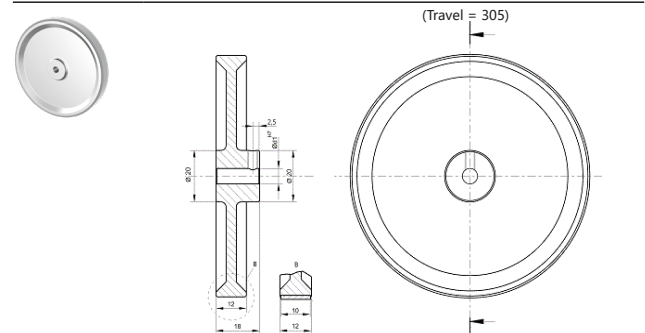
90.9117



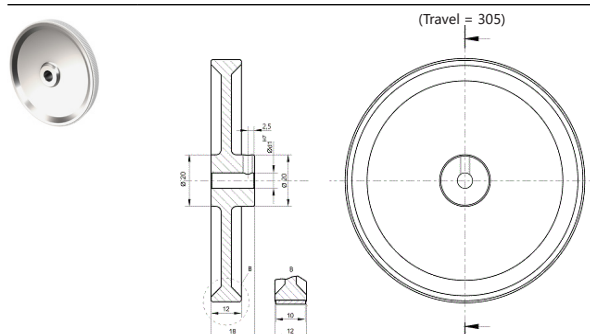
90.9119



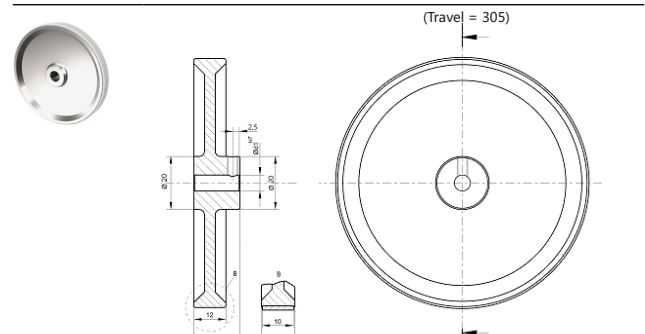
90.9122



90.9123

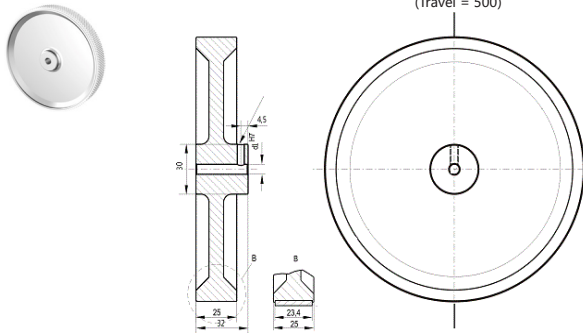


90.9124

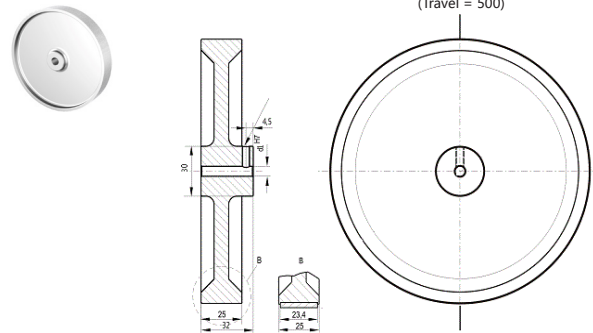


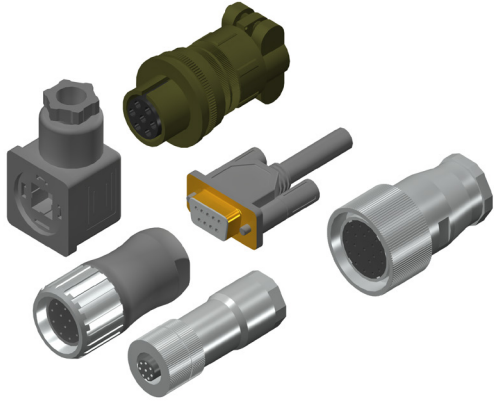
MEASURING WHEELS

90.9150



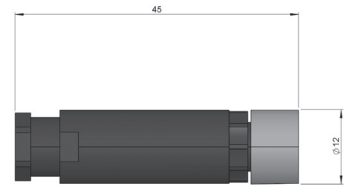
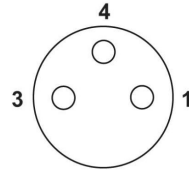
90.9175



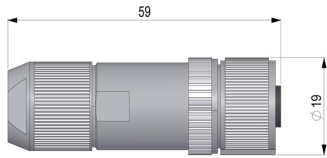
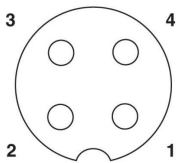


CONNECTORS

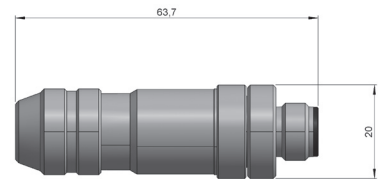
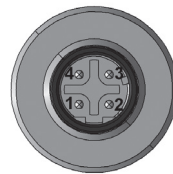
95.0007179
M8 3p



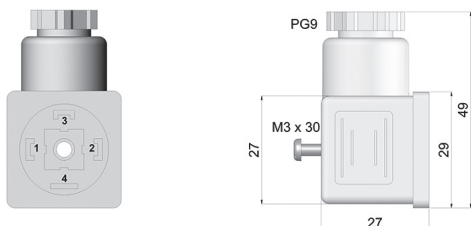
95.0007076
M12 4p CW



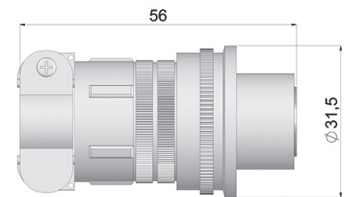
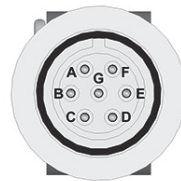
95.0007077
M12 4p CCW



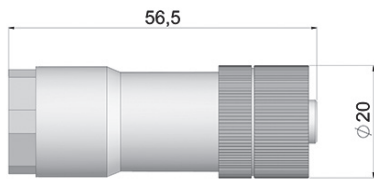
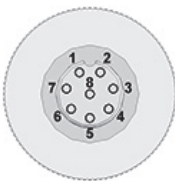
95.0007011
DIN 43650



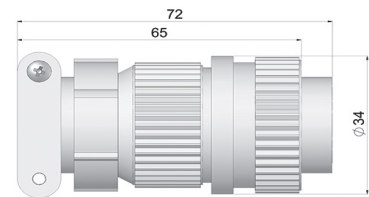
90.9507H
Military 7p CCW



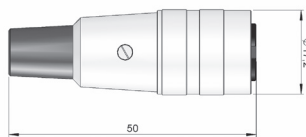
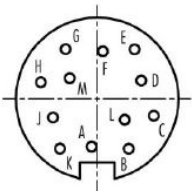
95.0007152
M12 8p CW



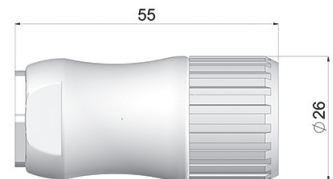
90.9510H
Military 10p CCW



95.0007149
M16 12p CCW

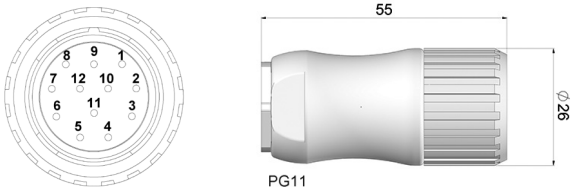


95.0007131
M23 12p CCW

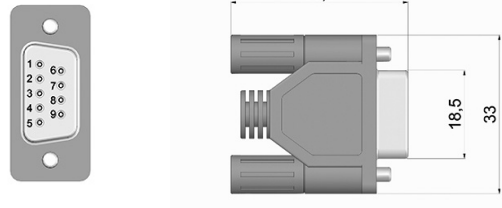


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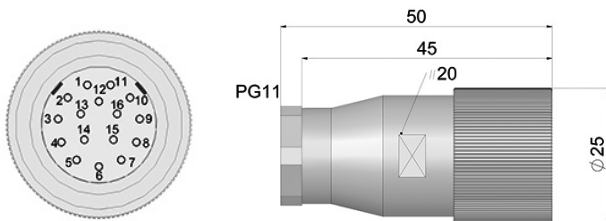
95.0007137
M23 12p CW



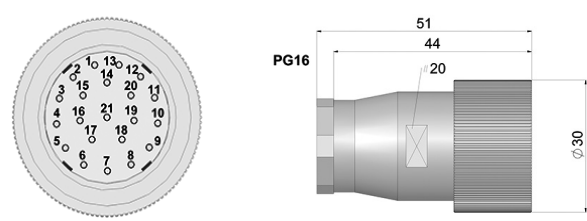
90.9589H
D-Sub 9p



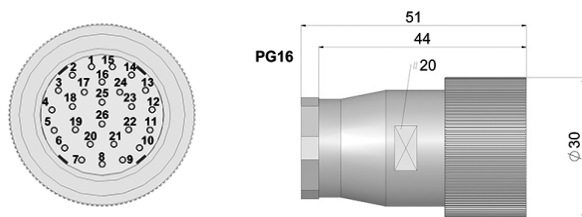
95.0007006
M23 16p CCW



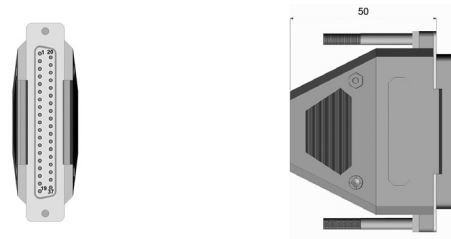
95.0007062
21p CCW



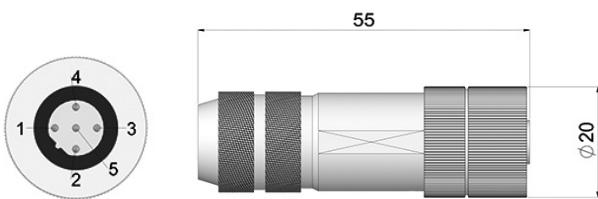
95.0007063
26p CCW



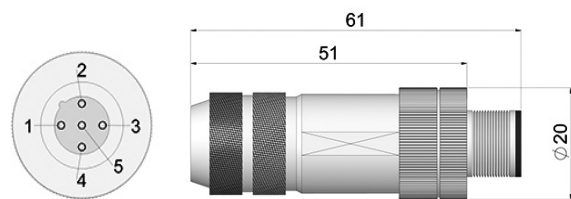
90.9537H
37p



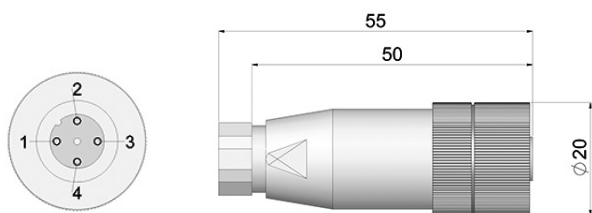
90.9552
M12 5p



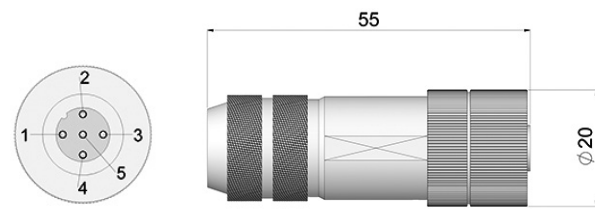
90.9553
M12 5p



90.9554
M12 4p CW

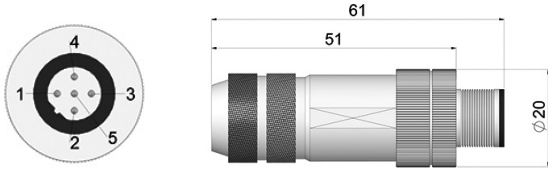


90.9550
M12 5p

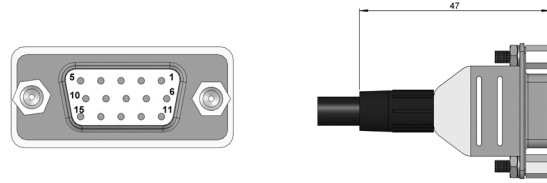


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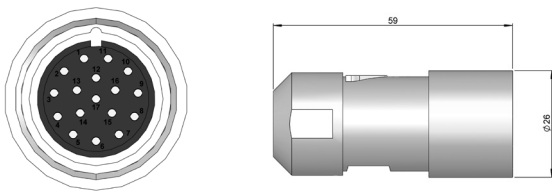
90.9551
M12 5p



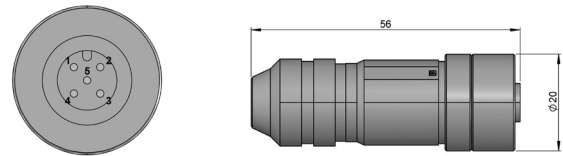
90.9546H
D-Sub 15p



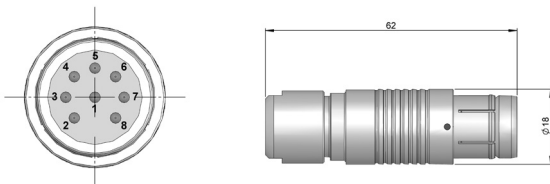
95.0007196
M23 17p CCW



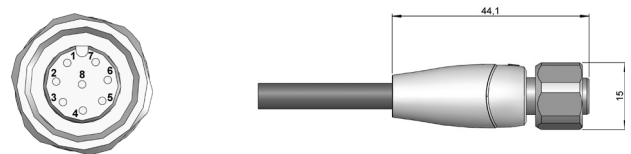
95.0007265
M12 5p CW

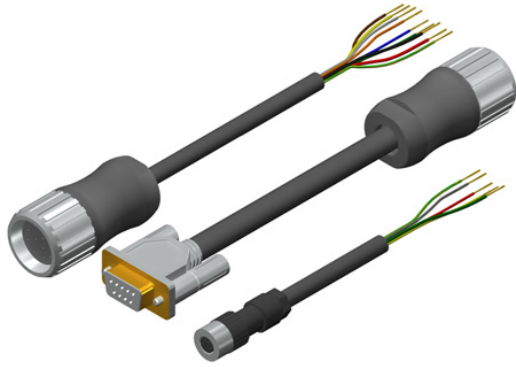


95.0007370
Push-Pull



95.0007571
M12 8p CCW





PRE-ASSEMBLED CABLES

- Compatible with Hohner encoders
- Reduces the possibility of wiring errors
- Eliminates risks of short-circuits
- Saves on installation time



Connector 95.0007011



Composed of:
Cable 5x0.14
Female connector type DIN 43650 4p

REF: 89.001.01.000.XX
Length in meters

Connector 95.0007152



Composed of:
Cable 3x2x0.14+2x0.34
Female connector M12 8p CW

REF: 89.003.02.000.XX
Length in meters

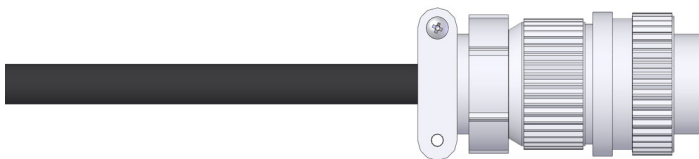
Connector 90.9507H



Composed of:
Cable 5x0.14
Female connector type militar 7p CCW

REF: 89.002.01.000.XX
Length in meters

Connector 90.9510H



Composed of:
Cable 3x2x0.14+2x0.34
Female connector type militar 10p CCW

REF: 89.004.02.000.XX
Length in meters

Connector 95.0007131



Composed of:
Cable 3x2x0.14+2x0.34
Female connector M23 12p CCW

REF: 89.005.02.000.XX
Length in meters



PRE-ASSEMBLED CABLES

Connector 95.0007137



Composed of:
Cable 3x2x0.14+2x0.34
Female connector M23 12p CW

REF: 89.010.02.015.XX
Length in meters

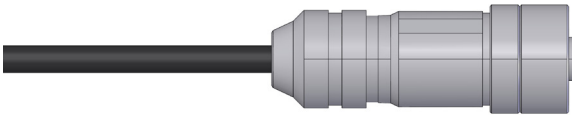
Connector 95.0007149



Composed of:
Cable 6x2x0.14
Female connector M16 12p CCW

REF: 89.036.010.051.XX
Length in meters

Connector 95.0008002



Composed of:
Cable 2x2x0.14+1x0.14
Female connector M12 5p CW

REF: 89.033.01.000.XX
Length in meters

Cable length available: 2, 4, 6, 8, 10, 20 and 30 meters



Other pre-assembled cables available.
Special cables available