

SIN LING is a professional connector manufacturer founded in 1977, specializing in the production of high-quality connectors and fittings for compressed air, hydraulic systems, and pipes.

Whether you require standardized connectors or customized products, we can meet your needs. We are renowned for our high quality, flexibility, and customized services, aiming to become your reliable partner in the field of connectors.





A dedicated team supports product development, offering customized and standardized high-quality connectors and fittings, including OEM/ODM services. Regardless of application requirements, SIN LING is committed to providing customers with optimal

solutions, ensuring equipment and systems achieve peak performance.





Why choose SIN LING?



IATF 16949 certificate, ensuring outstanding and stable quality.



Advanced production equipments to enhance production efficiency.



Flexible production to meet diverse customer needs.



Strict process control to ensure the excellence of every product.



100% on-time delivery, reliable delivery commitments.









Utilizing globally leading multi-axis machining equipments and CNC lathes to achieve high efficiency and flexibility in production.



Employing the Heijunka production method to ensure a 100% on-time delivery rate.



Implementing an Automated Storage and Retrieval System to maintain ample inventory, enhancing shipping efficiency and accuracy to meet your demands.



Offering customized solutions to address your specific business needs.

Swiss Equipment **Pfiffner**



- 16 highly efficient machining stations
- 6 seconds to complete the production of a workpiece
- Max Ø 45 mm

Swiss Equipment-Pfiffner boasts advanced production facilities with a total of 16 highly efficient machining stations, each equipped with unique functions allowing simultaneous execution of 16 different processes.

Its automated production system can complete the production of a workpiece in an average time of 6 seconds, cleverly integrated with robotic arms to achieve a highly intelligent manufacturing process.

To ensure production quality, the equipment is equipped with a tool life monitoring system and strict quality control mechanisms to prevent the generation of defective products. This effectively enhances production efficiency and reduces production costs, making the production process more reliable and stable.



Currently, SIN LING has successfully introduced and deployed 6 of these advanced devices, significantly increasing overall production capacity.

This not only addresses the rapid growth of a large number of orders but also ensures the delivery of high-quality products. Overall, the implementation of Swiss Equipment-Pfiffner provides the company with tremendous production flexibility and adaptability, allowing it to efficiently meet market demands in a short period.

Italian Equipment **Gnutti**



- Can handle workpieces with a maximum diameter of 100mm
- Quickly produce tees, forged connectors and other parts in 6 seconds

Gnutti's Italian multi-axis machining center is an efficient production device capable of handling workpieces with a maximum diameter of 100mm. Equipped with intelligent robotic arms, it can rapidly produce components such as tees and forged connectors, with each piece taking only 6 seconds.

This machine model is suitable for large workpieces, featuring high precision and quality, user-friendly operation, and providing an excellent machining solution.

Japanese Equipment DMG MORI



- Turning and milling capabilities
- High-precision machining capabilities
- Max Ø 51 mm

This equipment is designed specifically for handling more complex workpieces, offering flexible machining capabilities such as turning and milling.

It not only operates swiftly but also possesses outstanding high-precision machining capabilities.

In summary, this machine can rapidly and accurately handle various intricate machining tasks.

Spanish Equipment **Neotecman**





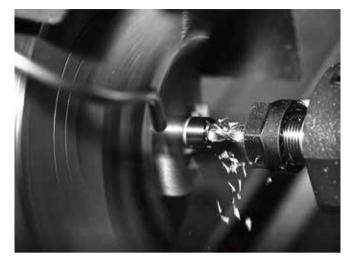
seamless processing ensures high precision and quality

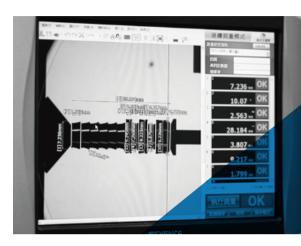
We have introduced the Neotecman fully automatic/all-in-one burr free forging machine from Spain, bringing significant advantages to our company. This advanced equipment not only enhances production efficiency but also saves costs.

The fully automatic operation and all-in-one processing of Neotecman machines simplify the production process, while the seamless processing ensures high precision and quality.



Process Control Capability





SIN LING possesses advanced process control capabilities, including advanced tool monitoring systems, tool lifespan control systems, and reliable error prevention methods. The application of these control systems enables comprehensive monitoring of the production process, ensuring that the tools operate in optimal conditions and effectively preventing various errors that could lead to quality issues.

Through these systems, we can proactively prevent potential quality problems, ensuring the stability of the production process. This effectively reduces the output of defective products and guarantees the quality standards of our products.

In summary, these advanced process control measures ensure the smooth operation of our production process, maximizing product quality and production efficiency.



Inspection Instruments

We possess comprehensive inspection instruments, including ring gauges, plug gauges, contour measurement devices, image inspection equipment, and more. This ensures that each of our products adheres to the highest quality standards with strict incoming inspections, in-process checks every two hours, and outgoing inspections, we ensure that each product meets or even exceeds customer expectations at every stage



HNBR O-Rings

Rated for -40° to 150°C: maintains sealing elasticity in the hot & cold.

Brass Body

Impact-resistant and durable for harsh, demanding applications.

Loctite 516 pre-applied

Factory-applied to speed installation.

Tube Support

Rigid fixed insert delivers excellent side-load support.

Push-to-Connect Collet

Faster, easier install and service than compression fittings.

Swivel

Reinforced swivel construction for durability, safety, and reliability.

Technical Summary

Tube OD 1/4"-1/2", 6-12 mm (others on request)

Thread Type NPTF male (others on request)

Working Pressure

0-150 PSI (0-10 bar)

Temperature -40°C to +100°C (-40°F to 212°F)

Applications

- · Commercial trucks, trailers, and buses
- OEM brake line assembly
- Aftermarket distribution
- · Fleet maintenance kits





Why SINLING

IATF 16949 Production

Multi-spindle machining, full traceability, and continuous improvement

Safety by Design

Safety-designed collet with critical dimensions validated through DFMEA and monitored by a Control Plan

Proven Reliability

Internal boiling-water pull test & vibration test reports confirm retention strength

Certified Compliance

DOT FMVSS 571.106, SAE J1131, SAE J2494-3, and officially listed in the AMECA Compliance Report

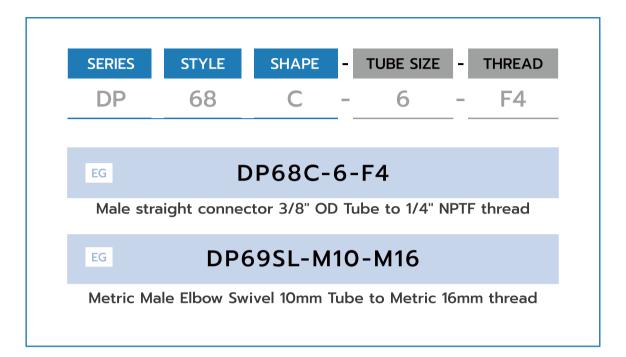
Ready for Assembly

NPTF male threads; compatible with SAE J844 Type A/B and DIN 74324 tubing

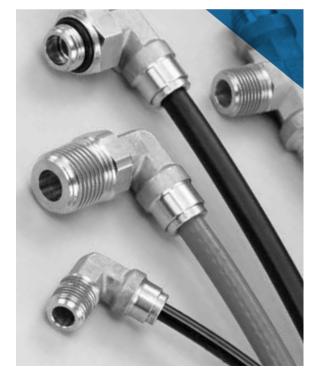


PART NUMBERING GUIDE

The part numbers for our DOT air brake push-in fittings follow the structure below. See the example and the meaning of each segment.









PART No	TUBE O.D.		
DP62C-4	1/4		
DP62C-6	3/8		
DP62C-8	1/2		

UNION



DOT-由任接頭

PART No	TUBE O.D. MM
DP62C-M06	6
DP62C-M08	8
DP62C-M10	10
DP62C-M12	12

UNION TEE



DOT-由任三通

PART No	TUBE O.D.		
DP64T-4	1/4		
DP64T-6	3/8		
DP64T-8	1/2		

UNION TEE



DOT-由任三通

PART No	TUBE O.D. MM
DP64T-M06	6
DP64T-M08	8
DP64T-M10	10
DP64T-M12	12

UNION ELBOW DOT- 由任彎頭 PART No TUBE O.D. DP65L-4 1/4 DP65L-6 3/8 DP65L-8 1/2

UNION ELBOW	
DOT-由任彎頭	
PART No	TUBE O.D. MM
DP65L-M06	6
DP65L-M08	8
DP65L-M10	10
DP65L-M12	12





MALE

MALE CONNECTOR



DOT-M 外牙接頭

PART No	TUBE O.D.	METRIC THREAD
DP68C-4-M12	1/4	M12×1.5
DP68C-6-M12	3/8	M12×1.5
DP68C-6-M16		M16X1.5
DP68C-6-M22		M22x1.5
DP68C-8-M16	1/2	M16X1.5
DP68C-8-M22		M22x1.5

MALE CONNECTOR



DOT-BSPT 外牙接頭

PART No	TUBE O.D. MM	BSPT THREAD
DP68C-M06-R4	6	1/4
DP68C-M08-R6	8	3/8
DP68C-M08-R8		1/2
DP68C-M10-R4	10	1/4
DP68C-M12-R6	12	3/8
DP68C-M12-R8		1/2

MALE CONNECTOR



DOT-NPTF 外牙接頭

PART No	TUBE O.D. MM	NPTF THREAD
DP68C-M06-F2		1/8
DP68C-M06-F4	6	1/4
DP68C-M06-F6	O	3/8
DP68C-M06-F8		1/2
DP68C-M08-F2		1/8
DP68C-M08-F4	8	1/4
DP68C-M08-F6		3/8
DP68C-M10-F4	10	1/4
DP68C-M10-F6		3/8
DP68C-M10-F8		1/2
DP68C-M12-F4	12	1/4
DP68C-M12-F6		3/8
DP68C-M12-F8		1/2

MALE CONNECTOR



DOT-M 外牙接頭

PART No	TUBE O.D. MM	METRIC THREAD
DP68C-M04-M12	4	M12x1.5
DP68C-M06-M12	6	M12x1.5
DP68C-M06-M16		M16X1.5
DP68C-M06-M22		M22x1.5
DP68C-M08-M16	8	M16X1.5
DP68C-M08-M22		M22×1.5

MALE ELBOW

DOT-NPTF 外牙彎頭

PART No	TUBE O.D.	NPTF THREAD
DP69L-4-F2		1/8
DP69L-4-F4	1/4	1/4
DP69L-4-F6	174	3/8
DP69L-4-F8		1/2
DP69L-6-F2	3/8	1/8
DP69L-6-F4		1/4
DP69L-6-F6		3/8
DP69L-6-F8		1/2
DP69L-8-F4	1/2	1/4
DP69L-8-F6		3/8
DP69L-8-F8		1/2

MALE ELBOW -SWIVEL



DOT-NPTF 外牙旋轉彎頭

PART No	TUBE O.D.	NPTF THREAD
DP69SL-4-F2		1/8
DP69SL-4-F4	1/4	1/4
DP69SL-4-F6	1/4	3/8
DP69SL-4-F8		1/2
DP69SL-6-F2	3/8	1/8
DP69SL-6-F4		1/4
DP69SL-6-F6		3/8
DP69SL-6-F8		1/2
DP69SL-8-F4	1/2	1/4
DP69SL-8-F6		3/8
DP69SL-8-F8		1/2

MALE ELBOW -SWIVEL



DOT-NPTF 外牙旋轉彎頭

PART No	TUBE O.D. MM	NPTF THREAD
DP69SL-M06-F2		1/8
DP69SL-M06-F4	6	1/4
DP69SL-M06-F6	O	3/8
DP69SL-M06-F8		1/2
DP69SL-M08-F4	8	1/4
DP69SL-M08-F6	0	3/8
DP69SL-M10-F4		1/4
DP69SL-M10-F6	10	3/8
DP69SL-M10-F8		1/2
DP69SL-M12-F4		1/4
DP69SL-M12-F6	12	3/8
DP69SL-M12-F8		1/2

MALE ELBOW -SWIVEL

DOT-M 外牙旋轉彎頭



PART No	TUBE O.D.	METRIC THREAD
DP69SL-6-M12		M12x1.5
DP69SL-6-M16	3/8	M16X1.5
DP69SL-6-M22		M22×1.5

MALE ELBOW -SWIVEL

DOT-M 外牙旋轉彎頭



	$M10 \times 1.0$
	$M12 \times 1.5$
O	M16×1.5
	M22×1.5
8	M12×1.5
	M16×1.5
	$M22 \times 1.5$
10	M12×1.5
	$M16 \times 1.5$
	M22×1.5
12	M12×1.5
	M16×1.5
	M22×1.5
	10

FEMALE ELBOW

DOT-NPTF 內牙彎頭



PART No	TUBE O.D.	NPTF THREAD
DP70L-4-F2	1/4	1/8
DP70L-4-F4		1/4
DP70L-6-F2	3/8	1/8
DP70L-6-F4		1/4
DP70L-6-F6		3/8
DP70L-8-F4	1/2	1/4
DP70L-8-F6		3/8
DP70L-8-F8		1/2

MALE RUN TEE

DOT-NPTF 牙邊三通



PART No	TUBE O.D.	NPTF THREAD
DP71T-4-F2	1/4	1/8
DP71T-4-F4		1/4
DP71T-6-F4	3/8	1/4
DP71T-6-F6		3/8
DP71T-8-F6	1/2	3/8
DP71T-8-F8		1/2

MALE RUN TEE -SWIVEL

DOT-NPTF 牙邊旋轉三通



PART No	TUBE O.D.	NPTF THREAD
DP71ST-4-F2		1/8
DP71ST-4-F4	1/4	1/4
DP71ST-4-F6		3/8
DP71ST-6-F4	3/8	1/4
DP71ST-6-F6		3/8
DP71ST-8-F4	1/2	1/4
DP71ST-8-F6		3/8
DP71ST-8-F8		1/2

MALE RUN TEE -SWIVEL

DOT-M

DP71ST-M12-M16

DP71ST-M12-M22



12

MALE **BRANCH** TEE

DOT-NPTF 外牙牙中三通



PART No	TUBE O.D.	NPTF THREAD
DP72T-4-F2	1/4	1/8
DP72T-4-F4		1/4
DP72T-4-F6		3/8
DP72T-6-F2	3/8	1/8
DP72T-6-F4		1/4
DP72T-6-F6		3/8
DP72T-6-F8		1/2
DP72T-8-F4	1/2	1/4
DP72T-8-F6		3/8
DP72T-8-F8		1/2

MALE BRANCH TEE -SWIVEL

DOT-NPTF 外牙牙中旋轉三通



 $M16 \times 1.5$

M22×1.5

PART No	TUBE O.D.	NPTF THREAD
DP72ST-4-F2		1/8
DP72ST-4-F4	1/4	1/4
DP72ST-4-F6		3/8
DP72ST-6-F2		1/8
DP72ST-6-F4	3/8	1/4
DP72ST-6-F6		3/8
DP72ST-8-F4	1/2	1/4
DP72ST-8-F6		3/8
DP72ST-8-F8		1/2

MALE BRANCH TEE -SWIVEL

DOT-M 外牙牙中旋轉三通



PART No	TUBE O.D. MM	METRIC THREAD
DP72ST-M06-M12	6	M12×1.5
DP72ST-M10-M16	10	M16×1.5
DP72ST-M12-M16	12	M16×1.5
DP72ST-M12-M22		M22×1.5

45° MALE ELBOW

DOT-NPTF 外牙 45°彎頭



PART No	TUBE O.D.	NPTF THREAD
DP79L-4-F2	1/4	1/8
DP79L-4-F4		1/4
DP79L-4-F6		3/8
DP79L-6-F2	3/8	1/8
DP79L-6-F4		1/4
DP79L-6-F6		3/8
DP79L-6-F8		1/2
DP79L-8-F4	1/2	1/4
DP79L-8-F6		3/8
DP79L-8-F8		1/2

45° MALE ELBOW -SWIVEL

DOT-NPTF 外牙 45°旋轉彎頭



PART No	TUBE O.D.	NPTF THREAD
DP79SL-4-F2		1/8
DP79SL-4-F4	1/4	1/4
DP79SL-4-F6		3/8
DP79SL-6-F2	3/8	1/8
DP79SL-6-F4		1/4
DP79SL-6-F6		3/8
DP79SL-6-F8		1/2
DP79SL-8-F4	1/2	1/4
DP79SL-8-F6		3/8
DP79SL-8-F8		1/2







