

Flat swivel units

Angled swivel units

Electric swivel units

SF125

SF155

SF155M

SF195

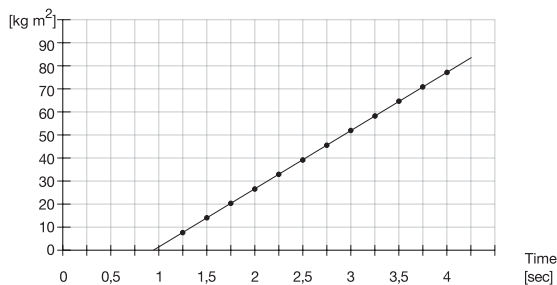
Flat swivel unit

SF155 Series

Swivel angle: 90° or 180°

Advantages, benefits, comparisons and tips!
Stacks of information all about this product are on page 227.

Moment of inertia



SF155-18018



Sommer-automatic

Grippers

Separators

Swivel units

Rotating jaws

Axial compensators

Tool changers

Linear cylinders

Shock absorbers

Rotary cylinders

Air vane motors

Vacuum components

Accessories

Quick finder

Order no. (Swivel angle 90°):

| | | | | | |
|-----------|-----------|------------|------------|-------------|-------------|
| SF155-90N | SF155-90H | SF155-90I4 | SF155-90I8 | SF155-90H14 | SF155-90H18 |
|-----------|-----------|------------|------------|-------------|-------------|

Order no. (Swivel angle 180°):

| | | | | | |
|------------|------------|-------------|-------------|--------------|--------------|
| SF155-180N | SF155-180H | SF155-180I4 | SF155-180I8 | SF155-180H14 | SF155-180H18 |
|------------|------------|-------------|-------------|--------------|--------------|

Drive:

| | | | | | |
|--------|-------|--------|--------|-------|-------|
| pneum. | hydr. | pneum. | pneum. | hydr. | hydr. |
|--------|-------|--------|--------|-------|-------|

Torque [Nm]:

| | | | | | |
|----|-----|----|----|-----|-----|
| 62 | 205 | 58 | 54 | 200 | 195 |
|----|-----|----|----|-----|-----|

Swivel angle adjustable 90° or 180° ± [°]:

| | | | | | |
|---|---|---|---|---|---|
| 3 | 3 | 3 | 3 | 3 | 3 |
|---|---|---|---|---|---|

Repeatability ± [°]:

| | | | | | |
|------|------|------|------|------|------|
| 0,01 | 0,01 | 0,01 | 0,01 | 0,01 | 0,01 |
|------|------|------|------|------|------|

Thru-hole center bore Ø [mm]:

| | | | | | |
|----|----|----|----|----|----|
| 40 | 40 | 40 | 40 | 40 | 40 |
|----|----|----|----|----|----|

Rotary manifold ports (quantity):

| | | | | | |
|---|---|---|---|---|---|
| - | - | 4 | 8 | 4 | 8 |
|---|---|---|---|---|---|

Radial bearing load [Nm]:

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 600 | 600 | 600 | 600 | 600 | 600 |
|-----|-----|-----|-----|-----|-----|

Axial bearing load [N]:

| | | | | | |
|------|------|------|------|------|------|
| 6000 | 6000 | 6000 | 6000 | 6000 | 6000 |
|------|------|------|------|------|------|

Min./max. operating pressure [bar]:

| | | | | | |
|-----|-------|-----|-----|-------|-------|
| 4/8 | 10/25 | 4/8 | 4/8 | 10/25 | 10/25 |
|-----|-------|-----|-----|-------|-------|

Air volume per cycle 90°/180° [cm³]:

| | | | | | |
|---------|---|---------|---------|---|---|
| 540/730 | - | 540/730 | 540/730 | - | - |
|---------|---|---------|---------|---|---|

Oil volume per cycle 90°/180° [cm³]:

| | | | | | |
|---|---------|---|---|---------|---------|
| - | 365/730 | - | - | 365/730 | 365/730 |
|---|---------|---|---|---------|---------|

Min./max. operating temperature [°C]:

| | | | | | |
|------|------|------|------|------|------|
| 5/80 | 5/80 | 5/80 | 5/80 | 5/80 | 5/80 |
|------|------|------|------|------|------|

Weight [kg]:

| | | | | | |
|------|------|------|------|------|------|
| 13,0 | 13,0 | 16,0 | 17,5 | 16,0 | 17,5 |
|------|------|------|------|------|------|

All data measured at 6 bar (hydr. 20 bar).

See Page 227 for Accessory list

Shock absorbers included on all models.
1 models feature integral rotary manifold.

Air Power! The Sommer-automatic standard for pivot units with integrated manifold.

