



Powering Business Worldwide

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Important safety and ordering information

WARNING

Eaton fitting tolerances are engineered to match approved Eaton hose tolerances. The use of Eaton fittings on hose supplied by other manufacturers and/or the use of Eaton hoses with fittings supplied by other manufactures may result in the production of unreliable and unsafe hose assemblies and is neither recommended nor authorized by Eaton or any of its affiliates or subsidiaries.

WARNING

Application considerations must be observed in selecting appropriate components for the application of these products contained herein. The failure to follow the recommendations set forth in this catalog may result in an unstable application which may result in serious personal injury or property damage.

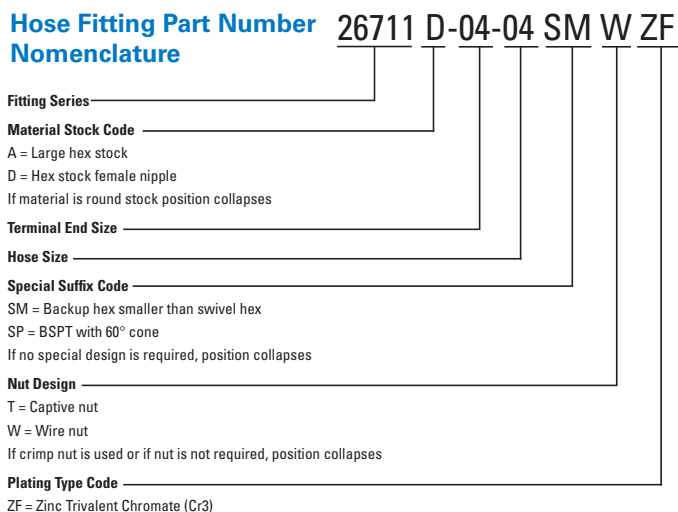
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Failure to follow these processes and product instructions and limitations could lead to premature hose assembly failures resulting in property damage, serious injury or death.

Warranty

Current warranty information can be found at: www.eaton.com/hydraulicswarranty

Hose Fitting Part Number Nomenclature



Hose Installation

Proper installation of the hose is essential to the proper operation and safe use of the hose and related equipment. Improper installation of the hose can result in serious injury or property damage caused by spraying fluids or flying projectiles. In order to avoid serious bodily injury or property damage resulting from improper installation of the hose, you should carefully review the information in this catalog regarding hose installation.

Some of the factors you must consider in installing the hose properly are:

- Changes in length
- Proper bend radius
- Protection from high temperature sources
- Elbows and adapters to relieve strain
- Rubbing or abrasion
- Twisting
- Improper hose movement

These factors and the other information in this catalog regarding hose installation should be considered by you before installing the hose. If you have any questions regarding proper hose installation, please contact Eaton Technical Support.

Hose Maintenance

Proper maintenance of the hose is essential to the safe use of the hose and related equipment. Hose should be stored in a dry place. Hose should also be visually inspected. Any hose that has a cut or gouge in the cover that exposes the reinforcement should be retired from service. Hoses should also be inspected for kinking or broken reinforcement. If the outside diameter of the hose is reduced by 20% at the spot where it is bent then the hose should be retired from service. Inadequate attention to maintenance of the hose can result in hose leakage, bursting, or other failure which can cause serious bodily injury or property damage from spraying fluids, flying projectiles, or other substances.

Eaton Winner Hose Fittings

Braided Hose Fittings

Spiral Hose Fittings

Premium TTC/Z-Series



Features:

- New **DURA-KOTE™** plating technology for up to 1,000 hours of corrosion resistance
- Bite the wire technology for best in class connection and sealing
- Class zero leakage SAE J1176 on approved hose styles
- Over 550 TTC Series part numbers available
- Eaton's **MatchMate™** and **WeatherMATCH™** program provides identification markings on the hose, hose fittings, and crimp dies for quick and easy assembly

Refer to master catalog for more information.

Standard Two-piece Winner



Features:

- Non-skive, two-piece crimp fitting
- One nipple part number for EC115, EC215 and EC118 standard hoses
- Meets industry specifications when used with the EC115, EC215 and EC118 standard hoses
- Clear silver hexavalent chromium-free plating
- Carbon steel material

Premium 4S/6S Spiral Series



Features:

- New **DURA-KOTE™** plating technology for up to 1,000 hours of corrosion resistance
- New patent pending **DURA-SEAL™** technology to eliminate hose assembly cool-down leakage
- Class zero leakage SAE J1176 on approved hose styles
- Eaton's **MatchMate™** and **WeatherMATCH™** spiral-hose/fitting identification system program provides identification markings on the hose, hose fittings, and crimp dies for quick and easy assembly

Refer to master catalog for more information.

DURA-KOTE™ Plating Technology

Hose fittings that will now offer 3x the corrosion protection on carbon steel fittings as compared to competitive hose fittings. Eaton's DURA-KOTE fittings provide up to 1000 hours of corrosion protection. This is a huge step forward in metal fitting corrosion protection. (Only on TTC/Z-Series and 4S/6S fittings)

3X Carbon Steel Corrosion Protection



DURA-SEAL™ Technology

This patent-pending innovation from Eaton eliminates hose assembly cool-down leakage, while extending hose assembly life, reducing equipment down-time. (Only on 4S/6S fittings)

Class 0 Cool-Down Leakage Protection



EC115 Hydraulic Hose



Meets EN 857 Type 1SC

Part #	Hose I.D.		Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC115-04	6.4	0.25	12.6	0.50	225	3,250	900	13,000	50	1.97	0.18	0.12
EC115-06	9.5	0.38	16.0	0.63	180	2,600	720	10,400	63	2.48	0.26	0.17
EC115-08	12.7	0.50	19.4	0.77	160	2,300	640	9,200	90	3.54	0.34	0.23
EC115-10	15.9	0.62	22.4	0.88	130	1,900	520	7,600	100	3.94	0.42	0.28
EC115-12	19.0	0.75	26.0	1.02	105	1,525	420	6,100	120	4.72	0.50	0.34
EC115-16	25.4	1.00	33.8	1.33	88	1,275	352	5,100	160	6.30	0.74	0.50
EC115-20	31.8	1.25	41.2	1.62	63	925	252	3,700	210	8.27	0.99	0.67
EC115-24	38.1	1.50	48.0	1.89	50	725	200	2,900	300	11.81	1.20	0.81
EC115-32	50.8	2.00	61.0	2.41	40	580	160	2,320	400	15.75	1.50	1.01

Operating Temperature :

-40°C to +100°C (-40°F to +212°F)

Fittings:



EC215 Hydraulic Hose



Meets EN 857 Type 2SC

Part #	Hose I.D.		Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC215-04	6.4	0.25	13.5	0.53	400	5,800	1,600	23,200	50	1.97	0.28	0.19
EC215-06	9.5	0.38	17.5	0.69	345	5,000	1,380	20,000	65	2.56	0.41	0.28
EC215-08	12.7	0.50	20.8	0.82	275	4,000	1,100	16,000	90	3.54	0.57	0.38
EC215-10	15.9	0.62	24.0	0.94	250	3,650	1,000	14,600	100	3.94	0.68	0.46
EC215-12	19.0	0.75	27.9	1.10	215	3,125	860	12,500	120	4.72	0.81	0.54
EC215-16	25.4	1.00	35.7	1.40	165	2,400	660	9,600	160	6.30	1.17	0.79
EC215-20	31.8	1.25	43.9	1.73	125	1,800	500	7,200	250	9.84	1.56	1.05
EC215-24	38.1	1.50	51.0	2.01	100	1,450	400	5,800	300	11.81	1.81	1.22
EC215-32	50.8	2.00	63.4	2.50	90	1,300	360	5,200	400	15.75	2.36	1.59

Operating Temperature :

-40°C to +100°C (-40°F to +212°F)

Fittings:



Inner Tube:

Synthetic rubber tube

Reinforcement:

1 steel braid

Cover:

Synthetic rubber cover

Typical Application:

Hydraulic system service with petroleum and water based fluids, for general industrial service.

MSHA Approved

Inner Tube:

Synthetic rubber tube

Reinforcement:

2 steel braids

Cover:

Synthetic rubber cover

Typical Application:

Hydraulic system service with petroleum and water based fluids, for general industrial service.

MSHA Approved

EC118 Hydraulic Hose



Meets SAE100R17

Part #	Hose I.D.		Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC118-04RL	6,4	0.25	12,2	0.48	210,0	3050	840,0	12200	50,8	2.00	0,18	0.12
EC118-06RL	9,5	0.38	15,5	0.61	210,0	3050	840,0	12200	63,5	2.50	0,27	0.18
EC118-08RL	12,7	0.50	19,0	0.75	210,0	3050	840,0	12200	88,9	3.50	0,36	0.24
EC118-10RL*	15,9	0.62	23,8	0.94	210,0	3050	840,0	12200	101,6	4.00	0,69	0.46
EC118-12RL*	19,0	0.75	27,7	1.09	210,0	3050	840,0	12200	120,7	4.75	0,81	0.54
EC118-16RL*	25,4	1.00	36,0	1.42	210,0	3050	840,0	12200	152,4	6.00	1,21	0.81

* Two braids of high tensile wire. "RL" designates reels

Operating Temperature:

-40°C to +100°C (-40°F to +212°F)

Fittings:



TTC/Z-Series



Two-piece Winner

Inner Tube:

Synthetic rubber

Reinforcement:

1 or 2 wire braid reinforcement

Cover:

Synthetic rubber

Embossed layline

Typical Application:

Low and medium pressure hydraulic systems with petroleum and water-based fluids

Construction equipment and agriculture equipment

MSHA Approved

EC415 Hydraulic Hose



Meets SAE 100R12

Part #	Hose I.D.		Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC415-06	9.5	0.38	20.3	0.80	280	4,050	1120	16,200	125	4.92	0.60	0.40
EC415-08	12.7	0.50	23.8	0.94	280	4,050	1120	16,200	180	7.09	0.74	0.50
EC415-10	15.9	0.62	27.7	1.09	280	4,050	1120	16,200	200	7.87	1.03	0.69
EC415-12	19.0	0.75	30.7	1.21	280	4,050	1120	16,200	240	9.45	1.16	0.78
EC415-16	25.4	1.00	38.0	1.50	280	4,050	1120	16,200	300	11.81	1.76	1.18
EC415-20	31.8	1.25	47.0	1.85	210	3,050	840	12,200	420	16.54	2.46	1.65
EC415-24	38.1	1.50	53.5	2.11	175	2,550	700	10,200	500	19.68	2.87	1.92
EC415-32	50.8	2.00	66.7	2.63	175	2,550	700	10,200	630	24.80	4.03	2.70

Operating Temperature:

-40°C to +121°C (-40°F to +250°F)

Fittings:



Inner Tube:

Synthetic rubber

Reinforcement:

4 wire spiral

Cover:

Synthetic rubber

Typical Application:

Hydraulic systems service with petroleum and water based fluids, for general use.

MSHA Approved

EC420 Hydraulic Hose



Meets SAE 100R13

Part #	Hose I.D.		Hose O.D. (nominal)		Working Pressure		Min. Burst Pressure		Min. Bend Radius		Weight	
	mm	in	mm	in	bar	psi	bar	psi	mm	in	kg/m	lbs/ft
EC420-12	19.0	0.75	32.1	1.27	350	5,100	1,400	20,400	240	9.45	1.54	1.03
EC420-16	25.4	1.00	38.7	1.53	350	5,100	1,400	20,400	300	11.81	2.01	1.35
EC420-20	31.8	1.25	49.8	1.96	350	5,100	1,400	20,400	420	16.54	3.78	2.54
EC420-24	38.1	1.50	57.3	2.26	350	5,100	1,400	20,400	500	19.69	4.73	3.18
EC420-32	50.8	2.00	71.6	2.82	350	5,100	1,400	20,400	630	24.80	6.26	4.21

Operating Temperature :

For -12, -20, -24 and -32:

-40°C to +121°C
(-40°F to +250°F)

For -16:

-40°C to +100°C
(-40°F to +212°F)

Fittings:



Inner Tube:

Synthetic rubber

Reinforcement:

-12, -16 size: 4 wire spiral
-20 to -32 size: 6 wire spiral

Cover:

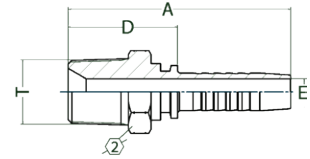
Synthetic rubber

Typical Application:

Suitable for use in hydraulic systems with high peak pressures and arduous operating conditions.





MSHA Approved

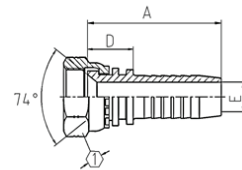
Eaton Winner Hose Fittings



NPTF Male Rigid 15611





For use with hose: EC115, EC215 and EC118

# Part Number	Terminal End			A		D Cut Off Factor		E Ø				Weight		
	Dash Size			DN	Dash Size	mm	in	mm	in			mm	in	kg
15611-F02-04ZF	-02	1/8"x27	6	-04	50,5	1.99	22,5	0.89	4,0	0.16	--	12	0,015	0.033
15611-F04-04ZF	-04	1/4"x18	6	-04	56,0	2.20	28,0	1.10	4,0	0.16	--	17	0,030	0.066
15611-F04-06ZF	-04	1/4"x18	10	-06	57,5	2.26	27,5	1.08	7,0	0.28	--	17	0,032	0.070
15611-F06-06ZF	-06	3/8"x18	10	-06	59,0	2.32	29,0	1.14	7,0	0.28	--	19	0,048	0.106
15611-F08-06ZF	-08	1/2"x14	10	-06	64,0	2.52	34,0	1.34	7,0	0.28	--	22	0,068	0.150
15611-F08-08ZF	-08	1/2"x14	12	-08	66,0	2.60	34,5	1.36	10,0	0.39	--	22	0,075	0.165
15611-F12-12ZF	-12	3/4"x14	20	-12	77,0	3.03	38,5	1.52	15,0	0.59	--	27	0,130	0.286
15611-F16-16ZF	-16	1"x11.5	25	-16	93,5	3.68	46,5	1.83	21,0	0.83	--	36	0,230	0.506

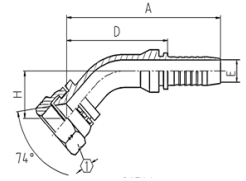


JIC 37° Female Swivel 26711

For use with hose: EC115, EC215 and EC118






# Part Number	Terminal End			A		D Cut Off Factor		E Ø				Weight		
	Dash Size			DN	Dash Size	mm	in	mm	in			mm	in	kg
26711-04-04ZF	-04	7/16"-20	6	-04	43,0	1.69	15,0	0.59	4,0	0.16	14	--	0,020	0.044
26711-06-04ZF	-06	9/16"-18	6	-04	43,5	1.71	15,5	0.61	4,0	0.16	19	--	0,032	0.071
26711-06-06ZF	-06	9/16"-18	10	-06	45,5	1.79	15,5	0.61	7,0	0.28	19	--	0,037	0.082
26711-08-06ZF	-08	3/4"-16	10	-06	47,5	1.87	17,5	0.69	7,0	0.28	22	--	0,054	0.119
26711-08-08ZF	-08	3/4"-16	12	-08	50,0	1.97	18,5	0.73	9,9	0.39	22	--	0,060	0.132
26711-10-08ZF	-10	7/8"-14	12	-08	50,5	1.99	19,0	0.75	10,0	0.39	27	--	0,090	0.198
26711-10-10ZF	-10	7/8"-14	16	-10	53,5	2.11	19,5	0.77	12,0	0.47	27	--	0,100	0.220
26711-12-12ZF	-12	1.1/16"-12	20	-12	60,0	2.36	21,5	0.85	15,0	0.59	32	--	0,130	0.287
26711-16-16ZF	-16	1.5/16"-12	25	-16	70,0	2.76	23,0	0.91	21,0	0.83	41	--	0,210	0.463

Eaton Winner Hose Fittings



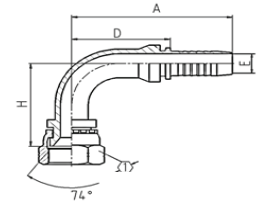
JIC 37° Female 45° Elbow 26741






For use with hose: [EC115](#), [EC215](#) and [EC118](#)

# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		H				 Weight	
					mm	in	mm	in	mm	in	mm	in			mm	mm
26741-04-04ZF	-04	7/16"-20	6	-04	63,1	2.48	35,1	1.38	4,0	0.16	13,0	0.51	14	--	0,035	0.077
26741-06-06ZF	-06	9/16"-18	10	-06	68,8	2.71	38,8	1.53	7,0	0.28	14,8	0.58	19	--	0,062	0.137
26741-08-08ZF	-08	3/4"-16	12	-08	76,8	3.02	45,3	1.78	10,0	0.39	19,0	0.75	22	--	0,105	0.231
26741-10-10ZF	-10	7/8"-14	16	-10	88,4	3.48	54,4	2.14	12,0	0.47	22,1	0.87	27	--	0,146	0.322
26741-12-12ZF	-12	1.1/16"-12	20	-12	97,8	3.85	59,3	2.33	15,0	0.59	24,2	0.95	32	--	0,240	0.529
26741-16-16ZF	-16	1.5/16"-12	25	-16	121,3	4.78	74,3	2.93	21,0	0.83	28,7	1.13	41	--	0,400	0.882

JIC 37° Female 90° Elbow 26791

For use with hose: [EC115](#), [EC215](#) and [EC118](#)

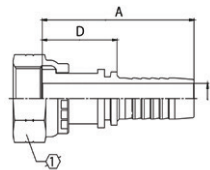


# Part Number	Terminal End	 Thread	 Hose Size		A		D Cut Off Factor		E Ø		H				 Weight	
					mm	in	mm	in	mm	in	mm	in			mm	mm
26791-04-04ZF	-04	7/16"-20	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	26,3	1.04	14	--	0,040	0.088
26791-06-04ZF	-06	9/16"-18	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	27,0	1.06	19	--	0,048	0.106
26791-06-06ZF	-06	9/16"-18	10	-06	64,5	2.54	34,5	1.36	7,0	0.28	31,5	1.24	19	--	0,070	0.154
26791-08-08ZF	-08	3/4"-16	12	-08	71,0	2.80	39,5	1.56	10,0	0.39	40,0	1.57	22	--	0,118	0.260
26791-10-08ZF	-10	7/8"-14	12	-08	71,0	2.80	39,5	1.56	10,0	0.39	42,0	1.65	27	--	0,132	0.291
26791-10-10ZF	-10	7/8"-14	16	-10	83,0	3.27	49,0	1.93	12,0	0.47	47,5	1.87	27	--	0,190	0.419
26791-12-12ZF	-12	1.1/16"-12	20	-12	93,0	3.66	54,5	2.15	15,0	0.59	53,5	2.11	32	--	0,300	0.661
26791-16-16ZF	-16	1.5/16"-12	25	-16	118,0	4.65	71,0	2.80	21,0	0.83	66,1	2.60	41	--	0,460	1.014

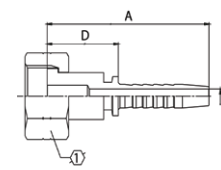
Eaton Winner Hose Fittings

ORS Female Swivel 24211

For use with hose: EC115, EC215



Style 1



Style 2

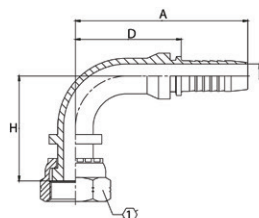
# Part Number	Terminal End	Thread	Hose Size		A		D Cut Off Factor		E Ø				Weight	
			Dash Size	DN	Dash Size	mm	in	mm	in	mm	in	mm	mm	kg
24211-04-04ZF*	-04	9/16"×18	6	-04	50,5	1.99	22,5	0.89	4,0	0.16	17	--	0,034	0.075
24211-06-06ZF*	-06	11/16"×16	10	-06	55,5	2.19	25,5	1	7,0	0.28	22	--	0,055	0.121
24211-08-08ZF*	-08	13/16"×16	12	-08	59,5	2.34	28,0	1.1	10,0	0.39	27	--	0,086	0.19
24211-10-10ZF*	-10	1"×14	16	-10	67,0	2.64	33,0	1.3	12,0	0.47	30	--	0,120	0.265
24211-12-12ZF*	-12	1.3/16"×12	20	-12	73,5	2.89	35,0	1.38	15,0	0.59	36	--	0,195	0.43
24211-16-16TZF**	-16	1.7/16"×12	25	-16	82,0	3.23	35,0	1.38	21,0	0.83	41	--	0,260	0.573

* Denotes Style 1 design

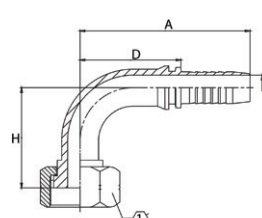
** Denotes Style 2 design

ORS Female 90° Elbow 24291

For use with hose: EC115, EC215



Style 1



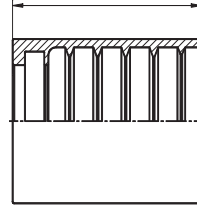
Style 2

# Part Number	Terminal End	Thread	Hose Size		A		D Cut Off Factor		E Ø		H				Weight	
			Dash Size	DN	Dash Size	mm	in	mm	in	mm	in	mm	in	mm	mm	kg
24291-04-04ZF*	-04	9/16"×18	6	-04	58,0	2.28	30,0	1.18	4,0	0.16	41,0	1.61	17	--	0,052	0.115
24291-06-06ZF*	-06	11/16"×16	10	-06	65,3	2.57	35,3	1.39	7,0	0.28	42,5	0.17	22	--	0,090	0.198
24291-08-08ZF*	-08	13/16"×16	12	-08	72,5	2.85	41,0	1.61	10,0	0.39	57,5	2.26	27	--	0,145	0.320
24291-10-10ZF*	-10	1"×14	16	-10	90,0	3.54	56,0	2.20	12,0	0.47	66,0	2.60	30	--	0,235	0.518
24291-12-12ZF*	-12	1.3/16"×12	20	-12	104,0	4.09	65,5	2.58	15,0	0.59	77,0	3.03	36	--	0,390	0.860
24291-16-16TZF**	-16	1.7/16"×12	25	-16	123,9	4.88	76,9	3.03	21,0	0.83	67,5	2.66	41	--	0,504	1.111

* Denotes Style 1 design

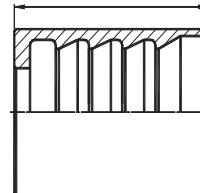
** Denotes Style 2 design

Eaton Winner Hose Sockets



Crimp Socket 1-Wire 00110

Part Number	Hose Size		# Dimension L		OD		Weight	
	DN	Dash Size	mm	in	mm	in	kg	lb
00110-04ANZF	6	-04	27,5	1.08	21,0	0.83	0,03	0.07
00110-06ANZF	10	-06	30,0	1.18	24,3	0.96	0,04	0.08
00110-08ANZF	12	-08	34,0	1.34	28,0	1.10	0,05	0.10
00110-10ANZF	16	-10	37,0	1.46	31,3	1.23	0,06	0.13
00110-12ANZF	20	-12	42,0	1.65	28,7	1.13	0,08	0.17
00110-16ANZF	25	-16	51,0	2.01	43,5	1.71	0,13	0.28



Crimp Socket 2-Wire 03310

Part Number	Hose Size		# Dimension L		OD		Weight	
	DN	Dash Size	mm	in	mm	in	kg	lb
03310-04NZF	6	-04	30,5	1.20	23,0	0.91	0,04	0.09
03310-06NZF	10	-06	32,0	1.26	26,0	1.02	0,04	0.09
03310-08NZF	12	-08	34,0	1.34	29,0	1.14	0,05	0.10
03310-10ANZF	16	-10	35,0	1.38	34,5	1.36	0,06	0.14
03310-12NZF	20	-12	42,0	1.65	37,0	1.46	0,08	0.18
03310-16NZF	25	-16	52,0	2.05	46,7	1.84	0,15	0.33

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