

Industrial Quick Connect Couplings

straight-through Series ESIG

- Top-quality, extreme robust one-hand quick connect couplings with high-class sealing made of brass MS 58 nickel-plated
- Straight-through passage for optimised flow capacity, particularly for water/ liquid applications
- Please connect with plug series ESIG DN 10 with straight-through passage (page 59)
- Very high flow rates with low pressure drop due to patented OptiFlow by **LUDECKE**® valve technology
- Suitable for low vacuum at low couple force compared to all other compatible products
- For compressed air supply in industry and handcraft at extraction points with extremely high flow rates for high-performance tools as well as in engineering and construction

Materials

- Body, valve body: Brass MS 58 nickel-plated
- Valve: Brass MS 58 plain
- Sleeve, plug: Hardened steel nickel-plated
- Seals: NBR (other materials on request)
- Springs: Stainless steel 1.4310
- Balls: Stainless steel 1.4034

Max. Working Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of valve	Media	Area	
PN 35 bar	-20°C – +100°C	10	ISO 228/DIN EN 10226	4000 l/min	One-hand	Straight-through	Air/Others	Europe	Coupl.5/Plug10

Couplings with tapered male thread (thread coated)

Thread connection	L	SW	D	L1	Weight	Type No.
R 1/4 m	63	24	27	12	135	ESIG 14 AO
R 3/8 m	63	24	27	12	143	ESIG 38 AO
R 1/2 m	65	24	27	17	147	ESIG 12 AO
R 3/4 m	65	27	27	17	155	ESIG 34 AO

Couplings with parallel female thread

Thread connection	L	SW	D	L1	Weight	Type No.
G 1/4 f	56	24	27	10	136	ESIG 14 IO
G 3/8 f	56	24	27	11	145	ESIG 38 IO
G 1/2 f	56	24	27	12	135	ESIG 12 IO
G 3/4 f	60	32	27	16	200	ESIG 34 IO

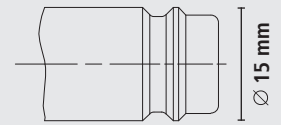
Couplings with hose barb

Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 9	76	24	27	25	150	ESIG 9 TO
Hose i.D. 10	76	24	27	25	150	ESIG 10 TO
Hose i.D. 13	76	24	27	25	152	ESIG 13 TO
Hose i.D. 16	76	24	27	25	152	ESIG 16 TO
Hose i.D. 19	76	24	27	25	160	ESIG 19 TO

For hose clips type ZOS (© page 130), type HS (© page 131) or crimping ferrules type LPH (© page 133)

DN 10

Plug Profile (original size)



Also in Stainless Steel
Series ESIGE
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