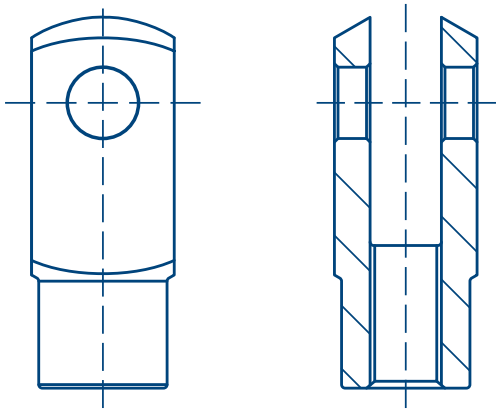
1. PRODUCT DESCRIPTION

Clevises are mechanical linking units suitable for the transmission of static forces.
The pins or the lockable pins, used in conjunction with the clevises, have the function of connecting the clevis with the mechanical part for the transmission of the force. They are standard products, which are produced according to the norms and the indicated dimensional tables.
All our products can be supplied galvanized or unplated.



2. TECHNICAL DATA

· Clevis type G	DIN 71752 norm
· Clevis type G . . FG	DIN 71752 norm with thread ISO 8140
· Clevis type G . . CN t	CNOMO 06 07 14 norm
· Mating piece for clevis type G . .FG	according to dimensional tables
· Pin type PDIN	DIN 1434 norm
· Pin type PKS	according to dimensional tables
· Pin type PI	according to dimensional tables
· Pin type PC	according to dimensional tables

Material: Automatic Steel 11SMnPb30 (1.0718) COLD-DRAWN (+C) EN 10277-3 NORM

· Clevis type G . . STAINLESS STEEL	DIN 71752 norm
· Clevis type G . . FG STAINLESS STEEL	DIN 71752 norm with thread ISO 8140
· Mating piece for clevis type G . .FG STAINLESS STEEL	according to dimensional tables
· Pin type PI . .STAINLESS STEEL	according to dimensional tables

Material: Stainless Steel AISI 303 (1,4305) COLD-DRAWN (+C) EN 10088-3 NORM

· Clevis type GA . .	DIN 71752 norm
· Clevis type GA . . FG	DIN 71752 norm with thread ISO 8140
· Pin type PKSAL . .	according to dimensional tables

Material: Aluminium 2011 (11S) anodized COLD-DRAWN EN 754 NORM

· Lockable pin type PM	according to dimensional tables
· Lockable pins type PMC	according to dimensional tables

Material: Pin - automatic steel 11SMnPb30 (1,0718)
Material: Spring - carbon steel C67 (1,0603)

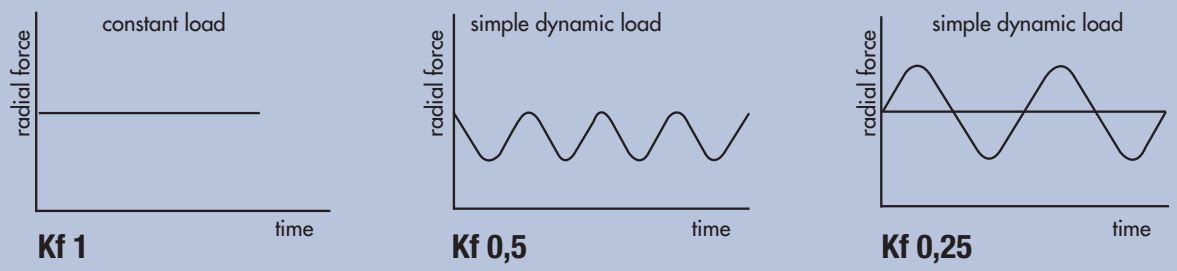
Static load

By static load we mean the maximum radial load which, when applied to the forks in a static way, does not create permanent deformations or prejudice its functioning.
The values of the maximum permissible load were obtained by calculation and then verified on significant samples taken from our production series.
In the tables of dimensions the permissible static loads (Co) which are indicated have been calculated on the basis of a minimum safety factor of 2.5 times with respect to the breaking static load.
Where pulsating or alternating loads are used, it is necessary to reduce the permissible static load introducing the safety coefficient Kf:

$$Fr\ amm. = Co \times Kf$$

Fr amm. **= maximum permissible load on the fork (daN)**
Co **= permissible radial static load on the fork (daN)**
Kf **= load coefficient**
Fr **= radial force applied (daN)**

It is important always to verify the following condition:

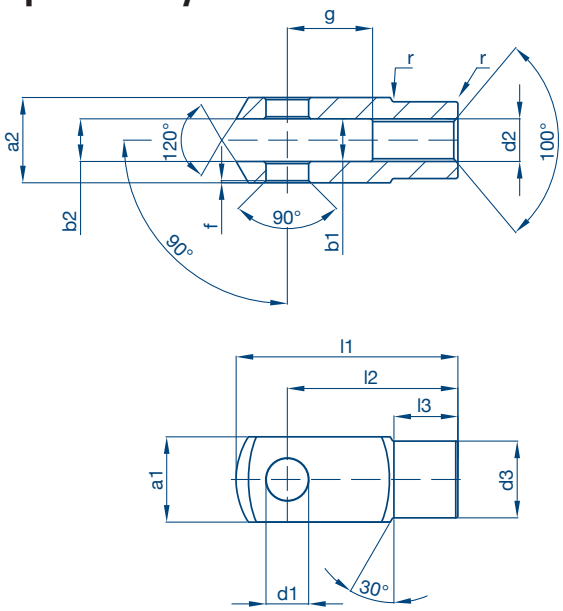


3. TOLERANCES

The constructional tolerances refer to current regulations or to those specified in the tables of dimensions.

DIN 71752 Thread ISO 8140 CETOP for pneumatic cylinders





Dimensions mm

DESIGNATION	CYL NDER Ø	d1 H9	g ±0,5	a1 h11	a2 +0,30 -0,16	b1 B13	b2	Tol.	d2 6H	d3 ±0,3	f ±0,2	l1 ±0,5	l2	Tol.	l3 ±0,2	r	static load Co.(daN)	weight ≈ (kg)
G4X8	8-10	4	8	8	8	4	4	B13	M4x0,70	8	0,5	21	16	±0,3	6	0,5	320	0,005
G6X12	12-16	6	12	12	12	6	6		M6x1,00	10	0,5	31	24		9	0,5	720	0,015
G8X16	20	8	16	16	16	8	8		M8x1,25	14	0,5	42	32	±0,4	12	0,5	1280	0,036
G10X20 FG	25-32	10	20	20	20	10	10		M10x1,25	18	0,5	52	40		15	0,5	2000	0,070
G12X24 FG	40	12	24	24	24	12	12	+0,70 +0,15	M12x1,25	20	0,5	62	48		18	0,5	2880	0,121
G16X32 FG	50-63	16	32	32	32	16	16		M16x1,50	26	1	83	64		24	1	5120	0,250

similar to DIN 71752 (sizes not considered in the norm)

DESIGNATION	CYLINDER Ø	d1 H9	g ±0,5	a1 h11	a2 +0,30 -0,16	b1 B13	b2	Tol.	d2 6H	d3 ±0,3	f ±0,2	l1 ±0,5	l2	Tol.	l3 ±0,2	r	static load Co.(daN)	weight ≈ (kg)
G20X40 FG	80-100	20	40	40	40	20	20	+0,70 +0,15	M20x1,50	34	1	105	80	±0,4	30	1,5	8000	0,550
G25X50 FG	125	25	50	50	50	25	25		M24x2,00	42	1	132	100		36	1,5	12500	1,100
G30X54 FG	125	30	54	55	55	30	30		M27x2,00	48	1	148	110		38	2	12500	1,460
G35X72 FG	160-200	35	72	70	70	35	35		M36x2,00	60	1	188	144		40	3	24500	3,270
G40X84 FG	250	40	84	85	85	40	40		M42x2,00	70	3	232	168		63,5	5	39000	5,300
G42X84 FG	250	42	84	85	85	42	42		M42x2,00	70	3	232	168		63,5	5	35500	5,300
G50X96 FG	320	50	96	96	96	50	50		M48x2,00	82	3	265	192		73	5	41000	7,900

For left-hand thread add "LH" (ex. G16x32 FG LH)
Technical reading from page 44 to page 45

MATERIAL

automatic steel 11SMnPb30 (1.0718)

Surface protection:

- *Zinc plating according to EN ISO 4042, Fe/Zn 8c...*
- *Chromate treatment (passivation) example: type A please add 1A (G16x32 FG 1A)*
- *Surface treatment table at page 6*
- *Without any indication, the clevis will be supplied oiled and unplated*

Tolerances:

The dimensional tolerances shown in the table make reference to zinc plated products.