



Pneumatic Catalogue

Quick Coupling Systems for
Pneumatic and Fluid Handling

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



ENGINEERING YOUR SUCCESS.

Nominal Diameter

7,4 = 43 mm²



Tema Series

1300



Other designs in series 1300

The following other designs can be found from page:

- Stainless Steel P. 204

Technical Description

Series 1300 is used mainly for applications in the area of compressed air and liquids. Optimally suited to smaller to medium-sized pneumatic systems and to compressed air tools. The coupling series stands out for its compact design and high flow rates with the UltraFlo valve. Coupling body made of nitrocarburized steel.

Dust Protections  (P. 319)

for Coupling Part.-No. 1315-QC
for Plug Part.-No. 1325-QC

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.



Working Pressure**

35 bar
** maximum static working pressure with safety factor 4 to 1.

50 bar

Features

- Single-hand operation
- Two-hand operation
- Special sealing system in the coupling increases the service life of the coupling

Material

Coupling: Brass nickel plated and chrome plated
Plug: Steel zinc plated
Seals: NBR

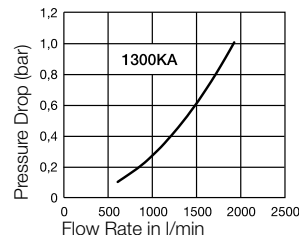
Coupling: Brass nickel plated and chrome plated
Plug: Brass nickel plated and chrome plated
Seals: NBR

Interchangeability

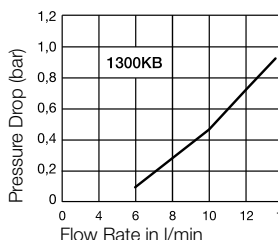
- Rectus Serie 31
- Cejn 303

Flow diagrams

Air



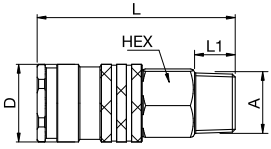
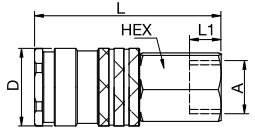
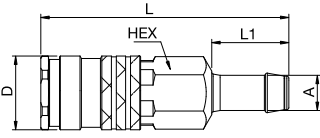
Water





Couplings – with valve

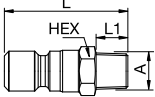
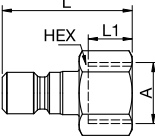
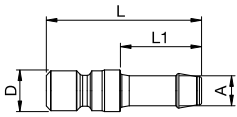
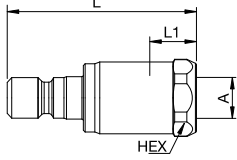
Series 1300KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	R 1/4	19		58	12		22				1300KAAK13MPN
	R 3/8	19		56	12		22				1300KAAK17MPN
	R 1/2	23		59	14		26				1300KAAK21MPN
 Female Thread	G 1/4	19		55	9		22				1300KAIW13MPN
	G 3/8	20		55	10		22				1300KAIW17MPN
 Hose Barb	6 mm	19		78	23		22				1300KATF06MPN
	8 mm	19		78	23		22				1300KATF08MPN
	10 mm	19		78	23		22				1300KATF10MPN
	13 mm	19		77	24		22				1300KATF13MPN



Plugs – without valve

Series 1300KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	R 1/8	13		35	9						1300SFAK10SXZ
	R 1/4	17		38	12						1300SFAK13SXZ
	G 1/4	17		35	12						1300SFAW13SXZ
	R 3/8	17		38	12						1300SFAK17SXZ
	R 1/2	22		40	14						1300SFAK21SXZ
 Female Thread	G 1/8	13		32	8,5						1300SFIW10SXZ
	G 1/4	17		36	10						1300SFIW13SXZ
	G 3/8	22		36	10						1300SFIW17SXZ
	G 1/2	27		39	12						1300SFIW21SXZ
 Hose Barb	6 mm			44	23		12				1300SFTF06SXZ
	8 mm			44	23		12				1300SFTF08SXZ
	10 mm			44	24		12				1300SFTF10SXZ
	12 mm			47	23		12				1300SFTF12SXZ
 Recoil Eliminator, with Female Thread	G 1/4	20		53	12						1300SRIW13SXZ



Couplings – with valve

Series 1300KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
<p>Male Thread</p>	R 3/8	18		49	7,5		22				1300KBAK17MPN
<p>Female Thread</p>	G 1/4	18		49	8		22				1300KBIW13MPN
	G 3/8	18		50	8		22				1300KBIW17MPN



Plugs – with valve

Series 1300KB





	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
<p>Female Thread</p>	G 1/4	18		44	9						1300SBIW13MPC

Protective Sleeve

Series 1300KB

	Description	L mm	L1 mm	L2 mm	D mm	B mm	Material	Color	Part Number
<p>Female Thread</p>	for Couplings 1300KB	73			33		EBA	blue	1300-351

Cross-Reference-List

Connection	Thread	Rectus Part Number old	Tema Part Number old	Part Number new	Page
 Couplings – with valve					
Male Thread	R 1/4	31KAAK13SPN	1300 EC	1300KAAK13MPN	75
	R 3/8	31KAAK17SPN	1300 EA	1300KAAK17MPN	75
	R 1/2	31KAAK21SPN	1300 ED	1300KAAK21MPN	75
Female Thread	G 1/4	31KAIW13SPN	1300 E	1300KAIW13MPN	75
	G 3/8	31KAIW17SPN	1300 EB	1300KAIW17MPN	75
Hose Barb	6 mm	31KATF06SPN	1300 EK06	1300KATF06MPN	75
	8 mm	31KATF08SPN	1300 EK08	1300KATF08MPN	75
	10 mm	31KATF10SPN	1300 EK10	1300KATF10MPN	75
	13 mm	31KATF13SPN	1300 EK12	1300KATF13MPN	75
 Plugs – without valve					
Male Thread	R 1/8	31SFAK10SXZ	13110-QC	1300SFAK10SXZ	75
	R 1/4	31SFAK13SXZ	13210 A	1300SFAK13SXZ	75
	G 1/4	31SFAW10SXZ	13210-QC	1300SFAW13SXZ	75
	R 3/8	31SFAK17SXZ	13220	1300SFAK17SXZ	75
	R 1/2	31SFAK21SXZ	13230	1300SFAK21SXZ	75
Female Thread	G 1/8	31SFIW10SXZ	13405	1300SFIW10SXZ	75
	G 1/4	31SFIW13SXZ	13410	1300SFIW13SXZ	75
	G 3/8	31SFIW17SXZ	13420	1300SFIW17SXZ	75
	G 1/2	31SFIW21SXZ	13430-QC	1300SFIW21SXZ	75
Hose Barb	6 mm	31SFTF06SXZ	13006	1300SFTF06SXZ	75
	8 mm	31SFTF08SXZ	13008-QC	1300SFTF08SXZ	75
	10 mm	31SFTF10SXZ	13010-QC	1300SFTF10SXZ	75
	12 mm	31SFTF13SXZ	13012-QC	1300SFTF12SXZ	75
Recoil Eliminator	G 1/4	-	13410 S	1300SRIW13SXZ	75
 Couplings – with valve					
Male Thread	R 3/8	-	1300 NA	1300KBAK17MPN	76
Female Thread	G 1/4	-	1300 N	1300KBIW13MPN	76
	G 3/8	-	1300 NB	1300KBIW17MPN	76
 Plugs – with valve					
Female Thread	G 1/4	-	13410 MN	1300SBIW13MPC	76

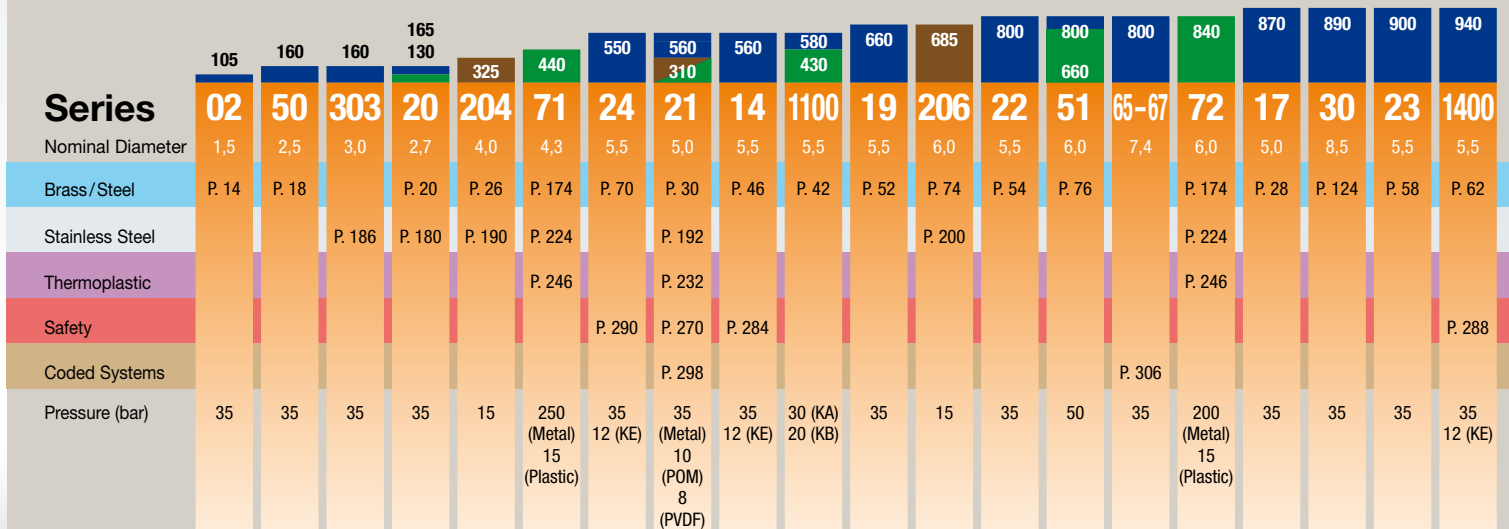
ALL OUR PERFORMANCE CAPACITY AT A GLANCE.

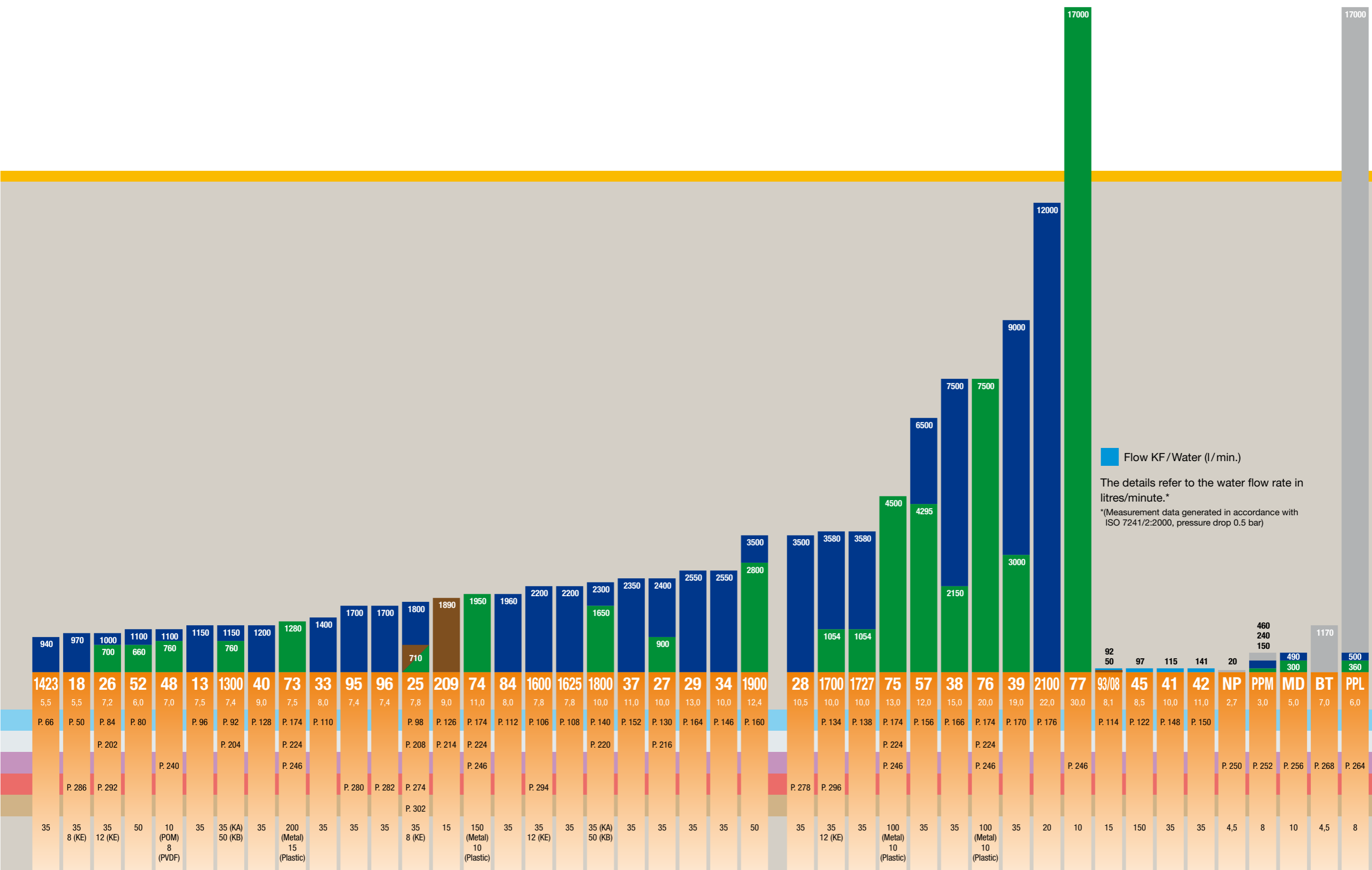
Using this flow rate diagram, you can identify at a glance the coupling series suited to your application and the corresponding operating pressure.

- Flow KL (l/min.) – leak-free coupling systems
- Flow KB (l/min.) – double shut-off coupling systems
- Flow KA (l/min.) – single shut-off coupling systems
- Flow KF (l/min.) – straight-through coupling systems

The details refer to the air flow rate in litres/minute.*

* (Measurement data generated in accordance with ISO 6358; CCTOP RP50P at input pressure 6 bar, pressure drop 0.5 bar)





Series

Brass/Steel
Stainless Steel
Thermoplastic
Safety
Coded Systems
Pressure (bar)



Parker's Motion & Control Technologies

At Parker, we're guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value. Whatever the motion and control technology need, Parker has the experience, breadth of product and global reach to consistently deliver. No company knows more about motion and control technology than Parker. For further info call 00800 27 27 5374



Aerospace Key Markets

- Aftermarket services
- Commercial transports
- Engines
- General & business aviation
- Helicopters
- Launch vehicles
- Military aircraft
- Missiles
- Power generation
- Regional transports
- Unmanned aerial vehicles

Key Products

- Control systems & actuation products
- Engine systems & components
- Fluid conveyance systems & components
- Fluid metering, delivery & atomization devices
- Fuel systems & components
- Fuel tank inerting systems
- Hydraulic systems & components
- Thermal management
- Wheels & brakes



Climate Control Key Markets

- Agriculture
- Air conditioning
- Construction Machinery
- Food & beverage
- Industrial machinery
- Life sciences
- Oil & gas
- Precision cooling
- Process
- Refrigeration
- Transportation

Key Products

- Accumulators
- Advanced actuators
- CO₂ controls
- Electronic controllers
- Filter driers
- Hand shut-off valves
- Heat exchangers
- Hose & fittings
- Pressure regulating valves
- Refrigerant distributors
- Safety relief valves
- Smart pumps
- Solenoid valves
- Thermostatic expansion valves



Electromechanical Key Markets

- Aerospace
- Factory automation
- Life science & medical
- Machine tools
- Packaging machinery
- Paper machinery
- Plastics machinery & converting
- Primary metals
- Semiconductor & electronics
- Textile
- Wire & cable

Key Products

- AC/DC drives & systems
- Electric actuators, gantry robots & slides
- Electrohydraulic actuation systems
- Electromechanical actuation systems
- Human machine interface
- Linear motors
- Stepper motors, servo motors, drives & controls
- Structural extrusions



Filtration Key Markets

- Aerospace
- Food & beverage
- Industrial plant & equipment
- Life sciences
- Marine
- Mobile equipment
- Oil & gas
- Power generation & renewable energy
- Process
- Transportation
- Water Purification

Key Products

- Analytical gas generators
- Compressed air filters & dryers
- Engine air, coolant, fuel & oil filtration systems
- Fluid condition monitoring systems
- Hydraulic & lubrication filters
- Hydrogen, nitrogen & zero air generators
- Instrumentation filters
- Membrane & fiber filters
- Microfiltration
- Sterile air filtration
- Water desalination & purification filters & systems



Fluid & Gas Handling

Key Markets

- Aerial lift
- Agriculture
- Bulk chemical handling
- Construction machinery
- Food & beverage
- Fuel & gas delivery
- Industrial machinery
- Life sciences
- Marine
- Mining
- Mobile
- Oil & gas
- Renewable energy
- Transportation

Key Products

- Check valves
- Connectors for low pressure fluid conveyance
- Deep sea umbilicals
- Diagnostic equipment
- Hose couplings
- Industrial hose
- Mooring systems & power cables
- PTFE hose & tubing
- Quick couplings
- Rubber & thermoplastic hose
- Tube fittings & adapters
- Tubing & plastic fittings



Hydraulics

Key Markets

- Aerial lift
- Agriculture
- Alternative energy
- Construction machinery
- Forestry
- Industrial machinery
- Machine tools
- Marine
- Material handling
- Mining
- Oil & gas
- Power generation
- Refuse vehicles
- Renewable energy
- Truck hydraulics
- Turf equipment

Key Products

- Accumulators
- Cartridge valves
- Electrohydraulic actuators
- Human machine interfaces
- Hybrid drives
- Hydraulic cylinders
- Hydraulic motors & pumps
- Hydraulic systems
- Hydraulic valves & controls
- Hydrostatic steering
- Integrated hydraulic circuits
- Power take-offs
- Power units
- Rotary actuators
- Sensors



Pneumatics

Key Markets

- Aerospace
- Conveyor & material handling
- Factory automation
- Life science & medical
- Machine tools
- Packaging machinery
- Transportation & automotive

Key Products

- Air preparation
- Brass fittings & valves
- Manifolds
- Pneumatic accessories
- Pneumatic actuators & grippers
- Pneumatic valves & controls
- Quick disconnects
- Rotary actuators
- Rubber & thermoplastic hose & couplings
- Structural extrusions
- Thermoplastic tubing & fittings
- Vacuum generators, cups & sensors



Process Control

Key Markets

- Alternative fuels
- Biopharmaceuticals
- Chemical & refining
- Food & beverage
- Marine & shipbuilding
- Medical & dental
- Microelectronics
- Nuclear Power
- Offshore oil exploration
- Oil & gas
- Pharmaceuticals
- Power generation
- Pulp & paper
- Steel
- Water/wastewater

Key Products

- Analytical Instruments
- Analytical sample conditioning products & systems
- Chemical injection fittings & valves
- Fluoropolymer chemical delivery fittings, valves & pumps
- High purity gas delivery fittings, valves, regulators & digital flow controllers
- Industrial mass flow meters/controllers
- Permanent no-weld tube fittings
- Precision industrial regulators & flow controllers
- Process control double block & bleeds
- Process control fittings, valves, regulators & manifold valves



Sealing & Shielding

Key Markets

- Aerospace
- Chemical processing
- Consumer
- Fluid power
- General industrial
- Information technology
- Life sciences
- Microelectronics
- Military
- Oil & gas
- Power generation
- Renewable energy
- Telecommunications
- Transportation

Key Products

- Dynamic seals
- Elastomeric o-rings
- Electro-medical instrument design & assembly
- EMI shielding
- Extruded & precision-cut, fabricated elastomeric seals
- High temperature metal seals
- Homogeneous & inserted elastomeric shapes
- Medical device fabrication & assembly
- Metal & plastic retained composite seals
- Shielded optical windows
- Silicone tubing & extrusions
- Thermal management
- Vibration dampening

ENGINEERING YOUR SUCCESS.

Parker Worldwide

AE – UAE, Dubai
Tel: +971 4 8127100
parker.me@parker.com

AR – Argentina, Buenos Aires
Tel: +54 3327 44 4129

AT – Austria, Wiener Neustadt
Tel: +43 (0)2622 23501-0
parker.austria@parker.com

AT – Eastern Europe, Wiener Neustadt
Tel: +43 (0)2622 23501 900
parker.easteurope@parker.com

AU – Australia, Castle Hill
Tel: +61 (0)2-9634 7777

AZ – Azerbaijan, Baku
Tel: +994 50 2233 458
parker.azerbaijan@parker.com

BE/LU – Belgium, Nivelles
Tel: +32 (0)67 280 900
parker.belgium@parker.com

BR – Brazil, Cachoeirinha RS
Tel: +55 51 3470 9144

BY – Belarus, Minsk
Tel: +375 17 209 9399
parker.belarus@parker.com

CA – Canada, Milton, Ontario
Tel: +1 905 693 3000

CH – Switzerland, Etoy
Tel: +41 (0)21 821 87 00
parker.switzerland@parker.com

CL – Chile, Santiago
Tel: +56 2 623 1216

CN – China, Shanghai
Tel: +86 21 2899 5000

CZ – Czech Republic, Klecany
Tel: +420 284 083 111
parker.czechrepublic@parker.com

DE – Germany, Kaarst
Tel: +49 (0)2131 4016 0
parker.germany@parker.com

DK – Denmark, Ballerup
Tel: +45 43 56 04 00
parker.denmark@parker.com

ES – Spain, Madrid
Tel: +34 902 330 001
parker.spain@parker.com

FI – Finland, Vantaa
Tel: +358 (0)20 753 2500
parker.finland@parker.com

FR – France, Contamine s/Arve
Tel: +33 (0)4 50 25 80 25
parker.france@parker.com

GR – Greece, Athens
Tel: +30 210 933 6450
parker.greece@parker.com

HK – Hong Kong
Tel: +852 2428 8008

HU – Hungary, Budapest
Tel: +36 1 220 4155
parker.hungary@parker.com

IE – Ireland, Dublin
Tel: +353 (0)1 466 6370
parker.ireland@parker.com

IN – India, Mumbai
Tel: +91 22 6513 7081-85

IT – Italy, Corsico (MI)
Tel: +39 02 45 19 21
parker.italy@parker.com

JP – Japan, Tokyo
Tel: +81 (0)3 6408 3901

KR – South Korea, Seoul
Tel: +82 2 559 0400

KZ – Kazakhstan, Almaty
Tel: +7 7272 505 800
parker.easteurope@parker.com

MX – Mexico, Apodaca
Tel: +52 81 8156 6000

MY – Malaysia, Shah Alam
Tel: +60 3 7849 0800

NL – The Netherlands, Oldenzaal
Tel: +31 (0)541 585 000
parker.nl@parker.com

NO – Norway, Asker
Tel: +47 66 75 34 00
parker.norway@parker.com

NZ – New Zealand, Mt Wellington
Tel: +64 9 574 1744

PL – Poland, Warsaw
Tel: +48 (0)22 573 24 00
parker.poland@parker.com

PT – Portugal, Leca da Palmeira
Tel: +351 22 999 7360
parker.portugal@parker.com

RO – Romania, Bucharest
Tel: +40 21 252 1382
parker.romania@parker.com

RU – Russia, Moscow
Tel: +7 495 645-2156
parker.russia@parker.com

SE – Sweden, Spånga
Tel: +46 (0)8 59 79 50 00
parker.sweden@parker.com

SG – Singapore
Tel: +65 6887 6300

SK – Slovakia, Banská Bystrica
Tel: +421 484 162 252
parker.slovakia@parker.com

SL – Slovenia, Novo Mesto
Tel: +386 7 337 6650
parker.slovenia@parker.com

TH – Thailand, Bangkok
Tel: +662 717 8140

TR – Turkey, Istanbul
Tel: +90 216 4997081
parker.turkey@parker.com

TW – Taiwan, Taipei
Tel: +886 2 2298 8987

UA – Ukraine, Kiev
Tel: +380 44 494 2731
parker.ukraine@parker.com

UK – United Kingdom, Warwick
Tel: +44 (0)1926 317 878
parker.uk@parker.com

US – USA, Cleveland
Tel: +1 216 896 3000

VE – Venezuela, Caracas
Tel: +58 212 238 5422

ZA – South Africa, Kempton Park
Tel: +27 (0)11 961 0700
parker.southafrica@parker.com

European Product Information Centre
Free phone: 00 800 27 27 5374
(from AT, BE, CH, CZ, DE, EE, ES, FI, FR, IE, IL, IS, IT, LU, MT, NL, NO, PT, SE, SK, UK)



**Parker Hannifin Manufacturing
Germany GmbH & Co. KG**
Quick Coupling Division Europe
Daimlerstr. 7
71735 Eberdingen – Germany
Phone +49 7042 100 0
Fax +49 7042 100 147
www.rectus.de