



GAS LIFT BUYER RFQ GUIDE

Office Chair Gas Lift Specification Checklist

A practical purchasing guide for Class 3 and Class 4 office chair gas lifts: dimensions, model coding, force, finish, certificate matching and quotation input data.



Manufacturer	Qingdao Samiktech Machinery Co., Ltd.
Core products	Class 3 and Class 4 office chair gas lifts, gas cylinders and gas springs
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Note: Values in this guide are quotation references. Final supply must be confirmed by drawing, sample, test requirement and certificate model scope.

1. RFQ checklist for a fast quotation

Send the following data when requesting a chair gas lift quotation. Complete input helps reduce repeated emails and improves model matching.

Input item	What to send	Why it matters
Product class	Class 3, Class 4 or current supplier model	Defines the first engineering route
Stroke	Nominal stroke in mm, for example 80, 100, 120	Controls height adjustment window
Extended length	Overall length when fully extended	Checks chair height and package fit
Rated force	Force in N, such as 350 N, 400 N, 450 N	Affects seat feeling and return speed
Tube and finish	Black, chrome, QPQ, hard chrome or customer code	Connects appearance and certificate route
Documents	EN 16955, SGS report, customer audit or drawing requirement	Prevents mismatch between model and compliance
Commercial data	Annual quantity, target market, packing and lead time	Supports realistic price and production planning

2. Drawing dimensions buyers should mark

Symbol	Meaning	Purchasing note
L	Extended or overall reference length	Important for seat height range and assembly clearance
B	Nominal stroke	Usually the first size parameter in RFQ communication
V	Visible tube or body reference length	Useful when matching existing samples
X / Y	Seat mechanism and taper interface dimensions	Small mismatch may cause assembly issues
F1 / N	Rated extension force in Newtons	Should match chair weight, mechanism and desired feeling

3. Class 3 and Class 4 reference ranges

The following data is for quotation discussion only. Final model selection should be confirmed against the buyer drawing or sample.

Platform	Typical stroke	Reference force	Pressure tube / finish	Common use
Class 3	50-265 mm	350-500 N	Black or chrome routes by model	Standard office and task chair programs
Class 4 QPQ	70-270 mm	300-500 N	28 x 2.0 mm QPQ route	Higher-strength chair platforms
Class 4 hard chrome	70-270 mm	300-500 N	28 x 2.5 mm hard-chrome route	Projects specifying hard-chrome pressure tube
Long stroke	200-265 mm	By chair geometry	By drawing	Drafting chairs and tall seating
Project option	Custom	By test plan	Anti-static, non-rotating or special finish	OEM or special-function projects

4. Model code example

Example	SMT-SC4-100-28x2.5-450N-BK
SMT	Samiktech
SC4	Class 4 chair gas lift platform
100	Nominal stroke in mm
28x2.5	Pressure tube specification for engineering review
450N	Rated extension force target
BK	Black coating or customer finish code

5. Certificate and test-report matching

Certificate names should be connected to the actual gas lift model being quoted. Buyers should always compare certificate scope, tested sample and requested configuration.

Buyer request	What to verify	Recommended input
EN 16955 Class 3	Class 3 model and certificate scope	Drawing, stroke, force and finish
EN 16955 Class 4	Pressure tube, treatment route and certificate scope	Pressure tube, finish, chair use and market
ANSI/BIFMA X5.1 related report	Which sample and which selected tests were covered	Customer requirement, tested sample comparison and model changes
Supplier audit	Factory, R and D, production and quality-control information	Buyer audit request and document list

6. Copy-and-send RFQ template

Email template	Product/class: ____ Current model or sample photo: ____ Stroke / extended length: ____ mm / ____ mm Rated force: ____ N Pressure tube and finish: ____ Required documents: ____ Annual quantity and target market: ____ Packing, marking or private label request: ____ Other chair accessories to quote: ____
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