



aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



## Food DIN / SMS Couplings



ENGINEERING YOUR SUCCESS.

## m – Food Couplings DIN / SMS

### Food couplings complying with DIN 11851 and SMS 1148 are not interchangeable

	DIN 11851	SMS 1145
Female coupling	Conical face	Flat face
Male coupling	Deep seal	Turned-up seal
Seal	U-shape seal	Square seal
Male and female thread	Rounded thread complying with DIN 405/1	Rounded thread complying with DIN 405/1
Working pressure	≤DN38 = 40 bar (580 psi) >DN38 = 25 bar (362 psi)	6 bar / 87 psi

### Working temperature

DIN 118514: -30 °C (-22 °F) up to +120 °C (+248 °F)

SMS 1145: -40 °C (-40 °F) up to +145 °C (+293 °F)

Hose, coupling, assembly method and seal must be chosen in relation with the desired application and temperature range.

### Material

- Stainless steel AISI 316 - 1.4401 = hose coupling
- Stainless steel AISI 304 - 1.4301 = nut

### Features

- Manufactured in compliance with the relevant norm, used in the food, chemical and pharmaceutical industry
- Both food couplings are connected the same way with a swivel nut, rounded thread DIN 405/1

### Threads

#### Food coupling DIN 11851

DN	Thread DIN 405/1
13	RD 34 x 1/8"
19	RD 44 x 1/6"
25	RD 52 x 1/6"
32	RD 58 x 1/6"
38	RD 65 x 1/6"
50	RD 78 x 1/6"
63	RD 95 x 1/6"
75	RD 104 x 1/6"
100	RD 130 x 1/4"

#### Food coupling SMS 1145

DN	Thread DIN 405/1
25	RD 40 x 1/6"
32	RD 48 x 1/6"
38	RD 60 x 1/6"
50	RD 70 x 1/6"
63,5	RD 85 x 1/6"
76	RD 98 x 1/6"
100	RD 132 x 1/6"

## Food Couplings DIN 11851

Standard: Hose shank: EN 14420-2 / DIN 2817  
 Material: **Stainless Steel**  
 For hose type: **DRINKPRESS, ENOTRIA, FALERNO, GAMBRINUS, MILK**  
 Assembly:

Safety Clamps	Worm Drive	Bolt clamps	Crimping
X			

### Female

#### Stainless Steel (AISI 316/1.4401)



Part-No.	Hose I.D. mm	Inch	Thread nut	Weight kg/pcs
DKV013	13	1/2	RD 34 x 1/8"	0,22
DKV019	19	3/4	RD 44 x 1/6"	0,28
DKV025	25	1	RD 52 x 1/6"	0,37
DKV032	32	1 1/4	RD 58 x 1/6"	0,44
DKV038	38	1 1/2	RD 65 x 1/6"	0,55
DKV050	50	2	RD 78 x 1/6"	0,76
DKV063	63	2 1/2	RD 95 x 1/6"	1,40
DKV075	75	3	RD 110 x 1/4"	1,89
DKV100	100	4	RD 130 x 1/4"	2,89

### Male

#### Stainless Steel (AISI 316/1.4401)



Part-No.	Hose I.D. mm	Inch	Thread nut	Weight kg/pcs
DKM013	13	1/2	RD 34 x 1/8"	0,10
DKM019	19	3/4	RD 44 x 1/6"	0,14
DKM025	25	1	RD 52 x 1/6"	0,24
DKM032	32	1 1/4	RD 58 x 1/6"	0,32
DKM038	38	1 1/2	RD 65 x 1/6"	0,38
DKM050	50	2	RD 78 x 1/6"	0,41
DKM063	63	2 1/2	RD 95 x 1/6"	0,89
DKM075	75	3	RD 110 x 1/4"	1,35
DKM100	100	4	RD 130 x 1/4"	1,84

## Food SMS Couplings

Standard: Hose shank: **EN 14420-2 / DIN 2817**  
 Material: **Stainless Steel**  
 For hose type: **DRINKPRESS, ENOTRIA, FALERNO, GAMBRINUS, MILK**  
 Assembly:

Safety Clamps	Worm Drive	Bolt clamps	Crimping
X			

### Female



#### Stainless Steel (AISI 316/1.4401)

Part-No.	Hose I.D. mm	Inch	Thread nut	Weight kg/pcs
SMSV025D	25	1	RD 40 x 1/6"	0,23
SMSV032D	32	1 1/4	RD 48 x 1/6"	0,32
SMSV038D	32	1 1/4	RD 60 x 1/6"	0,51
SMSV050D	50	2	RD 70 x 1/6"	0,7
SMSV063D	63	2 1/2	RD 85 x 1/6"	1,04
SMSV075D	75	3	RD 98 x 1/6"	1,61
SMSV100D	100	4	RD 132 x 1/6"	3,32

### Male



#### Stainless Steel (AISI 316/1.4401)

Part-No.	Hose I.D. mm	Inch	Thread nut	Weight kg/pcs
SMSM025D	25	1	RD 40 x 1/6"	0,18
SMSM032D	32	1 1/4	RD 48 x 1/6"	0,25
SMSM038D	32	1 1/4	RD 60 x 1/6"	0,44
SMSM050D	50	2	RD 70 x 1/6"	0,54
SMSM063D	63	2 1/2	RD 85 x 1/6"	0,96
SMSM075D	75	3	RD 98 x 1/6"	1,25
SMSM100D	100	4	RD 132 x 1/6"	1,6

