

R1 41 01 07 Technical Directive

Pneumatics directive for suppliers, erection companies, managers and users
Part 7: Selection piping

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Intended for the Location IJmuiden

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<u>Information on</u>

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Rubber hoses with 2 steelwire inlays, rub	ober cover without steel protection, with pressed R1 41 01 07
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on couplings.	R1 41 01 07 Pneumatics directive for suppliers, erection
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Temperature: -40 tot +93 °C.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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According DIN 20022.	R1 41 01 07 Pneumatics directive for suppliers, erection
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Couplings: see paragraph 7.3.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
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Couplings suitable for 24°/60° cones.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Tachnical proportion and1 (1)	DIN) Matarial hymat amazanna i - f tim ti
Technical properties see scheme (according	DIN). Material burst pressure is four times the R1 41 01 07
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maximum allowable working pressure.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Scheme 7.1	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

т 1 1	0 4 1 1	Mr. 1 d Mr. 1 d P
Inside diameter in	Outside diamete	· · · · · · · · · · · · · · · · · · ·
		Pneumatics directive for suppliers, erection companies, managers and users
		Part 7: Selection piping
		r r o
	corus	
	corus	

inch	mm	in mm	pressure in bar in mm
			Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		corus	

1/4	"	6.4	15.0		1600	1 41 01 (100	
				Pneum c	atics direc	tive for s	uppliers, erors and users or piping	ection
			corus					

3/8"	9.5	19.0	1320 P1 41 01 07 130
			Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		corus	

5/8"	15.9	25.4	1000 R1 41 01 07
			Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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3/4"	19.0	29.3	850 R1 41 01 07 240
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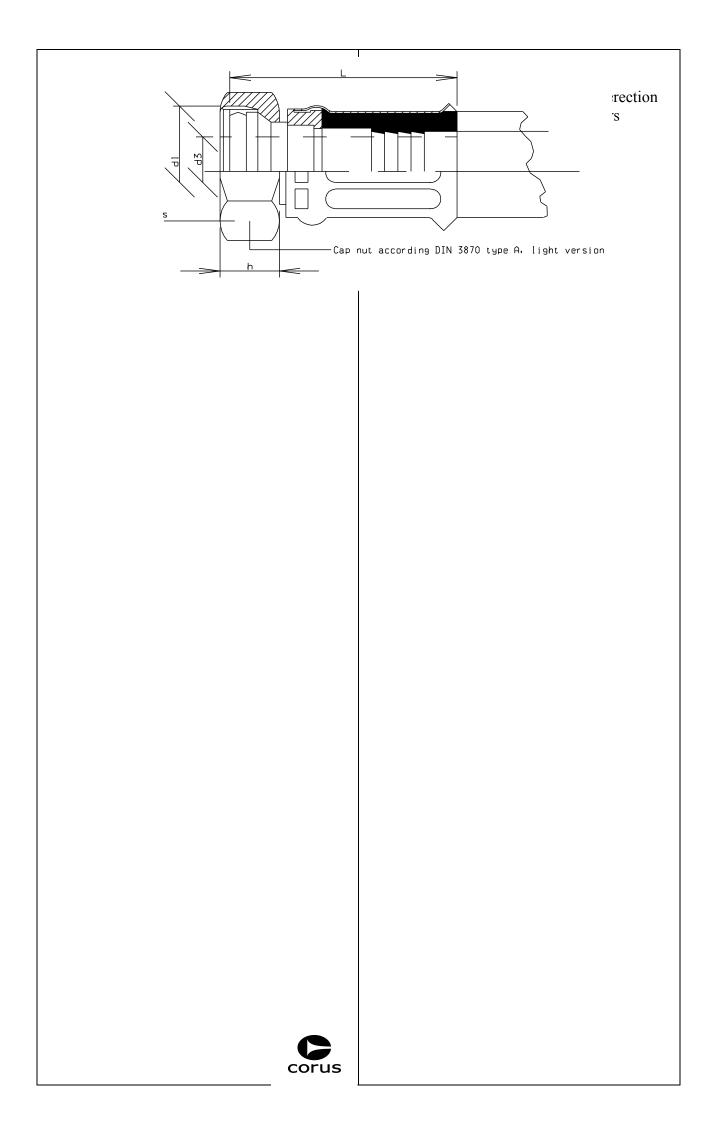
1 "	25.4	38.1	650 P1 41 01 07 300
1 "	23.4	36.1	K1 41 01 07
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			11 0
		corus	
		55.45	



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7.3. Hose couplings for both 24° and 60° cones R1 41 01 07 Pneumatics directive for suppliers, erectio companies, managers and users Part 7: Selection piping
companies, managers and users
Part 7: Selection piping
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C	corus



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d1	d3	h	L S R1 for hose, for pipe
d1	d3	h	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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mm	mm	mm	mm	mm	inside R 1 41 01 07	outside	
mm	mm	mm		umatics dire companies	inside R1 41 01 07 ective for supp s, managers a : Selection pi	nd users	on
		corus					

		mm mm mm
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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M16 x 1.5	6.7	15.5	59.2 19 9.5 10 R1 41 01 07
			Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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M18 x 1.5	6.7	15.5	56.2	22 R1	9.5 41 01 07	12	
M18 x 1.5	6.7	15.5	56.2 Pne	umatics direct companies, Part 7: S	9.5 41 01 07 ive for supp managers and Selection pip	liers, erect	ion
		Corus					

M26 v 1 5	9.7	19	63.1	22	15.0	10	
M26 x 1.5	7./	18		32	15.9 R1 41 01 07	18	
			Pneu	umatics dire companie	ective for sup s, managers a ': Selection p	and users	etion
		Corus					

M30 x 2	15.5	20	66.4	36 R	19.0 1 41 01 07	22	
M13U X 2	13.3	20		eumatics direct companies, Part 7: S	tive for supp	liers, erect	ion
		corus					

_								
	M36 x 2	20.0	21	72.4	41	R1 41 01 07	28	
	M36 x 2	20.0	21		umatics din	25.4 R1 41 01 07 rective for suppes, managers a 7: Selection pro	pliers, erec	etion
			corus					



Hose couplings in pressed-on version wit	h internal metric thread and a ball type surface for R1 41 01 07
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Coi us	

240/600	
24°/60° connection.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Material:		R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Steel 9 S Mn Pb 28 K, galvanis	sed and passivated according DIN 50942, method C.
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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7.4.	Quick disconnect couplings	
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Manufacture: Oetiker	R1 41 01 07
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cort	us

	7
Coupling equipped with check valve.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Mat. Ø 5,5 en Ø 11 = hardened and grou	nd CrNi stool
Mat. Ø 3,3 en Ø 11 – hardened and grou	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

Ø 19	= cadmium galvanised	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
		Part 7: Selection piping
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= zinc galvanised steel.	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	= zinc galvanised steel.



Scheme 7.3	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
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Dimensions in mm unless otherwise stated	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Internal	Throad	Overall Outside Orderine
Internal	Thread	Overall Quiside 01 07 Ordering
		Pneumatics directive for suppliers, erection companies, managers and users
		Part 7: Selection piping
	corus	
	corus	

4		
diameter	connection	length diameter number
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

	ı	ı	ĺ			
Ø 5,5	male	G 1/4" A	44	R1 41 01 07	34/12	
Ø 5,5	male	G 1/4" A	Pneumatics comp	R1-41 01 07 s directive for supponies, managers are art 7: Selection pip	liers, erec	tion
		corus				

	£1	C 1/4!!	
1	female	G 1/4".	- R1 41 01 07
			Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Ø 11	male	G 1/2" A	60	- R1 41 01 07	221	
Ø 11	male	G 1/2" A	Pneumatics comp	R1 41 01 07 s directive for supplements, managers and Part 7: Selection piper	iers, erection	on
		Corus				

I					
	female	G 1/2".	74	50 R1 41 01 07	201
	remare	O 1/2 .	Pneumatic com	Ri 41 01 d7 es directive for supp panies, managers ar Part 7: Selection pip	liers, erection
		corus			

Ø	male	G1"A	102	R1 41 01 07	610	
Ø	male	G1"A	Pneumatics comp	R1 41 01 07 directive for supp anies, managers ar art 7: Selection pip	liers, erecti	on
		corus				

ı	C 1		100.5		(00
	female	G 1 ".	102.5	50 R1 41 01 07	600
			comp	s directive for supponies, managers and art 7: Selection pipers	nd users
		corus			

		-				
Ø	male	G 1 1/4" A	120	R1 41 01 07	810	
Ø	male	G 1 1/4" A	Pneumatics comp	R1 41 01 07 directive for supp anies, managers ar art 7: Selection pip	liers, erection	on
		Corus				

ı		П		Т	
	female	G 1 1/4".	155	70 R1 41 01 07	800
	теппате	U 1 1/4 .	Pneumatics comp	R1 41 01 d7 s directive for supponies, managers a lart 7: Selection pip	oliers, erection nd users
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7.5.	Steel pipes	R1 41 01 07 Pneumatics directive for suppliers, erection
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7.5.1. General	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
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For pneumatic piping seamless steel pipe	s only will be used, fitted with cutting ring R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
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couplings.	
Coupinigs.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
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Co	brus

7.5.2. Material	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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St 37 according DIN 1630.	R1 41 01 07 Pneumatics directive for suppliers, erection
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7.5.3. Description	
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Steel:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Seamless steel precision pipes with smooth	oth ends, marked over the whole length.
	Pneumatics directive for suppliers, erection
	companies, managers and users
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corus	

 Wall thickness and tolerances according 	g DIN 2391/1. R1 41 01 07
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	Total () Sold of the party
corus	

 Normalised according DIN 2391/2. 	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

DI 1 . 1 . 1 . 1 . 1	
 Phosphated and oiled. 	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

 Pipes must be absolutely free from oxy 	des and other dirt.
	Pneumatics directive for suppliers, erection
	companies, managers and users
	Part 7: Selection piping
corus	

 Both ends capped with good tightening 	plastic caps. R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

 Lengths at least 6 meter. 	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

5.4. Sizes	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	corus

In the schemes the selected pipes and maximum working pressures are specified. R1 41 01 07				
	Pneumatics directive for suppliers, erection companies, managers and users			
	Part 7: Selection piping			
corus				

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Calculation working pressure according DIN	2413, "Bereich III"
	Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	Tart 7. Selection piping
corus	
33.43	

This means: infinite life time a pressure	changes between 0 and maximum, temperature
Timo incario. Infinite, ine time a pressure	changes between 0 and maximum, temperature R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	
corus	

between -25 °C to 120 °C.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Scheme 7.4	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	r art 7. Selection piping
corus	

Pipe size in mm	Max. working pressure in bar
- Pt size in iniii	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
coru	s

	10 x 2		450	
<u> </u>		Pneumatic	R1 41 01 07 s directive for suppliers,	erection
		comp	panies, managers and us Part 7: Selection piping	ers
			mie i seiseisen piping	
	cor	us		
	Cor	us		

12 x 2	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
co	Drus Corus

18 x 2		R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

22 x 2	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
_	
cort	us

20 2	100
28 x 2	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
co	orus

25 - 2	145	
35 x 2	R1 41 01 07	
	Pneumatics directive for suppliers, erecompanies, managers and users Part 7: Selection piping	ction
	corus	

42 2	120	
42 x 2	R1 41 01 07	
	Pneumatics directive for suppliers, er companies, managers and users Part 7: Selection piping	ection
•		
co	orus	

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	



7.5.5. Applications	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	D orus
C	orus

Pipelines in pneumatic systems.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

5.6. Certificates	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	corus

Supply with certificates according EN 102	04-3.1.B. R1 41 01 07
	Pneumatics directive for suppliers, erection
	companies, managers and users
	Part 7: Selection piping
corus	
corus	

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	



7.6. Stainless steel pipes	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	rus

7.6.1. General	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus

For pneumatic piping seamless steel pipe	s only will be used, fitted with cutting ring R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Fait 7. Selection piping
corus	
corus	

1.	
couplings.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	companies, managers and users Part 7: Selection piping
	corus

If ambient conditions will tolerate steel co	uplings (galvanised and yellow chromium R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

plated) with stainless steel cutting rings,	this will safe costs.
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	
corus	

.2. Material	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	corus

X2CrNiMo 17-12-2 according EN 10088-2	2/3 (AISL316 L) material nr. 1 4404
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

6.3. Properties	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Tart 7. Selection piping
	corus

Seamless steel precision pipes with smooth	oth ends, marked over the whole length.
	Pneumatics directive for suppliers, erection
	companies, managers and users
	Part 7: Selection piping
corus	
corus	

 Cold drawn or rolled, normalised and 	pickles according DIN 17458, tabel 6:h.
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	
Colus	

Execution and tolerances according DI	N 2462-D4/T3.
_	Pneumatics directive for suppliers, erection
	companies, managers and users
	Part 7: Selection piping
corus	

 Pipes must be absolutely free from oxy 	des and other dirt. R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

5.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	
 Both ends capped with good tightening 	Plastic caps. R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	T me // Selection p.p.ing
corus	

I am adh a ad la ad Comadan	
 Lengths at least 6 meter. 	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	



IF SPECIFIED, PER ORDER MUST BE	AGREED HOW THE PIPE BADGE SUPPLIES R1 41 01 07
	Pneumatics directive for suppliers, erection
	companies, managers and users
	Part 7: Selection piping
corus	

1

5.4. Sizes	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	corus

In the schemes the selected pipes and max	imum working pressures are specified. R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Calculation working pressure according DIN 2413, "Bereich III" R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
companies, managers and users Part 7: Selection piping
Tart /: Selection piping
corus

This means: infinite life time a pressure	changes between 0 and maximum, temperature
Timo incario. Infinite, ine time a pressure	changes between 0 and maximum, temperature R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	
corus	

between -25 °C to 120 °C.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	



Scheme 7.5	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Pipe size in mm	Max. working pressure in bar
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
coru	s

1 (1 × 2)	395	
10 x 2	R1 41 0	1 07
	Pneumatics directive for companies, mana Part 7: Select	gers and users
	Part 7: Select	ion piping
_		
cor		

10.0	
12 x 2	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

10.0	227
18 x 2	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
cor	us

22 2	105
22 x 2	195 R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

20. 2	100
28 x 2	155 R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
cort	us

25. 2	125
35 x 2	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

	105
42 x 2	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
cor	us

7.6.5. Applications	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus

Pipelines in pneumatic systems.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

6.6. Certificates	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	corus

Supply with certificates according EN 102	04-3.1.B.
	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users
	Part 7: Selection piping
corus	
Coi us	



	,
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

7.7. I	Pipe clamps, light series		
(./. I	ipe ciamps, nght series		R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
			Part 7: Selection piping
	_	Corus	
		corus	

7.1. General	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	corus

Pipe clamps subplates are commonly welc	led on a steel support.
	Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
corus	

In special cases mounting rail is allowed.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

7.7.2. Material	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	
Corus	

GL 1.1	
Clamp halves:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

Polypropylene (PP)	
1 orypropyrene (11)	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

Aluminium (Al Si 12).	D1 41 01 07
	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
corus	
corus	



0 1.	
Cover plate:	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
corus	

S235JR according EN 10025, galvar	nised (steel)
	Pneumatics directive for suppliers, erection
	companies, managers and users
	Part 7: Selection piping
corus	

X5CrNi 18-10 according EN 10088	2/3 (AISI 304) R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

X5CrNiMo 17-12-2 according EN 1	0088 2/3 (AISI 316).
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	
corus	

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Subplate:	74 W 01 07
•	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Part 7. Selection piping
	corus

C225 ID1: NIENI ENI 10025	
S235JR according NEN-EN 10025.	R1 41 01 07
	Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	Tart 7. Selection piping
corus	



Bolts according DIN 931, quality 8.8;	galvanised or stainless steel (AISI 304 - AISI 316). R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	5

7.7.3. Application	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Clamp halves polypropylene -30 °C up to +100 °C R1 41 01 07 Pneumatics directive for suppliers, creetion companies, managers and users Part 7: Selection piping			
Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping	Clamp halves polypropylene	-30 °C u	up to +100 °C R1 41 01 07
companies, managers and users Part 7: Selection piping			Pneumatics directive for suppliers, erection
			companies, managers and users
corus			Part 7: Selection piping
corus			
		corus	

Clamp halves aluminium	to +400 °C.
	Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	erus
co	rus

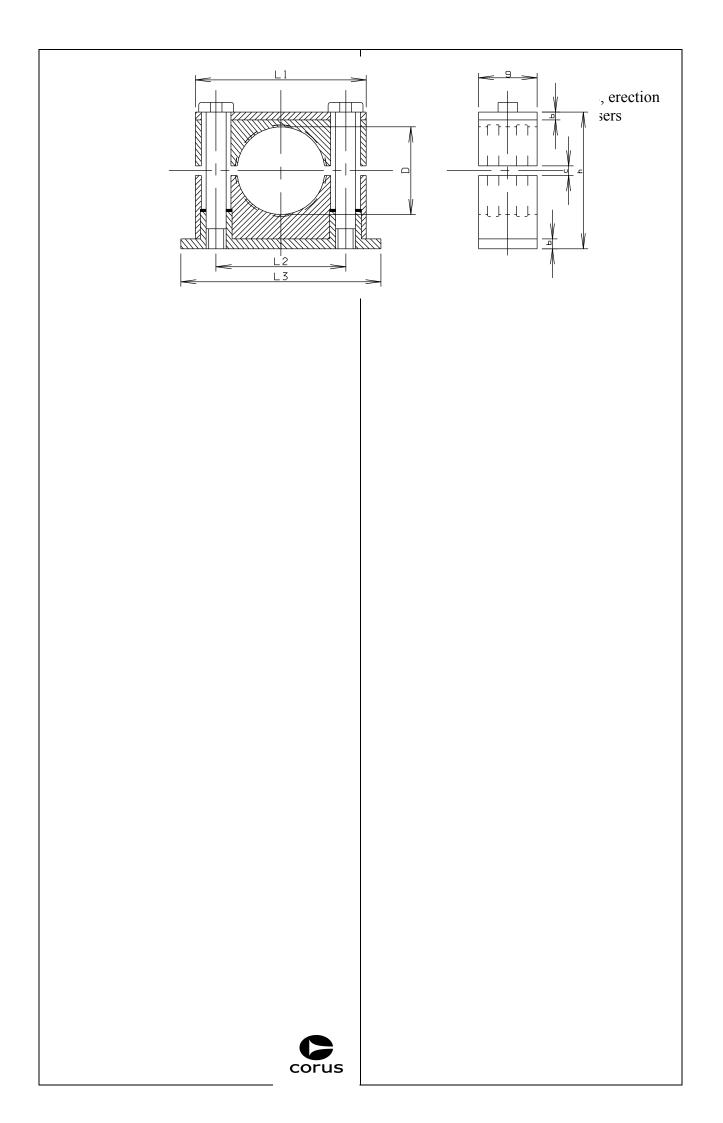
7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	



7.7.4.	Dimension and coding	R1 41 01 07 Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
	corus	

171	Dino alamana suith13'	nlots	
'.7.4.art.a.	Pipe clamps with welding	g plate	R1 41 01 07 Pneumatics directive for suppliers, erection
			companies, managers and users Part 7: Selection piping
	c	corus	

E: 7.3	
Figure 7.2	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus



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Scheme 7.6	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Fart 7. Selection piping
corus	

Pi	pe D	L1	L2	L3	b	g _{R1 41}	01 ^h 07	Bolts	
					Pneumat	ics directive	for suppl	liers, erecti	on
					cor	npanies, mar Part 7: Sele	nagers an	d users	
						Tart 7. Sele	ction pip	ilig	
				corus					
				orus					

outs. mm	Pneumatics directive for suppliers, erection companies, managers and users
companies, managers and users	companies, managers and users

	10	37	20		64	3 30 33 M6 x 30 R1 41 01 07
						Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
					_	
				cor	us	

				T				
18	42	26	70	3	30 _{R1 2}	$\frac{39}{41.01.07}$	M6 x 35	
18	42	26	70	Pneumat	tics directive mpanies, many Part 7: Se	anagers a election pi	oliers, erecti	on
			corus					

22	50	33	78	3	30 R1 4	$41.01\overline{07}$	M6 x 40	
22	50	33	78	Pneumati con	cs directiv npanies, m	41 41 01 07 ve for suppnanagers are election pip	liers, erection and users	1
		cor	us					

28	58	40	87	3 30 48 R1 41 01 (M6 x 45
28	58	40	87	Pneumatics directive for scompanies, manager Part 7: Selection	uppliers, erection
		CO	D orus		

35	69	52	100	3	30 R1 ²	66 41 01 07	M6 x 60	
35	69	52	100	Pneuma	tics directive mpanies, many Part 7: Se	e for supplication pi	M6 x 60 pliers, erectiond users ping	on
		cc	D orus					

				1					
4	-2	69	52	100	3	30 R1 4	66 11 01 07	M6 x 60	
4	2	69	52	100	Pneumati	cs directiv npanies, m	e for suppl anagers an lection pip	liers, erecti	on
			C	Corus					

	,
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Remark: Subplates make HYROS, have a	ength L3 shorter than in scheme.
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

	,
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

C I	
Coding:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	companies, managers and users Part 7: Selection piping
corus	

Hyros	
<u>Hyros</u>	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
coru	s

HRLAPP	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

LIDI A AT	
HRLAAL.	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	Tare /: Serection priming
CO	rus



Stauffenberg	
<u>omanonoois</u>	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
corus	
corus	

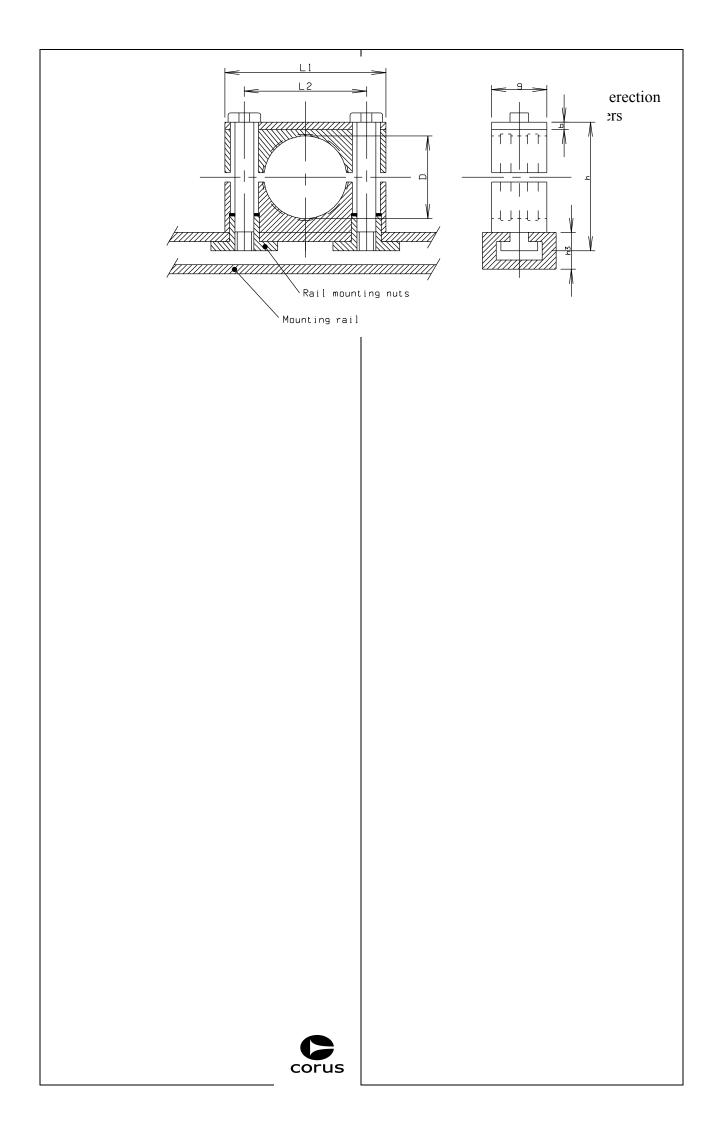
SPVPP - DP - AS	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Part 7: Selection piping
	Drus Prus
	л uэ

SPVAL - DP - AS.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	



7.7.4.art.b.	Pipe clamps with rail	R1 41 01 07 Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
		rus

Figure 7.3	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
cort	ıs



~	
Scheme 7.7	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

		1	-				7
Pipe D	L1	L2	b	<u>g</u>			
Pipe D	L1	L2	_	Pneumatics	directive	of suppliers, enagers and user ection piping	rections
		corus					

		<u> </u>	
outs. mm	mm	mm n	m mm mm mm mm mm
			Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		corus	

	10	37	20		3	30 33 M6 x 30 R1 41 01 07
						Pneumatics directive for suppliers, erection
						companies, managers and users Part 7: Selection piping
						r art 7. Selection piping
			co	rus		

12 37 20 3 30 33 M6 x 30 Pneumatics directive for suppliers, ere companies, managers and users Part 7: Selection piping	
Pneumatics directive for suppliers, ere companies, managers and users	
companies, managers and users	ection
Part 7: Selection piping	
_	
corus	
corus	

18	42	26	3		30	_39	M6 x 35	5	
							M6 x 35		
				Pne	eumatics	directive	for supplier	s, erect	ion
					compa	ınıes, ma	nagers and u	isers	
					1 a	11 /. SCI	շատո թոթու	3	
		corus	5						

22	50	33	3		30	41 R1 41	M6 x 40	
				Pn	compa	directive nies, ma	for suppliers, nagers and use ection piping	erection
		cort	us					

	T T		
28	58	40	30 48 M6 x 45 R1 41 01 07
			Pneumatics directive for suppliers, erection
			companies, managers and users Part 7: Selection piping
			r art 7. Selection piping
		corus	
		corus	

35	69	52	30 66 M6 x 60 R1 41 01 07
			Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		corus	

	1 1			——————————————————————————————————————		1			
42	69	52			30	66 R14	M6 x 60		
				Pne	eumatics	directive	for supplier	s, erection	n
					compa	ınıes, ma	nagers and u	sers	
					1 a	11 /. SCI	cenon piping		
		corus	5						



Remark: rail available with dimension h3	as 11, 14 and 30 mm.
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	
corus	



Q. 1:	
Coding:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	
Coi us	

<u>Hyros</u>	
119105	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	Part 7: Selection piping
corus	

HRLA1TMPP	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	companies, managers and users Part 7: Selection piping
corus	

HRLA1TMAL.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Stauffenberg	
Smurreneers	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Part 7: Selection piping
corus	

SMPP - DP - AS	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	rate /: gelection piping
COL	rus

SMAL - DP - AS	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Rail: TS.	
IXIII. 13.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	companies, managers and users Part 7: Selection piping
corus	



7.5. Manufacturers	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus

These specifications will be fulfilled by among others the product of: R1 41 01 07		
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping	
corus		

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

11. 1	
– Hydac	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

<u>'</u>
R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
Part 7: Selection piping



7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

7 0	Calvanisad staal nines	
7.8.	Galvanised steel pipes	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
		Part 7: Selection piping
	cort	us

.8.1. General	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

For pneumatic piping seamless steel pipes	only will be used, fitted with cutting ring
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	
Corus	

couplings.	
Coupinigs.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	companies, managers and users Part 7: Selection piping
Co	brus



For supply and exhaust lines larger than 42	mm, galvanised pipes may be applied, with R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

screw-on flanges. The pipes have wall this	knesses suitable for threading.
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

7.8.2. Material	
.0.2. Mutuu	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

Pipe: S185 according EN 10025.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Tait 7. Selection piping
corus	
corus	

3.3. Description	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus

 Seamed steel pipes. 	
Sommon Steel paper.	Property of the state of the st
	Part 7: Selection piping
corus	

 Sizes according DIN 2440. 	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Pipes hot dipped galvanised internal an	d external according DIN 2444.
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

Both ends capped with tightening plast	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Supply lengths minimum 6 meter.	
- Suppry lengths minimum o meter.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
5

Selected pipesizes are mentioned in the sc	K1 41 01 0/
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Scheme 7.8	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

DN	Outside diameter	D	eal external	Components connection
DΝ	Outside diameter	K		Components connection
			comp	s directive for suppliers, erection panies, managers and users
			P	Part 7: Selection piping
	СО	rus		

 . 44.4.4	1.		
+ wall thickness		R1 41 01 07	
+ wall thickness	comp	R1 41 01 07 s directive for suppliers, ere panies, managers and users Part 7: Selection piping	ction
cort	ıs		

40	48,3 x 3,25		41,8		1.1/2"	
10	10,5 K 5,45	ı	Pneuma	tics directive	1.1/2" 11 01 07 e for suppliers,	erection
			co	ompanies, m	anagers and use lection piping	ers
				rant /. Se	lection piping	
		corus				
	C	orus				

Г		-		
50	60,3 x 3,65		R1 41 01 07	
50	60,3 x 3,65	Pneu 53	R1 41 01 07 " matics directive for suppliers companies, managers and us Part 7: Selection piping	, erection sers
		D orus		

			-	
65	76,1 x 3,65	68,8	R1 41 01 07	
		com	es directive for suppliers, erec panies, managers and users Part 7: Selection piping	etion
	cor	us		

	00.0 4.05	00.0	2 "	1
80	88,9 x 4,05		R1 41 01 07	
80	88,9 x 4,05	com	R1 41 01 07 es directive for suppliers, er panies, managers and users Part 7: Selection piping	ection
	cor	us		

8.5. Application	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus

D: : 2	
Piping for pneumatic systems.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Tr S
corus	

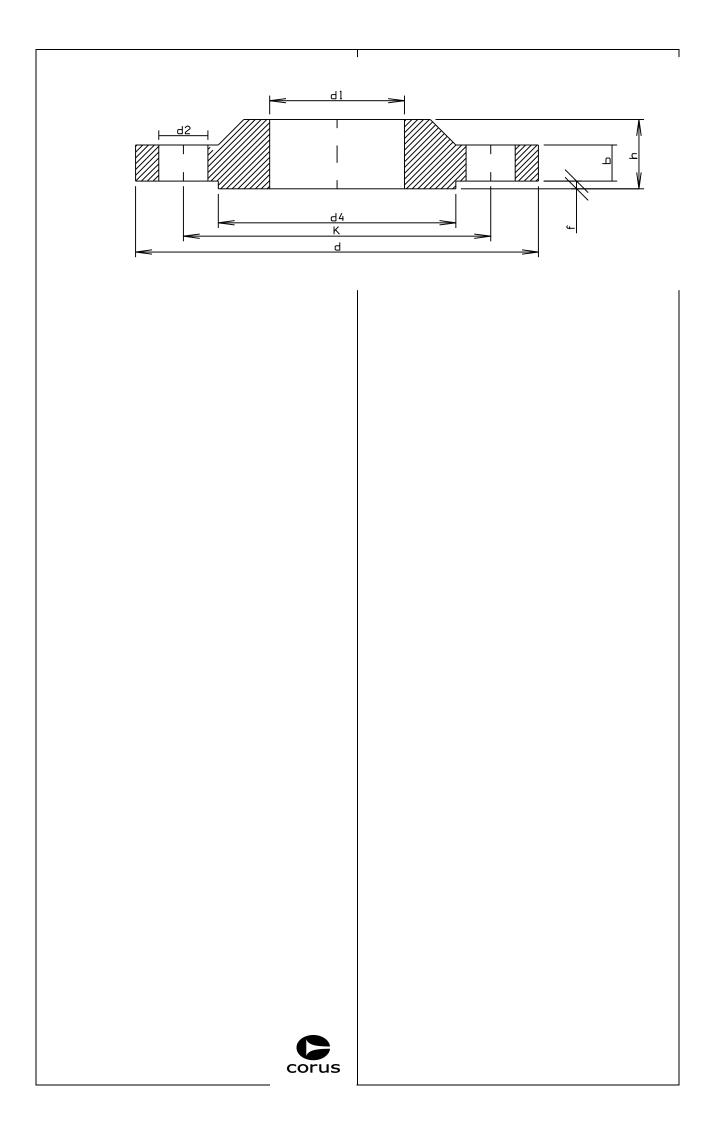
8.6. Certificates	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus

Supply with certificates according EN 102	04-3.1.B. R1 41 01 07
	Pneumatics directive for suppliers, erection
	companies, managers and users
	Part 7: Selection piping
corus	
corus	

	,
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

7.9.	Threaded flanges for galvanise	d steel pipes R1 41 01 07
		Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
		rart 7. Selection piping
	corus	
	corus	5

F: 7. 4	
Figure 7.4	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus



R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
ran 7. Selection piping

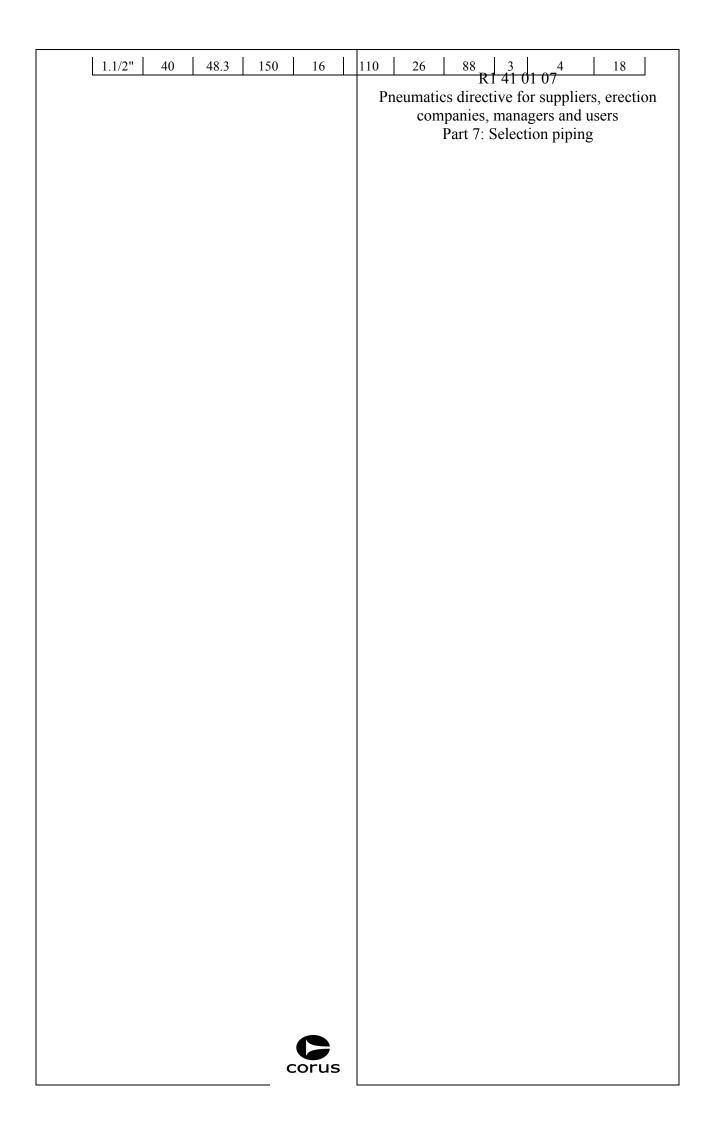
Sizes in mm unless indicated otherwise	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Pipe	Flange	Print _{41 01 0} Bolts/Pitch
	·	Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
		rait /. Selection piping
	corus	
	corus	

	R1 41 01 07 diam.
	Pneumatics directive for suppliers, erection companies, managers and users
	companies, managers and users Part 7: Selection piping
corus	

BSP	DN	d1	d	b	k		h	d4 _{R1} 4f ₁₀₁ Amount d2
						Pne	eumatio	cs directive for suppliers, erection
							com	npanies, managers and users Part 7: Selection piping
								- me / , sereemen piping
			C	corus				
					<u> </u>			



2.	"	50	60	0.3	165		18		125	2	28	102 3 4 18 R1 41 01 07
									Pı	neur	com	cs directive for suppliers, erection panies, managers and users
												Part 7: Selection piping
						CO	orus	5				

2.1/2"	65	76.1	185	18	145 32 122 3 4 18 R1 41 01 07
					Pneumatics directive for suppliers, erection
					companies, managers and users Part 7: Selection piping
					Part 7: Selection piping
			C		
			CO	rus	

Г								
	3.	"	80	88.9	200	20		160 34 138 3 4 18 R1 41 01 07
								Pneumatics directive for suppliers, erection
								companies, managers and users Part 7: Selection piping
								Part 7: Selection piping
						corus		
						corus	5	
L								

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Material: S235JR according NEN-EN 1002	K1 41 U1 U/
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	
corus	

Execution according DIN 2566.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Ture 7. Delection piping
corus	



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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

7.10	D'	
7.10.	Pipe couplings light series	R1 41 01 07 Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
	corus	
	corus	

7.10.1. General	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
CO	rus

The specified PN is based upon a fourfold	safety factor at 120 °C.
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	
corus	

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

	1
Couplings complete with:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

cutting rings	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
Co	rus

- cap nuts	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

– NBR seal	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

0 .	
- O-ring	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Part 7: Selection piping
corus	

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Tolerances, unless specified else are accor	ding DIN 7168 Teil 1.
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

	1
Couplings according DIN 2353.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Screw in part according DIN 3852 / 11 Fo	rm W.
	K1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	
33. 3.3	

Cap nut according DIN 3870.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Bore for 24 °C cone DIN 3861 Form W.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Technical supply requirements according	DIN 3859. R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	



The thrust in wire in the coupling.	The thrust in wire in the couplings mentioned in paragraph 7.10.5.art.a.7.10.5.art.a.2. may R1 41 01 07	
	Pneumatics directive for suppliers, erection companies, managers and users	
	Part 7: Selection piping	
	Drus Crus	
	л us	

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not exceed the flat surface!	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	
corus	

10.2. Material	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus

G 1:	
Couplings + cap nuts:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	T die // Sereewon p.p.mg
corus	
corus	

 Steel according DIN 3859. 	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

 Galvanised and yellow chromate 	d quality A 3C according DIN 267/9 R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
cor	us

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Soft seal at screw in side:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

 NBR according ISO R1629 hardness 90 	0° shore A.
_	Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	Ture 7. Selection piping
corus	
corus	

[1
7.10.3. Application	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

The couplings are suitable for:	D. 41.01.05
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Part 7: Selection piping
corus	

 seamless steel precision pipes according 	g paragraph 7.5. R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
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corus	

 hose couplings, with a spherical cone, sui 	itable for 24/60° cone according paragraph 7.3.
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	



Maximum allowable temperature is 120 °C.	R1 41 01 07
	Pneumatics directive for suppliers, erection
	companies, managers and users
	Part 7: Selection piping
corus	
corus	

In combination with NBR seal and/or O-ri	ng: maximum 90 °C.
	Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
corus	
corus	

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	



10.4. Manufacturers	R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus

These specifications will be fulfilled among	g others by the products of:
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

– Parker-Ermeto	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

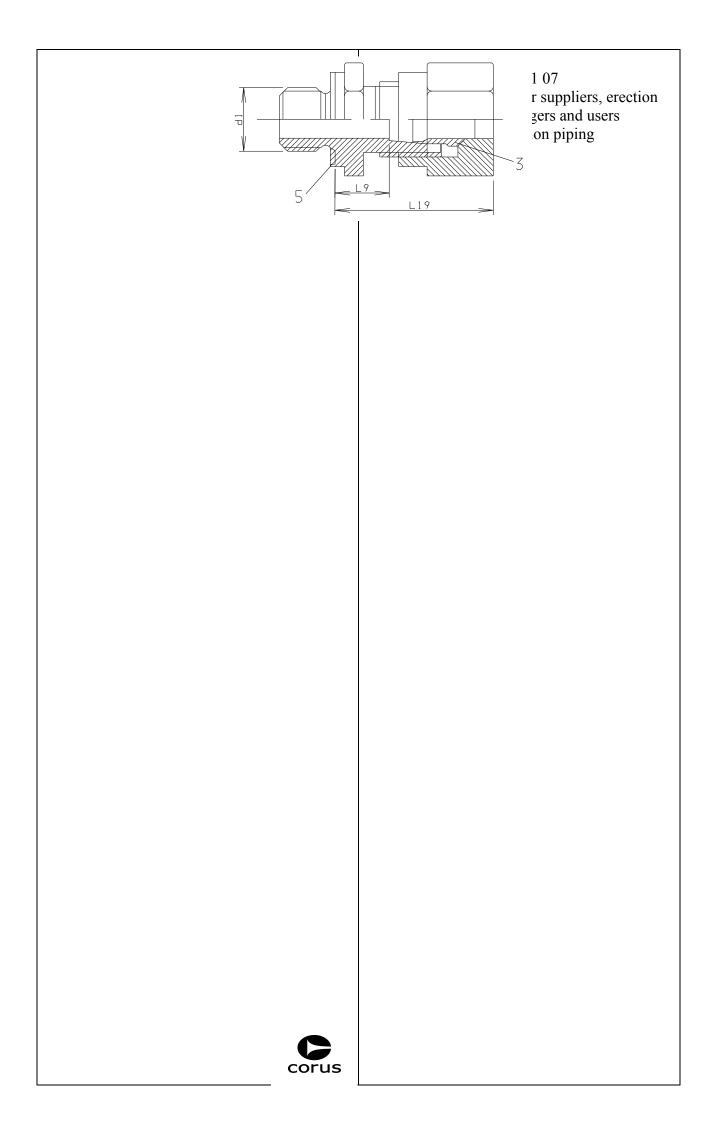
– Walterscheid.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Tart 7. Selection piping
	rus
СО	rus

7.10.5.	Dimensions and coding	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
		Part 7: Selection piping
	corus	

.10.5.art.a.	Cutting ring coupling with 24° ta	K1 41 01 0/
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

7.10.5.art.a.1.	Straight screw in coup	ling with NB	R soft seal R1 41 01 07
			Pneumatics directive for suppliers, erection companies, managers and users
			Part 7: Selection piping
		corus	
		corus	

Figure 7.5	D1 41 01 07
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
C	orus



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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Soft seal pos. 5 see Technical Directive R	I 41 01 08E, paragraph 8.2. R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	
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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Scheme 7.10	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	
Corus	

ſ	Outs. Pipe	Thread d1	L9	L 101 41 01 07 PN	
<u> </u>		'	Pneum	natics directive for suppliers, ero	ection
				companies, managers and users Part 7: Selection piping	
				rart 7. Selection piping	
		coru			
		coru	s		

diam.				
uiaiii.			D	R1 41 0 1 07
			Pneum	atics directive for suppliers, erection ompanies managers and users
				ompanies, managers and users Part 7: Selection piping
	C	rus		
	COI	uS		

	10	G 1/4" A		11		26 R1 41	010=	250	
		•		Pneui	natics di	rective:	for supp	liers, erec	tion
					compan Part	ies, mar 7: Selec	nagers ar	nd users oing	
							1 1	J	
			corus						

12	G 3/8" A	12.5	27 R1 41 01 07	250
		Pneum	R1 41 01 07 atics directive for suppompanies, managers a Part 7: Selection pi	oliers, erection
	cor	us		

18 G 1/2" A	<u> </u>	14.5	31	160	
	1	•	31 R1 41 01	ľ 0′/	otic=
		Pneumat cor	ics directive for mpanies, manage Part 7: Selecti	gers and users	ction
	corus				

22	G 3/4" A	K1 41 01 07
22	G 3/4" A	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	s

28	G 1 " A	17.5 34 10 07 100
28	UI A	K1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

	,	
35	G 1 1/4" A	17.5 39 100 R1 41 01 07
35	G 1 1/4" A	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

42	G 1 1/2" A	19 42 100
42	U 1 1/2 A	R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	



Q. 1:	
Coding:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	
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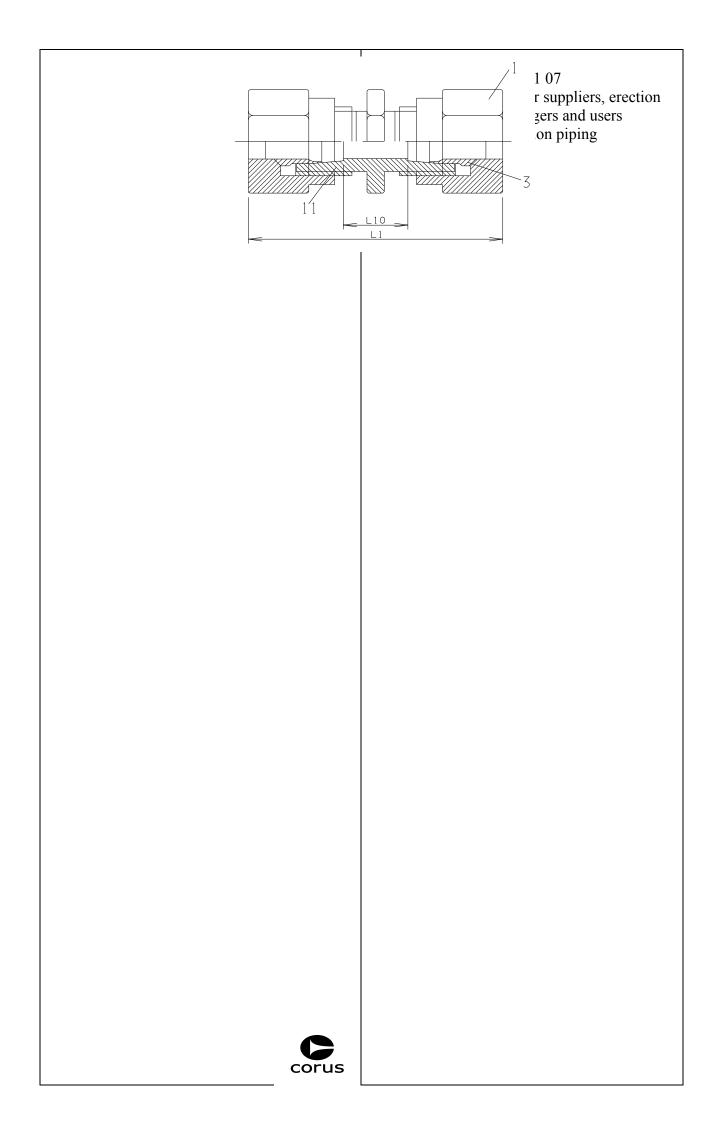
	ı	
Parker-Ermeto	: GELR - ED - A3C	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		Two / I Sereevon p.p.m5
	corus	

: GEVLR - WD.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	



7 10 5 art a 2	Straight couplings		
7.10.3.art.a.2.	straight couplings		R1 41 01 07 Pneumatics directive for suppliers, erection
			companies, managers and users Part 7: Selection piping
		corus	
		Corus	

F:	
Figure 7.6	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	Corus



	<u> </u>
Scheme 7.11	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

10	42	13 P. 1 01 07 250	
		R1 41 01 07 Pneumatics directive for suppliers, erec companies, managers and users Part 7: Selection piping	tion
		Part 7. Selection piping	
	corus		
	corus		

12	43	14 21 01 07 250
12	43	K1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		Fait 7. Selection piping
	corus	
	corus	

18	48	16 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

22		
22	52	R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

22		21
28	54	R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		r art 7. Selection piping
	corus	

35	63	R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

42	66	R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	
	Corus	

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

C. I.	
Coding:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	companies, managers and users Part 7: Selection piping
corus	

Parker-Ermeto	· G I - A3C	
1 dikel-Ellileto	. GL - AJC	R1 41 01 07 Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
	_	
	corus	

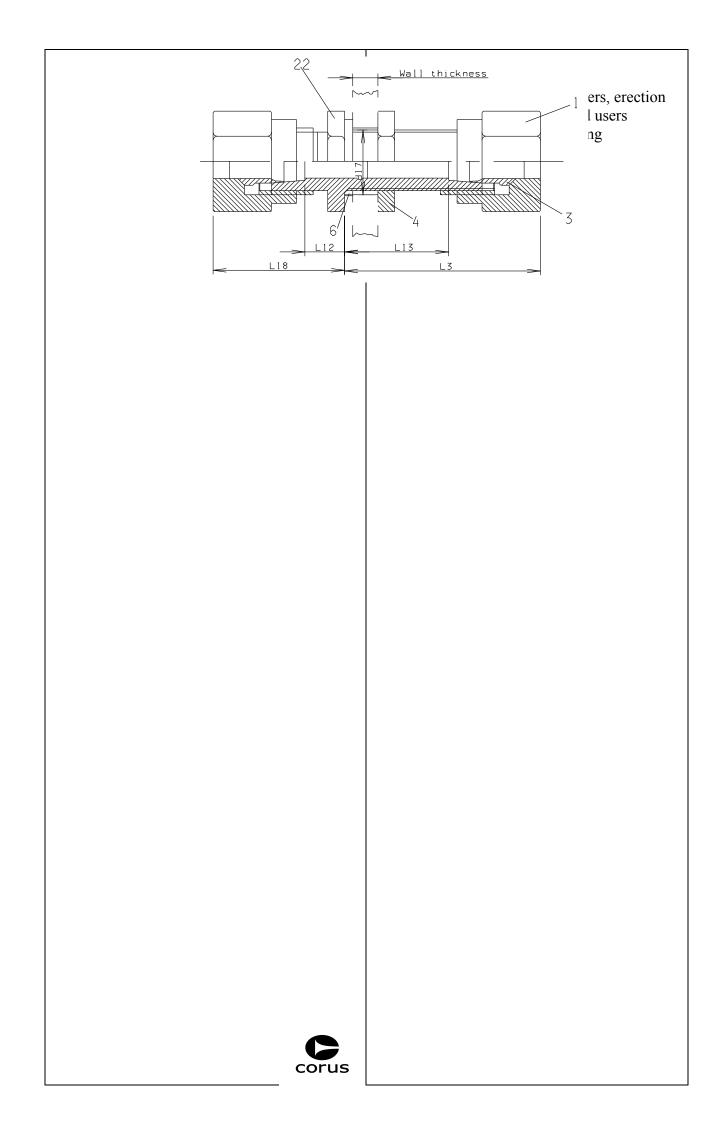
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	Part 7: Selection piping
	corus

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	



7.10.5.art.a.3.	Straight bulkhead fittings	R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		rate // Selection piping
	coru	s

Figure 7.7	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus



Scheme 7.12	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	
corus	

Outs. Pipe diameter	d17	L3	L12	L131 41 61 87	PN	
	<u> </u>		Pneumati	cs directive for supp	liers, erect	ior
			con	npanies, managers ar	nd users	
				Part 7: Selection pip	oing	
	cor					
	V					

L	10	18 43	10 28 25 250 R1 41 01 07						
			Pneumatics directive for suppliers, erection						
			companies, managers and users Part 7: Selection piping						
		corus							

12	20	44		29 R1 4	1 01 07 1		
12	20	44	Pneumati- con	cs directiv npanies, m	25 41 01 07 re for supp anagers ar lection pip	nd users	tion
	co	rus					

18	28 49	13.5 32.5 30 160
18	28 49	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

	T				1 .		
22	32	51	16.5	34.5 R1 4	33 11 01 07	160	
			Pneumaticon	cs directiv npanies, m Part 7: Se	e for supp anagers a	liers, erec	tion
	COL	rus					

28	38	52	18.5	35.5 R1 4	35 11 01 07	100	
28	38	52	Pneumation	35.5 R1 ² cs directiv npanies, m Part 7: Se	anagers an lection pip	liers, erec	tion
		rus					

					T T		
35	47	58	18.5	36.5 R1 4	11 01 07	100	
			Pneumatic con	cs directiv npanies, m Part 7: Se	e for supp anagers a	nd users	tion
	COL	rus					

42	54 59	19 36 42 100 R1 41 01 07
42	54 59	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

C. I.	
Coding:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	companies, managers and users Part 7: Selection piping
corus	

Parker-Ermeto	· SV I - A2C	
Farker-Efficie	. SVL - A3C	R1 41 01 07 Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
	corus	

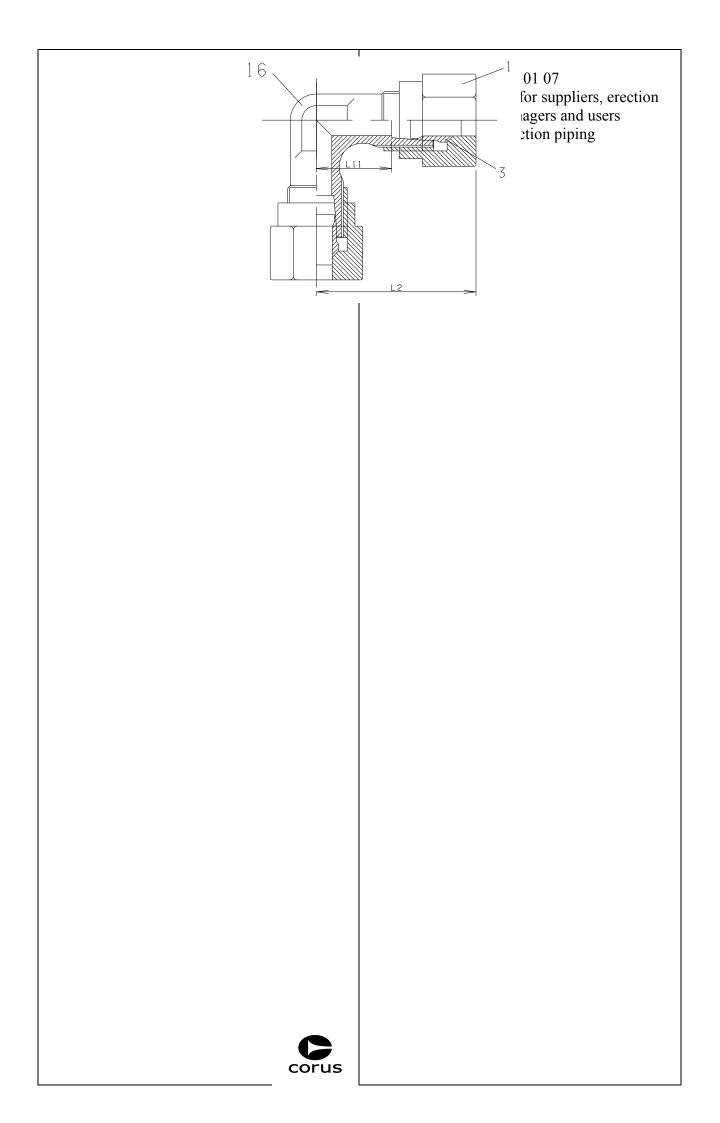
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	corus	

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	



7.10.5	ΓΙΙ	
1.10.5.art.a.4.	Elbow couplings	R1 41 01 07 Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
	co	rus

Figure 7.8		R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	



Scheme 7.13	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Outs. Pipe diameter	L2	L11 R1 41 01 07 PN
·		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

1	10		30	1	5	1	250	<u> </u>
<u> </u>		<u> </u>			R1 ² ics directiv	1 01 07 e for sur		ction
				con	npanies, m Part 7: Se	anagers	and users	• • • • • • • • • • • • • • • • • • •
					Part 7: Se	lection p	oiping	
			_					
			corus					
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12	32	17 250
12	32	K1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		rart 7. Selection piping
	corus	
	corus	

Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping			
companies, managers and users Part 7: Selection piping	18	40	
			Pneumatics directive for suppliers, erection companies, managers and users
corus		corus	

22	44	27.5 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

20		205
28	47	30.5 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		Fart 7. Selection piping
	corus	

35	56	34.5 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

42	63	R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

7	
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

C. I.	
Coding:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
	companies, managers and users Part 7: Selection piping
corus	

Parker-Ermeto	: WL - A3C	R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

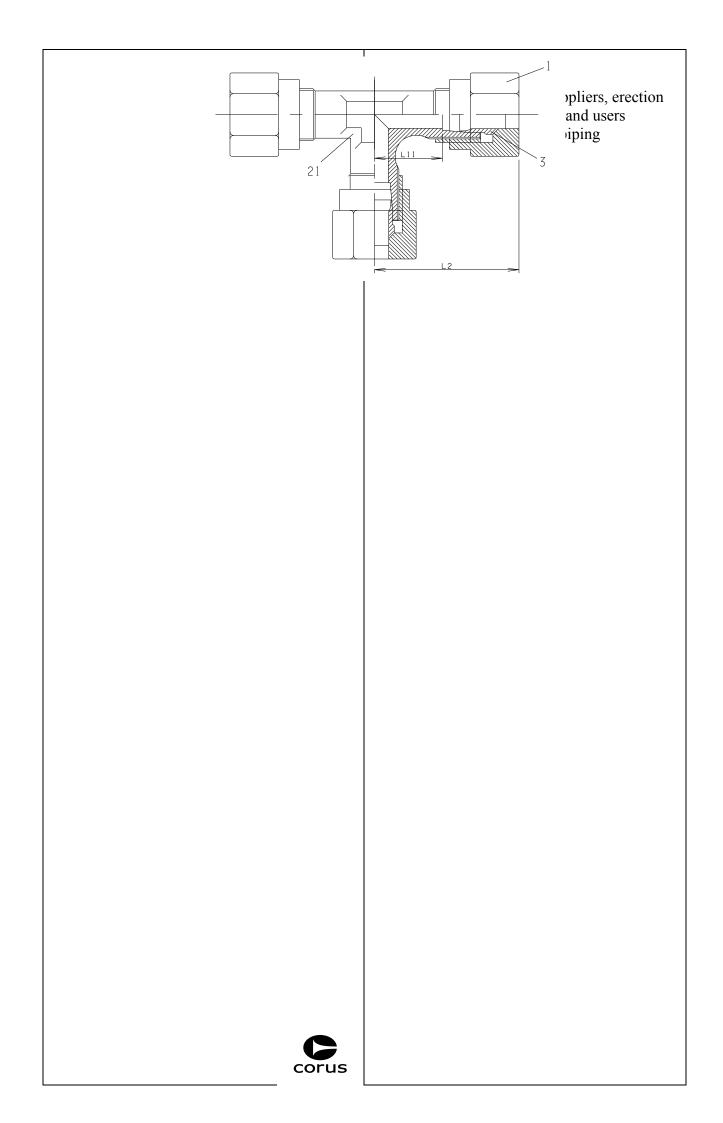
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Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
Part 7: Selection piping

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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	



7.10.5.art.a.5.	T-couplings		R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
			Part /: Selection piping
		corus	

Eigung 7.0	
Figure 7.9	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
Co	D orus



Scheme 7.14	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Outs. Pipe diameter	L2	L11 R1 41 01 07 PN
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

1	10		30	1	5	1	250	<u> </u>
<u> </u>		<u> </u>			R1 ² ics directiv	1 01 07 e for sur		ction
				con	npanies, m Part 7: Se	anagers	and users	• • • • • • • • • • • • • • • • • • •
					Part 7: Se	lection p	oiping	
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12	32	17 P1 41 01 07 250
12	32	K1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		rart 7. Selection piping
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18	40	23.5 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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	corus	

22	44	27.5 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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22		20.5
28	47	30.5 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		r art 7. Selection piping
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35	56	34.5 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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42	63	R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Coding:	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
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Parker-Ermeto : TL - A3C R1 41 01 07 Pneumatics directive for sup companies, managers Part 7: Selection p	opliers, erection
Part /: Selection p	orping
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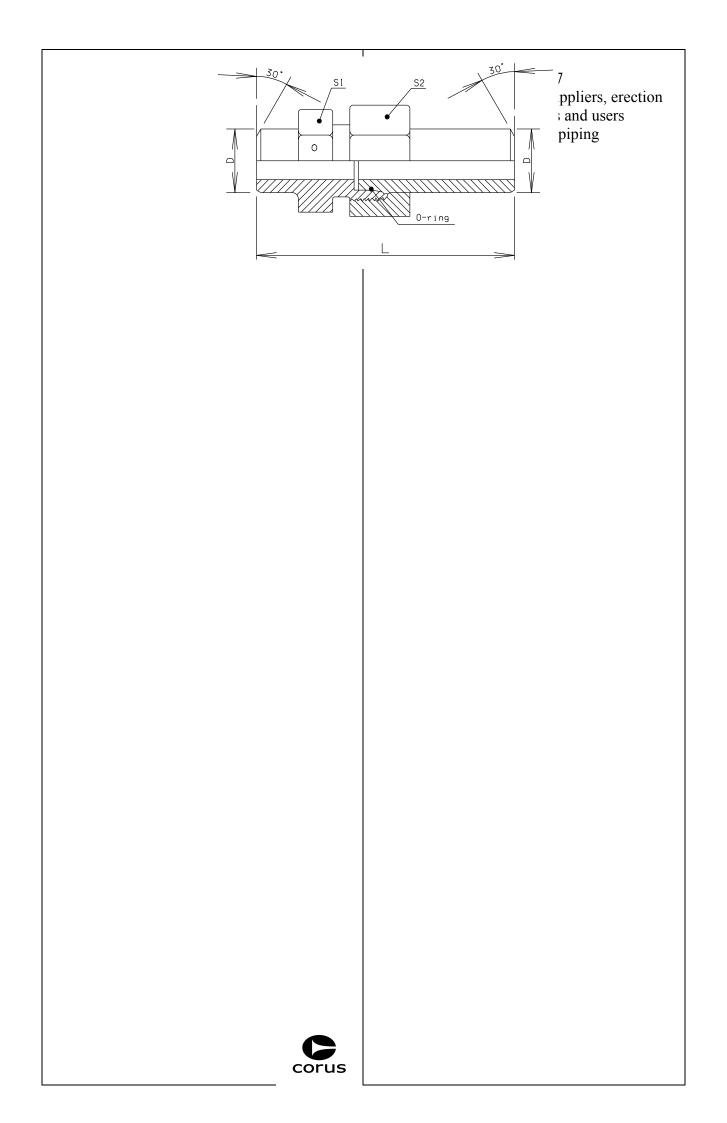
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7.10.5.art.a.6.	Straight screw on couplings	D1 41 01 07
		Pheumatics directive for suppliers, erection companies, managers and users
		Part 7: Selection piping
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71. 7.10	
Figure 7.10	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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6.1 7.17	
Scheme 7.15	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Outside pipe diameter	Internal	thread G	R1 41 01 PN	
		comp	s directive for suppliers, erection of suppliers, erection of the suppliers of supp	tion
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10 G 1/4* R1410107 Pneumatics directive for suppliers, crectic companies, managers and users Part 7: Selection piping	ı		, 1		1
Pneumatics directive for suppliers, erection		10	G 1/4"	R1 41 01 07	
				Pneumatics directive for suppliers, of	erection rs
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12	G 3/8"	R1 41 01 07
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	18	G 1/2"	160
	10	3 1/2	R1 41 01 07
			Pneumatics directive for suppliers, erection
			companies, managers and users Part 7: Selection piping
			companies, managers and users
			Part /: Selection piping
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		corus	

Pneumatics directive for suppliers, creetion companies, managers and users Part 7: Selection piping			
Pneumatics directive for suppliers, crection companies, managers and users Part 7: Selection piping	22	G 3/4"	P1 41 01 07
companies, managers and users Part 7: Selection piping			Pneumatics directive for suppliers erection
			companies, managers and users
			Part 7: Selection piping
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Γ			
	28	G 1 '	R1 41 01 07
			Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		corus	

35	G 1 1/4"	100
		R1 41 01 07 Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
		Part 7: Selection piping
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	corus	

42	G 1 1/2'	R1 41 01 07
		K1 41 01 0/
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		companies, managers and users
		Part 7: Selection piping
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		Part /: Selection piping
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	corus	

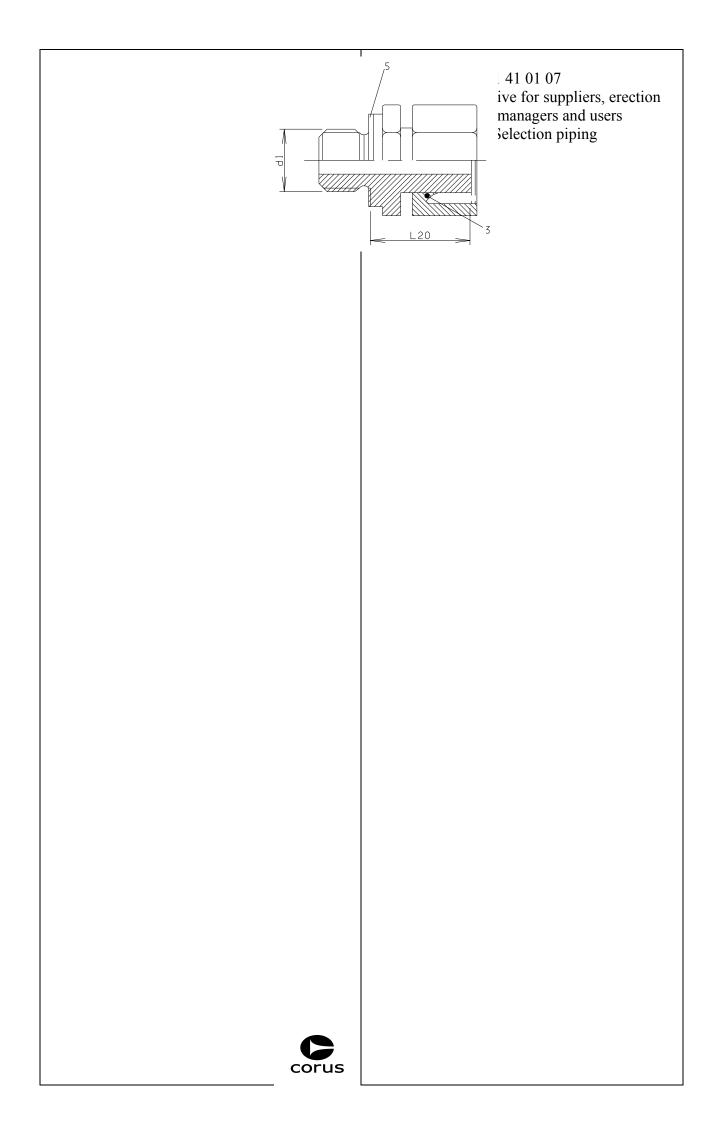
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7.10.5.art.a.7.	Reducing couplings with soft seal	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

Figure 7.11	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Scheme 7.16	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

	,
	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Outs. male thread G	Int. thread G
G 1/4" A	G 3/8"
G 1/4" A	G 1/2"
G 1/4" A	G 3/4"
G 3/8" A	G 1/2"
G 3/8" A	G 3/4"
G 1/2" A	G 3/4"
G 1/2" A	G 1 "
G 1/2" A	G 1 1/4"
G 3/4" A	G 1 "
G 3/4" A	G 1 1/4"
G 3/4" A	G 1 1/2"
G 1 " A	G 1 1/4"
G 1 " A	G 1 1/2"
G 1 1/4" A	G 1 1/2"

Outs. thread G	Int. thread G
G 3/8" A	G 1/4"
G 1/2" A	G 1/4"
G 1/2" A	G 3/8"
G 3/4" A	G 1/4"
G 3/4" A	G 3/8"
G 3/4" A	G 1/2"
G 1 " A	G 1/4"
G 1 " A	G 3/8"
G 1 " A	G 1/2"
G 1 " A	G 3/4"
G 1 1/4" A	G 1/2"
G 1 1/4" A	G 3/4"
G 1 1/4" A	G 1 "
G 1 1/2" A	G 1/2"
G 1 1/2" A	G 3/4"
G 1 1/2" A	G 1 "
G 1 1/2" A	G 1 1/4"

Coding: Parker-Ermeto: RI..EDX..- A3C Walterscheid: RED - R..- WD/R..

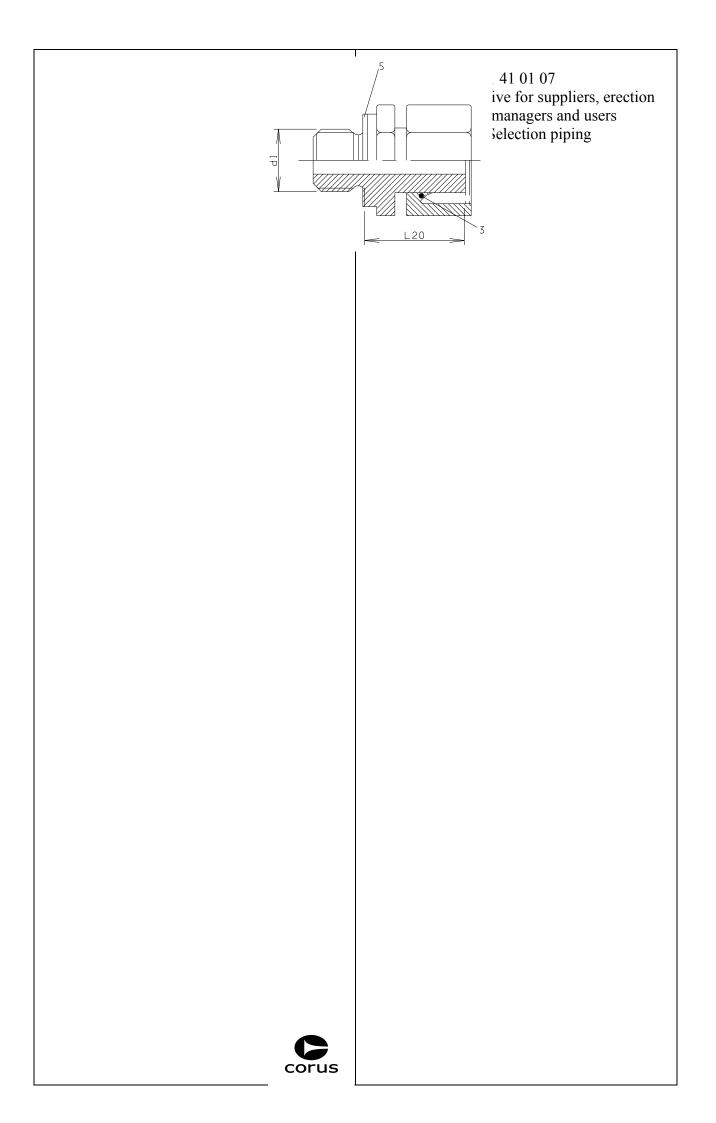
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Walterscheid: RED - R..- WD/R..

.10.5.art.b.	Couplings with 24° taper, O	-ring and premounted cap nut with thrust R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		Tare 7. Selection piping
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wire	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

7.10.5.art.b.1.	Straight saray in counling with pre	omounted can put one side
1.10.3.arı.0.1.	Straight screw in coupling with pre	Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
	corus	

Figure 7.12	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Coupling is equipped with 24° taper and O-r	ing.
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	

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Soft seal pos. 5 see Technical Directive R	l 41 01 08E, paragraph 8.3. R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	
corus	



Scheme 7.17	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Outs. Pipe diameter	d1	L20 R1 41 01 07 PN
		Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
		Ture / . Serection piping
	corus	

	10	1/4"	27.5	250	
				R1 41 01 07 ective for suppliers, er	ection
			companie	es, managers and users 7: Selection piping	
			Part	7. Selection piping	
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12	2/0"	24 250
12	3/8"	R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		1 me // Solden p.p.ing
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	corus	

18	1/2"	31.5 P1 11 01 07 160
10	1/2	K1 41 U1 U/
		Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
		rart /. Selection piping
	corus	
	corus	

າາ	2/4"	32.5	
22	3/4"	32.5 R1 41 01 07	
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping	
	corus		

28	1. "	35 P1 11 01 07 100
20	1.	K1 41 U1 U/
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

35	1.1/4"	42.5 P.1 41.01.07 100
	1.1/7	Pneumatics directive for suppliers, erection
		companies, managers and users
		Part 7: Selection piping
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	corus	
	corus	

42	1.1/2"	46.5 P.1 11.01.07 100
72	1.1/2	K1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users
		Part 7: Selection piping
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	corus	
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	Part 7: Selection piping
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		companies, managers and users Part 7: Selection piping
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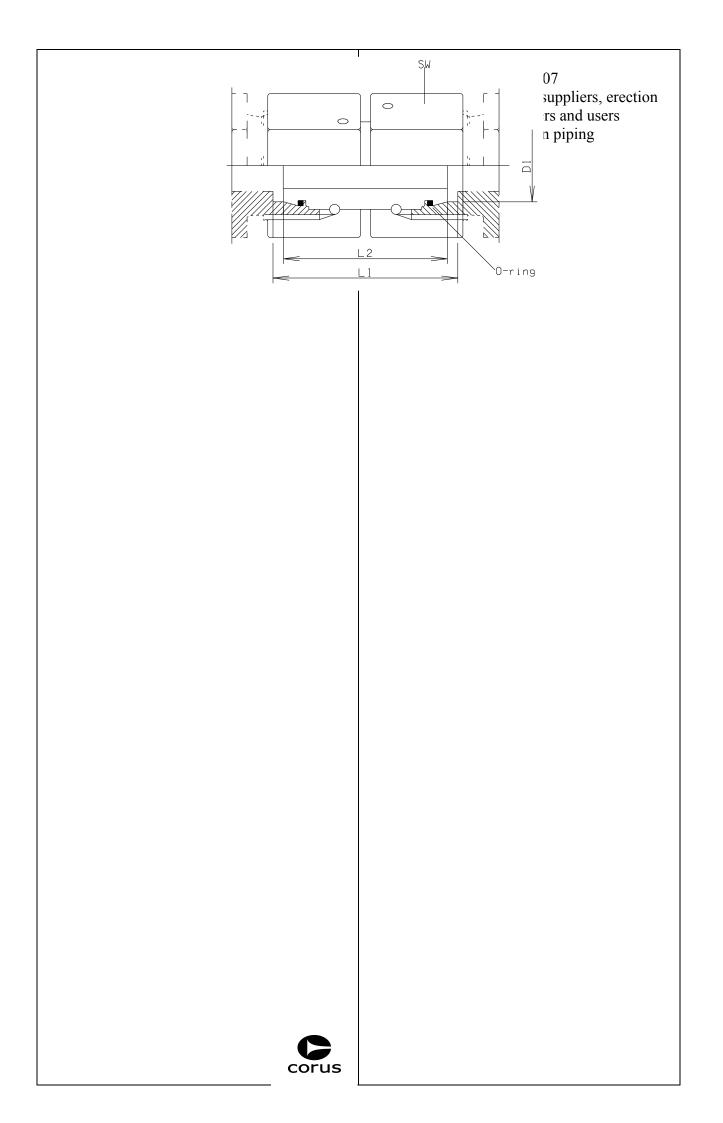
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		companies, managers and users Part 7: Selection piping
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7.10.5.art.b.2.	Straight double couplings both end.	s with premounted cap nut
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Figure 7.13	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Length measures are free.	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	



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Scheme 7.18	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Outside pipe diameter	PN 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

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10		250 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
		Ture 7. Selection piping
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12	250 R1 41 01 07	
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18	160 R1 41 01 07
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22	160 R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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co	orus

28	100 R1 41 01 07
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35	100 R1 41 01 07
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42	100 R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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	Part 7: Selection piping
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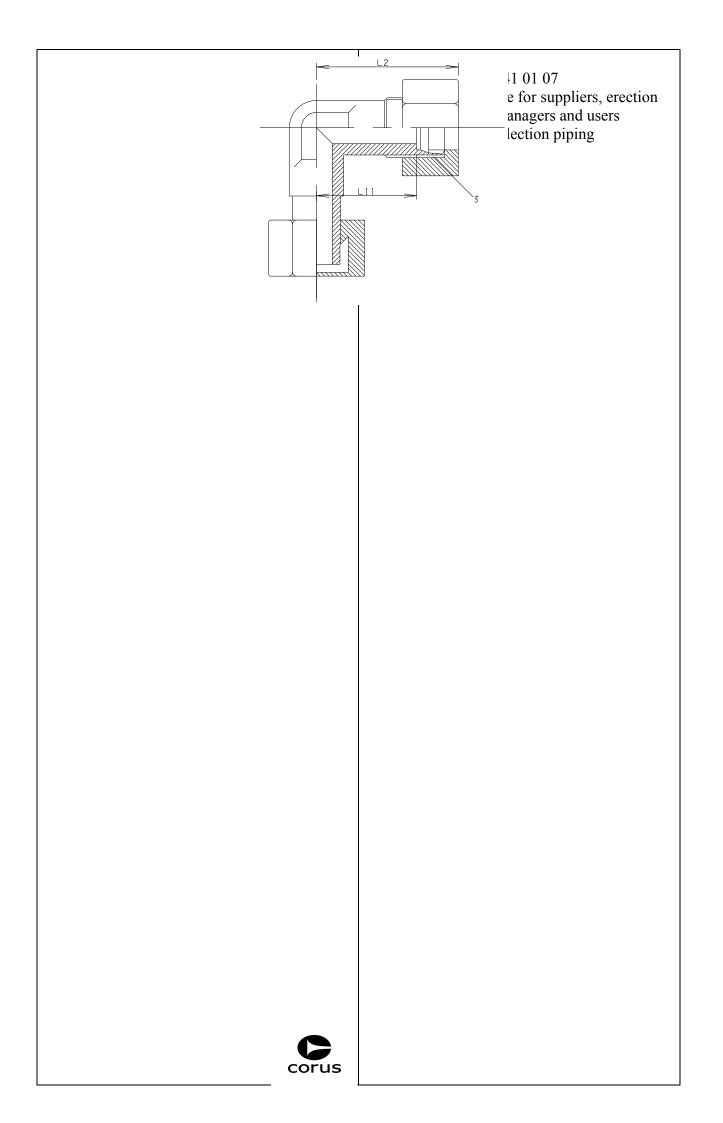
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		Part 7: Selection piping
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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

7.10.5.art.b.3.	Elbow coupling with premounted	cap nut one side R1 41 01 07 Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
		r art 7. Selection piping
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Figure 7.14	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Coupling is equipped with 24° taper with	O-ring R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
corus	



Scheme 7.19	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Outs. Pipe diameter	L2	L11 R1 41 01 07 PN
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

10		30	15		250	
	'		Pneumatic	R1 41 01 s directive for	0/ suppliers, er	ection
			comj I	panies, manage Part 7: Selection	ers and users on piping	
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12	32	17 R1 41 01 07 250
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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18	40	23.5 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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22	4.4	27.5
22	44	27.5 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
	corus	

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47	K1 41 01 0/	
		rection s
	47	Pneumatics directive for suppliers, e companies, managers and user Part 7: Selection piping

35	56	34.5 R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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42	63	R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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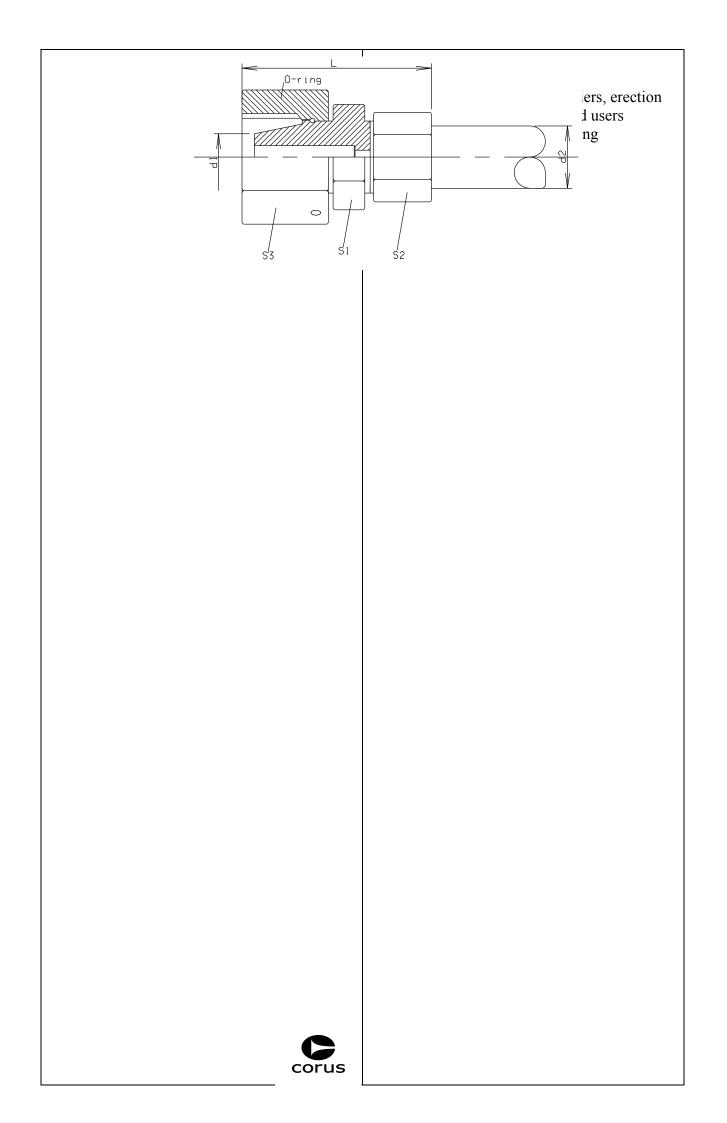
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		Part 7: Selection piping
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corus	

7.10.5.art.b.4.	Straight reducer couplings with p	remounted cap nut one side R1 41 01 07
		Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Figure 7.15	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Dimension 'L' and width between flats 'S1	' are not standardised.
	Pneumatics directive for suppliers, erection companies, managers and users
	Part 7: Selection piping
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	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Scheme 7.20	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
corus	

Outs. Pipe diameter d1	Outs. Pipe	e diameter d2	R1 41 01 67	
		Pneumatics	directive for suppliers,	erection
		compa	anies, managers and use art 7: Selection piping	ers
		1 0	ut 7. Selection piping	
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companies, managers and users Part 7: Selection piping	<u> </u>				R1 41 0 atics directive for	1 07 r suppliers, er	ection
				c	ompanies, manag	gers and users	
					Part 7. Selecti	ion piping	
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	Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	r art 7. Sciection piping
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		companies, managers and users Part 7: Selection piping
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	corus	

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22	18 R1 41 01 07
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	companies, managers and users Part 7: Selection piping
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28		10	160	
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		Pneumati	cs directive for suppliers, er npanies, managers and users Part 7: Selection piping	ection
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28		12	R1 41 01 07	
		comp	s directive for suppliers, er panies, managers and users Part 7: Selection piping	ection
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20			R1 41 01 07	
		Pneumati	ics directive for suppliers, eronpanies, managers and users Part 7: Selection piping	ection
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28		Pneumatics direction companies	tive for suppliers, erects, managers and users Selection piping	ion
		Pneumatics direction companies	ctive for suppliers, erect s, managers and users	ion
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33			R1 41 01 07	
		con	cs directive for suppliers, eronpanies, managers and users Part 7: Selection piping	ection
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		Part /: Selection piping
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			companies, managers and users Part 7: Selection piping
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		companies, managers and users Part 7: Selection piping
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		companies, managers and users Part 7: Selection piping
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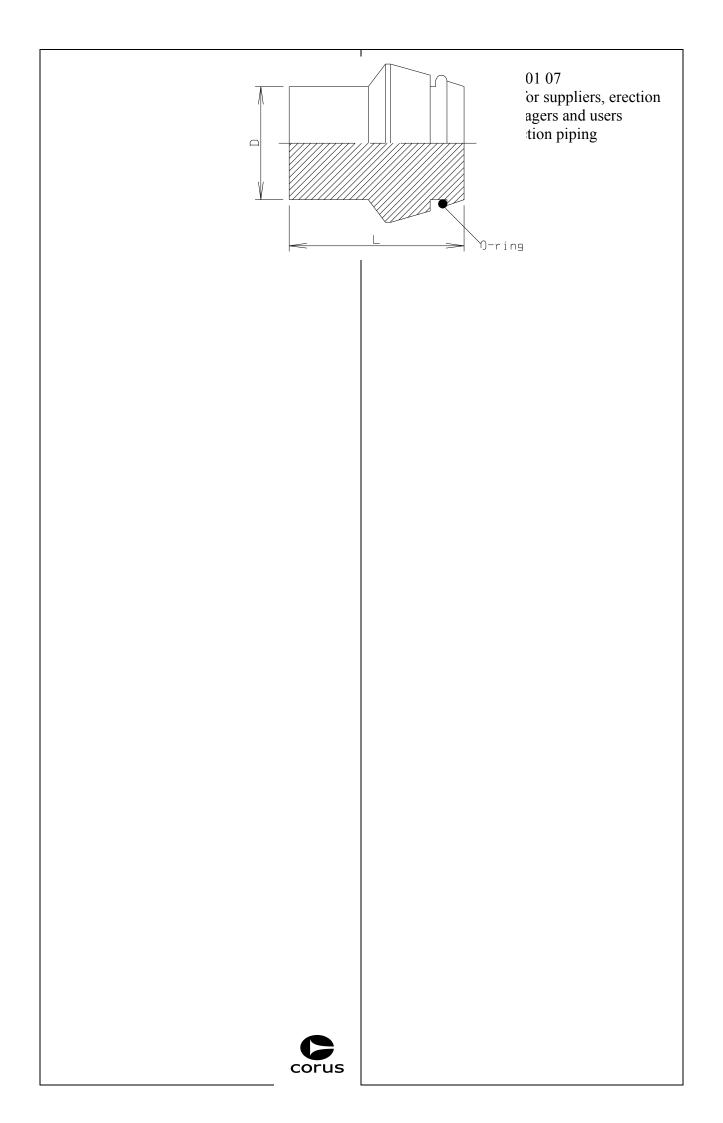


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7.10.5.art.c.	End stops and blanking	g plugs	R1 41 01 07 Pneumatics directive for suppliers, erection
			companies, managers and users Part 7: Selection piping
		corus	

7.10.7	T. J	
7.10.5.art.c.1.	End stops with 24° taper and O-ri	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users
		Part 7: Selection piping
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Figure 7.16	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Dimension 'L' may differ for mentioned bra	ands R1 41 01 07
	Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Scheme 7.21	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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Pipe diameter D	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
	Turt 7. Selection piping
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		companies, managers and users Part 7: Selection piping
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		R1 41 01 07
		Pneumatics directive for suppliers, erection
		companies, managers and users Part 7: Selection piping
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		Pneumatics directive for suppliers, erection
		companies managers and users
		companies, managers and users Part 7: Selection piping
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		R1 41 01 07
		Pneumatics directive for suppliers, erection
		acompanies managers and users
		companies, managers and users Part 7: Selection piping
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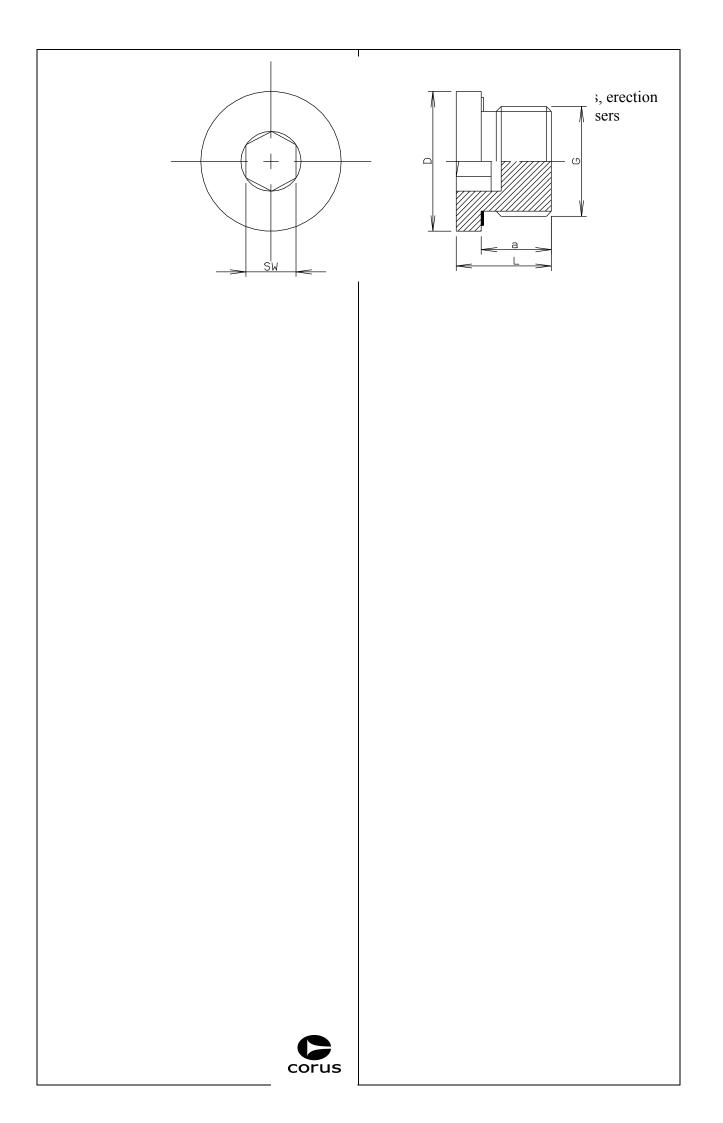
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Figure 7.17	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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7.11. References	I	R1 41 01 07 Pneumatics directive for suppliers, erection companies, managers and users Part 7: Selection piping
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	Part 7. Selection piping
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7.12. Explanation	R1 41 01 07 Pneumatics directive for suppliers, erection
	companies, managers and users Part 7: Selection piping
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