Industrial Quick Connect Couplings

single shut-off Series ESBI

- Top-quality, extreme robust one-hand quick connect couplings with British plug profile made of brass MS 58 nickel-plated
- High flow rates with low pressure drop due to patented OptiFlow by LUDECKE® valve technology
- Special versions on request i.e. couplings with straight-through or double shut-off valve
- For compressed air supply as well as liquid or gaseous media in industry and craftmanship

Materials

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

Max. Work. Pressure	Temperature	DN	Thread	Flow Rate	Operation	Type of Valve	Media	Area	9
PN 35 bar	-20°C – +100°C	5	ISO 228 / DIN EN 10226	950 l/min	One-hand	Single Shut-off	Div.	EU + UK	Coupl. 5 / Plug 10

Couplings with tapered male thread (thread coated)								
Thread connection	L	SW	D	L1	Weight	Type No.		
R 1/4 m	63	19	23	11	114	ESBI 14 A		
R 3/8 m	63	19	23	12	117	ESBI 38 A		
R 1/2 m	66	22	23	15	145	ESBI 12 A		

Couplings with parallel female thread								
Thread connection	L	SW	D	L1	Weight	Type No.		
G 1/4 f	60	19	23	10	117	ESBI 14 I		
G 3/8 f	60	19	23	10	111	ESBI 38 I		
G 1/2 f	62	24	23	12	146	ESBI 12 I		

Couplings with hos	e barb					
Hose connection	L	SW	D	L1	Weight	Type No.
Hose i.D. 6	76	19	23	25	107	ESBI 6 T
Hose i.D. 8	76	19	23	25	109	ESBI 8 T
Hose i.D. 10	76	19	23	25	110	ESBI 10 T
Hose i.D. 13	76	19	23	25	111	ESBI 13 T

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

Plugs with tapered male thread (thread coated)								
Thread connection	L	SW	L1	L2	Weight	Type No.		
R 1/8 m	37	11	9	28	16	ESBI 18 NAS		
R 1/4 m	40	14	12	28	20	ESBI 14 NAS		
R 3/8 m	40	17	12	28	25	ESBI 38 NAS		

Plugs with parallel female thread								
Thread connection	L	SW	L1	L2	Weight	Type No.		
G 1/8 f	35	14	7	28	18	ESBI 18 NIS		
G 1/4 f	37	17	9	28	26	ESBI 14 NIS		
G 3/8 f	37	19	9	28	27	ESBI 38 NIS		

Plugs with hose ba	rb					
Hose connection	L	D	L1	L2	Weight	Type No.
Hose i.D. 6	52	12	24	28	15	ESBI 6 SS
Hose i.D. 8	52	12	24	28	20	ESBI 8 SS
Hose i.D. 10	52	12	24	28	20	ESBI 10 SS

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

















