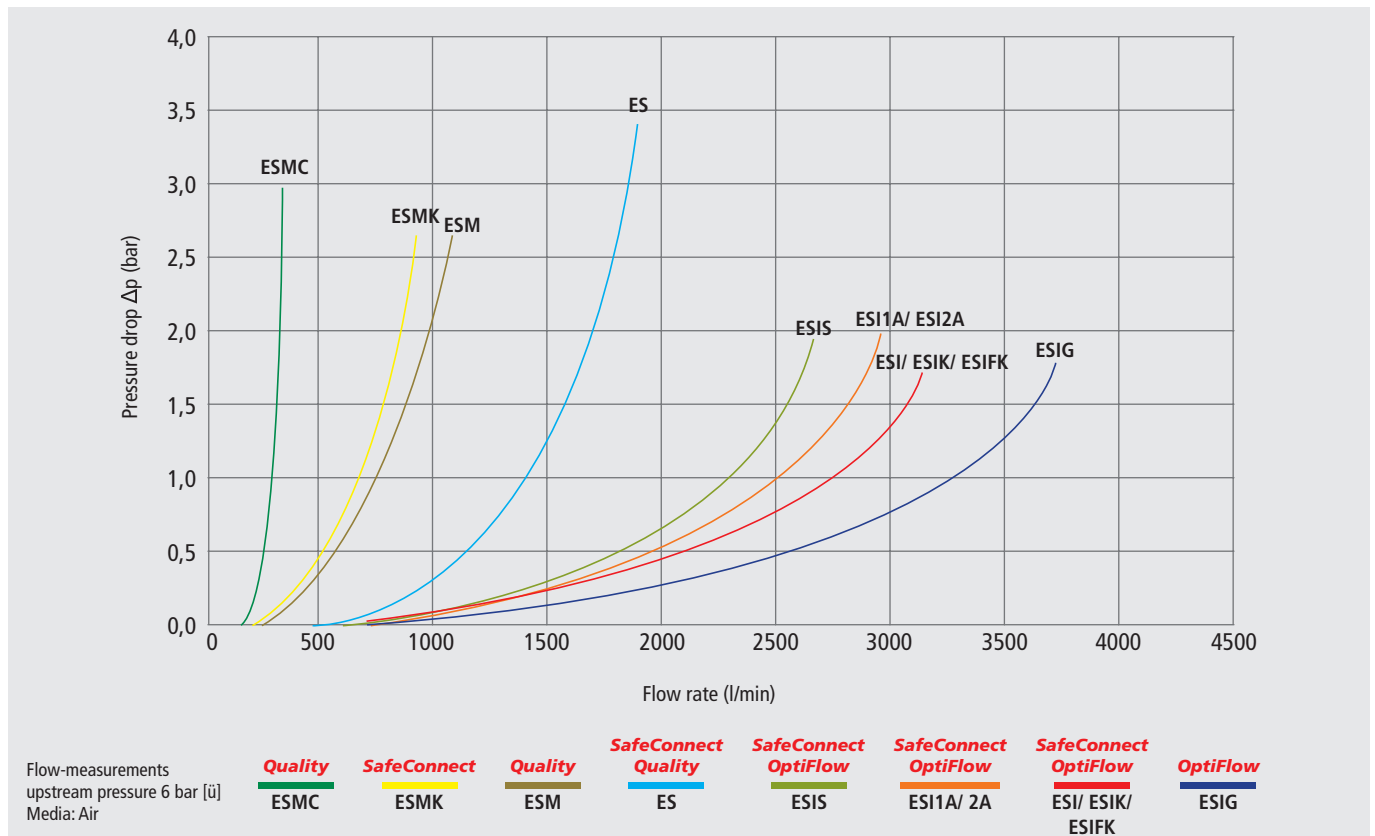


The flow rates of our coupling systems are summarized in the following chart.



Testing Panel

To train and thoroughly test our quick connect couplings, we developed Testing Panels. These sample bars represent the quick connect coupling series from DN 2.7 up to DN 10 of our **Quality-**, **OptiFlow-** and **SafeConnect-Line** as well as the MODY spiral hoses under pressure.

Your advantages:

- Extensive information about each product and how they work
- Testing high-quality products under real life conditions (the coupling procedure may be executed with media passing through the lines)
- Multilingual: German and English (on request, also in other languages)

Product Information

Functional Description

Application Possibilities (coupling)

Compressed Air Connection

Since 1930. The perfect connection.

TESTING PANEL Pneumatics

Quick Connect Couplings with Standard Plug Profiles

To supply compressed air in industry and laboratories, pneumatic, measurement, control and regulation technique

Series: ESMC ESM ES ESIS ESIG

Material: DIN 2.2 DIN 3 DIN 3.2 DIN 7.5 DIN 7.8 DIN 10

Material: 1.4571 1.4572 1.4573 1.4574 1.4575 1.4576

Material: 1.4577 1.4578 1.4579 1.4580 1.4581 1.4582

Material: 1.4583 1.4584 1.4585 1.4586 1.4587 1.4588

Material: 1.4589 1.4590 1.4591 1.4592 1.4593 1.4594

Material: 1.4595 1.4596 1.4597 1.4598 1.4599 1.4600

Material: 1.4601 1.4602 1.4603 1.4604 1.4605 1.4606

Material: 1.4607 1.4608 1.4609 1.4610 1.4611 1.4612

Material: 1.4613 1.4614 1.4615 1.4616 1.4617 1.4618

Material: 1.4619 1.4620 1.4621 1.4622 1.4623 1.4624

Material: 1.4625 1.4626 1.4627 1.4628 1.4629 1.4630

Material: 1.4631 1.4632 1.4633 1.4634 1.4635 1.4636

Material: 1.4637 1.4638 1.4639 1.4640 1.4641 1.4642

Material: 1.4643 1.4644 1.4645 1.4646 1.4647 1.4648

Material: 1.4649 1.4650 1.4651 1.4652 1.4653 1.4654

Material: 1.4655 1.4656 1.4657 1.4658 1.4659 1.4660

Material: 1.4661 1.4662 1.4663 1.4664 1.4665 1.4666

Material: 1.4667 1.4668 1.4669 1.4670 1.4671 1.4672

Material: 1.4673 1.4674 1.4675 1.4676 1.4677 1.4678

Material: 1.4679 1.4680 1.4681 1.4682 1.4683 1.4684

Material: 1.4685 1.4686 1.4687 1.4688 1.4689 1.4690

Material: 1.4691 1.4692 1.4693 1.4694 1.4695 1.4696

Material: 1.4697 1.4698 1.4699 1.4700 1.4701 1.4702

Material: 1.4703 1.4704 1.4705 1.4706 1.4707 1.4708

Material: 1.4709 1.4710 1.4711 1.4712 1.4713 1.4714

Material: 1.4715 1.4716 1.4717 1.4718 1.4719 1.4720

Material: 1.4721 1.4722 1.4723 1.4724 1.4725 1.4726

Material: 1.4727 1.4728 1.4729 1.4730 1.4731 1.4732

Material: 1.4733 1.4734 1.4735 1.4736 1.4737 1.4738

Material: 1.4739 1.4740 1.4741 1.4742 1.4743 1.4744

Material: 1.4745 1.4746 1.4747 1.4748 1.4749 1.4750

Material: 1.4751 1.4752 1.4753 1.4754 1.4755 1.4756

Material: 1.4757 1.4758 1.4759 1.4760 1.4761 1.4762

Material: 1.4763 1.4764 1.4765 1.4766 1.4767 1.4768

Material: 1.4769 1.4770 1.4771 1.4772 1.4773 1.4774

Material: 1.4775 1.4776 1.4777 1.4778 1.4779 1.4780

Material: 1.4781 1.4782 1.4783 1.4784 1.4785 1.4786

Material: 1.4787 1.4788 1.4789 1.4790 1.4791 1.4792

Material: 1.4793 1.4794 1.4795 1.4796 1.4797 1.4798

Material: 1.4799 1.4800 1.4801 1.4802 1.4803 1.4804

Material: 1.4805 1.4806 1.4807 1.4808 1.4809 1.4810

Material: 1.4811 1.4812 1.4813 1.4814 1.4815 1.4816

Material: 1.4817 1.4818 1.4819 1.4820 1.4821 1.4822

Material: 1.4823 1.4824 1.4825 1.4826 1.4827 1.4828

Material: 1.4829 1.4830 1.4831 1.4832 1.4833 1.4834

Material: 1.4835 1.4836 1.4837 1.4838 1.4839 1.4840

Material: 1.4841 1.4842 1.4843 1.4844 1.4845 1.4846

Material: 1.4847 1.4848 1.4849 1.4850 1.4851 1.4852

Material: 1.4853 1.4854 1.4855 1.4856 1.4857 1.4858

Material: 1.4859 1.4860 1.4861 1.4862 1.4863 1.4864

Material: 1.4865 1.4866 1.4867 1.4868 1.4869 1.4870

Material: 1.4871 1.4872 1.4873 1.4874 1.4875 1.4876

Material: 1.4877 1.4878 1.4879 1.4880 1.4881 1.4882

Material: 1.4883 1.4884 1.4885 1.4886 1.4887 1.4888

Material: 1.4889 1.4890 1.4891 1.4892 1.4893 1.4894

Material: 1.4895 1.4896 1.4897 1.4898 1.4899 1.4900

Material: 1.4901 1.4902 1.4903 1.4904 1.4905 1.4906

Material: 1.4907 1.4908 1.4909 1.4910 1.4911 1.4912

Material: 1.4913 1.4914 1.4915 1.4916 1.4917 1.4918

Material: 1.4919 1.4920 1.4921 1.4922 1.4923 1.4924

Material: 1.4925 1.4926 1.4927 1.4928 1.4929 1.4930

Material: 1.4931 1.4932 1.4933 1.4934 1.4935 1.4936

Material: 1.4937 1.4938 1.4939 1.4940 1.4941 1.4942

Material: 1.4943 1.4944 1.4945 1.4946 1.4947 1.4948

Material: 1.4949 1.4950 1.4951 1.4952 1.4953 1.4954

Material: 1.4955 1.4956 1.4957 1.4958 1.4959 1.4960

Material: 1.4961 1.4962 1.4963 1.4964 1.4965 1.4966

Material: 1.4967 1.4968 1.4969 1.4970 1.4971 1.4972

Material: 1.4973 1.4974 1.4975 1.4976 1.4977 1.4978

Material: 1.4979 1.4980 1.4981 1.4982 1.4983 1.4984

Material: 1.4985 1.4986 1.4987 1.4988 1.4989 1.4990

Material: 1.4991 1.4992 1.4993 1.4994 1.4995 1.4996

Material: 1.4997 1.4998 1.4999 1.5000 1.5001 1.5002

Material: 1.5003 1.5004 1.5005 1.5006 1.5007 1.5008

Material: 1.5009 1.5010 1.5011 1.5012 1.5013 1.5014

Material: 1.5015 1.5016 1.5017 1.5018 1.5019 1.5020

Material: 1.5021 1.5022 1.5023 1.5024 1.5025 1.5026

Material: 1.50

Overview of Quick Connect Couplings with

Quality-Line

OptiFlow-Line

Series

ESMC
DN 2.7

ESM
DN 5

ES
DN 7.2

ESI
DN 7.8

ESIS*
DN 7.8

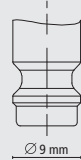
ESIG
DN 10

ESG
DN 19

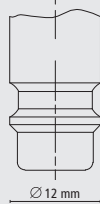
Plug Profile
(original size)



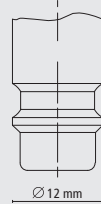
Ø 5 mm



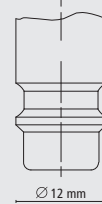
Ø 9 mm



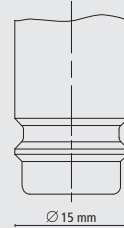
Ø 12 mm



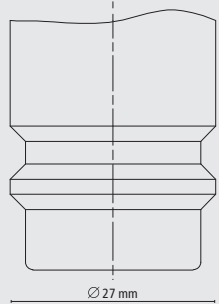
Ø 12 mm



Ø 12 mm



Ø 15 mm



Ø 27 mm



Materials:

Body:	MS 58 (plain/n-plated)	MS 58 (plain/n-plated)	MS 58 (plain/n-plated)	MS 58 nickel-plated	MS 58 nickel-plated	MS 58 nickel-plated	MS 58 plain
Sleeve:	MS 58 (plain/n-plated)	MS 58 (plain/n-plated)	MS 58 (plain/n-plated)	Steel hardened + nickel-pl.	Steel hardened + nickel-pl.	Steel hardened + nickel-pl.	MS 58 plain
Valve Body:	MS 58 (plain/n-plated)	MS 58 (plain/n-plated)	MS 58 (plain/n-plated)	MS 58 nickel-plated	MS 58 nickel-plated	MS 58 nickel-plated	MS 58 plain
Valve:	MS 58 (plain/n-plated)	MS 58 (plain/n-plated)	MS 58 (plain/n-plated)	MS 58 plain	MS 58 plain	MS 58 plain	MS 58 plain
Springs, Retaining ring:	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310
Balls:	Stainless Steel 1.3541	Stainless Steel 1.3541	-	Stainless Steel 1.4034	Stainless Steel 1.4034	Stainless Steel 1.4034	Stainless Steel 1.4034
Pins:	-	-	Stainless Steel 1.4305	-	-	-	-
Seals:	NBR	NBR	NBR	NBR	NBR	NBR	NBR
Special seals for other media on request:	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM	EPDM, FKM, FFKM
Plugs:	MS 58 (plain/nickel-plated)	MS 58 (plain/nickel-plated)/steel zinc-plated	MS 58 (plain/nickel-plated)/steel zinc-plated	Steel hardened + nickel-plated	Steel hardened + nickel-plated	Steel hardened + nickel-plated	MS 58 plain
Max. Working Pressure:	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 12 bar	PN 35 bar	PN 35 bar
Temperature:	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C
Thread types:	ISO 228/ DIN 13	ISO 228/ DIN 13	ISO 228/ DIN EN 10226/ DIN 13	ISO 228/ DIN EN 10226	ISO 228/ DIN EN 10226	ISO 228/ DIN EN 10226	ISO 228
Flow rate: at 6 bar [ü] and 0.5 bar pressure drop single shut-off	165 l/min	510 l/min	1100 l/min	2000 l/min	1800 l/min	3200 l/min	8000 l/min
Type of valve:	single/ double/ straight-through	single/ double/ straight-through	single/ double/ straight-through	single/ double/ straight-through	single	single/ double/ straight-through	single/ double
Operation:	One-Hand	One-Hand	One-Hand	One-Hand	One-Hand	One-Hand	One-Hand
Interchange:	Parker Rectus Series 20	Parker Rectus Series 21	Parker Rectus Series 25/26 Cejn 320	Parker Rectus Series 25/26 Cejn 320	Parker Rectus Series 25/26 Cejn 320	Parker Rectus Series 27/41/1700 Cejn 410	Parker Rectus Series 39 Hansen 7000
Page:	32	37	43	54	68	59	62

European Plug Profiles

SafeConnect-Line

NEW!

ESIS*
DN 7.8

ES
DN 7.2

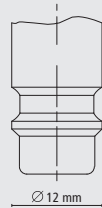
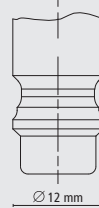
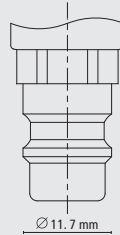
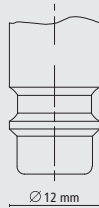
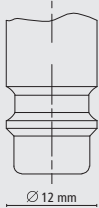
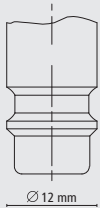
ESI*
DN 7.8

ESIK*
DN 7.8

ESI1A/2A*
DN 7.4

ESMK
DN 5

ESIFK*
DN 7.8



MS 58 nickel-plated	MS 58 plain	MS 58 nickel-plated	MS 58 nickel-plated	MS 58 nickel-plated	MS 58 plain	MS 58 plain
Steel hardened + nickel-pl.	MS 58 plain	Steel hardened + nickel-pl.	Steel hardened + nickel-pl.	MS 58 nickel-plated	Aluminium anodised	Aluminium anodised
MS 58 nickel-plated	MS 58 plain	MS 58 nickel-plated	MS 58 nickel-plated	MS 58 nickel-plated	MS 58 plain	MS 58 plain
MS 58 plain	MS 58 plain	MS 58 plain	MS 58 plain	MS 58 plain	MS 58 plain	MS 58 plain
Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310	Stainless Steel 1.4310
Stainless Steel 1.4034	-	Stainless Steel 1.4034	Stainless Steel 1.4034	Stainless Steel 1.4034	Stainless Steel 1.3541	Stainless Steel 1.4034
-	Stainless Steel 1.4305	-	-	-	-	-
NBR	NBR	NBR	NBR	NBR	NBR	NBR
EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM	EPDM, FKM, FFKM
Steel hardened + nickel-plated	MS 58 (plain/nickel-plated)/steel zinc-plated	Steel hardened + nickel-plated	Steel hardened + nickel-plated	MS 58 nickel-plated	MS 58 plain with anodized aluminium ring	MS 58 plain with anodized aluminium ring
PN 12 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar	PN 35 bar
-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C	-20°C – +100°C
ISO 228/ DIN EN 10226	ISO 228	ISO 228/ DIN EN 10226	ISO 228/ DIN EN 10226	ISO 228/ DIN EN 10226	ISO 228	ISO 228
1800 l/min	1100 l/min	2000 l/min	2000 l/min	1800 l/min	430 l/min	2000 l/min
single	single	single	single	single	single/ double	single
One-Hand	One-Hand	One-Hand	One-Hand	Two-Hands	One-Hand	One-Hand
Parker Rectus Series 25/26 Cejn 320	Parker Rectus Series 25/26 Cejn 320	Parker Rectus Series 25/26 Cejn 320	Parker Rectus Series 25/26, Cejn 320 Steinco Series 125	Parker Rectus Series 95/96 Cejn 320	Parker Rectus Series 21	Parker Rectus Series 25 KA
68	69	70	72	74/ 75	76	80
Self-Venting	Sleeve Lock Mechanism			Visual Identification		

* SafeConnect-Line + OptiFlow-Line