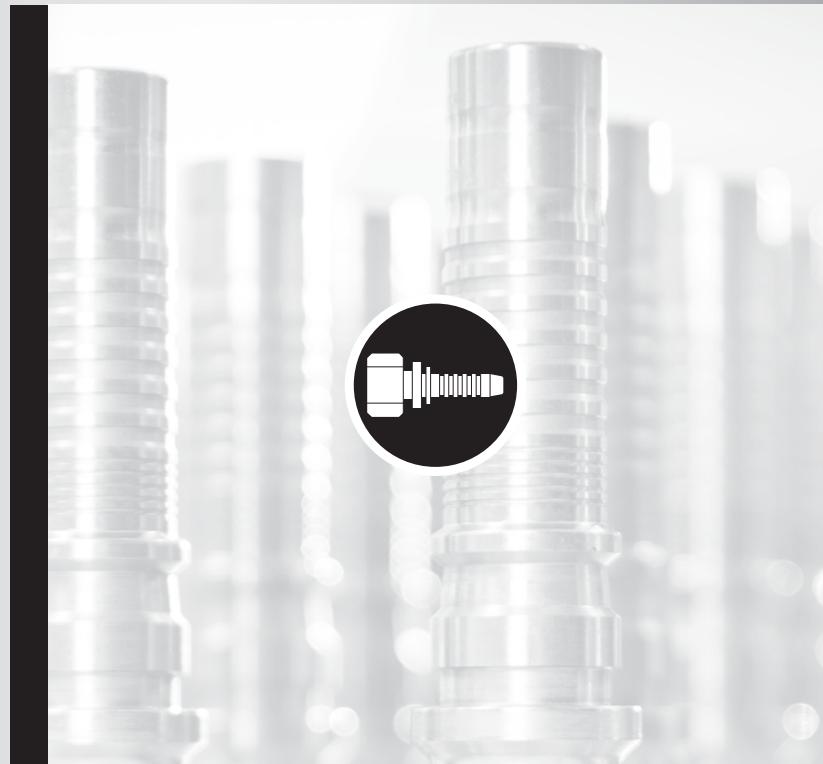
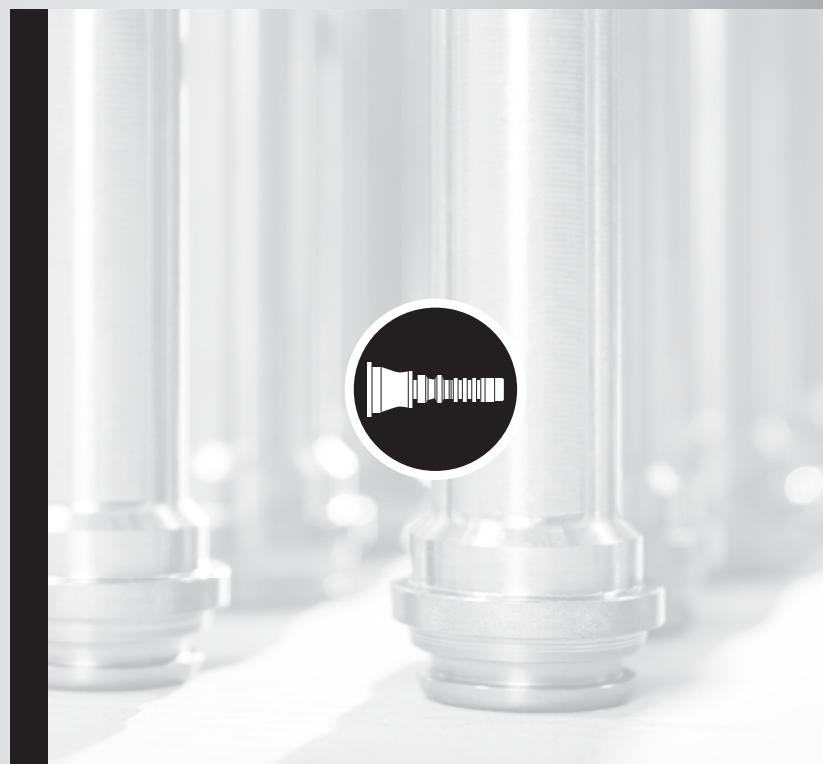




Hose Connectors



High-Pressure Hose Connectors



Catalogue 4  
**STAUFF Hose Connectors**

## **Germany**

**Walter Stauffenberg GmbH & Co. KG**  
Im Ehrenfeld 4  
58791 Werdohl

**[www.stauff.com](http://www.stauff.com)**

STAUFF products and services are globally available through wholly-owned subsidiaries and a tight network of authorised distributors and representatives in all major industrial regions of the world.

**You can find detailed contact information on the last two pages of this product catalogue or at [www.stauff.com/contact](http://www.stauff.com/contact).**

Please note: Unless otherwise stated, all data and figures in this product catalogue are approximate values and are only valid as references, which are not binding (also in respect to any third parties' rights of protection) and thus do not release the customer / user from checking and testing the suitability of the products for the foreseen purposes. Therefore, data and figures can only be used in a limited sense for construction purposes.

The application of the products is beyond the control possibilities of the manufacturer and, therefore, is exclusively subject to the responsibility of the customer / user.

In the event that a liability is nevertheless considered, any compensation will be limited to the value of the goods supplied by the manufacturer and used by the customer / user. As a matter of course, the manufacturer guarantees the perfect quality of all products in accordance with the General Terms and Conditions of Business and Sale.

Subject to modifications due to the ongoing development and improvement of the products.

With the publication of this product catalogue, previous editions are no longer valid.

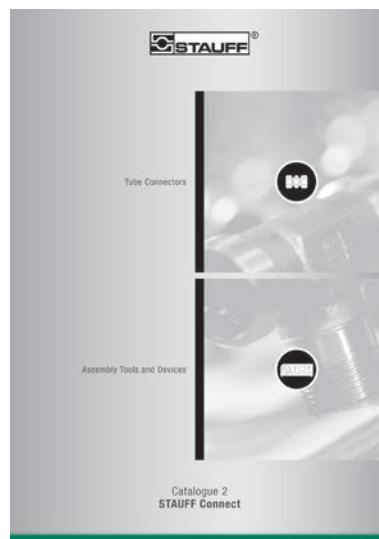
Introduction	4 - 11
ECOVOS Carbon Steel Hose Connectors	12 - 83
ECOVOS <sup>+</sup> Mobile Interlocking Protection	83 - 89
ECOVOS Stainless Steel Hose Connectors	90 - 137
MULTIVOS High-Pressure Carbon Steel Hose Connectors	138 - 177
POWERVOS High-Pressure High-Performance Steel Hose Connectors	178 - 183
Test Mandrels and Mandrel Kits	184 - 187
Technical Appendix	188 - 197
Appendix (Product-Specific Abbreviations / Global Contact Directory)	198 - 203





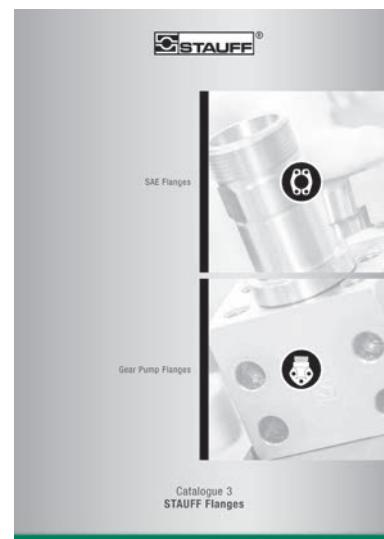
## Catalogue 1 STAUFF Clamps

- Block Clamps
- Special Clamps
- Light Series Clamps
- Saddle Clamps
- U-Bolt Clamps
- Metal Clamps
- Construction Series



## Catalogue 2 STAUFF Connect

- Tube Connectors
- Assembly Tools and Devices



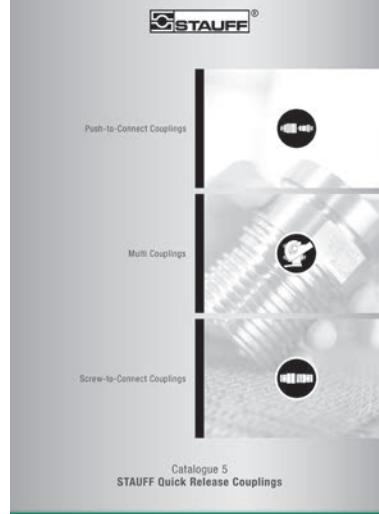
## Catalogue 3 STAUFF Flanges

- SAE Flanges
- Gear Pump Flanges



## Catalogue 4 STAUFF Hose Connectors

- Hose Connectors
- High-Pressure Hose Connectors



## Catalogue 5 STAUFF Quick Release Couplings

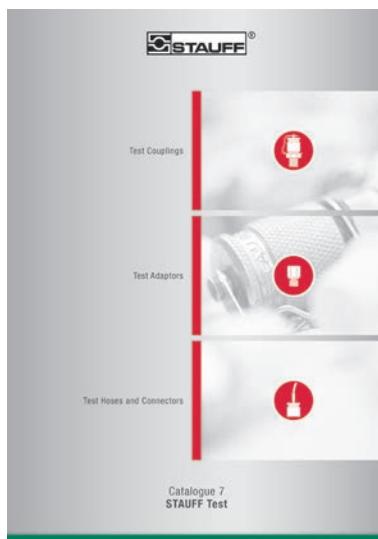
- Push-to-Connect Couplings
- Multi Couplings
- Screw-to-Connect Couplings



## Catalogue 6 STAUFF Valves

- Two-Way Ball Valves
- Multi-Way Ball Valves
- Flow Control and Check Valves
- Gauge Isolator Valves





## Catalogue 7 STAUFF Test

- Test Couplings
- Test Adaptors
- Test Hoses and Connectors



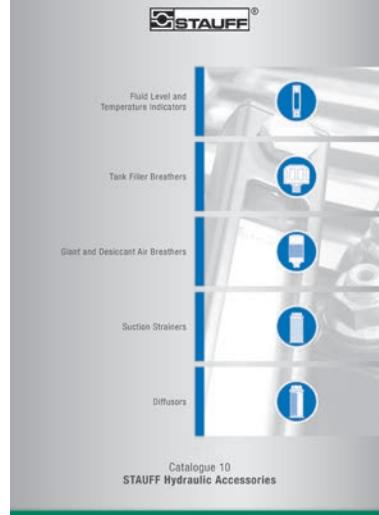
## Catalogue 8 STAUFF Diagtronics

- Pressure Gauges
- Hydraulic Testers
- Oil Analysis Equipment



## Catalogue 9 STAUFF Filtration Technology

- Replacement Filter Elements
- Pressure Filters
- Return-Line Filters
- In-Line Filters
- Spin-On Filters
- Offline and Bypass Filters
- Filtration Systems



## Catalogue 10 STAUFF Hydraulic Accessories

- Fluid Level and Temperature Indicators
- Tank Filler Breathers
- Giant and Desiccant Air Breathers
- Suction Strainers
- Diffusors



For more than 50 years, the companies of STAUFF Group have been developing, manufacturing and distributing pipework equipment and hydraulic components for mechanical and plant engineering and for service and industrial maintenance.

In addition to mobile and industrial hydraulic machinery, typical applications also include commercial and special purpose vehicles, rail transportation and energy technology. Likewise, STAUFF products are used in marine, oil and gas applications and in the process, food and chemical industries.

The overall range currently includes about 50000 standard products as well as numerous special and system solutions according to customer's specifications or based on our in-house development.

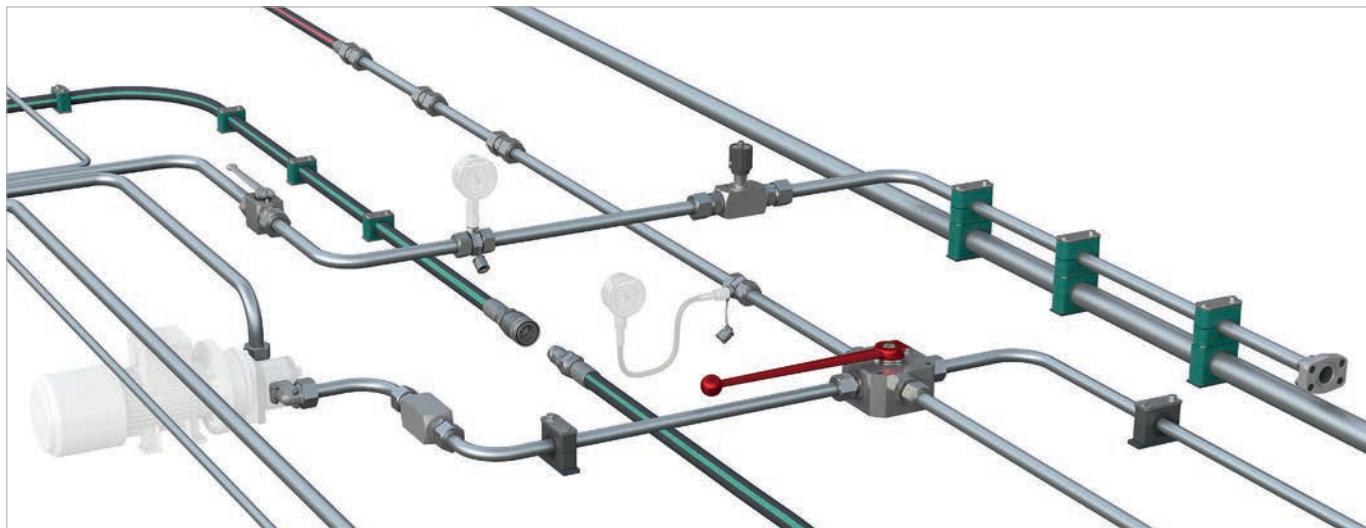
All STAUFF products undergo relevant testing in accordance with international regulations and are governed by the high standards of the in-house quality management system. Furthermore, many items have received certifications and approvals from various international institutes, organisations and authorities who have independently confirmed the quality and performance of the products.

Wholly-owned manufacturing, sales and service facilities in 18 countries and a tight global network of authorised distribution partners ensure high presence and service paired with a maximum of availability.



Quality Management – ISO 9001:2015  
Environmental Management – ISO 14001:2015  
Safety Management – ISO 45001:2018  
Energy Management – ISO 50001:2018

## STAUFF LINE Components



With the seven dedicated **STAUFF Line** product groups

- STAUFF Clamps
- STAUFF Connect
- STAUFF Flanges
- STAUFF Hose Connectors
- STAUFF Quick Release Couplings
- STAUFF Valves
- STAUFF Test

from own, in-house development and manufacturing, the companies of the STAUFF Group provide a comprehensive range of components for fastening and connecting pipes, tubes and hoses for mobile and industrial hydraulic applications and many other industries.

The portfolio is completed by components for shutting-off, regulating, throttling and measuring fluid media.

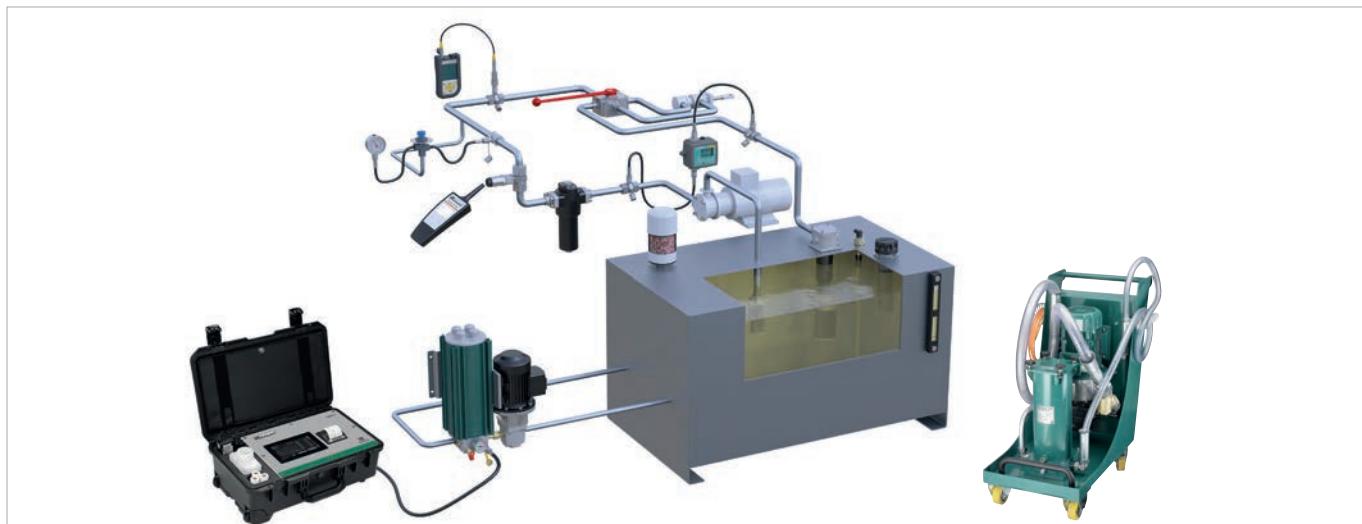
In order to perfectly match each other, STAUFF Line products are designed and offered on a high, uniform level of quality. A large proportion of the range made from steel comes as standard with the premium STAUFF Zinc/Nickel surface coating, which is also optionally available for many of the other components.

This coating offers the most reliable surface protection far beyond the previous market standards – even after transport, handling and assembly of the components – and meets all current legal requirements.

If desired, Original Equipment Manufacturers can be supported with value-added services, from **technical consultation** to **pre-assembly, assembly and kitting** as well as **logistics services**:

- Support with the **selection of suitable standard components** and ordering options; provision of **customised solutions** according to customer's specifications or based on our in-house development – from prototyping to large scale production
- **Analysis and optimization** of existing and design and developments of new systems aimed at increasing the efficiency and performance of machines and equipment and creating value for customers by reducing the total cost
- **Pre-assembly, assembly and kitting** of individual components to customer-specific system modules
- Individually coordinated **procurement solutions** (e.g. web shop and electronic data interchange) and **supply models** (e.g. from warehousing of customised components to Kanban logistics and just-in-time delivery of pre-fabricated system modules to the assembly lines of the customers) aimed at optimising material flows





Aligned with the needs of the market, the product groups

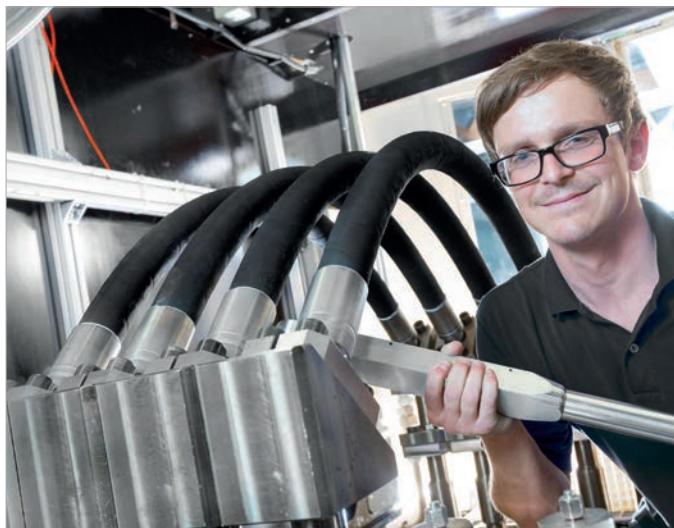
- STAUFF Test
- STAUFF Diagtronics
- STAUFF Filtration Technology
- STAUFF Hydraulic Accessories

include a comprehensive range of analogue and digital measuring equipment and devices, filtration systems and replacement filter elements as well as accessories for the construction of tanks, reservoirs, power packs and gear boxes in mobile and industrial hydraulics.

The offer is completed by relevant value-added services:

- Support with the **selection of suitable components** and ordering options; provision of **customised solutions** according to customer's specifications or based on our in-house development – from prototyping to large scale production
- Analysis of existing hydraulic circuits aimed at filtration systems, tank components and monitoring devices that perfectly match to the specific requirements, and developing integrated concepts to increase the efficiency and performance of machines and equipment
- Individually coordinated **procurement solutions** and **supply models**





## STAUFF Hose Connectors

The STAUFF **ECOVOS** system of hose connectors enables crimping of many different hose types with only one hose insert profile, which results in an immense reduction of endless product varieties.

The use of identical parts with **ECOVOS** means a reduction of individual components by approximately 45 per cent.

**ECOVOS<sup>+</sup>**, the mobile interlocking protection from STAUFF, turns standard ECOVOS components into interlock hose connectors in no time at all, thereby saving inventory costs and increasing economical efficiency.

For larger requirements, **ECOVOS** hose connectors with interlocking protection can also be manufactured as single parts with integrated securing rings.

The **ECOVOS VA** range provides the system of hose connectors in Stainless Steel.

**MULTIVOS** is the name of the STAUFF range of high-pressure hose connectors which offers customers the opportunity to use two types of hoses (R15 and 4SH) with only one hose insert profile.

**POWERVOS** is an advanced development of the **MULTIVOS** range. This product series was designed especially for hammer/breaker operation in construction equipment for use in quarries.

**POWERVOS** is especially designed and constructed using high-performance materials to withstand high impulses. The hose connectors are suitable for use with hose types 4SH/AS and R15/AS.





## STAUFF Zinc/Nickel Coating



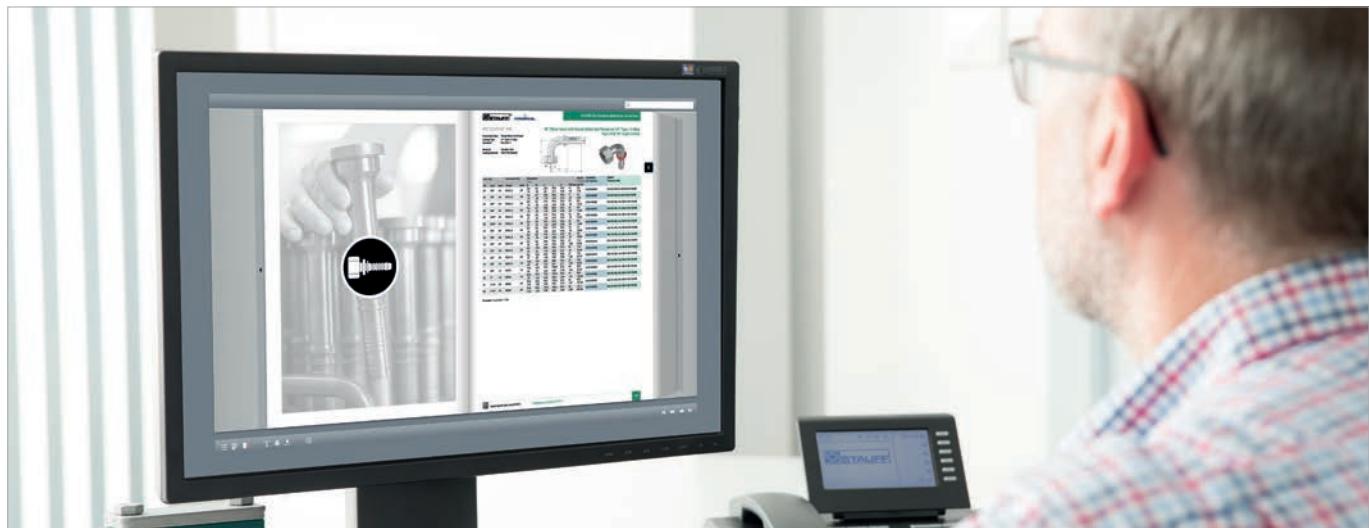
**Layers**  
■ Sealing  
■ Passivation  
■ Zinc/Nickel  
■ Steel

The STAUFF Zinc/Nickel Coating offers excellent surface protection – even after transport, handling and assembly. This was confirmed by testing in the salt-spray chamber according to DIN EN ISO 9227.

Users across all industries and applications benefit from sophisticated technology, which has been developed for and used by the very demanding automotive industry for many years now and that is already the proven standard for a large proportion of STAUFF hose connectors since 2007.

- At least 1200 hours (before crimping) resistance to red rust / base metal corrosion in the salt-spray chamber according to DIN EN ISO 9227
- White rust occurs only by way of a slight grey haze
- Free of hexavalent chrome Cr(VI)
- ELV compliant according to 2000/53/EC (End of Life Vehicles Directive)
- REACH compliant according to 1907/2006/EC (Registration, Evaluation, Authorisation and Restriction of Chemicals)
- RoHS compliant according to 2002/95/EC (Restrictions of the Use of Hazardous Substances)
- Appealing colour scheme with a bright semi-gloss surface finish
- Significantly reduced tendency to corrosion by contact with other metals (such as Aluminium and Stainless Steel)
- Improved abrasion resistance due to the ductility / plastic deformability of the coating
- Little to no risk of triggering allergies – nickel release is down to only a fraction of the statutory limits relating to objects which come into direct and prolonged contact with the skin (independent results of the reference test method according DIN EN 1811 are available on request)
- Good paint adhesion properties
- Resistance against all commonly used hydraulic media





## [www.stauff.com/catalogues](http://www.stauff.com/catalogues)

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## [www.stauff.com](http://www.stauff.com)

With the STAUFF Digital Platform available at [www.stauff.com](http://www.stauff.com), commercial customers and users of STAUFF products can not only inform themselves in all detail about the 50000 components typically available from stock, but also directly purchase these online without complex registration.

### Main Functionalities of the STAUFF Digital Platform:

- 24h Around the clock**  
Check stock availability and pricing for STAUFF products in real time
- Cross references**  
Search by article designations of other manufacturers / suppliers
- Live chat**  
Get directly in touch with the STAUFF customer service and sales team
- CAD database**  
Download 3D models and 2D drawings for STAUFF products

### Advantages as a Registered User of the STAUFF Digital Platform:

- Purchase STAUFF products**  
Taking customer-specific pricing and delivery conditions into account
- Ordering w/o searching**  
Quick ordering by entering article number, quantity and requested delivery date
- File upload**  
Direct upload of orders with multiple positions in CSV or Excel file format
- Notepad function**  
Create project lists to save interesting products for later

## [www.stauff.com/cad](http://www.stauff.com/cad)

Immediate access to and free download of 3D models and 2D drawings for a growing number of STAUFF products

## [www.filterinterchange.com](http://www.filterinterchange.com)

Online database for the quick and easy identification and interchange of almost all common brands and types of replacement filter elements

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	<b>Skive/Non-Skive Swage Ferrule for Braided and Spiral Hose</b> Series 15000 / UVOS	14
	<b>Non-Skive Swage Ferrule for Braided Hose</b> Series 15011	16
	<b>Skive/Non-Skive Swage Ferrule for Braided Hose</b> Series 15021	17
	<b>Skive Swage Ferrule for Braided and Spiral Hose</b> Series 15031	18
	<b>Non-Skive Swage Ferrule for Compact Braided Hose</b> Series 15211 / AGRIVOS	19
	<b>Non-Skive Swage Ferrule for Compact Braided Hose</b> Series 15311 / CVOS	20
	<b>Non-Skive Swage Ferrule for Hose with Textile Insert</b> Series 15330	21
	<b>Straight Insert with Male Metric Thread and 24° Conical Bore</b> CEL (Light Series)	22
	<b>Straight Insert with Male Metric Thread and 24° Conical Bore</b> CES (Heavy Series)	23
	<b>Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring</b> DKOL (Light Series)	24
	<b>45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring</b> DKOL 45° (Light Series)	26
	<b>90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring</b> DKOL 90° (Light Series)	28
	<b>Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring</b> DKOS (Heavy Series)	30
	<b>45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring</b> DKOS 45° (Heavy Series)	32
	<b>90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring</b> DKOS 90° (Heavy Series)	34

	<b>Straight Insert with Female Metric Nut Thread and Metal Seat DKK</b>	44		<b>Straight Insert with Female BSPP Thread and 60° Taper DKR</b>	64
	<b>45° Elbow Insert with Female Metric Thread and Metal Seat DKK 45°</b>	45		<b>45° Elbow Insert with Female BSPP Thread and 60° Taper DKR 45°</b>	65
	<b>90° Elbow Insert with Female Metric Thread and Metal Seat DKK 90°</b>	46		<b>90° Elbow Insert with Female BSPP Thread and 60° Taper DKR 90°</b>	66
	<b>Straight Insert with Male BSPP Thread and 60° Conical Bore AGR</b>	47		<b>Straight Insert with Female BSPP Thread DKRF</b>	67
	<b>Straight Insert with Male BSPP Thread AGR</b>	48		<b>90° Elbow Insert with Female BSPP Thread DKRF 90°</b>	68
	<b>Straight Insert with Male BSPT Thread AGR</b>	49		<b>Straight Insert with Female UN/UNF Thread and 74° Conical Bore DKJ</b>	69
	<b>Straight Insert with Male UN/UNF Thread and 74° Taper AGJ</b>	50		<b>45° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore DKJ 45°</b>	70
	<b>Straight Insert with Male BSPP Thread and 60° Taper AGJG</b>	51		<b>90° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore DKJ 90°</b>	71
	<b>45° Elbow Insert with Male BSPP Thread and 60° Taper AGJG 45°</b>	52		<b>Straight Insert with Female BSPP Thread and 60° Conical Bore DKJG</b>	72
	<b>90° Elbow Insert with Male BSPP Thread and 60° Taper AGJG 90°</b>	53		<b>45° Elbow Insert with Female BSPP Thread and 60° Conical Bore DKJG 45°</b>	73
	<b>Straight Insert with Male Metric Thread and 60° Taper AGJM</b>	54		<b>90° Elbow Insert with Female BSPP Thread and 60° Conical Bore DKJG 90°</b>	74
	<b>90° Elbow Insert with Male Metric Thread and 60° Taper AGJM 90°</b>	55		<b>Straight Insert with Female Metric Thread and 60° Conical Bore DKJM</b>	75
	<b>Straight Insert with Male NPTF Thread and 60° Conical Bore AGN</b>	56		<b>45° Elbow Insert with Female Metric Thread and 60° Conical Bore DKJM 45°</b>	76
	<b>Straight Insert with O-Ring Face Seal Connection ORFS</b>	57		<b>90° Elbow Insert with Female Metric Thread and 60° Conical Bore DKJM 90°</b>	77
	<b>Straight Insert with SAE Flange Adaptor SFL (3000 PSI Series)</b>	58		<b>Straight Insert with Female UN/UNF Thread for O-Ring Face Seal Connection ORS</b>	78
	<b>45° Elbow Insert with SAE Flange Adaptor SFL 45° (3000 PSI Series)</b>	59		<b>45° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection ORS 45°</b>	79
	<b>90° Elbow Insert with SAE Flange Adaptor SFL 90° (3000 PSI Series)</b>	60		<b>90° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection ORS 90°</b>	80
	<b>Straight Insert with SAE Flange Adaptor SFS (6000 PSI Series)</b>	61		<b>Straight Insert with Pressure Washer Connector WCS</b>	81
	<b>45° Elbow Insert with SAE Flange Adaptor SFS 45° (6000 PSI Series)</b>	62		<b>Straight Insert with Pressure Washer Connector WCC</b>	81
	<b>90° Elbow Insert with SAE Flange Adaptor SFS 90° (6000 PSI Series)</b>	63		<b>Straight Metric Banjo Insert RGN</b>	82
				<b>Straight Imperial Banjo Insert RGNG</b>	83



## UVOS Skive/Non-Skive Swage Ferrule for Braided and Spiral Hose

A

**The patented STAUFF UVOS system contains a comprehensive range of skive/non-skive swage ferrules for braided and spiral hose according to EN 853, EN 854, EN 857 and EN 856.**

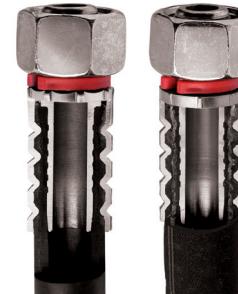
**It is available for standard hose sizes from DN 06 to DN 12 (equals 1/4" to 1/2" and -04 to -08) with only one swage ferrule required per nominal size.**

- Convincingly simple and extremely easy use
- Flow cross section enlarged by the patented "self-adjusting" design of the ferrule
- Preventing the hose insert from collapsing and constricting the flow due to the ability to adapt to the hose and hose insert parameters
- Providing the prerequisite for reducing the wall thickness of the hose insert and consequently achieving a substantially larger clear flow cross section in the constriction zone
- Resulting in a significant improvement in hydraulic output while achieving excellent connection stability without creating tension in the connection zone which exceeds the yield strength of the hose insert material

**Skive**



**Non-Skive**



**EN 853  
1SN/2SN  
1ST/2ST (skive)**

**EN 854  
2TE/3TE**

**EN 857  
1SC/2SC**

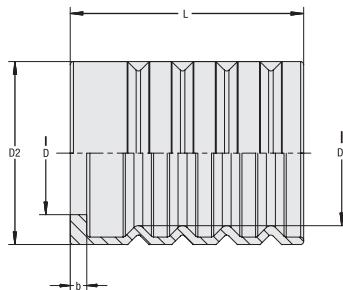
**EN 856  
4SP**



**Suitable for** 1SN, 2SN, 1ST, 2ST, 1SC, 2SC,  
1SN-K, 2SN-K, 2TE, 3TE, 4SP  
**Standards** EN 853, EN 854, EN 856, EN 857  
**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Maximum working pressures depending on the type of the hose connector and the hose type.

### UVOS Skive/Non-Skive Swage Ferrule for Braided and Spiral Hose Series 15000

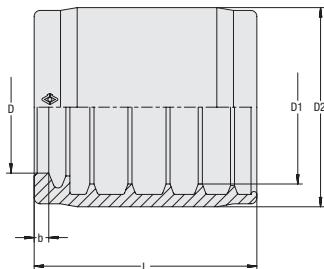

**A**

Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
06	1/4"	-04	12,5	15,6	20,6	31,0	2,4	1,9	HF-2000-06-W3
			.49	.61	.81	1.22	.09	4.19	
08	5/16"	-05	14,0	17,5	22,5	31,0	2,4	2,2	HF-2000-08-W3
			.55	.69	.89	1.22	.09	4.85	
10	3/8"	-06	15,0	20,0	26,0	34,0	2,6	3,3	HF-2000-10-W3
			.59	.79	1.02	1.34	.10	7.28	
12	1/2"	-08	19,5	23,0	29,0	37,0	2,6	3,9	HF-2000-12-W3
			.77	.91	1.14	1.46	.10	8.60	



## Non-Skive Swage Ferrule for Braided Hose Series 15011

A



**Suitable for Standards** 1SN, 2SN, 2SC, 2SN-K  
EN 853, EN 857

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Maximum working pressures depending on the type of the hose connector and the hose type.

Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
05	1/8"	-03	9,8	12,5	17,0	27,3	2,0	1,7	HF-1001-05-W3
			.39	.49	.67	1.07	.08	3.64	
05	1/8"	-03	9,8	14,0	18,6	27,3	2,0	2,0	HF-1002-05-W3
			.39	.55	.73	1.07	.08	4.30	
06	1/4"	-04	11,8	15,7	21,0	31,0	2,5	2,6	HF-1000-06-W3
			.46	.62	.83	1.22	.10	5.62	
08	5/16"	-05	13,2	17,3	22,5	31,0	2,5	2,7	HF-1000-08-W3
			.52	.68	.89	1.22	.10	5.84	
10	3/8"	-06	15,5	19,8	26,5	33,0	2,5	4,7	HF-1000-10-W3
			.61	.78	1.04	1.30	.10	10.25	
12	1/2"	-08	19,2	23,0	30,0	36,0	2,5	5,7	HF-1000-12-W3
			.76	.91	1.18	1.42	.10	12.57	
16	5/8"	-10	22,5	26,2	34,0	38,0	2,5	7,8	HF-1000-16-W3
			.89	1.03	1.34	1.50	.10	17.09	
19	3/4"	-12	25,5	30,1	38,0	44,0	3,0	10,4	HF-1000-19-W3
			1.00	1.19	1.50	1.73	.12	22.82	
25	1"	-16	32,8	38,8	47,0	52,0	3,7	16,4	HF-1000-25-W3
			1.29	1.53	1.85	2.05	.15	36.16	
31	1 1/4"	-20	40,5	49,3	57,0	60,0	4,0	21,1	HF-1000-31-W3
			1.59	1.94	2.24	2.36	.16	46.53	
38	1 1/2"	-24	46,6	55,8	65,0	73,0	4,3	37,5	HF-1000-38-W3
			1.83	2.20	2.56	2.87	.17	82.58	
51	2"	-32	58,9	68,5	78,0	80,0	4,3	50,0	HF-1000-51-W3
			2.32	2.70	3.07	3.15	.17	110.25	

### Related Products and Accessories



Test Mandrels

Pages 185-187

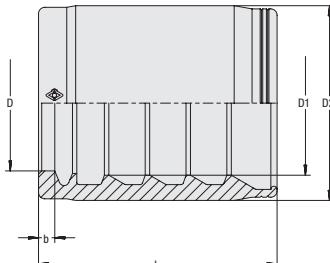


**Suitable for Standards** 1SN, 2SC, 2SN-K, 1SC, 1SN-K  
EN 853, EN 857

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Maximum working pressures depending on the type of the hose connector and the hose type.

### Skive/Non-Skive Swage Ferrule for Braided Hose Series 15021



Hose Size			Dimensions (mm/in)				Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b	
05	1/8"	-03	9,4	10,9	17,3	27,3	2,0	2,4
			.37	.43	.68	1.07	.08	5.29
06	1/4"	-04	11,0	13,2	20,0	31,0	2,5	3,1
			.43	.52	.79	1.22	.10	6.84
08	5/16"	-05	12,6	15,5	20,6	31,0	2,6	2,55
			.50	.61	.81	1.22	.10	5.62
10	3/8"	-06	14,1	16,6	23,6	33,0	2,5	4,3
			.56	.65	.93	1.30	.10	9.37
12	1/2"	-08	17,6	19,5	27,0	35,0	2,5	5,6
			.69	.77	1.06	1.38	.10	12.35
16	5/8"	-10	21,6	23,0	31,0	38,0	2,6	7,5
			.85	.91	1.22	1.50	.10	16.54
19	3/4"	-12	24,5	26,8	35,0	44,0	3,0	10,3
			.96	1.06	1.38	1.73	.12	22.60
25	1"	-16	30,4	34,1	42,0	52,0	3,7	14,3
			1.20	1.34	1.65	2.05	.15	31.42
38	1 1/2"	-24	44,4	51,3	62,0	68,0	4,3	42,4
			1.75	2.02	2.44	2.68	.17	93.38
51	2"	-32	56,7	64,0	75,0	80,0	4,3	62,0
			2.23	2.52	2.95	3.15	.17	136.60

### Related Products and Accessories



Test Mandrels

Pages 185-187

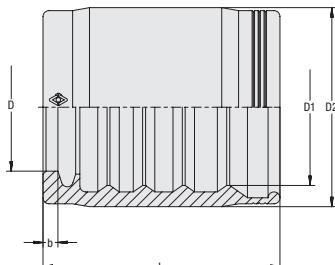


[www.stauff.com/4/en/#17](http://www.stauff.com/4/en/#17)

Catalogue 4 • Edition 02/2025

## Skive Swage Ferrule for Braided and Spiral Hose Series 15031

A



**Suitable for** 2SN, SPC3, 4SP  
4SH (DN 19 to DN 31)  
**Standards** EN 853, EN 856

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Maximum working pressures depending on the type of the hose connector and the hose type.

Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
05	1/8"	-03	9,4	12,3	19,0	27,3	2,0	2,8	HF-3002-05-W3
			.37	.48	.75	1,07	.08	6,17	
06	1/4"	-04	10,2	15,5	22,0	34,0	2,5	4,1	HF-3000-06-W3
			.40	.61	.87	1,34	.10	8,93	
08	5/16"	-05	12,7	17,2	23,0	31,0	2,5	3,45	HF-3000-08-W3
			.50	.68	.91	1,22	.10	7,61	
10	3/8"	-06	14,5	18,9	26,0	38,0	2,5	5,5	HF-3000-10-W3
			.57	.74	1,02	1,50	.10	12,13	
12	1/2"	-08	18,5	22,2	30,0	40,0	2,5	7,5	HF-3000-12-W3
			.73	.87	1,18	1,57	.10	16,54	
16	5/8"	-10	21,6	26,4	33,6	40,0	2,5	8,3	HF-3000-16-W3
			.85	1,04	1,32	1,57	.10	18,30	
19	3/4"	-12	25,0	30,2	39,0	50,0	3,0	15,3	HF-3000-19-W3 <sup>1</sup>
			.98	1,19	1,54	1,97	.12	33,63	
25	1"	-16	30,9	36,7	46,0	60,0	3,7	21,8	HF-3000-25-W3 <sup>1</sup>
			1,22	1,44	1,81	2,36	.15	48,07	
31	1 1/4"	-20	38,8	47,0	57,0	65,0	4,0	33,4	HF-3000-31-W3 <sup>1</sup>
			1,53	1,85	2,24	2,56	.16	73,54	
38	1 1/2"	-24	44,4	53,7	65,0	73,0	4,3	51,9	HF-3000-38-W3
			1,75	2,11	2,56	2,87	.17	114,33	
51	2"	-32	57,3	66,6	78,0	80,0	4,3	68,4	HF-3000-51-W3
			2,26	2,62	3,07	3,15	.17	150,71	

<sup>1</sup> Approved for use with spiral hose 4SH according to EN 856.

### Related Products and Accessories



Test Mandrels

Pages 185-187

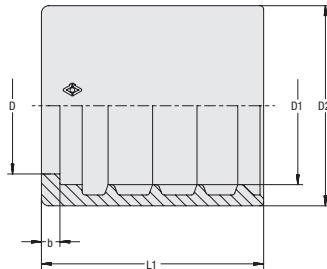


**AGRIVOS Non-Skive Swage Ferrule for Compact Braided Hose  
Series 15211**

**Suitable for** 2SC, 2SN-K  
**Standard** EN 857  
**Pressure Level** Isobaric 250 bar / 25 MPa / 3625 PSI

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Maximum working pressures depending on the type of the hose connector and the hose type.



Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
06	1/4"	-04	11,4	14	18,8	25,0	2,5	1,95	HF-1003-06-W3
			.45	.55	.74	.98	.10	4,30	
08	5/16"	-05	13,6	15,8	20,6	25,0	2,5	2,1	HF-1003-08-W3
			.54	.62	.81	.98	.10	4,63	
10	3/8"	-06	15,0	18,0	23,6	26,5	2,5	3,1	HF-1003-10-W3
			.59	.71	.93	1,04	.10	6,84	
12	1/2"	-08	18,4	21,3	27,0	30,0	2,5	3,8	HF-1003-12-W3
			.72	.84	1,06	1,18	.10	8,27	

**Related Products and Accessories**


Test Mandrels

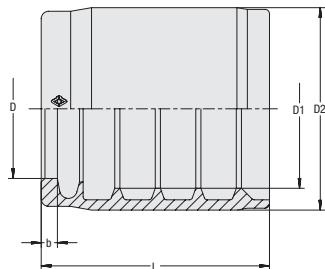
Pages 185-187


[www.stauff.com/4/en/#19](http://www.stauff.com/4/en/#19)

Catalogue 4 • Edition 02/2025

## CVOS Non-Skive Swage Ferrule for Compact Braided Hose Series 15311

A



**Suitable for Standard** 1SC, 2SC, 1SN-K, 2SN-K  
EN 857

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Maximum working pressures depending on the type of the hose connector and the hose type.

Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
06	1/4"	-04	11,2 .44	14,5 .57	19,0 .75	26,0 1.02	2,2 .09	1,7 3,75	HF-1004-06-W3
			13,2 .52	16,4 .65	21,0 .83	26,0 1.02	2,2 .09	2,0 4,30	HF-1004-08-W3
08	5/16"	-05	15,0 .59	18,0 .71	24,0 .94	27,5 1.08	2,2 .09	3,2 7,06	HF-1004-10-W3
			18,9 .74	21,6 1.12	28,5 1.12	31,0 1.22	2,2 .09	3,6 7,83	HF-1004-12-W3
10	3/8"	-06							
12	1/2"	-08							

### Related Products and Accessories



Test Mandrels

Pages 185-187

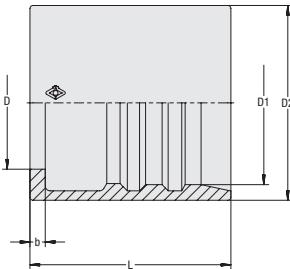


**Suitable for** 2TE, 3TE  
**Standard** EN 854

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Maximum working pressures depending on the type of the hose connector and the hose type.

### Non-Skive Swage Ferrule for Hose with Textile Insert Series 15330



Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
05	1/8"	-03	9,8 .39	12,5 .49	17,0 .67	27,3 1,07	2,0 .08	1,65 3,64	HF-1001-05-W3
05	1/8"	-03	9,8 .39	14,0 .55	18,6 .73	27,3 1,07	2,0 .08	2,0 4,30	HF-1002-05-W3
06	1/4"	-04	11,6 .46	15,3 .60	19,0 .75	28,0 1,10	2,4 .09	1,85 4,08	HF-1005-06-W3
08	5/16"	-05	12,8 .50	17,2 .68	22,3 .88	30,2 1,19	2,5 .10	2,9 6,39	HF-1005-08-W3
10	3/8"	-06	14,9 .59	19,2 .76	23,0 .91	29,5 1,16	2,4 .09	2,5 5,51	HF-1005-10-W3
12	1/2"	-08	18,5 .73	23,0 .91	27,0 1,06	31,0 1,22	2,5 .10	3,1 6,84	HF-1005-12-W3
16	5/8"	-10	21,8 .86	26,9 1,06	32,0 1,26	33,0 1,30	2,5 .10	5,3 11,69	HF-1005-16-W3
19	3/4"	-12	24,6 .97	29,9 1,18	35,0 1,38	37,5 1,48	3,0 .12	6,7 14,66	HF-1005-19-W3
25	1"	-16	30,8 1,21	37,2 1,46	42,0 1,65	45,5 1,79	3,4 .13	9,8 21,50	HF-1005-25-W3
31	1 1/4"	-20	37,9 1,49	43,5 1,71	48,0 1,89	55,0 2,17	3,8 .15	12,8 28,22	HF-1005-31-W3
51	2"	-32	56,8 2,24	64,5 2,54	75,9 2,99	78,5 3,09	4,0 .16	61,5 135,50	HF-1005-51-W3

#### Related Products and Accessories



Test Mandrels

Pages 185-187

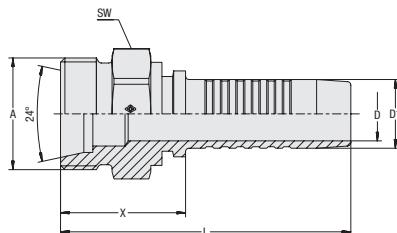


[www.stauff.com/4/en/#21](http://www.stauff.com/4/en/#21)

Catalogue 4 • Edition 02/2025

## Straight Insert with Male Metric Thread and 24° Conical Bore Type CEL (Light Series)

A



<b>Connection Type</b>	Male Metric Thread
<b>Sealing Type</b>	24° Conical Bore (Shape W acc. to DIN 3861)
<b>Standard</b>	ISO 8434-1
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
05	1/8"	-03	M12x1,5	-03	2,9 .11	5,1 .20	22,0 .87	47,0 1.85	14,0 .55	1,8 3,97	HCS-05-CE-06L-M-W3
06	1/4"	-04	M14x1,5	-04	3,9 .15	6,7 .26	23,5 .93	53,5 2.11	14 .55	2,3 5,07	HCS-06-CE-08L-M-W3
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	23,5 .93	53,5 2.11	14 .55	2,2 4,85	HCS-06-CE-06L-M-W3
06	1/4"	-04	M16x1,5	-05	3,9 .15	6,7 .26	25,5 1.00	55,5 2.19	17 .67	3,1 6,73	HCS-06-CE-10L-M-W3
06	1/4"	-04	M18x1,5	-06	3,9 .15	6,7 .26	25,5 1.00	55,5 2.19	19,0 .75	3,4 7,50	HCS-06-CE-12L-M-W3
08	5/16"	-05	M16x1,5	-05	5,4 .21	8,2 .32	24,5 .96	54,5 2.15	17,0 .67	3,1 6,84	HCS-08-CE-10L-M-W3
08	5/16"	-05	M18x1,5	-06	5,4 .21	8,2 .32	25,5 1.00	55,5 2.19	19,0 .75	3,6 7,83	HCS-08-CE-12L-M-W3
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,9 .39	25,5 1.00	59,0 2.32	19,0 .75	4,1 9,04	HCS-10-CE-12L-M-W3
10	3/8"	-06	M16x1,5	-05	6,5 .26	9,9 .39	24,5 .96	58,0 2.28	17,0 .67	3,7 8,05	HCS-10-CE-10L-M-W3
10	3/8"	-06	M22x1,5	-08	6,5 .26	9,9 .39	27,5 1.08	61,0 2.40	22,0 .87	5,8 12,79	HCS-10-CE-15L-M-W3
12	1/2"	-08	M22x1,5	-08	9,5 .37	13,0 .51	28,0 1.10	63,5 2.50	22,0 .87	6,6 14,55	HCS-12-CE-15L-M-W3
12	1/2"	-08	M18x1,5	-06	9,5 .37	13,0 .51	26,5 1.04	62,0 2.44	19,0 .75	5,1 11,14	HCS-12-CE-12L-M-W3
12	1/2"	-08	M26x1,5	-10	9,5 .37	13,0 .51	29,5 1.16	65,0 2.56	27,0 1.06	9,1 19,96	HCS-12-CE-18L-M-W3
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	29,0 1.14	67,5 2.66	27,0 1.06	9,3 20,51	HCS-16-CE-18L-M-W3
19	3/4"	-12	M30x2	-12	12,6 .50	16,0 .63	32,0 1.26	70,5 2.78	30,0 1.18	11,2 24,70	HCS-16-CE-22L-M-W3
19	3/4"	-12	M30x2	-12	14,8 .58	19,1 .75	32,5 1.28	78,5 3.09	30,0 1.18	13,2 29,00	HCS-19-CE-22L-M-W3
25	1"	-16	M36x2	-16	20,0 .79	25,9 1.02	34,5 1.36	89,5 3.52	36,0 1.42	23,0 50,60	HCS-25-CE-28L-M-W3
19	3/4"	-12	M30x2	-12	20,0 .79	25,9 1.02	34,5 1.36	89,5 3.52	30,0 1.18	18,1 39,91	HCS-25-CE-22L-M-W3
31	1 1/4"	-20	M45x2	-20	26,0 1.02	32,5 1.28	39,5 1.56	99,5 3.92	46,0 1.81	38,5 84,89	HCS-31-CE-35L-M-W3
38	1 1/2"	-24	M52x2	-24	31,0 1.22	38,9 1.53	42,5 1.67	110,0 4.33	55,0 2.17	58,3 128,44	HCS-38-CE-42L-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 14-21



ECOVOS VA Version

Page 102



MULTIVOS Version

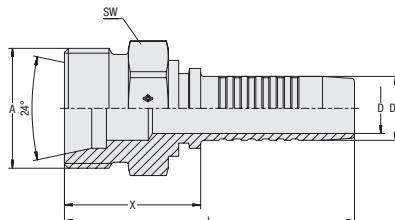
Page 142



**Connection Type** Male Metric Thread  
**Sealing Type** 24° Conical Bore  
 (Shape W acc. to DIN 3861)  
**Standard** ISO 8434-1  
**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
 (nominal sizes DN 16 to DN 31)

### Straight Insert with Male Metric Thread and 24° Conical Bore Type CES (Heavy Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
05	1/8"	-03	M16x1,5	-03	2,9 .11	5,1 .20	24,0 .94	49,0 1.93	17,0 .67	2,9 6,39	HCS-05-CE-08S-M-W3
06	1/4"	-04	M18x1,5	-04	3,9 .15	6,7 .26	26,5 1.04	56,5 2.22	19 .75	4,0 8,82	HCS-06-CE-10S-M-W3
06	1/4"	-04	M16x1,5	-03	3,9 .15	6,7 .26	25,5 1.00	55,5 2.19	17 .67	3,3 7,28	HCS-06-CE-08S-M-W3
06	1/4"	-04	M20x1,5	-05	3,9 .15	6,7 .26	27,5 1.08	57,5 2.26	22 .87	5,2 11,36	HCS-06-CE-12S-M-W3
08	5/16"	-05	M20x1,5	-05	5,4 .21	8,2 .32	27,5 1.08	57,5 2.26	22,0 .87	5,3 11,69	HCS-08-CE-12S-M-W3
10	3/8"	-06	M22x1,5	-06	6,5 .26	9,9 .39	29,5 1.16	63,0 2.48	22,0 .87	6,5 14,22	HCS-10-CE-14S-M-W3
10	3/8"	-06	M20x1,5	-05	6,5 .26	9,9 .39	27,5 1.08	61,0 2.40	22,0 .87	5,9 13,01	HCS-10-CE-12S-M-W3
12	1/2"	-08	M24x1,5	-08	9,5 .37	13,0 .51	30,0 1.18	65,5 2.58	24,0 .94	8,0 17,53	HCS-12-CE-16S-M-W3
12	1/2"	-08	M20x1,5	-05	9,5 .37	13,0 .51	28,0 1.10	63,5 2.50	22,0 .87	6,6 14,44	HCS-12-CE-12S-M-W3
12	1/2"	-08	M22x1,5	-06	9,5 .37	13,0 .51	30,0 1.18	65,5 2.58	22,0 .87	7,3 16,10	HCS-12-CE-14S-M-W3
12	1/2"	-08	M30x2	-10	9,5 .37	13,0 .51	34,0 1.34	70,0 2.76	30,0 1.18	13,1 28,89	HCS-12-CE-20S-M-W3
16	5/8"	-10	M30x2	-10	12,6 .50	16,0 .63	34,0 1.34	72,5 2.85	30,0 1.18	12,9 28,33	HCS-16-CE-20S-M-W3
16	5/8"	-10	M36x2	-12	12,6 .50	16,0 .63	37,0 1.46	75,5 2.97	36,0 1.42	19,7 43,44	HCS-16-CE-25S-M-W3
19	3/4"	-12	M36x2	-12	14,8 .58	19,1 .75	37,5 1.48	83,5 3.29	36,0 1.42	20,4 44,87	HCS-19-CE-25S-M-W3
19	3/4"	-12	M30x2	-10	14,8 .58	19,1 .75	34,5 1.36	80,5 3.17	30,0 1.18	14,8 32,63	HCS-19-CE-20S-M-W3
25	1"	-16	M42x2	-16	20,0 .79	25,9 1.02	42,5 1.67	97,5 3.84	46,0 1.81	36,4 80,26	HCS-25-CE-30S-M-W3
25	1"	-16	M36x2	-12	20,0 .79	25,9 1.02	38,5 1.52	93,5 3.68	36,0 1.42	25,5 56,23	HCS-25-CE-25S-M-W3
25	1"	-16	M52x2	-20	20,0 .79	25,9 1.02	46,5 1.83	101,5 4.00	55,0 2.17	55,7 122,71	HCS-25-CE-38S-M-W3
31	1 1/4"	-20	M52x2	-20	26,0 1.02	32,5 1.28	47,5 1.87	107,5 4.23	55,0 2.17	57,30 126,35	HCS-31-CE-38S-M-W3
25	1"	-16	M52x2	-20	20,0 .79	25,9 1.02	46,5 1.83	101,5 4.00	55,0 2.17	55,7 122,71	HCS-25-CE-38S-M-W3

#### Related Products and Accessories



Swage Ferrules

Pages 14-21



Mobile Interlocking Protection

Page 88



ECOVOS VA Version

Page 103



MULTIVOS Version

Page 143

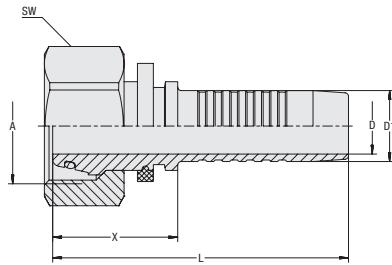


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Catalogue 4 • Edition 02/2025

## Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOL (Light Series)

A



<b>Connection Type</b>	Female Metric Nut Thread
<b>Sealing Type</b>	24° Taper with O-Ring
<b>Standard</b>	ISO 8434-1
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating
<b>Sealing Material</b>	NBR (Buna-N®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (*g/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
05	1/8"	-03	M12x1,5	-03	2,9 .11	5,1 .20	24,5 .96	49,0 1.93	14,0 .55	2,1 4.63	HCS-05-DKO-06L-S-OR-B-M-W3
06	1/4"	-04	M14x1,5	-04	3,9 .15	6,7 .26	24,5 .83	54,0 2.13	17,0 .67	3,3 7.17	HCS-06-DKO-08L-S-OR-B-M-W3
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	21,0 .83	51,0 2.01	14,0 .55	2,3 5.07	HCS-06-DKO-06L-W-OR-B-M-W3
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	21,0 .83	51,0 2.01	17,0 .67	3,2 7.06	HCS-06-DKO-06L-W-OR-B-M-W3-SW17
06	1/4"	-04	M16x1,5	-05	3,9 .15	6,7 .26	26,0 1.02	55,5 2.19	19,0 .75	4,0 8.82	HCS-06-DKO-10L-S-OR-B-M-W3
06	1/4"	-04	M18x1,5	-08	3,9 .15	6,7 .26	26,0 1.02	56,2 2.21	22,0 .87	5,3 11.69	HCS-06-DKO-12L-S-OR-B-M-W3
08	5/16"	-05	M16x1,5	-05	5,4 .21	8,2 .32	26,0 1.02	55,5 2.19	19,0 .75	4,2 9.26	HCS-08-DKO-10L-S-OR-B-M-W3
08	5/16"	-05	M14x1,5	-04	5,4 .21	8,2 .32	22,0 .87	52,0 2.05	17,0 .67	3,3 7.28	HCS-08-DKO-08L-W-OR-B-M-W3
08	5/16"	-05	M18x1,5	-06	5,4 .21	8,2 .32	30,0 1.18	60,0 2.36	22,0 .87	5,7 12.46	HCS-08-DKO-12L-S-OR-B-M-W3
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,9 .39	26,0 1.02	59,0 2.32	22,0 .87	6,0 13.12	HCS-10-DKO-12L-S-OR-B-M-W3
10	3/8"	-06	M16x1,5	-05	6,5 .26	9,9 .39	22,5 .89	56,0 2.20	19,0 .75	4,6 10.14	HCS-10-DKO-10L-W-OR-B-M-W3
10	3/8"	-06	M22x1,5	-08	6,5 .26	9,9 .39	25,0 .98	58,5 2.30	27,0 1.06	8,7 19.18	HCS-10-DKO-15L-S-OR-B-M-W3
12	1/2"	-08	M22x1,5	-08	9,5 .37	13,0 .51	25,5 1.00	61,0 2.40	27,0 1.06	8,9 19.51	HCS-12-DKO-15L-S-OR-B-M-W3
12	1/2"	-08	M18x1,5	-06	9,5 .37	13,0 .51	24,0 .94	59,5 2.34	22,0 .87	6,50 14.33	HCS-12-DKO-12L-W-OR-B-M-W3
12	1/2"	-08	M26x1,5	-10	9,5 .37	13,0 .51	34,5 1.36	70,0 2.76	32,0 1.26	13,15 29.00	HCS-12-DKO-18L-S-OR-B-M-W3
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	28,0 1.10	66,5 2.62	32,0 1.26	12,5 27.56	HCS-16-DKO-18L-S-OR-B-M-W3
16	5/8"	-10	M30x2	-12	12,6 .50	16,0 .63	34,5 1.36	73,0 2.87	36,0 1.42	17,1 37.71	HCS-16-DKO-22L-S-OR-B-M-W3
16	5/8"	-10	M22x1,5	-08	12,6 .50	16,0 .63	44,5 1.75	83,0 3.27	27,0 1.06	13,8 30.43	HCS-16-DKO-15L-S-OR-B-B-W3
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	28,0 1.10	66,5 2.62	32,0 1.26	12,5 27.56	HCS-16-DKO-18L-S-OR-B-M-W3
16	5/8"	-10	M30x2	-12	12,6 .50	16,0 .63	34,5 1.36	73,0 2.87	36,0 1.42	17,1 37.71	HCS-16-DKO-22L-S-OR-B-M-W3
16	5/8"	-10	M22x1,5	-08	12,6 .50	16,0 .63	44,5 1.75	83,0 3.27	27,0 1.06	13,8 30.43	HCS-16-DKO-15L-S-OR-B-B-W3

### Related Products and Accessories



Swage Ferrules

Pages 14-21



45° Version

Pages 26-27



ECOVOS VA Version

Page 107



90° Version

Pages 28-29



MULTIVOS Version

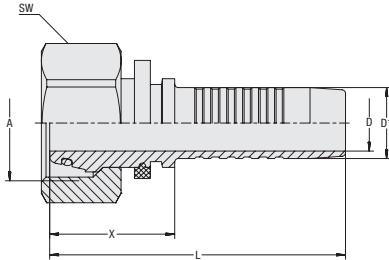
Page 144



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

### Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOL (Light Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
19	3/4"	-12	M30x2	-12	14,8 .58	19,1 .75	30,0 1.18	76,0 2.99	36,0 1.42	18,4 40,57	HCS-19-DKO-22L-S-OR-B-M-W3
19	3/4"	-12	M22x1,5	-08	14,8 .58	19,1 .75	24,0 .94	70,0 2.76	27,0 1.06	11,9 26,13	HCS-19-DKO-15L-W-OR-B-M-W3
19	3/4"	-12	M26x1,5	-10	14,8 .58	19,1 .75	25,5 1.00	71,5 2.81	32,0 1.26	14,4 31,64	HCS-19-DKO-18L-W-OR-B-M-W3
19	3/4"	-12	M36x2	-16	14,8 .58	19,1 .75	34,0 1.34	78,0 3.07	41,0 1.61	25,0 55,13	HCS-19-DKO-28L-S-OR-B-M-W3
25	1"	-16	M36x2	-16	20,0 .79	25,9 1.02	33,0 1.30	88,0 3.46	41,0 1.61	28,0 61,74	HCS-25-DKO-28L-S-OR-B-M-W3
25	1"	-16	M45x2	-20	20,0 .79	25,9 1.02	36,0 1.42	91,0 3.58	50,0 1.97	42,2 92,94	HCS-25-DKO-35L-S-OR-B-M-W3
25	1"	-16	M30x2	-12	20,0 .79	25,9 1.02	45,0 1.77	100,0 3.94	36,0 1.42	32,7 72,10	HCS-25-DKO-22L-S-OR-B-B-W3
31	1 1/4"	-20	M45x2	-20	26,0 1.02	32,5 1.28	37,0 1.46	97,0 3.82	50,0 1.97	43,8 96,47	HCS-31-DKO-35L-S-OR-B-M-W3
31	1 1/4"	-20	M36x2	-16	26,0 1.02	32,5 1.28	47,5 1.87	107,5 4.23	50,0 1.97	47,3 104,30	HCS-31-DKO-28L-S-OR-B-B-W3
31	1 1/4"	-20	M52x2	-24	26,0 1.02	32,5 1.28	55,0 2.17	115,0 4.53	60,0 2.36	73,8 162,73	HCS-31-DKO-42L-S-OR-B-B-W3
38	1 1/2"	-24	M52x2	-24	31,0 1.22	38,9 1.53	35,5 1.40	103,0 4.06	60,0 2.36	66,0 145,53	HCS-38-DKO-42L-S-OR-B-M-W3
38	1 1/2"	-24	M45x2	-20	31,0 1.22	38,9 1.53	56,0 2.20	123,5 4.86	50,0 1.97	71,5 157,66	HCS-38-DKO-35L-S-OR-B-B-W3
51	2"	-32	M52x2	-24	40,0 1.57	51,6 2.03	59,5 2.34	134,5 5.30	60,0 2.36	132,8 292,82	HCS-51-DKO-42L-S-OR-B-B-W3

#### Related Products and Accessories



**Swage Ferrules**

Pages 14-21



**45° Version**

Pages 26-27



**ECOVOS VA Version**

Page 107



**90° Version**

Pages 28-29



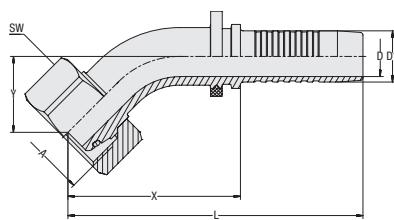
**MULTIVOS Version**

Page 144



## 45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOL 45° (Light Series)

A



<b>Connection Type</b>	Female Metric Nut Thread
<b>Sealing Type</b>	24° Taper with O-Ring
<b>Standard</b>	ISO 8434-1
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating
<b>Sealing Material</b>	NBR (Buna-N®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/bs) ca.	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex) per 100		
05	1/8"	-03	M12x1,5	-03	2,9 .11	5,1 .20	31,8 1,25	56,5 2,22	15,0 .59	14,0 .55	2,3 5,07	HCS-05-DKO-06L-045-S-OR-B-M-W3
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	36,5 1,44	66,5 2,62	18,0 .71	14,0 .55	3,1 6,73	HCS-06-DKO-06L-045-W-OR-B-M-W3
06	1/4"	-04	M14x1,5	-04	3,9 .15	6,7 .26	36,0 1,42	66,0 2,60	16,0 .63	17,0 .67	3,6 7,94	HCS-06-DKO-08L-045-S-OR-B-M-W3
06	1/4"	-04	M16x1,5	-05	3,9 .15	6,7 .26	38,5 1,52	68,5 2,70	18,5 .73	19,0 .75	4,9 10,69	HCS-06-DKO-10L-045-S-OR-B-M-W3
06	1/4"	-04	M18x1,5	-06	3,9 .15	6,7 .26	39,5 1,56	69,5 2,74	18,5 .73	22,0 .87	6,0 13,23	HCS-06-DKO-12L-045-S-OR-B-M-W3
08	5/16"	-05	M16x1,5	-05	5,4 .21	8,2 .32	38,5 1,52	68,5 2,70	18,5 .73	19,0 .75	5,0 10,91	HCS-08-DKO-10L-045-S-OR-B-M-W3
08	5/16"	-05	M18x1,5	-06	5,4 .21	8,2 .32	40,0 1,57	70,0 2,76	18,0 .71	22,0 .87	6,3 13,89	HCS-08-DKO-12L-045-S-OR-B-M-W3
08	5/16"	-05	M14x1,5	-04	5,4 .21	8,2 .32	50,0 1,97	80,0 3,15	20,0 .79	17,0 .67	5,7 12,57	HCS-08-DKO-08L-045-S-OR-B-B-W3
10	3/8"	-06	M16x1,5	-05	6,5 .26	9,9 .39	44,0 1,73	77,0 3,03	19,5 .77	19,0 .75	6,5 14,33	HCS-10-DKO-10L-045-W-OR-B-M-W3
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,9 .39	41,5 1,63	74,5 2,93	17,5 .69	22,0 .87	7,2 15,88	HCS-10-DKO-12L-045-S-OR-B-M-W3
10	3/8"	-06	M22x1,5	-08	6,5 .26	9,9 .39	48,0 1,89	82,0 3,23	19,5 .77	27,0 1,06	11,4 25,14	HCS-10-DKO-15L-045-S-OR-B-B-W3
12	1/2"	-08	M22x1,5	-08	9,5 .37	13,0 .51	46,0 1,81	81,5 3,21	21,0 .83	27,0 1,06	11,1 24,48	HCS-12-DKO-15L-045-S-OR-B-M-W3
12	1/2"	-08	M18x1,5	-06	9,5 .37	13,0 .51	49,5 1,95	85,0 3,35	19,5 .77	22,0 .87	11,0 24,26	HCS-12-DKO-12L-045-W-OR-B-B-W3
12	1/2"	-08	M26x1,5	-10	9,5 .37	13,0 .51	67,0 2,64	102,5 4,04	27,5 1,08	32,0 1,26	20,5 45,20	HCS-12-DKO-18L-045-S-OR-B-B-W3
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	54,0 2,13	92,0 3,62	24,0 .94	32,0 1,26	15,9 35,06	HCS-16-DKO-18L-045-S-OR-B-M-W3
16	5/8"	-10	M22x1,5	-08	12,6 .50	16,0 .63	56,5 2,22	95,0 3,74	22,0 .87	27,0 1,06	16,2 35,72	HCS-16-DKO-15L-045-S-OR-B-B-W3
16	5/8"	-10	M30x2	-12	12,6 .50	16,0 .63	72,0 2,83	110,5 4,35	29,5 1,16	36,0 1,42	29,20 64,39	HCS-16-DKO-22L-045-S-OR-B-B-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Pages 24-25



ECOVOS VA Version

Page 108



90° Version

Pages 28-29



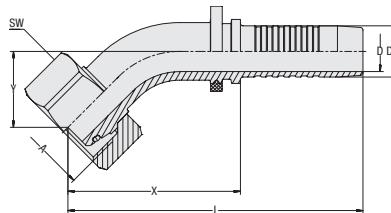
MULTIVOS Version

Page 145



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1  
  
**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

### 45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKO 45° (Light Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
19	3/4"	-12	M30x2	-12	14,8	19,1	67,0	113,0	25,5	36,0	25,70
					.58	.75	2,64	4,45	1,00	1,42	56,67
19	3/4"	-12	M26x1,5	-10	14,8	19,1	67,5	113,5	27,5	32,0	24,20
					.58	.75	2,66	4,47	1,08	1,26	53,36
19	3/4"	-12	M36x2	-16	14,8	19,1	73,5	119,5	29,5	41,0	34,80
					.58	.75	2,89	4,70	1,16	1,61	76,73
25	1"	-16	M36x2	-16	20,0	25,9	80,0	135,0	33,0	41,0	41,80
					.79	1,02	3,15	5,31	1,30	1,61	92,17
25	1"	-16	M30x2	-12	20,0	25,9	74,5	129,5	29,5	36,0	39,03
					.79	1,02	2,93	5,10	1,16	1,42	86,06
25	1"	-16	M45x2	-20	20,0	25,9	82,5	138,0	34,5	50,0	58,00
					.79	1,02	3,25	5,43	1,36	1,97	127,89
31	1 1/4"	-20	M45x2	-20	26,0	32,5	99,5	159,5	39,5	50,0	70,70
					1,02	1,28	3,92	6,28	1,56	1,97	155,89
31	1 1/4"	-20	M36x2	-16	26,0	32,5	85,0	145,0	33,0	41,0	59,05
					1,02	1,28	3,35	5,71	1,30	1,61	130,21
31	1 1/4"	-20	M52x2	-24	26,0	32,5	117,0	177,0	47,5	60,0	101,35
					1,02	1,28	4,61	6,97	1,87	2,36	223,48
38	1 1/2"	-24	M52x2	-24	31,0	38,9	107,5	175,0	38,5	60,0	102,30
					1,22	1,53	4,23	6,89	1,52	2,36	225,57
38	1 1/2"	-24	M45x2	-20	31,0	38,9	106,5	174,5	43,0	50,0	91,75
					1,22	1,53	4,19	6,87	1,69	1,97	202,31

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Pages 24-25



ECOVOS VA Version

Page 108



90° Version

Pages 28-29



MULTIVOS Version

Page 145

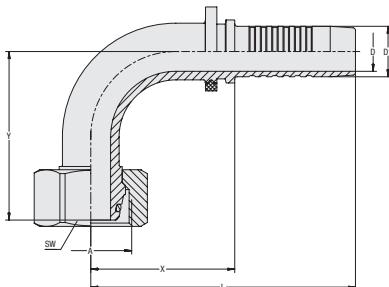


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Catalogue 4 • Edition 02/2025

## 90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOL 90° (Light Series)

A



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca.	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	per 100	
05	1/8"	-03	M12x1,5	-03	2,9 .11	5,1 .20	23,5 .93	48,0 1.89	27,0 1.06	14,0 .55	2,5 5.51	HCS-05-DKO-06L-090-S-OR-B-M-W3
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	25,0 .98	55,0 2.17	32,5 1.28	14 .55	3,3 7.28	HCS-06-DKO-06L-090-W-OR-B-M-W3
06	1/4"	-04	M14x1,5	-04	3,9 .15	6,7 .26	29,5 1.16	59,5 2.34	29,0 1.14	17 .67	3,9 8.60	HCS-06-DKO-08L-090-S-OR-B-M-W3
06	1/4"	-04	M16x1,5	-05	3,9 .15	6,7 .26	31,0 1.22	61,0 2.40	31,5 1.24	19 .75	5,4 11.91	HCS-06-DKO-10L-090-S-OR-B-M-W3
06	1/4"	-04	M18x1,5	-06	3,9 .15	6,7 .26	30,5 1.20	60,5 2.38	33,0 1.30	22 .87	6,5 14.33	HCS-06-DKO-12L-090-S-OR-B-M-W3
08	5/16"	-05	M14x1,5	-04	5,4 .21	8,2 .32	31,0 1.22	61,0 2.40	35,5 1.40	17 .67	5,2 11.47	HCS-08-DKO-08L-090-W-OR-B-M-W3
08	5/16"	-05	M16x1,5	-05	5,4 .21	8,2 .32	31,0 1.22	61,0 2.40	31,5 1.24	19 .75	5,5 12.02	HCS-08-DKO-10L-090-S-OR-B-M-W3
08	5/16"	-05	M18x1,5	-06	5,4 .21	8,2 .32	31,0 1.22	61,0 2.40	33,0 1.30	22 .87	6,8 14.99	HCS-08-DKO-12L-090-S-OR-B-M-W3
10	3/8"	-06	M16x1,5	-05	6,5 .26	9,9 .39	38,5 1.52	71,5 2.81	39,0 1.54	19 .75	7,7 16.98	HCS-10-DKO-10L-090-W-OR-B-M-W3
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,9 .39	37,5 1.48	71,0 2.80	36,0 1.42	22 .87	8,4 18.41	HCS-10-DKO-12L-090-S-OR-B-M-W3
10	3/8"	-06	M22x1,5	-08	6,5 .26	9,9 .39	39,0 1.54	72,5 2.85	38,5 1.52	27 1.06	12,3 27.01	HCS-10-DKO-15L-090-S-OR-B-B-W3
12	1/2"	-08	M22x1,5	-08	9,5 .37	13,0 .51	40,5 1.59	76,0 2.99	42,5 1.67	27 1.06	12,9 28.42	HCS-12-DKO-15L-090-S-OR-B-M-W3
12	1/2"	-08	M26x1,5	-10	9,5 .37	13,0 .51	55,5 2.19	91,0 3.58	54,0 2.13	32 1.26	22,8 50.27	HCS-12-DKO-18L-090-S-OR-B-B-W3
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	46,0 1.81	84,0 3.31	53,5 2.11	32 1.26	18,4 40.57	HCS-16-DKO-18L-090-S-OR-B-M-W3
16	5/8"	-10	M22x1,5	-08	12,6 .50	16,0 .63	46,5 1.83	85,0 3.35	44,5 1.75	27 1.06	17,7 38.92	HCS-16-DKO-15L-090-S-OR-B-B-W3
16	5/8"	-10	M30x2	-12	12,6 .50	16,0 .63	62,5 2.46	101,0 3.98	61,0 2.40	36 1.42	33,3 73.43	HCS-16-DKO-22L-090-S-OR-B-B-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Pages 24-25



ECOVOS VA Version

Page 109



45° Version

Pages 26-27



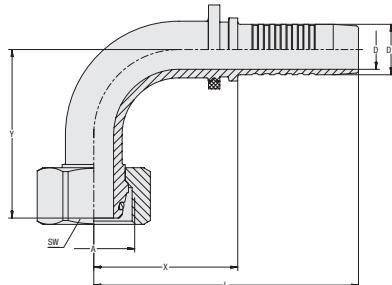
MULTIVOS Version

Page 146



**90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring  
Type DKOL 90° (Light Series)**

<b>Connection Type</b>	Female Metric Nut Thread
<b>Sealing Type</b>	24° Taper with O-Ring
<b>Standard</b>	ISO 8434-1
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating
<b>Sealing Material</b>	NBR (Buna-N®)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca.	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	per 100	
19	3/4"	-12	M30x2	-12	14,8	19,1	57,5	103,0	57,0	36	29,6	HCS-19-DK0-22L-090-S-OR-B-M-W3
					.58	.75	2.26	4.06	2.24	1.42	65.16	
19	3/4"	-12	M26x1,5	-10	14,8	19,1	56,0	102,0	54,0	32	26,5	HCS-19-DK0-18L-090-S-OR-B-B-W3
					.58	.75	2.20	4.02	2.13	1.26	58.43	
19	3/4"	-12	M36x2	-16	14,8	19,1	63,0	109,0	61,0	41	38,9	HCS-19-DK0-28L-090-S-OR-B-B-W3
					.58	.75	2.48	4.29	2.40	1.61	85.77	
25	1"	-16	M36x2	-16	20,0	25,9	72,0	127,0	63,0	41	48,2	HCS-25-DK0-28L-090-S-OR-B-M-W3
					.79	1.02	2.83	5.00	2.48	1.61	106.17	
25	1"	-16	M30x2	-12	20,0	25,9	64,0	119,0	61,0	36	43,2	HCS-25-DK0-22L-090-S-OR-B-B-W3
					.79	1.02	2.52	4.69	2.40	1.42	95.15	
25	1"	-16	M45x2	-20	20,0	25,9	74,0	129,0	73,0	50	65,9	HCS-25-DK0-35L-090-S-OR-B-B-W3
					.79	1.02	2.91	5.08	2.87	1.97	145.20	
31	1 1/4"	-20	M45x2	-20	26,0	32,5	90,5	150,5	81,0	50	82,6	HCS-31-DK0-35L-090-S-OR-B-M-W3
					1.02	1.28	3.56	5.93	3.19	1.97	182.13	
31	1 1/4"	-20	M36x2	-16	26,0	32,5	76,5	136,5	71,0	41	66,8	HCS-31-DK0-28L-090-S-OR-B-B-W3
					1.02	1.28	3.01	5.37	2.80	1.61	147.29	
31	1 1/4"	-20	M52x2	-24	26,0	32,5	104,5	164,5	102,0	60	118,0	HCS-31-DK0-42L-090-S-OR-B-B-W3
					1.02	1.28	4.11	6.48	4.02	2.36	260.08	
38	1 1/2"	-24	M52x2	-24	31,0	38,9	101,0	168,5	88,0	60	117,9	HCS-38-DK0-42L-090-S-OR-B-M-W3
					1.22	1.53	3.98	6.63	3.46	2.36	259.97	
38	1 1/2"	-24	M45x2	-20	31,0	38,9	94,5	162,5	91,0	50	104,3	HCS-38-DK0-35L-090-S-OR-B-B-W3
					1.22	1.53	3.72	6.40	3.58	1.97	229.98	

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Pages 24-25



ECOVOS VA Version

Page 109



45° Version

Pages 26-27



MULTIVOS Version

Page 146

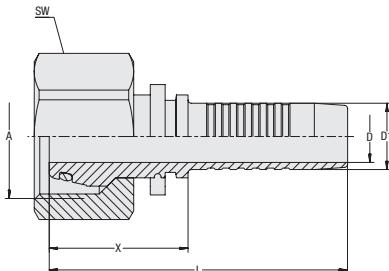


[www.stauff.com/4/en/#29](http://www.stauff.com/4/en/#29)

Catalogue 4 • Edition 02/2025

## Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOS (Heavy Series)

A



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
05	1/8"	-03	M16x1,5	-03	2,9 .11	5,1 .20	26,0 1.02	50,5 1.99	19,0 .75	3,6 7,94	HCS-05-DKO-08S-S-OR-B-M-W3
06	1/4"	-04	M18x1,5	-04	3,9 .15	6,7 .26	26,0 1.02	55,5 2.19	22,0 .87	5,3 11.69	HCS-06-DKO-10S-S-OR-B-M-W3
06	1/4"	-04	M14x1,5	-02	3,9 .15	6,7 .26	26,0 1.02	56,0 2.20	17,0 .67	3,5 7.72	HCS-06-DKO-06S-W-OR-B-M-W3
06	1/4"	-04	M16x1,5	-03	3,9 .15	6,7 .26	24,5 .96	54,0 2.13	19,0 .75	3,9 8.49	HCS-06-DKO-08S-S-OR-B-M-W3
06	1/4"	-04	M20x1,5	-05	3,9 .15	6,7 .26	44,5 1.75	74,5 2.93	24,0 .94	8,2 17.97	HCS-06-DKO-12S-S-OR-B-B-W3
08	1/2"	-08	M20x1,5	-05	5,4 .21	8,2 .32	30,0 1.18	60,0 2.36	24 .94	6,6 14.55	HCS-08-DKO-12S-S-OR-B-M-W3
08	1/2"	-08	M18x1,5	-04	5,4 .21	8,2 .32	26,0 1.02	55,5 2.19	22 .87	5,4 11.91	HCS-08-DKO-10S-S-OR-B-M-W3
08	1/2"	-08	M18x1,5	-06	5,4 .21	8,2 .32	30,0 1.18	60,0 2.36	22,0 .87	5,7 12.46	HCS-08-DKO-12S-S-OR-B-M-W3
10	3/8"	-06	M22x1,5	-06	6,5 .26	9,9 .39	30,5 1.20	64,0 2.52	27 1.06	9,7 21.39	HCS-10-DKO-14S-S-OR-B-M-W3
10	3/8"	-06	M20x1,5	-05	6,5 .26	9,9 .39	26,0 1.02	59,0 2.32	24 .94	6,9 15.21	HCS-10-DKO-12S-S-OR-B-M-W3
10	3/8"	-06	M24x1,5	-08	6,5 .26	9,9 .39	32,0 1.26	65,5 2.58	30 1.18	11,7 25.80	HCS-10-DKO-16S-S-OR-B-M-W3
10	3/8"	-06	M18x1,5	-04	6,5 .26	9,9 .39	44,0 1.73	77,5 3.05	22 .87	8,3 18.30	HCS-10-DKO-10S-S-OR-B-B-W3
12	1/2"	-08	M24x1,5	-08	9,5 .37	13,0 .51	32,0 1.26	67,5 2.66	30 1.18	12,5 27.56	HCS-12-DKO-16S-S-OR-B-M-W3
12	5/16"	-05	M20x1,5	-05	9,5 .37	13,0 .51	24,5 96	60,0 2.36	24 .94	7,2 15.88	HCS-12-DKO-12S-W-OR-B-M-W3
12	1/2"	-08	M22x1,5	-06	9,5 .37	13,0 .51	26,5 1.04	62,0 2.44	27 1.06	9,8 21.61	HCS-12-DKO-14S-W-OR-B-M-W3
12	1/2"	-08	M30x2	-10	9,5 .37	13,0 .51	63,5 2.50	99,0 3.90	36 1.42	25,1 55.24	HCS-12-DKO-20S-S-OR-B-B-W3
16	5/8"	-10	M30x2	-10	12,6 .50	16,0 .63	33,5 1.32	72,0 2.83	36 1.42	18,7 41.12	HCS-16-DKO-20S-S-OR-B-M-W3
16	5/8"	-10	M24x1,5	-08	12,6 .50	16,0 .63	26,5 1.04	65,0 2.56	30 1.18	12,5 27.56	HCS-16-DKO-16S-W-OR-B-M-W3
16	5/8"	-10	M36x2	-12	12,6 .50	16,0 .63	52,0 2.05	90,5 3.56	46 1.81	40,1 88.31	HCS-16-DKO-25S-S-OR-B-B-W3

### Related Products and Accessories



**Swage Ferrules**

Pages 14-21



**Mobile Interlocking Protection**

Page 88



**45° Version**

Pages 32-33



**ECOVOS VA Version**

Page 110



**90° Version**

Pages 34-35



**MULTIVOS Version**

Page 147



**POWERVOS Version**

Page 180

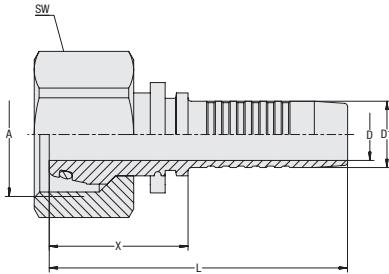


**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)

### Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOS (Heavy Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
19	3/4"	-12	M36x2	-12	14,8 .58	19,1 .75	37,0 1.46	83,0 3,27	41 1,61	27,2 59,98	HCS-19-DKO-25S-S-OR-B-M-W3
19	3/4"	-12	M30x2	-10	14,8 .58	19,1 .75	32,0 1.26	78,0 3,07	36 1,42	20,9 46,08	HCS-19-DKO-20S-W-OR-B-M-W3
19	3/4"	-12	M36x2	-12	14,8 .58	19,1 .75	37,0 1.46	83,0 3,27	46 1,81	35,0 77,18	HCS-19-DKO-25S-S-OR-B-M-W3-SW46
19	3/4"	-12	M42x2	-16	14,8 .58	19,1 .75	53,0 2,09	99,0 3,90	50 1,97	46,6 102,64	HCS-19-DKO-30S-S-OR-B-B-W3
25	1"	-16	M42x2	-16	20,0 .79	25,9 1.02	40,0 1.57	95,0 3,74	50 1,97	45,4 100,11	HCS-25-DKO-30S-S-OR-B-M-W3
25	1"	-16	M36x2	-12	20,0 .79	25,9 1.02	53,5 2,11	108,5 4,27	41 1,61	42,1 92,72	HCS-25-DKO-25S-S-OR-B-B-W3
25	1"	-16	M52x2	-20	20,0 .79	25,9 1.02	56,5 2,22	111,5 4,39	60 2,36	73,3 161,63	HCS-25-DKO-38S-S-OR-B-B-W3
31	1 1/4"	-20	M52x2	-20	26,0 1.02	32,5 1.28	44 1.73	104 4,10	60 2,36	69,0 152,15	HCS-31-DKO-38S-S-OR-B-M-W3
31	1 1/4"	-20	M42x2	-16	26,0 1.02	32,5 1.28	66,5 2,62	126,5 4,98	50 1,97	68,8 151,59	HCS-31-DKO-30S-S-OR-B-B-W3
38	1 1/2"	-24	M52x2	-20	31,0 1.22	38,9 1.53	72,0 2,83	139,5 5,49	60 2,36	101,6 224,03	HCS-38-DKO-35S-S-OR-B-B-W3

### Related Products and Accessories



**Swage Ferrules**

Pages 14-21



**Mobile Interlocking Protection**

Page 88



**45° Version**

Pages 32-33



**ECOVOS VA Version**

Page 110



**90° Version**

Pages 34-35



**MULTIVOS Version**

Page 147



**POWERVOS Version**

Page 180

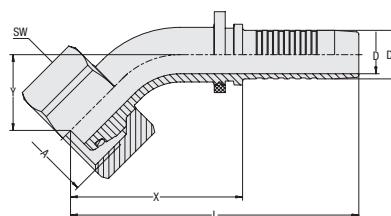


[www.stauff.com/4/en/#31](http://www.stauff.com/4/en/#31)

Catalogue 4 • Edition 02/2025

## 45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOS 45° (Heavy Series)

A



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/bs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
05	1/8"	-03	M16x1,5	-03	2,9 .11	5,1 .20	34,0 1,34	58,5 2,30	14,0 .55	19 .75	3,8 8,38	HCS-05-DKO-08S-045-S-OR-B-M-W3
06	1/4"	-04	M16x1,5	-03	3,9 .15	6,7 .26	36,0 1,42	66,0 2,60	16,0 .63	19 .75	4,3 9,37	HCS-06-DKO-08S-045-S-OR-B-M-W3
06	1/4"	-04	M18x1,5	-04	3,9 .15	6,7 .26	38,5 1,52	68,5 2,70	18,5 .73	22 .87	6,2 13,67	HCS-06-DKO-10S-045-S-OR-B-M-W3
06	1/4"	-04	M14x1,5	-02	3,9 .15	6,7 .26	43,0 1,69	73,0 2,87	17,0 .67	17 .67	6,8 14,99	HCS-06-DKO-06S-045-S-OR-B-B-W3
06	1/4"	-04	M20x1,5	-05	3,9 .15	6,7 .26	44,5 1,75	74,5 2,93	19,0 .75	24 .94	8,5 18,63	HCS-06-DKO-12S-045-S-OR-B-B-W3
08	5/16"	-05	M18x1,5	-04	5,4 .21	8,2 .32	38,5 1,52	68,5 2,70	18,5 .73	22 .87	6,3 13,78	HCS-08-DKO-10S-045-S-OR-B-M-W3
08	5/16"	-05	M20x1,5	-05	5,4 .21	8,2 .32	40,0 1,57	70,0 2,76	18,0 .71	24 .94	7,2 15,88	HCS-08-DKO-12S-045-S-OR-B-M-W3
10	3/8"	-06	M20x1,5	-05	6,5 .26	9,9 .39	41,5 1,63	74,5 2,93	17,5 .69	24 .94	8,2 18,08	HCS-10-DKO-12S-045-S-OR-B-M-W3
10	3/8"	-06	M22x1,5	-06	6,5 .26	9,9 .39	46,0 1,81	79,0 3,11	20,0 .79	27 1,06	11,1 24,37	HCS-10-DKO-14S-045-S-OR-B-M-W3
10	3/8"	-06	M18x1,5	-04	6,5 .26	9,9 .39	44,0 1,73	77,5 3,05	19,0 .75	22 .87	8,6 18,96	HCS-10-DKO-10S-045-S-OR-B-B-W3
10	3/8"	-06	M24x1,5	-08	6,5 .26	9,9 .39	58,5 2,30	92,0 3,62	24,0 .94	30 1,18	17,7 39,03	HCS-10-DKO-16S-045-S-OR-B-B-W3
12	1/2"	-08	M24x1,5	-08	9,5 .37	13,0 .51	50,5 1,99	86,0 3,39	24,0 .94	30 1,18	14,7 32,41	HCS-12-DKO-16S-045-S-OR-B-M-W3
12	1/2"	-08	M22x1,5	-06	9,5 .37	13,0 .51	51,5 2,03	87,0 3,43	22,0 .87	27 1,06	14,8 32,52	HCS-12-DKO-14S-045-S-OR-B-B-W3
12	1/2"	-08	M30x2	-10	9,5 .37	13,0 .51	69,5 2,74	105,0 4,13	30,0 1,18	36 1,42	27,0 59,42	HCS-12-DKO-20S-045-S-OR-B-B-W3
16	5/8"	-10	M30x2	-10	12,6 .50	16,0 .63	56,5 2,22	95,0 3,74	25,0 .98	36 1,42	21,8 47,96	HCS-16-DKO-20S-045-S-OR-B-M-W3
16	5/8"	-10	M24x1,5	-08	12,6 .50	16,0 .63	57,0 2,24	95,5 3,76	23,5 .93	30 1,18	19,6 43,22	HCS-16-DKO-16S-045-S-OR-B-B-W3
16	5/8"	-10	M36x2	-12	12,6 .50	16,0 .63	74,5 2,93	113,0 4,45	32,0 1,26	41 1,61	37,7 83,13	HCS-16-DKO-25S-045-S-OR-B-B-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Mobile Interlocking Protection

Page 88



Straight Version

Pages 30-31



ECOVOS VA Version

Page 111



90° Version

Pages 34-35



MULTIVOS Version

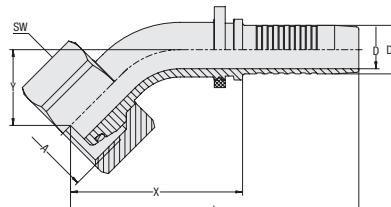
Page 148



### 45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOS 45° (Heavy Series)

<b>Connection Type</b>	Female Metric Nut Thread
<b>Sealing Type</b>	24° Taper with O-Ring
<b>Standard</b>	ISO 8434-1
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating
<b>Sealing Material</b>	NBR (Buna-N®)

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)



A

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
19	3/4"	-12	M36x2	-12	14,8	19,1	66,0	111,5	29,0	41	33,0
					.58	.75	2,60	4,39	1,14	1,61	72,65
19	3/4"	-12	M36x2	-12	14,8	19,1	66,0	111,5	29,0	46	33,0
					.58	.75	2,60	4,39	1,14	1,81	72,77
19	3/4"	-12	M30x2	-10	14,8	19,1	71,5	117,5	30,5	36	30,8
					.58	.75	2,81	4,63	1,20	1,42	67,91
19	3/4"	-12	M42x2	-16	14,8	19,1	75,0	121,0	32,0	50	52,0
					.58	.75	2,95	4,76	1,26	1,97	114,66
25	1"	-16	M42x2	-16	20,0	25,9	83,0	138,0	36,5	50	58,6
					.79	1,02	3,27	5,43	1,44	1,97	129,10
25	1"	-16	M36x2	-12	20,0	25,9	75,5	131,0	32,0	41	47,5
					.79	1,02	2,97	5,16	1,26	1,61	104,74
25	1"	-16	M52x2	-20	20,0	25,9	86,0	141,0	37,5	60	83,6
					.79	1,02	3,39	5,55	1,48	2,36	184,23
31	1 1/4"	-20	M52x2	-20	26,0	32,5	101,5	161,5	41,5	60	92,6
					1,02	1,28	4,00	6,36	1,63	2,36	204,18
31	1 1/4"	-20	M42x2	-16	26,0	32,5	86,5	146,5	35,5	50	76,6
					1,02	1,28	3,41	5,77	1,40	1,97	168,90
38	1 1/2"	-24	M52x2	-20	31,0	38,9	107,0	174,5	44,5	60	117,3
					1,22	1,53	4,21	6,87	1,75	2,36	258,65

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



**Swage Ferrules**

Pages 14-21



**Mobile Interlocking Protection**

Page 88



**Straight Version**

Pages 30-31



**ECOVOS VA Version**

Page 111



**90° Version**

Pages 34-35



**MULTIVOS Version**

Page 148

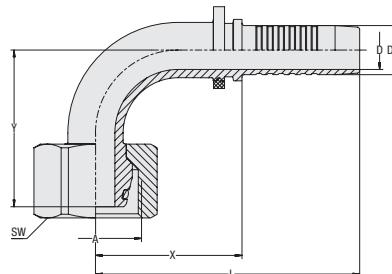


[www.stauff.com/4/en/#33](http://www.stauff.com/4/en/#33)

Catalogue 4 • Edition 02/2025

## 90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOS 90° (Heavy Series)

A



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/bs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
05	1/8"	-03	M16x1,5	-03	2,9 .11	5,1 .20	26,5 1,04	51,0 2,01	27,5 1,08	19 .75	4,0 8,82	HCS-05-DKO-08S-090-S-OR-B-M-W3
06	1/4"	-04	M14x1,5	-02	3,9 .15	6,7 .26	33,5 1,32	63,5 2,50	29,0 1,14	17 .67	4,2 9,26	HCS-06-DKO-06S-090-W-OR-B-M-W3
06	1/4"	-04	M16x1,5	-03	3,9 .15	6,7 .26	29,5 1,16	59,5 2,34	29,0 1,14	19 .75	4,5 9,92	HCS-06-DKO-08S-090-S-OR-B-M-W3
06	1/4"	-04	M18x1,5	-04	3,9 .15	6,7 .26	31,0 1,22	61,0 2,40	31,5 1,24	22 .87	6,6 14,44	HCS-06-DKO-10S-090-S-OR-B-M-W3
06	1/4"	-04	M20x1,5	-05	3,9 .15	6,7 .26	34,5 1,36	64,5 2,54	35,0 1,38	24 .94	8,9 19,62	HCS-06-DKO-12S-090-S-OR-B-B-W3
08	5/16"	-05	M18x1,5	-04	5,4 .21	8,2 .32	31,0 1,22	61,0 2,40	31,5 1,24	22 .87	6,7 14,77	HCS-08-DKO-10S-090-S-OR-B-M-W3
08	5/16"	-05	M20x1,5	-05	5,4 .21	8,2 .32	31,0 1,22	61,0 2,40	33,0 1,30	24 .94	7,8 17,09	HCS-08-DKO-12S-090-S-OR-B-M-W3
10	3/8"	-06	M20x1,5	-05	6,5 .26	9,9 .39	37,5 1,48	71,0 2,80	36,0 1,42	24 .94	9,3 20,51	HCS-10-DKO-12S-090-S-OR-B-M-W3
10	3/8"	-06	M22x1,5	-06	6,5 .26	9,9 .39	38,5 1,52	72,0 2,83	40,0 1,57	27 1,06	12,2 26,79	HCS-10-DKO-14S-090-S-OR-B-M-W3
10	3/8"	-06	M18x1,5	-04	6,5 .26	9,9 .39	34,0 1,34	67,5 2,66	35,0 1,38	22 .87	9,1 19,96	HCS-10-DKO-10S-090-S-OR-B-B-W3
10	3/8"	-06	M24x1,5	-08	6,5 .26	9,9 .39	46,0 1,81	80,0 3,15	47,5 1,87	30 1,18	19,2 42,34	HCS-10-DKO-16S-090-S-OR-B-B-W3
12	1/2"	-08	M24x1,5	-08	9,5 .37	13,0 .51	40,0 1,57	75,5 2,97	47,0 1,85	30 1,18	35,50	HCS-12-DKO-16S-090-S-OR-B-M-W3
12	1/2"	-08	M22x1,5	-06	9,5 .37	13,0 .51	40,5 1,59	76,0 2,99	41,0 1,61	27 1,06	34,40	HCS-12-DKO-14S-090-S-OR-B-B-W3
12	1/2"	-08	M30x2	-10	9,5 .37	13,0 .51	55,5 2,19	91,0 3,58	58,0 2,28	36 1,42	29,3 64,61	HCS-12-DKO-20S-090-S-OR-B-B-W3
16	5/8"	-10	M30x2	-10	12,6 .50	16,0 .63	49,0 1,93	86,5 3,41	52,0 2,05	36 1,42	23,9 52,70	HCS-16-DKO-20S-090-S-OR-B-M-W3
16	5/8"	-10	M24x1,5	-08	12,6 .50	16,0 .63	45,5 1,79	84,0 3,31	46,5 1,83	30 1,18	21,1 46,42	HCS-16-DKO-16S-090-S-OR-B-B-W3
16	5/8"	-10	M36x2	-12	12,6 .50	16,0 .63	61,5 2,42	100,0 3,94	64,5 2,54	41 1,61	41,8 92,17	HCS-16-DKO-25S-090-S-OR-B-B-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



**Swage Ferrules**

Pages 14-21



**Mobile Interlocking Protection**

Page 88



**Straight Version**

Pages 30-31



**ECOVOS VA Version**

Page 112



**45° Version**

Pages 32-33



**MULTIVOS Version**

Page 149

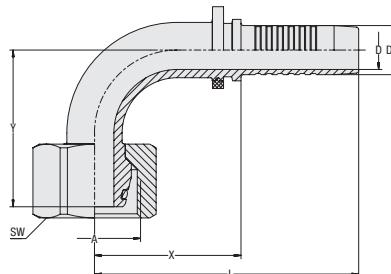


**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

Suitable for use with mobile interlocking protection  
 (nominal sizes DN 16 to DN 31)

### 90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOS 90° (Heavy Series)



A

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
19	3/4"	-12	M36x2	-12	14,8	19,1	57,0	102,5	58,5	41	37,5
					.58	.75	2,24	4,04	2,30	1,61	82,69
19	3/4"	-12	M36x2	-12	14,8	19,1	57,0	102,5	58,5	46	37,5
					.58	.75	2,24	4,04	2,30	1,81	82,69
19	3/4"	-12	M30x2	-10	14,8	19,1	56,0	102,0	58,0	36	33,1
					.58	.75	2,20	4,02	2,28	1,42	72,88
19	3/4"	-12	M42x2	-16	14,8	19,1	62,0	108,0	65,0	50	56,1
					.58	.75	2,44	4,25	2,56	1,97	123,70
25	1"	-16	M42x2	-16	20,0	25,9	70,5	125,5	74,0	50	66,2
					.79	1,02	2,78	4,94	2,91	1,97	145,86
25	1"	-16	M36x2	-12	20,0	25,9	63,0	118,0	64,5	41	51,6
					.79	1,02	2,48	4,65	2,54	1,61	113,78
25	1"	-16	M52x2	-20	20,0	25,9	73,0	128,0	77,5	60	91,3
					.79	1,02	2,87	5,04	3,05	2,36	201,32
31	1 1/4"	-20	M52x2	-16	26,0	32,5	88,0	147,5	87,0	60	105,6
					1,02	1,28	3,46	5,81	3,43	2,36	232,74
31	1 1/4"	-20	M42x2	-16	26,0	32,5	75,5	135,5	75,0	50	84,4
					1,02	1,28	2,97	5,33	2,95	1,97	186,10
38	1 1/2"	-24	M52x2	-20	31,0	38,9	93,5	161,0	93,5	60	129,8
					1,22	1,53	3,68	6,34	3,68	2,36	286,21

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



**Swage Ferrules**

Pages 14-21



**Mobile Interlocking Protection**

Page 88



**Straight Version**

Pages 30-31



**45° Version**

Pages 32-33



**ECOVOS VA Version**

Page 112



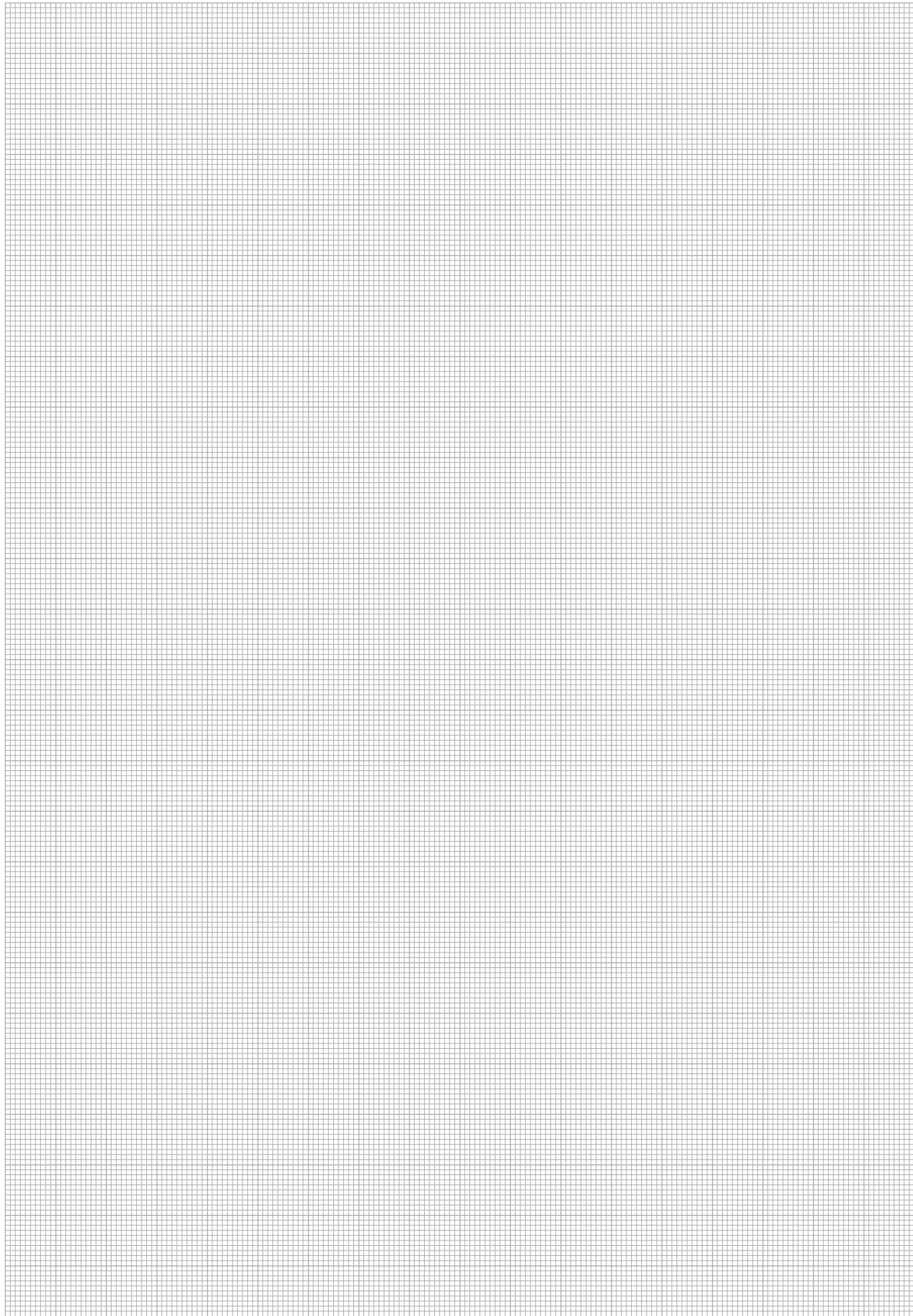
**MULTIVOS Version**

Page 149



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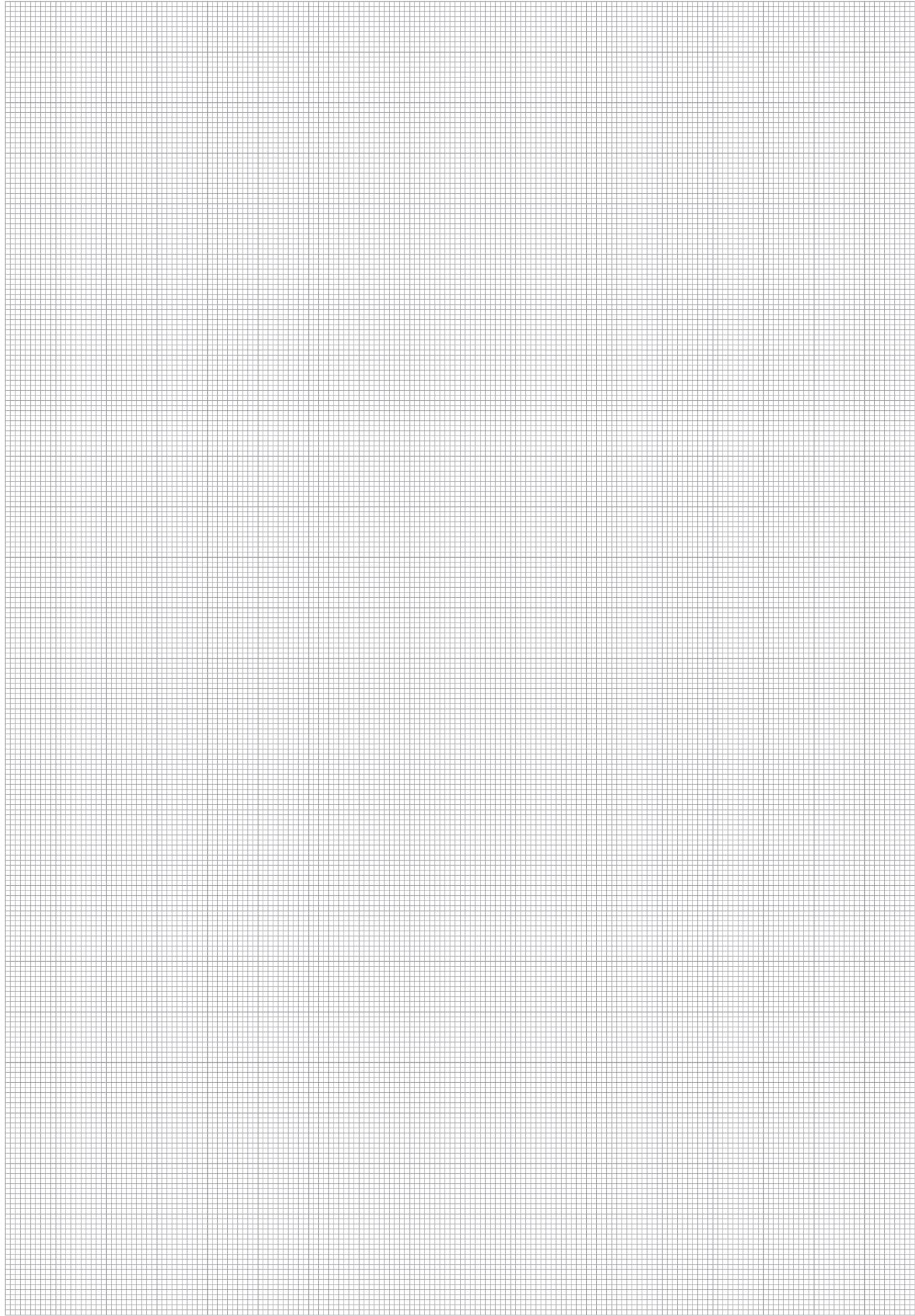


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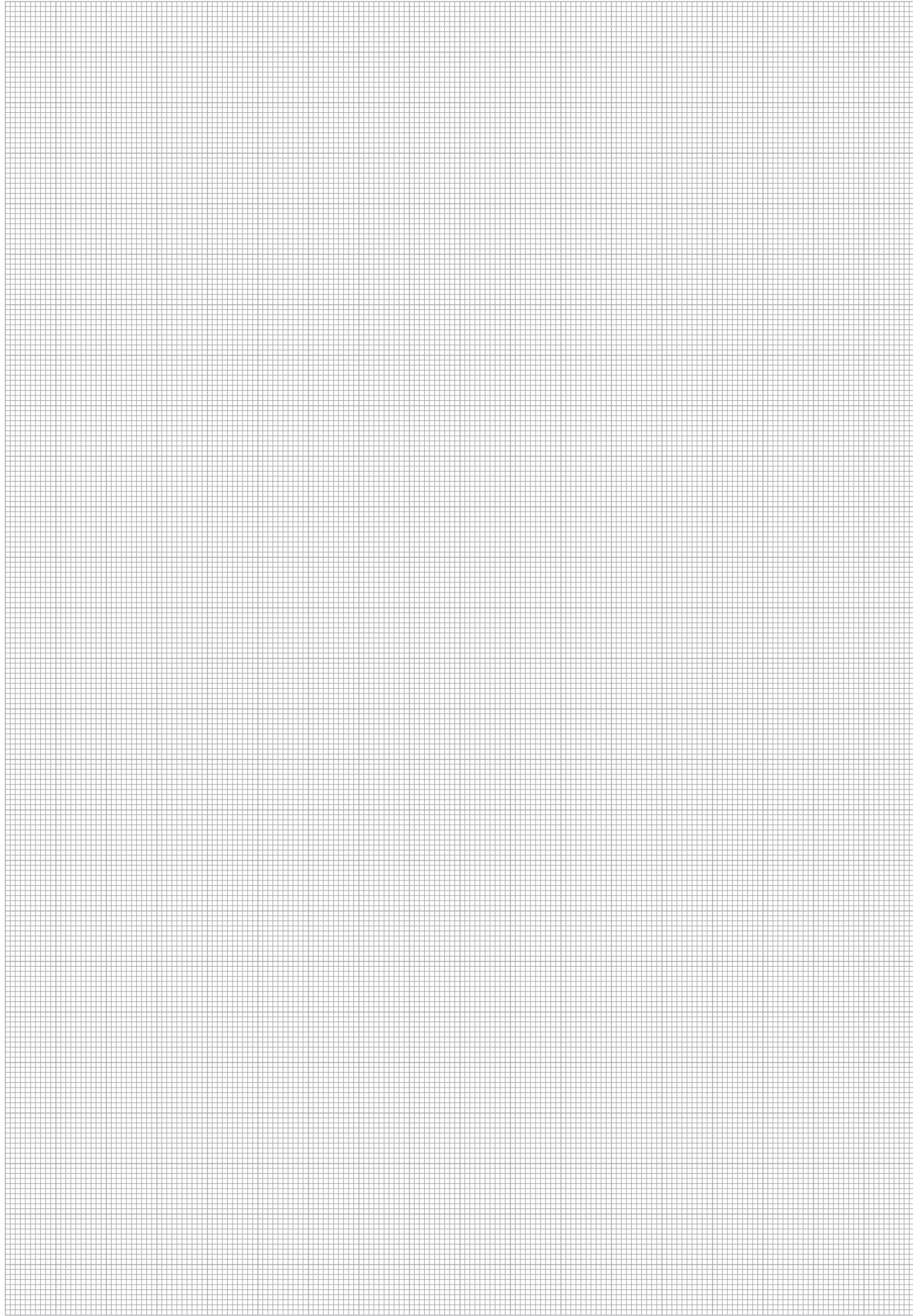
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Catalogue 4 • Edition 02/2025

39

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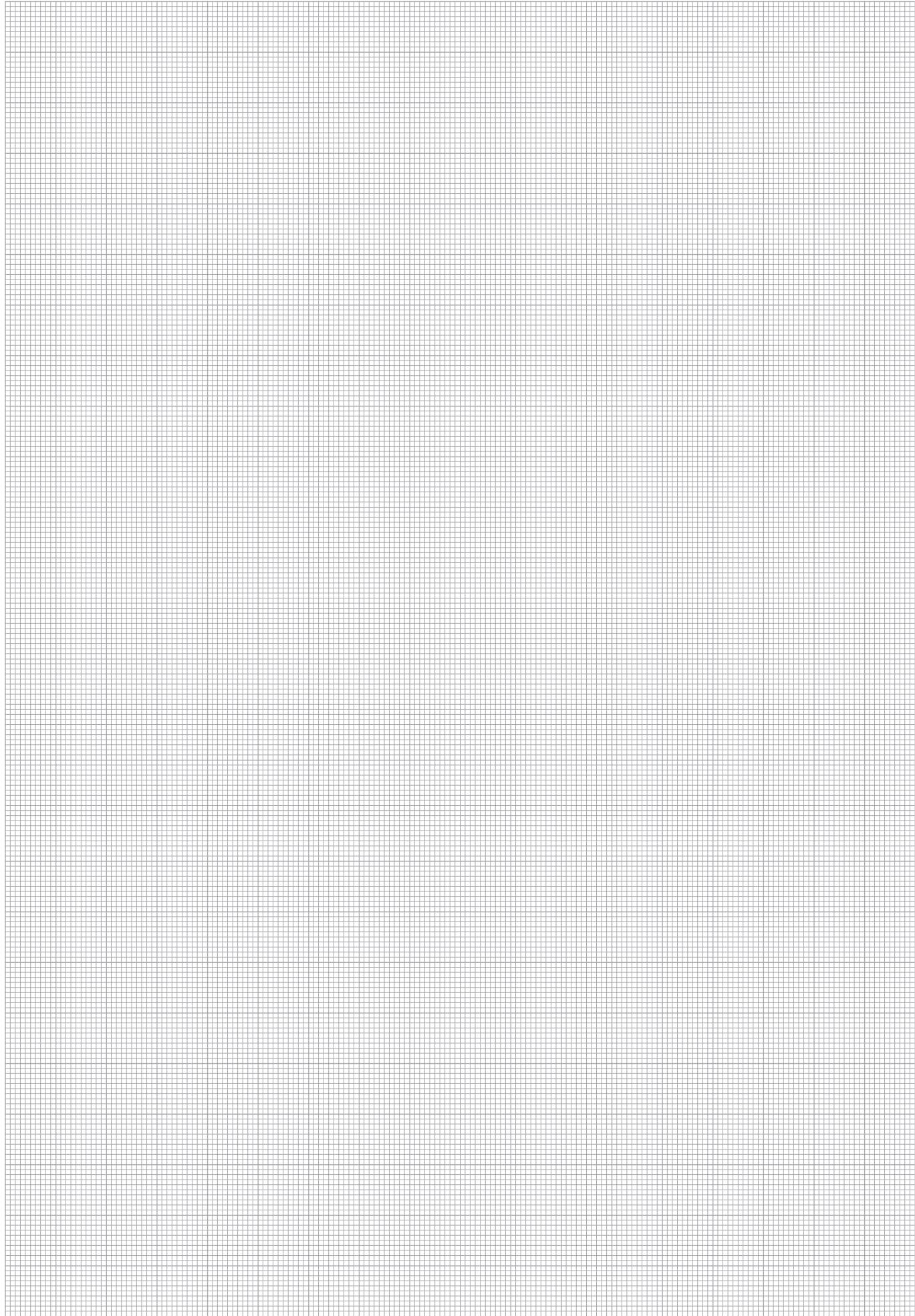
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Catalogue 4 • Edition 02/2025

41

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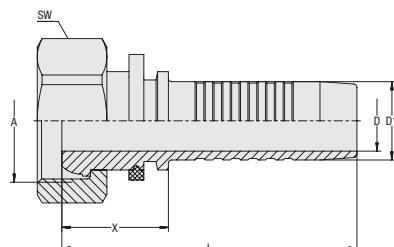
[www.stauff.com/4/en/#43](http://www.stauff.com/4/en/#43)

Catalogue 4 • Edition 02/2025

43

## Straight Insert with Female Metric Nut Thread and Metal Seat Type DKK

A



<b>Connection Type</b>	Female Metric Nut Thread
<b>Sealing Type</b>	60° Metal Seat (suitable for bore type Y)
<b>Standard</b>	DIN 3863-B
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
19	3/4"	-12	M30x1,5	-12	14,8 .58	19,1 .75	26,0 1.02	72,0 2.83	36 1.42	16,5 36,38	HCS-19-DKK-22LL-S-M-W3
25	1"	-16	M38x1,5	-16	20,0 .79	25,9 1.02	27,0 1.06	82,0 3.23	46 1.81	29,8 65,71	HCS-25-DKK-28LL-S-M-W3
31	1 1/4"	-20	M45x1,5	-20	26,0 1.02	32,5 1.28	28,0 1.10	88,0 3.46	50 1.97	37,1 81,81	HCS-31-DKK-35LL-S-M-W3
38	1 1/2"	-24	M52x1,5	-24	31,0 1.22	38,9 1.53	28,5 1.12	96,0 3.78	60 2.36	56,0 123,48	HCS-38-DKK-42LL-S-M-W3
51	2"	-32	M65x2	-32	40,0 1.57	51,6 2.03	32,5 1.28	107,5 4.23	75 2.95	113,2 249,61	HCS-51-DKK-50LL-S-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 14-21



45° Version

Page 45



90° Version

Page 46



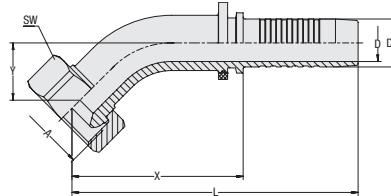
ECOVOS VA Version

Page 113



**45° Elbow Insert with Female Metric Thread and Metal Seat  
Type DKK 45°**

<b>Connection Type</b>	Female Metric Nut Thread
<b>Sealing Type</b>	60° Metal Seat (suitable for bore type Y)
<b>Standard</b>	DIN 3863-B
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating



A

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca.	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex) per 100		
19	3/4"	-12	M30x1,5	-12	14,8 .58	19,1 .75	68,0 2.68	114,0 4.49	26,0 1.02	36 1.42	24,4 53.80	HCS-19-DKK-22LL-045-S-M-W3
					.79	1.02	3.48	5.65	1.28	46	46,4	
25	1"	-16	M38x1,5	-16	20,0 .79	25,9 1.02	88,5 3.48	143,5 5.65	32,5 1.28	46 1.81	102.31	HCS-25-DKK-28LL-045-S-M-W3
					26,0 1.02	32,5 1.28	109,5 4.31	169,0 6.65	36,0 1.42	50 1.97	68,7 151.48	
31	1 1/4"	-20	M45x1,5	-20	31,0 1.22	38,9 1.53	131,5 5.18	199,0 7.83	52,0 2.05	60 2.36	116,7 257.32	HCS-31-DKK-35LL-045-S-M-W3
38	1 1/2"	-24	M52x1,5	-24								HCS-38-DKK-42LL-045-S-M-W3

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 44



90° Version

Page 46

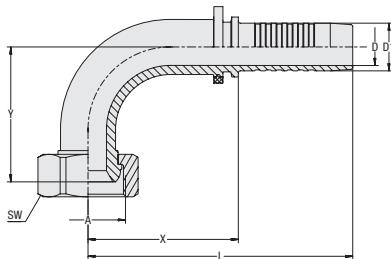


[www.stauff.com/4/en/#45](http://www.stauff.com/4/en/#45)

Catalogue 4 • Edition 02/2025

## 90° Elbow Insert with Female Metric Thread and Metal Seat Type DKK 90°

A



<b>Connection Type</b>	Female Metric Nut Thread
<b>Sealing Type</b>	60° Metal Seat (suitable for bore type Y)
<b>Standard</b>	DIN 3863-B
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
19	3/4"	-12	M30x1,5	-12	14,8 .58	19,1 .75	60,2 2,37	106,0 4,17	54,0 2,13	36 1,42	28,0 61,74	HCS-19-DKK-22LL-090-S-M-W3
25	1"	-16	M38x1,5	-16	20,0 .79	25,9 1,02	78,0 3,07	133,0 5,24	70,9 2,79	46 1,81	53,9 118,85	HCS-25-DKK-28LL-090-S-M-W3
31	1 1/4"	-20	M45x1,5	-20	26,0 1,02	32,5 1,28	102,0 4,02	162,0 6,38	81,0 3,19	50 1,97	81,5 179,71	HCS-31-DKK-35LL-090-S-M-W3
38	1 1/2"	-24	M52x1,5	-24	31,0 1,22	38,9 1,53	112,5 4,43	180,0 7,09	108,5 4,27	60 2,36	138,0 304,29	HCS-38-DKK-42LL-090-S-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 44



ECOVOS VA Version

Page 115



45° Version

Page 45

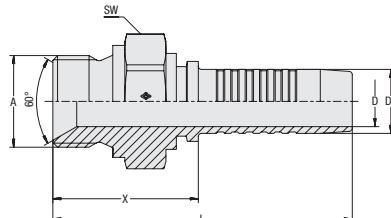


## Straight Insert with Male BSPP Thread and 60° Conical Bore Type AGR

**Connection Type** Male BSPP Thread  
**Sealing Type** 60° Conical Bore  
**Standard** ISO 8434-6, BS 5200

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
 (nominal sizes DN 16 to DN 31)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	G 1/4"	-04	3,9 .15	6,7 .26	29,0 1.14	59,0 2.32	19 .75	3,9 8.49	HCS-06-AGR-04-M-W3
06	1/4"	-04	G 3/8"	-06	3,9 .15	6,7 .26	30,5 1.20	60,5 2.38	22 .87	5,3 11.69	HCS-06-AGR-06-M-W3
06	1/4"	-04	G 1/2"	-08	3,9 .15	6,7 .26	33,5 1.32	64,0 2.52	27 1.06	8,8 19.29	HCS-06-AGR-08-M-W3
08	5/16"	-05	G 1/4"	-04	5,4 .21	8,2 .32	28,5 1.12	59,0 2.32	19 .75	4,0 8.82	HCS-08-AGR-04-M-W3
08	5/16"	-05	G 3/8"	-06	5,4 .21	8,2 .32	30,0 1.18	60,5 2.38	22 .87	5,5 12.13	HCS-08-AGR-06-M-W3
08	5/16"	-05	G 1/2"	-08	5,4 .21	8,2 .32	33,5 1.32	64,0 2.52	27 1.06	9,0 19.85	HCS-08-AGR-08-M-W3
10	3/8"	-06	G 3/8"	-06	6,5 .26	9,9 .39	30,0 1.18	63,5 2.50	22 .87	6,3 13.78	HCS-10-AGR-06-M-W3
10	3/8"	-06	G 1/2"	-08	6,5 .26	9,9 .39	33,5 1.32	67,0 2.64	27 1.06	9,0 19.85	HCS-10-AGR-08-M-W3
12	1/2"	-08	G 1/2"	-08	9,5 .37	13,0 .51	34,5 1.36	70,0 2.76	27 1.06	10,1 22.27	HCS-12-AGR-08-M-W3
12	1/2"	-08	G 3/8"	-06	9,5 .26	13,0 .38	31,0 1.10	66,5 2.74	22 .87	6,7 14.99	HCS-12-AGR-06-M-W3
12	1/2"	-08	G 5/8"	-10	9,5 .37	13,0 .51	36,5 1.44	72,0 2.83	28 1.10	11,7 25.69	HCS-12-AGR-10-M-W3
12	1/2"	-08	G 3/4"	-12	9,5 .37	13,0 .51	37,0 1.46	72,6 2.86	32 1.26	13,3 29.33	HCS-12-AGR-12-M-W3
16	5/8"	-10	G 5/8"	-10	12,6 .50	16,0 .63	36,5 1.44	75,0 2.95	30 1.18	12,4 27.34	HCS-16-AGR-10-M-W3
16	5/8"	-10	G 3/4"	-12	12,6 .50	16,0 .63	37,5 1.48	76,0 2.99	32 1.26	13,9 30.65	HCS-16-AGR-12-M-W3
19	3/4"	-12	G 3/4"	-12	14,8 .58	19,1 .75	38,0 1.50	84,0 3.31	32 1.26	16,6 36.60	HCS-19-AGR-12-M-W3
19	3/4"	-12	G 1"	-16	14,8 .58	19,1 .75	42,0 1.65	88,0 3.46	41 1.61	24,4 53.69	HCS-19-AGR-16-M-W3
25	5/16"	-05	G 1"	-16	20,0 .79	25,9 1.02	43,0 1.69	98,5 3.88	41 1.61	30,8 67.91	HCS-25-AGR-16-M-W3
25	5/16"	-05	G 1 1/4"	-20	20,0 .79	25,9 1.02	45,5 1.79	100,5 3.96	50 1.97	40,2 88.64	HCS-25-AGR-20-M-W3
31	1 1/4"	-20	G 1 1/4"	-20	26,0 1.02	32,5 1.28	46,5 1.83	106,5 4.19	50 1.97	47,1 103.90	HCS-31-AGR-20-M-W3
38	1 1/2"	-24	G 1 1/2"	-24	31,0 1.22	38,9 1.53	52,5 2.07	120,5 4.74	55 2.17	69,3 152.81	HCS-38-AGR-24-M-W3
51	2"	-32	G 2"	-32	40,0 1.57	51,6 2.03	60,0 2.36	135,5 5.33	70 2.76	134,6 296.79	HCS-51-AGR-32-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 14-21



ECOVOS VA Version

Page 116



MULTIVOS Version

Page 150



Mobile Interlocking Protection

Page 88

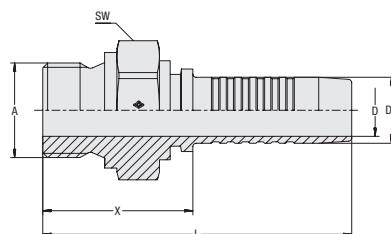


www.stauff.com/4/en/#47

Catalogue 4 • Edition 02/2025

## Straight Insert with Male BSPP Thread Type AGRF

A



**Connection Type** Male BSPP Thread  
**Sealing Type** Sealing Surface

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection (nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	G 1/4"	-04	3,9 .15	6,7 .26	19,5 .77	54,5 2,15	19 .75	3,1 6,90	HCS-06-AGRF-04-M-W3
10	3/8"	-06	G 1/4"	-04	6,5 .26	9,9 .39	20,0 .79	58,3 2,30	19 .75	3,7 8,16	HCS-10-AGRF-04-M-W3
10	3/8"	-06	G 3/8"	-06	6,5 .26	9,9 .39	23,3 .92	61,6 2,43	22 .87	5,6 12,35	HCS-10-AGRF-06-M-W3
10	3/8"	-06	G 1/2"	-08	6,5 .26	9,9 .39	25,9 1,02	64,2 2,53	27 1,06	8,5 18,74	HCS-10-AGRF-08-M-W3
12	1/2"	-08	G 3/8"	-06	9,5 .37	13,0 .51	22,7 .89	63,7 2,51	22 .87	5,8 12,79	HCS-12-AGRF-06-M-W3
12	1/2"	-08	G 1/2"	-08	9,5 .37	13,0 .51	25,3 1,00	66,3 2,61	27 1,06	8,5 18,74	HCS-12-AGRF-08-M-W3
12	1/2"	-08	G 3/4"	-12	9,5 .37	13,0 .51	30,6 1,20	71,6 2,82	32 1,26	14,5 31,97	HCS-12-AGRF-12-M-W3
16	5/8"	-10	G 3/4"	-12	12,6 .50	16,0 .63	30,6 1,20	74,6 2,94	32 1,26	14,0 30,87	HCS-16-AGRF-12-M-W3
19	3/4"	-12	G 3/4"	-12	14,8 .58	19,1 .75	30,7 1,21	82,7 3,26	32 1,26	15,0 33,08	HCS-19-AGRF-12-M-W3
19	3/4"	-12	G 1"	-16	14,8 .58	19,1 .75	36,5 1,44	88,5 3,48	41 1,61	28,5 62,84	HCS-19-AGRF-16-M-W3
25	1"	-16	G 1"	-16	20,0 .79	25,9 1,02	37,8 1,49	99,8 3,93	41 1,61	30,9 68,13	HCS-25-AGRF-16-M-W3
25	1"	-16	G 1 1/4"	-20	20,0 .79	25,9 1,02	40,2 1,58	102,2 4,02	50 1,97	48,7 107,38	HCS-25-AGRF-20-M-W3
31	1 1/4"	-20	G 1 1/4"	-20	26,0 1,02	32,5 1,28	48,2 1,90	108,2 4,26	50 1,97	48,6 107,16	HCS-31-AGRF-20-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Mobile Interlocking Protection

Page 88



ECOVOS VA Version

Page 118

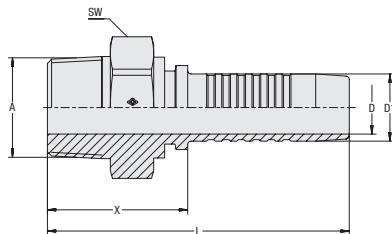


**Straight Insert with Male BSPT Thread  
Type AGRK**

**Connection Type** Male BSPT Thread  
**Sealing Type** Tapered Thread

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	R 1/8"	-03	3,9 .15	6,7 .26	23,4 .92	53,6 2,11	14 .55	2,0 4,41	HCS-06-AGRK-03-M-W3
06	1/4"	-04	R 1/4"	-04	3,9 .15	6,7 .26	30,8 1,21	61,0 2,40	17 .67	3,1 6,84	HCS-06-AGRK-04-M-W3
06	1/4"	-04	R 3/8"	-06	3,9 .15	6,7 .26	30,5 1,20	60,7 2,39	19 .75	4,8 10,58	HCS-06-AGRK-06-M-W3
08	5/16"	-05	R 3/8"	-06	5,4 .21	8,0 .31	30,9 1,22	61,1 2,41	19 .75	4,5 9,92	HCS-08-AGRK-06-M-W3
10	3/8"	-06	R 3/8"	-06	6,5 .26	9,6 .38	30,3 1,19	63,8 2,51	19 .75	5,1 11,25	HCS-10-AGRK-06-M-W3
10	3/8"	-06	R 1/2"	-08	6,5 .26	9,6 .38	36,7 1,44	70,2 2,76	22 .87	8,6 18,96	HCS-10-AGRK-08-M-W3
12	1/2"	-08	R 1/2"	-08	9,5 .37	12,8 .50	37,4 1,47	72,9 2,87	22 .87	8,6 18,96	HCS-12-AGRK-08-M-W3
16	5/8"	-10	R 5/8"	-10	12,6 .50	16,0 .63	39,3 1,55	77,8 3,06	27 1,06	11,3 24,92	HCS-16-AGRK-10-M-W3
16	5/8"	-10	R 3/4"	-12	12,6 .50	16,0 .63	41,6 1,64	80,1 3,15	30 1,18	15,0 33,08	HCS-16-AGRK-12-M-W3
19	3/4"	-12	R 3/4"	-12	14,8 .58	19,1 .75	40,6 1,60	86,6 3,41	30 1,18	15,8 34,84	HCS-19-AGRK-12-M-W3
25	1"	-16	R 1"	-16	20,0 .79	25,9 1,02	55,2 1,28	104,3 2,36	36 4,57	28,6 1,81	HCS-25-AGRK-16-M-W3
31	1 1/4"	-20	R 1 1/4"	-20	26,0 1,02	32,5 1,28	60,0 2,36	116,0 4,57	46 125,5	50,0 50	HCS-31-AGRK-20-M-W3
38	1 1/2"	-24	R 1 1/2"	-24	31,0 1,22	38,9 1,53	57,8 2,28	125,5 4,94	50 1,97	66,5 146,63	HCS-38-AGRK-24-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Mobile Interlocking Protection

Page 88



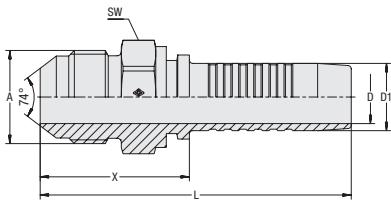
ECOVOS VA Version

Page 119



## Straight Insert with Male UN/UNF Thread and 74° Taper Type AGJ

A



**Connection Type** Male UN/UNF Thread  
**Sealing Type** 74° Taper  
**Standard** ISO 8434-2

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection (nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	7/16"-20 UNF	-04	3,9 .15	6,7 .26	28,0 1,10	58,0 2,28	14 .55	2,4 .09	HCS-06-AGJ-04-M-W3
06	1/4"	-04	1/2"-20 UNF	-05	3,9 .15	6,7 .26	28,0 1,10	58,0 2,28	14 .55	2,5 .10	HCS-06-AGJ-05-M-W3
06	1/4"	-04	9/16"-18 UNF	-06	3,9 .15	6,7 .26	28,0 1,10	58,0 2,28	17 .67	3,1 .12	HCS-06-AGJ-06-M-W3
08	5/16"	-05	1/2"-20 UNF	-05	5,4 .21	8,2 .32	28,0 1,10	58,0 2,28	14 .55	2,7 .11	HCS-08-AGJ-05-M-W3
08	5/16"	-05	9/16"-18 UNF	-06	5,4 .21	8,2 .32	28,0 1,10	58,0 2,28	17 .67	3,2 .12	HCS-08-AGJ-06-M-W3
08	5/16"	-05	3/4"-16 UNF	-08	5,4 .21	8,2 .32	31,5 1,24	62,0 2,44	22 .87	5,3 .21	HCS-08-AGJ-08-M-W3
10	3/8"	-06	9/16"-18 UNF	-06	6,5 .26	9,9 .39	28,0 1,10	61,5 2,42	17 .67	3,9 .15	HCS-10-AGJ-06-M-W3
10	3/8"	-06	1/2"-20 UNF	-05	6,5 .26	9,9 .39	29,0 1,14	62,5 2,46	14 .55	3,1 .12	HCS-10-AGJ-05-M-W3
10	3/8"	-06	3/4"-16 UNF	-08	6,5 .26	9,9 .39	31,5 1,24	65,0 2,56	22 .87	5,9 .23	HCS-10-AGJ-08-M-W3
10	3/8"	-06	7/8"-14 UNF	-10	6,5 .26	9,9 .39	35,0 1,38	68,5 2,70	24 .94	7,5 .29	HCS-10-AGJ-10-M-W3
12	1/2"	-08	3/4"-16 UNF	-08	9,5 .37	13,0 .51	32,5 1,28	68,0 2,68	22 .87	6,7 .26	HCS-12-AGJ-08-M-W3
12	1/2"	-08	7/8"-14 UNF	-10	9,5 .37	13,0 .51	35,5 1,40	71,0 2,80	24 .94	8,3 .32	HCS-12-AGJ-10-M-W3
12	1/2"	-08	1 1/16"-12 UN	-12	9,5 .37	13,0 .51	40,0 1,57	75,5 2,97	30 1,18	13,0 .51	HCS-12-AGJ-12-M-W3
16	5/8"	-10	7/8"-14 UNF	-10	12,6 .50	16,0 .63	35,5 1,40	74,0 2,91	24 .94	8,8 .34	HCS-16-AGJ-10-M-W3
16	5/8"	-10	1 1/16"-12 UN	-12	12,6 .50	16,0 .63	40,0 1,57	78,5 3,09	30 1,18	13,2 .52	HCS-16-AGJ-12-M-W3
19	3/4"	-12	1 1/16"-12 UN	-12	14,8 .58	19,1 .75	40,5 1,59	86,5 3,41	30 1,18	15,5 .61	HCS-19-AGJ-12-M-W3
19	3/4"	-12	1 5/16"-12 UN	-16	14,8 .58	19,1 .75	43,0 1,69	89,0 3,50	36 1,42	20,4 .80	HCS-19-AGJ-16-M-W3
25	1"	-16	1 5/16"-12 UN	-16	20,0 .79	25,9 1,02	44,5 1,75	99,5 3,92	36 1,42	22,6 .89	HCS-25-AGJ-16-M-W3
25	1"	-16	1 5/8"-12 UN	-20	20,0 .79	25,9 1,02	48,0 1,89	103,0 4,06	46 1,81	44,0 1,73	HCS-25-AGJ-20-M-W3
31	1 1/4"	-20	1 5/8"-12 UN	-20	26,0 1,02	32,5 1,28	49,0 1,93	109,0 4,29	46 1,81	43,6 1,72	HCS-31-AGJ-20-M-W3
31	1 1/4"	-20	1 7/8"-12 UN	-24	26,0 1,02	32,5 1,28	54,0 2,13	114,0 4,49	50 1,97	60,3 2,37	HCS-31-AGJ-24-M-W3
38	1 1/2"	-24	1 7/8"-12 UN	-24	31,0 1,22	38,9 1,53	55,5 2,19	123,0 4,84	50 1,97	61,1 2,41	HCS-38-AGJ-24-M-W3
51	2"	-32	2 1/2"-12 UN	-32	40,0 1,57	51,6 2,03	67,0 2,64	142,0 5,59	65 2,56	129,0 5,08	HCS-51-AGJ-32-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 14-21



ECOVOS VA Version

Page 117



MULTIVOS Version

Page 151



Mobile Interlocking Protection

Page 88

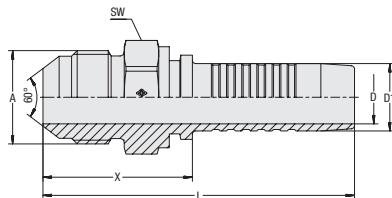


### Straight Insert with Male BSPP Thread and 60° Taper Type AGJG

**Connection Type** Male BSPP Thread  
**Sealing Type** 60° Taper  
**Standard** JIS 8363 (KOMATSU)

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
 (nominal size DN 19)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	G 1/4"	-04	3,9 .15	6,7 .26	28,3 1.11	58,5 2.30	17 .67	3,2 .12	HCS-06-AGJG-04-M-W3-KOM
08	5/16"	-05	G 3/8"	-06	5,4 .21	8,2 .32	31,3 1.23	61,5 2.42	19 .75	4,0 .16	HCS-08-AGJG-06-M-W3-KOM
10	3/8"	-06	G 3/8"	-06	6,5 .26	9,9 .39	31,3 1.23	64,8 2.55	19 .75	5,3 .21	HCS-10-AGJG-06-M-W3-KOM
12	1/2"	-08	G 1/2"	-08	9,5 .37	13,0 .51	35,6 1.40	71,1 2.80	22 .87	5,9 .23	HCS-12-AGJG-08-M-W3-KOM
19	3/4"	-12	G 3/4"	-12	14,8 .58	19,1 .75	39,7 1.56	85,7 3.37	30 1.18	13,1 .52	HCS-19-AGJG-12-M-W3-KOM

#### Related Products and Accessories



Swage Ferrules

Pages 14-21



Mobile Interlocking Protection

Page 88



45° Version

Page 52



90° Version

Page 53



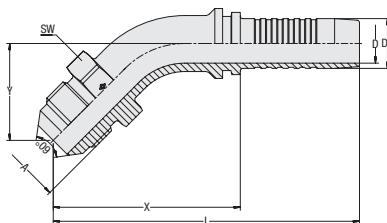
[www.stauff.com/4/en/#51](http://www.stauff.com/4/en/#51)

Catalogue 4 • Edition 02/2025

51

## 45° Elbow Insert with Male BSPP Thread and 60° Taper Type AGJG 45°

A



**Connection Type** Male BSPP Thread  
**Sealing Type** 60° Taper  
**Standard** JIS 8363 (KOMATSU)

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection (nominal size DN 19)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
06	1/4"	-04	G 1/4"	-04	3,9 .15	6,7 .26	50,4 1.98	80,6 3.17	26,5 1.04	17 .67	3,6 7.94	HCS-06-AGJG-04-045-M-W3-KOM
08	5/16"	-05	G 3/8"	-06	5,4 .21	8,2 .32	51,3 2.02	81,5 3.21	28,0 1.10	19 .75	5,0 10.91	HCS-08-AGJG-06-045-M-W3-KOM
10	3/8"	-06	G 3/8"	-06	6,5 .26	9,9 .39	53,4 2.10	87,2 3.43	25,5 1.00	19 .75	6,5 14.33	HCS-10-AGJG-06-045-M-W3-KOM
12	1/2"	-08	G 1/2"	-08	9,5 .37	13,0 .51	55,4 2.18	90,9 3.58	29,0 1.14	22 .87	7,2 15.88	HCS-12-AGJG-08-045-M-W3-KOM
19	3/4"	-12	G 3/4"	-12	14,8 .58	19,1 .75	72,2 2.84	118,7 4.67	39,5 1.56	30 1.18	15,9 35.06	HCS-19-AGJG-12-045-M-W3-KOM

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Mobile Interlocking Protection

Page 88



Straight Version

Page 51



90° Version

Page 53

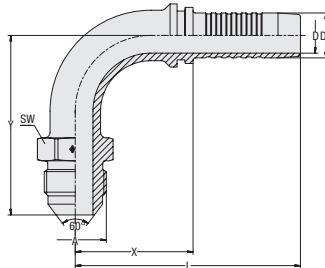


**Connection Type** Male BSPP Thread  
**Sealing Type** 60° Taper  
**Standard** JIS 8363 (KOMATSU)

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal size DN 19)

### 90° Elbow Insert with Male BSPP Thread and 60° Taper Type AGJG 90°



A

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca.	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex) per 100		
06	1/4"	-04	G 1/4"	-04	3,9 .15	6,7 .26	32,8 1.29	63,0 2.48	46,1 1.81	17 .67	3,9 8.60	HCS-06-AGJG-04-090-M-W3-KOM
08	5/16"	-05	G 3/8"	-06	5,4 .21	8,2 .32	32,3 1.27	62,5 2.46	48,0 1.89	19 .75	5,4 11.91	HCS-08-AGJG-06-090-M-W3-KOM
10	3/8"	-06	G 3/8"	-06	6,5 .26	9,9 .39	37,0 1.46	70,5 2.78	51,9 2.04	19 .75	7,7 16.98	HCS-10-AGJG-06-090-M-W3-KOM
12	1/2"	-08	G 1/2"	-08	9,5 .37	13,0 .51	38,5 1.52	74,0 2.91	53,6 2.11	22 .87	8,4 18.41	HCS-12-AGJG-08-090-M-W3-KOM
19	3/4"	-12	G 3/4"	-12	14,8 .58	19,1 .75	62,8 2.47	108,8 4.28	74,9 2.95	30 1.18	18,4 40.57	HCS-19-AGJG-12-090-M-W3-KOM

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 14-21



Mobile Interlocking Protection

Page 88



Straight Version

Page 51



45° Version

Page 52

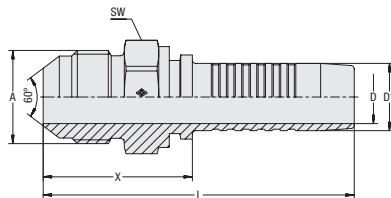


[www.stauff.com/4/en/#53](http://www.stauff.com/4/en/#53)

Catalogue 4 • Edition 02/2025

## Straight Insert with Male Metric Thread and 60° Taper Type AGJM

A



**Connection Type** Male Metric Thread  
**Sealing Type** 60° Taper  
**Standard** JIS 8363 (KOMATSU)

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection (nominal sizes DN 16 to DN 31)

Hose Size			Connection Size	Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	D	D1	X	L	SW (Hex)		
06	1/4"	-04	M14x1,5	3,9 .15	6,7 .26	29,6 1.17	59,8 2.35	14 .55	2,7 5.95	HCS-06-AGJM-M14-M-W3-KOM
06	1/4"	-04	M16x1,5	3,9 .15	6,7 .26	30,6 1.20	60,8 2.39	17 .67	4,0 8.82	HCS-06-AGJM-M16-M-W3-KOM
10	3/8"	-06	M16x1,5	6,5 .26	9,9 .39	30,6 1.20	69,1 2.72	17 .67	4,0 8.82	HCS-10-AGJM-M16-M-W3-KOM
10	3/8"	-06	M18x1,5	6,5 .26	9,9 .39	31,4 1.24	64,9 2.56	19 .75	5,0 11.03	HCS-10-AGJM-M18-M-W3-KOM
10	3/8"	-06	M20x1,5	6,5 .26	9,9 .39	34,6 1.36	68,1 2.68	22 .87	7,0 15.44	HCS-10-AGJM-M20-M-W3-KOM
12	1/2"	-08	M22x1,5	9,5 .37	13,0 .51	36,2 1.43	71,7 2.82	22 .87	8,2 18.08	HCS-12-AGJM-M22-M-W3-KOM
12	1/2"	-08	M24x1,5	9,5 .37	13,0 .51	38,4 1.51	73,9 2.91	24 .94	10,2 22.49	HCS-12-AGJM-M24-M-W3-KOM
16	5/8"	-10	M24x1,5	12,6 .50	16,0 .63	39,0 1.54	77,5 3.05	24 .94	9,7 21.39	HCS-16-AGJM-M24-M-W3-KOM
16	5/8"	-10	M28x1,5	12,6 .50	16,0 .63	42,2 1.66	80,7 3.18	30 1.18	15,3 33.74	HCS-16-AGJM-M28-M-W3-KOM
19	3/4"	-12	M30x1,5	14,8 .58	19,1 .75	44,8 1.76	90,8 3.57	30 1.18	18,3 40.35	HCS-19-AGJM-M30-M-W3-KOM
25	1"	-16	M33x1,5	20,0 .79	25,9 1.02	53,5 1.28	108,7 2.29	36 4.65	28,2 62.18	HCS-25-AGJM-M33-M-W3-KOM
31	1 1/4"	-20	M36x1,5	26,0 1.02	32,5 1.28	58,2 2.29	118,2 4.65	41 1.61	42,1 92.83	HCS-31-AGJM-M36-M-W3-KOM
38	1 1/2"	-24	M42x1,5	31,0 1.22	38,9 1.53	60,6 2.39	128,3 5.05	46 1.81	52,7 116.20	HCS-38-AGJM-M42-M-W3-KOM

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Mobile Interlocking Protection

Page 88



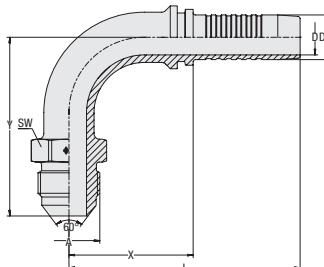
90° Version

Page 55



**Connection Type** Male Metric Thread  
**Sealing Type** 60° Taper  
**Standard** JIS 8363 (KOMATSU)  
**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

### 90° Elbow Insert with Male Metric Thread and 60° Taper Type AGJM 90°



Hose Size			Connection Size	Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	D	D1	X	L	Y	SW (Hex)	
10	3/8"	-06	M18x1,5	6,5	9,9	37,0	70,5	52,5	19	8,3
				.26	.39	1.46	2.78	2.07	.75	18.30
10	3/8"	-06	M20x1,5	6,5	9,9	37,0	70,5	55,7	22	10,2
				.26	.39	1.46	2.78	2.19	.87	22.49
12	1/2"	-08	M20x1,5	9,5	13,0	38,5	74,0	55,7	22	11,4
				.37	.51	1.52	2.91	2.19	.87	25.14

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 54

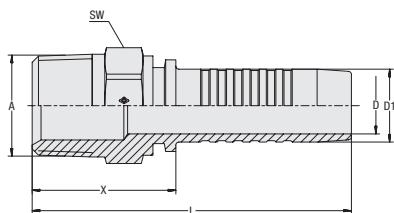


[www.stauff.com/4/en/#55](http://www.stauff.com/4/en/#55)

Catalogue 4 • Edition 02/2025

## Straight Insert with Male NPTF Thread and 60° Conical Bore Type AGN

A



**Connection Type** Male NPTF Thread  
**Sealing Type** Tapered Thread and 60° Conical Bore  
**Standard** SAE J 516

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection (nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	1/4"-18 NPTF	-04	3,9 .15	6,7 .26	28,0 1,10	58,0 2,28	14 .55	2,8 6,06	HCS-06-AGN-04-M-W3
06	1/4"	-04	1/8"-27 NPTF	-03	3,9 .15	6,7 .26	23,0 .91	53,0 2,09	12 .47	1,9 4,08	HCS-06-AGN-03-M-W3
06	1/4"	-04	3/8"-18 NPTF	-06	3,9 .15	6,7 .26	28,5 1,12	58,5 2,30	19 .75	3,9 8,49	HCS-06-AGN-06-M-W3
08	5/16"	-05	1/4"-18 NPTF	-04	5,4 .21	8,2 .32	28,0 1,10	58,0 2,28	14 .55	3,0 6,50	HCS-08-AGN-04-M-W3
08	5/16"	-05	3/8"-18 NPTF	-06	5,4 .21	8,2 .32	28,5 1,12	59,0 2,32	19 .75	4,1 8,93	HCS-08-AGN-06-M-W3
10	3/8"	-06	3/8"-18 NPTF	-06	6,5 .26	9,9 .39	28,5 1,12	62,0 2,44	19 .75	4,6 10,14	HCS-10-AGN-06-M-W3
10	3/8"	-06	1/4"-18 NPTF	-04	6,5 .26	9,9 .39	29,0 1,14	62,5 2,46	14 .55	3,6 7,83	HCS-10-AGN-04-M-W3
10	3/8"	-06	1/2"-14 NPTF	-08	6,5 .26	9,9 .39	34,5 1,36	68,0 2,68	22 .87	6,7 14,77	HCS-10-AGN-08-M-W3
12	5/16"	-05	1/2"-14 NPTF	-08	9,5 .37	13,0 .51	35,0 1,38	70,5 2,78	22 .87	7,5 16,54	HCS-12-AGN-08-M-W3
12	5/16"	-05	3/8"-18 NPTF	-06	9,5 .37	13,0 .51	29,5 1,16	65,0 2,56	19 .75	5,6 12,35	HCS-12-AGN-06-M-W3
12	5/16"	-05	3/4"-14 NPTF	-12	9,5 .37	13,0 .51	37,0 1,46	72,5 2,85	27 1,06	10,4 22,82	HCS-12-AGN-12-M-W3
16	5/8"	-10	1/2"-14 NPTF	-08	12,6 .50	16,0 .63	36,0 1,42	74,5 2,93	22 .87	8,4 18,52	HCS-16-AGN-08-M-W3
16	5/8"	-10	3/4"-14 NPTF	-12	12,6 .50	16,0 .63	37,0 1,46	75,5 2,97	27 1,06	11,1 24,37	HCS-16-AGN-12-M-W3
19	3/4"	-12	3/4"-14 NPTF	-12	14,8 .58	19,1 .75	37,5 1,48	83,5 3,29	27 1,06	13,0 28,67	HCS-19-AGN-12-M-W3
19	3/4"	-12	1"-11,5 NPTF	-16	14,8 .58	19,1 .75	42,5 1,67	88,5 3,48	36 1,42	20,6 45,42	HCS-19-AGN-16-M-W3
25	5/16"	-05	1"-11,5 NPTF	-16	20,0 .79	25,9 1,02	44,0 1,73	99,0 3,90	36 1,42	24,8 54,68	HCS-25-AGN-16-M-W3
25	1"	-16	3/4"-14 NPTF	-12	20,0 .79	25,9 1,02	39,0 1,54	94,0 3,70	32 1,26	20,4 44,98	HCS-25-AGN-12-M-W3
25	5/16"	-05	1 1/4"-11,5 NPTF	-20	20,0 .79	25,9 1,02	46,0 1,81	101,0 3,98	46 1,81	33,4 73,65	HCS-25-AGN-20-M-W3
31	1 1/4"	-20	1 1/4"-11,5 NPTF	-20	26,0 1,02	32,5 1,28	47,0 1,85	107,0 4,21	46 1,81	39,1 86,11	HCS-31-AGN-20-M-W3
38	1 1/2"	-24	1 1/2"-11,5 NPTF	-24	31,0 1,22	38,9 1,53	51,0 2,01	118,5 4,67	50 1,97	53,7 118,41	HCS-38-AGN-24-M-W3
51	2"	-32	2"-11,5 NPTF	-32	40,0 1,57	51,6 2,03	56,0 2,20	131,0 5,16	65 2,56	119,6 263,61	HCS-51-AGN-32-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 14-21



ECOVOS VA Version

Page 120



MULTIVOS Version

Page 152



Mobile Interlocking Protection

Page 88



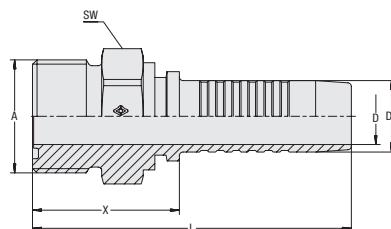
Straight Insert with O-Ring Face Seal Connection  
Type ORFS

**Connection Type** Male UN/UNF Thread  
**Sealing Type** O-Ring Face Seal  
(O-Ring not included in delivery.)

**Standard** ISO 8434-3

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	9/16-18 UNF	-04	3,9 .15	6,7 .26	24,5 .96	54,5 2,15	17 .67	3,0 6,62	HCS-06-ORFS-04-M-W3
10	3/8"	-06	11/16-16 UN	-06	6,5 .26	9,9 .39	26,5 1,04	60,0 2,36	22 .87	5,8 12,79	HCS-10-ORFS-06-M-W3
10	3/8"	-06	13/16-16 UN	-08	6,5 .26	9,9 .39	28,0 1,10	61,5 2,42	22 .87	6,8 14,99	HCS-10-ORFS-08-M-W3
10	3/8"	-06	1-14 UNS	-10	6,5 .26	9,9 .39	32,0 1,26	65,5 2,58	27 1,06	9,9 21,72	HCS-10-ORFS-10-M-W3
12	1/2"	-08	13/16-16 UN	-08	9,5 .37	13,0 .51	30,5 1,20	64,5 2,54	22 .87	7,1 15,66	HCS-12-ORFS-08-M-W3
16	5/8"	-10	1-14 UNS	-10	12,6 .50	16,0 .63	35,0 1,38	73,5 2,89	30 1,18	12,5 27,56	HCS-16-ORFS-10-M-W3
16	5/8"	-10	1 3/16-12 UN	-12	12,6 .50	16,0 .63	35,0 1,38	73,5 2,89	32 1,26	16,7 36,71	HCS-16-ORFS-12-M-W3
19	3/4"	-12	1 3/16-12 UN	-12	14,8 .58	19,1 .75	37,5 1,48	81,8 3,22	36 1,42	17,2 37,93	HCS-19-ORFS-12-M-W3
25	1"	-16	1 7/16-12 UN	-16	20,0 .79	25,9 1,02	43,0 1,69	98,5 3,88	41 1,61	28,5 62,84	HCS-25-ORFS-16-M-W3
31	1 1/4"	-20	1 11/16-12 UN	-20	26,0 1,02	32,5 1,28	43,5 1,71	103,5 4,07	46 1,81	44,6 98,23	HCS-31-ORFS-20-M-W3
38	1 1/2"	-24	2 -12 UN	-24	31,0 1,22	38,9 1,53	44,0 1,73	111,5 4,39	55 2,17	65,6 144,54	HCS-38-ORFS-24-M-W3

## Related Products and Accessories



Swage Ferrules

Pages 14-21



Mobile Interlocking Protection

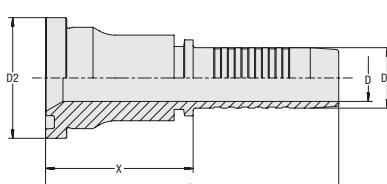
Page 88


[www.stauff.com/4/en/#57](http://www.stauff.com/4/en/#57)

Catalogue 4 • Edition 02/2025

## Straight Insert with SAE Flange Adaptor Type SFL (3000 PSI Series)

A



**Connection Type** SAE Flange Adaptor  
**Sealing Type** O-Ring Face Seal  
**Standard** (O-Ring not included in delivery.)  
 SAE J 518, ISO 6162-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
 (nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L		
12	1/2"	-8	1/2"	-08	9,5 .37	13,0 .51	30,2 1,19	45,5 1,79	81,0 3,19	11,7 25,80	HCS-12-SFL-08-M-W3
12	1/2"	-8	3/4"	-12	9,5 .37	13,0 .51	38,1 1,50	57,5 2,26	93,0 3,66	19,4 42,78	HCS-12-SFL-12-B-W3
12	1/2"	-8	1"	-16	9,5 .37	13,0 .51	44,5 1,75	57,5 2,26	93,0 3,66	24,8 54,68	HCS-12-SFL-16-B-W3
16	5/8"	-10	3/4"	-12	12,6 .50	16,0 .63	38,1 1,50	46,0 1,81	84,5 3,33	17,8 39,25	HCS-16-SFL-12-M-W3
16	5/8"	-10	1/2"	-08	12,6 .50	16,0 .63	30,2 1,19	54,5 2,15	93,0 3,66	14,4 31,75	HCS-16-SFL-08-B-W3
16	5/8"	-10	1"	-16	12,6 .50	16,0 .63	44,5 1,75	45,5 1,79	84,0 3,31	25,1 55,35	HCS-16-SFL-16-B-W3
19	3/4"	-12	3/4"	-12	14,8 .58	19,1 .75	38,1 1,50	46,5 1,83	92,5 3,64	21,2 46,75	HCS-19-SFL-12-M-W3
19	3/4"	-12	1"	-16	14,8 .58	19,1 .75	44,5 1,75	49,0 1,93	95,0 3,74	29,4 64,72	HCS-19-SFL-16-M-W3
19	3/4"	-12	1 1/4"	-20	14,8 .58	19,1 .75	50,8 2,00	44,0 1,73	90,0 3,54	29,0 63,95	HCS-19-SFL-20-B-W3
25	1"	-16	1"	-16	20,0 .79	25,9 1,02	44,5 1,75	48,0 1,89	103,0 4,06	32,9 72,54	HCS-25-SFL-16-M-W3
25	1"	-16	1 1/4"	-20	20,0 .79	25,9 1,02	50,8 2,00	68,0 2,68	123,5 4,86	49,0 108,05	HCS-25-SFL-20-M-W3
25	1"	-16	3/4"	-12	20,0 .79	25,9 1,02	38,1 1,50	57,0 2,24	112,0 4,41	31,7 69,79	HCS-25-SFL-12-B-W3
25	1"	-16	1 1/2"	-24	20,0 .79	25,9 1,02	60,3 2,37	58,0 2,28	113,0 4,45	50,2 110,69	HCS-25-SFL-24-B-W3
31	1 1/4"	-20	1 1/4"	-20	26,0 1,02	32,5 1,28	50,8 2,00	69,5 2,74	129,5 5,10	49,9 110,03	HCS-31-SFL-20-M-W3
31	1 1/4"	-20	1"	-16	26,0 1,02	32,5 1,28	44,5 1,75	59,5 2,34	119,5 4,70	47,8 105,29	HCS-31-SFL-16-B-W3
31	1 1/4"	-20	1 1/2"	-24	26,0 1,02	32,5 1,28	60,3 2,37	50,5 1,99	110,5 4,35	55,1 121,50	HCS-31-SFL-24-B-W3
38	1 1/2"	-24	1 1/2"	-24	31,0 1,22	38,9 1,53	60,3 2,37	59,5 2,34	127,0 5,00	64,6 142,44	HCS-38-SFL-24-M-W3
38	1 1/2"	-24	1 1/4"	-20	31,0 1,22	38,9 1,53	71,4 2,81	64,5 2,54	132,0 5,20	65,40 144,21	HCS-38-SFL-20-B-W3
38	1 1/2"	-24	2"	-32	31,0 1,22	38,9 1,53	71,4 2,81	51,5 2,03	119,0 4,69	83,20 183,46	HCS-38-SFL-32-B-W3
51	2"	-32	2"	-32	40,0 1,57	51,6 2,03	71,4 2,81	72,0 2,83	147,0 5,79	127,85 281,91	HCS-51-SFL-32-M-W3
51	2"	-32	1 1/2"	-24	40,0 1,57	51,6 2,03	60,3 2,37	69,5 2,74	144,5 5,69	120,30 265,26	HCS-51-SFL-24-B-W3

### Related Products and Accessories



Swage Ferrules

Pages 14-21



45° Version



90° Version

Page 59

Page 60



ECOVOS VA Version

Page 121



Mobile Interlocking Protection

Page 88



MULTIVOS Version

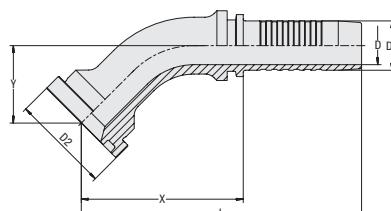
Page 153



**Connection Type** SAE Flange Adaptor  
**Sealing Type** O-Ring Face Seal  
 (O-Ring not included in delivery.)  
**Standard** SAE J 518, ISO 6162-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
 (nominal sizes DN 16 to DN 31)



### 45° Elbow Insert with SAE Flange Adaptor Type SFL 45° (3000 PSI Series)



A

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
12	1/2"	-08	1/2"	-08	9,5	13,0	30,2	50,0	85,5	20,5	10,6	HCS-12-SFL-08-045-M-W3
					.37	.51	1.19	1.97	3.37	.81	23,26	
12	1/2"	-08	3/4"	-12	9,5	13,0	38,1	55,0	90,5	26,0	15,7	HCS-12-SFL-12-045-M-W3
					.37	.51	1.50	2.17	3.56	1.02	34,62	
16	5/8"	-10	3/4"	-12	12,6	16,0	38,1	60,5	99,0	28,5	18,5	HCS-16-SFL-12-045-M-W3
					.50	.63	1.50	2.38	3.90	1.12	40,79	
16	5/8"	-10	1/2"	-08	12,6	16,0	30,2	63,0	101,5	24,5	16,4	HCS-16-SFL-08-045-B-W3
					.50	.63	1.19	2.48	4.00	.96	36,05	
16	5/8"	-10	1"	-16	12,6	16,0	44,5	69,5	108,0	27,0	30,6	HCS-16-SFL-16-045-B-W3
					.50	.63	1.75	2.74	4.25	1.06	67,47	
19	3/4"	-12	3/4"	-12	14,8	19,1	38,1	62,5	108,5	30,0	22,3	HCS-19-SFL-12-045-M-W3
					.58	.75	1.50	2.46	4.27	1.18	49,17	
19	3/4"	-12	1"	-16	14,8	19,1	44,5	66,5	112,5	29,0	28,8	HCS-19-SFL-16-045-M-W3
					.58	.75	1.75	2.62	4.43	1.14	63,50	
19	3/4"	-12	1 1/4"	-20	14,8	19,1	50,8	72,5	118,5	29,5	35,3	HCS-19-SFL-20-045-B-W3
					.58	.75	2.00	2.85	4.67	1.16	77,73	
25	1"	-16	1"	-16	20,0	25,9	44,5	82,5	137,5	35,0	40,7	HCS-25-SFL-16-045-M-W3
					.79	1.02	1.75	3.25	5.41	1.38	89,74	
25	1"	-16	1 1/4"	-20	20,0	25,9	50,8	92,5	147,5	37,5	48,5	HCS-25-SFL-20-045-M-W3
					.79	1.02	2.00	3.64	5.81	1.48	106,94	
25	1"	-16	3/4"	-12	20,0	25,9	38,1	71,0	126,0	27,0	35,5	HCS-25-SFL-12-045-B-W3
					.79	1.02	1.50	2.80	4.96	1.06	78,28	
25	1"	-16	1 1/2"	-24	20,0	25,9	60,3	79,5	135,0	31,5	58,1	HCS-25-SFL-24-045-B-W3
					.79	1.02	2.37	3.13	5.31	1.24	128,11	
31	1 1/4"	-20	1 1/4"	-20	26,0	32,5	50,8	97,0	157,0	35,0	60,4	HCS-31-SFL-20-045-M-W3
					1.02	1.28	2.00	3.82	6.18	1.38	133,07	
31	1 1/4"	-20	1"	-16	26,0	32,5	44,5	81,5	141,5	30,5	55,6	HCS-31-SFL-16-045-B-W3
					1.02	1.28	1.75	3.21	5.57	1.20	122,60	
31	1 1/4"	-20	1 1/2"	-24	26,0	32,5	60,3	102,5	162,5	40,0	75,4	HCS-31-SFL-24-045-B-W3
					1.02	1.28	2.37	4.04	6.40	1.57	166,15	
38	1 1/2"	-24	1 1/2"	-24	31,0	38,9	60,3	127,5	195,0	44,0	105,5	HCS-38-SFL-24-045-M-W3
					1.22	1.53	2.37	5.02	7.68	1.73	232,52	
38	1 1/2"	-24	1 1/4"	-20	31,0	38,9	50,8	101,5	169,0	39,0	81,1	HCS-38-SFL-20-045-B-W3
					1.22	1.53	2.00	4.00	6.65	1.54	178,72	
38	1 1/2"	-24	2"	-32	31,0	38,9	71,4	113,0	180,5	44,5	110,75	HCS-38-SFL-32-045-B-W3
					1.22	1.53	2.81	4.45	7.11	1.75	244,20	
51	2"	-32	2"	-32	40,0	51,6	71,4	149,0	224,0	67,0	173,20	HCS-51-SFL-32-045-M-W3
					1.57	2.03	2.81	5.87	8.82	2.64	381,91	
51	2"	-32	1 1/2"	-24	40,0	51,6	60,3	116,0	191,5	44,0	142,50	HCS-51-SFL-24-045-B-W3
					1.57	2.03	2.37	4.57	7.54	1.73	314,21	

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 58



ECOVOS VA Version

Page 122



Mobile Interlocking Protection

Page 88



90° Version

Page 60



MULTIVOS Version

Page 154

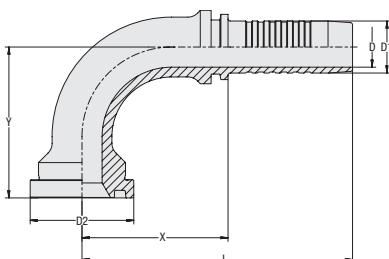

[www.stauff.com/4/en/#59](http://www.stauff.com/4/en/#59)

Catalogue 4 • Edition 02/2025

59

## 90° Elbow Insert with SAE Flange Adaptor Type SFL 90° (3000 PSI Series)

A



**Connection Type** SAE Flange Adaptor  
**Sealing Type** O-Ring Face Seal  
**Standard** (O-Ring not included in delivery.)  
 SAE J 518, ISO 6162-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
12	1/2"	-08	1/2"	-08	9,5	13,0	30,2	41,2	76,5	44,5	12,1	HCS-12-SFL-08-090-M-W3
					.37	.51	1.19	1.62	3.01	1.75	26,57	
12	1/2"	-08	3/4"	-12	9,5	13,0	38,1	40,7	76,0	50,5	17,1	HCS-12-SFL-12-090-M-W3
					.37	.51	1.50	1.60	2.99	1.99	37,60	
16	5/8"	-10	3/4"	-12	12,6	16,0	38,1	49,2	87,5	55,5	20,7	HCS-16-SFL-12-090-M-W3
					.50	.63	1.50	1.94	3.44	2.19	45,53	
16	5/8"	-10	1/2"	-08	12,6	16,0	30,2	54,5	93,0	50,0	18,7	HCS-16-SFL-08-090-B-W3
					.50	.63	1.19	2.15	3.66	1.97	41,12	
16	5/8"	-10	1"	-16	12,6	16,0	44,5	61,5	100,0	58,0	34,7	HCS-16-SFL-16-090-B-W3
					.50	.63	1.75	2.42	3.94	2.28	76,51	
19	3/4"	-12	3/4"	-12	14,8	19,1	38,1	53,7	99,5	55,5	25,8	HCS-19-SFL-12-090-M-W3
					.58	.75	1.50	2.11	3.92	2.19	56,78	
19	3/4"	-12	1"	-16	14,8	19,1	44,5	66,0	112,0	61,5	34,7	HCS-19-SFL-16-090-M-W3
					.58	.75	1.75	2.60	4.41	2.42	76,51	
19	3/4"	-12	1 1/4"	-20	14,8	19,1	50,8	62,0	108,0	61,0	39,4	HCS-19-SFL-20-090-B-W3
					.58	.75	2.00	2.44	4.25	2.40	86,77	
25	1"	-16	1"	-16	20,0	25,9	44,5	70,0	125,0	72,0	47,4	HCS-25-SFL-16-090-M-W3
					.79	1.02	1.75	2.76	4.92	2.83	104,41	
25	1"	-16	1 1/4"	-20	20,0	25,9	50,8	82,0	137,0	79,0	58,0	HCS-25-SFL-20-090-M-W3
					.79	1.02	2.00	3.23	5.39	3.11	127,89	
25	1"	-16	3/4"	-12	20,0	25,9	38,1	63,0	118,0	58,0	39,6	HCS-25-SFL-12-090-B-W3
					.79	1.02	1.50	2.48	4.65	2.28	87,32	
25	1"	-16	1 1/2"	-24	20,0	25,9	60,3	73,0	128,0	69,0	65,9	HCS-25-SFL-24-090-B-W3
					.79	1.02	2.37	2.87	5.04	2.72	145,20	
31	1 1/4"	-20	1 1/4"	-20	26,0	32,5	50,8	88,5	148,5	76,5	72,7	HCS-31-SFL-20-090-M-W3
					1.02	1.28	2.00	3.48	5.85	3.01	160,30	
31	1 1/4"	-20	1"	-16	26,0	32,5	44,5	75,5	135,5	68,0	63,4	HCS-31-SFL-16-090-B-W3
					1.02	1.28	1.75	2.97	5.33	2.68	139,69	
31	1 1/4"	-20	1 1/2"	-24	26	32,5	60,3	93,5	153,5	87,0	87,9	HCS-31-SFL-24-090-B-W3
					1.02	1.28	2.37	3.68	6.04	3.43	193,82	
38	1 1/2"	-24	1 1/2"	-24	31	38,9	60,3	116,0	178,5	110,0	130,8	HCS-38-SFL-24-090-M-W3
					1.22	1.53	2.37	4.57	7.03	4.33	288,41	
38	1 1/2"	-24	1 1/4"	-20	31	38,9	50,8	93	161	86	93,6	HCS-38-SFL-20-090-B-W3
					1.22	1.53	2.00	3.66	6.34	3.39	206,39	
38	1 1/2"	-24	2"	-32	31	38,9	71,4	103,5	171	98	127,35	HCS-38-SFL-32-090-B-W3
					1.22	1.53	2.81	4.07	6.73	3.86	280,81	
51	2"	-32	2"	-32	40	51,6	71,4	127,5	200	140	205,8	HCS-51-SFL-32-090-M-W3
					1.57	2.03	2.81	5.02	7.87	5.51	453,79	
51	2"	-32	1 1/2"	-24	40	51,6	60,3	107,5	182,5	97	159,1	HCS-51-SFL-24-090-B-W3
					1.57	2.03	2.37	4.23	7.19	3.82	350,82	

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 58



ECOVOS VA Version

Page 123



Mobile Interlocking Protection

Page 88



45° Version

Page 59



MULTIVOS Version

Page 155

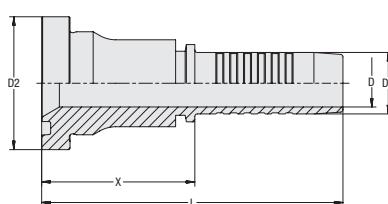


Straight Insert with SAE Flange Adaptor  
 Type SFS (6000 PSI Series)

**Connection Type** SAE Flange Adaptor  
**Sealing Type** O-Ring Face Seal  
 (O-Ring not included in delivery.)  
**Standard** SAE J 518, ISO 6162-2

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
 (nominal sizes DN 16 to DN 31)



A

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L		
12	1/2"	-08	1/2"	-08	9,5	13,0	31,8	45,5	81,0	11,3	HCS-12-SFS-08-M-W3
					.37	.51	1,25	1,79	3,19	24,92	
12	1/2"	-08	3/4"	-12	9,5	13,0	41,3	49,0	84,5	18,9	HCS-12-SFS-12-M-W3
					.37	.51	1,63	1,93	3,33	41,67	
16	5/8"	-10	1/2"	-08	12,6	16,0	31,8	51,5	90,0	13,4	HCS-16-SFS-08-M-W3
					.50	.63	1,25	2,03	3,54	29,55	
16	5/8"	-10	3/4"	-12	12,6	16,0	41,3	45,5	84,0	20,9	HCS-16-SFS-12-M-W3
					.50	.63	1,63	1,79	3,31	46,08	
16	5/8"	-10	1"	-16	12,6	16,0	47,6	46,5	85,0	25,9	HCS-16-SFS-16-M-W3
					.50	.63	1,87	1,83	3,35	57,11	
19	3/4"	-12	3/4"	-12	14,8	19,1	41,3	47,5	93,5	23,7	HCS-19-SFS-12-M-W3
					.58	.75	1,63	1,87	3,68	52,26	
19	3/4"	-12	1/2"	-08	14,8	19,1	31,8	55,0	101,0	18,4	HCS-19-SFS-08-B-W3
					.58	.75	1,25	2,17	3,98	40,57	
19	3/4"	-12	1"	-16	14,8	19,1	47,6	50,0	96,0	32,8	HCS-19-SFS-16-M-W3
					.58	.75	1,87	1,97	3,78	72,32	
19	3/4"	-12	1 1/4"	-20	14,8	19,1	54,0	65,0	111,0	43,2	HCS-19-SFS-20-B-W3
					.58	.75	2,13	2,56	4,37	95,26	
25	1"	-16	1"	-16	20,0	25,9	47,6	47,8	103,0	35,1	HCS-25-SFS-16-M-W3
					.79	1,02	1,87	1,88	4,06	77,40	
25	1"	-16	3/4"	-12	20,0	25,9	41,3	60,0	115,0	35,0	HCS-25-SFS-12-B-W3
					.79	1,02	1,63	2,36	4,53	77,18	
25	1"	-16	1 1/4"	-20	20,0	25,9	54,0	60,5	116,0	49,6	HCS-25-SFS-20-M-W3
					.79	1,02	2,13	2,38	4,57	109,37	
25	1"	-16	1 1/2"	-24	20,0	25,9	63,5	73,0	128,0	73,6	HCS-25-SFS-24-B-W3
					.79	1,02	2,50	2,87	5,04	162,29	
31	1 1/4"	-20	1 1/4"	-20	26,0	32,5	54,0	72,5	132,5	54,9	HCS-31-SFS-20-M-W3
					1,02	1,28	2,13	2,85	5,22	121,05	
31	1 1/4"	-20	1"	-16	26,0	32,5	47,6	64,5	124,5	54,4	HCS-31-SFS-16-B-W3
					1,02	1,28	1,87	2,54	4,90	119,95	
31	1 1/4"	-20	1 1/2"	-24	26,0	32,5	63,5	78,5	138,5	81,0	HCS-31-SFS-24-B-W3
					1,02	1,28	2,50	3,09	5,45	178,61	
38	1 1/2"	-24	1 1/2"	-24	31,0	38,9	63,5	72,5	140,0	83,8	HCS-38-SFS-24-M-W3
					1,22	1,53	2,50	2,85	5,51	184,78	
38	1 1/2"	-24	1 1/4"	-20	31,0	38,9	54,0	73,5	141,0	74,4	HCS-38-SFS-20-B-W3
					1,22	1,53	2,13	2,89	5,55	164,05	
38	1 1/2"	-24	2"	-32	31,0	38,9	79,4	71,5	139,0	138,8	HCS-38-SFS-32-B-W3
					1,22	1,53	3,13	2,81	5,47	306,05	
51	2"	-32	2"	-32	40,0	51,6	79,4	75,0	150,0	159,7	HCS-51-SFS-32-M-W3
					1,57	2,03	3,13	2,95	5,91	352,14	

## Related Products and Accessories



Swage Ferrules

Pages 14-21



45° Version

Page 62



ECOVOS VA Version

Page 124



Mobile Interlocking Protection

Page 88



MULTIVIOS Version

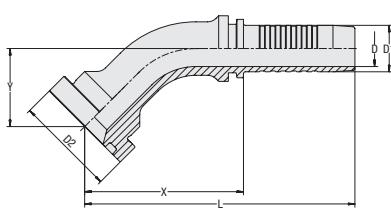
Page 156


[www.stauff.com/4/en/#61](http://www.stauff.com/4/en/#61)

Catalogue 4 • Edition 02/2025

## 45° Elbow Insert with SAE Flange Adaptor Type SFS 45° (6000 PSI Series)

A



**Connection Type** SAE Flange Adaptor  
**Sealing Type** O-Ring Face Seal  
**Standard** (O-Ring not included in delivery.)  
 SAE J 518, ISO 6162-2

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
12	1/2"	-08	1/2"	-08	9,5 .37	13,0 .51	31,8 1,25	45,5 1,79	81,0 3,19	23,0 .91	11,5 25,36	HCS-12-SFS-08-045-M-W3
12	1/2"	-08	3/4"	-12	9,5 .37	13,0 .51	41,3 1,63	55,0 2,17	90,5 3,56	27,0 1,06	18,0 39,69	HCS-12-SFS-12-045-M-W3
16	5/8"	-10	1/2"	-08	12,6 .50	16,0 .63	31,8 1,25	60,5 2,38	99,0 3,90	26,0 1,02	14,4 31,75	HCS-16-SFS-08-045-M-W3
16	5/8"	-10	3/4"	-12	12,6 .50	16,0 .63	41,3 1,63	60,5 2,38	99,0 3,90	28,0 1,10	20,3 44,76	HCS-16-SFS-12-045-M-W3
16	5/8"	-10	1"	-16	12,6 .50	16,0 .63	47,6 1,87	67,5 2,66	106,0 4,17	29,0 1,14	31,9 70,34	HCS-16-SFS-16-045-B-W3
19	3/4"	-12	1/2"	-08	14,8 .58	19,1 .75	31,8 1,25	63,5 2,50	109,5 4,31	24,5 .96	20,3 44,76	HCS-19-SFS-08-045-B-W3
19	3/4"	-12	3/4"	-12	14,8 .58	19,1 .75	41,3 1,63	65,0 2,56	111,0 4,37	32,0 1,26	25,8 56,89	HCS-19-SFS-12-045-M-W3
19	3/4"	-12	1"	-16	14,8 .58	19,1 .75	47,6 1,87	64,2 2,53	114,0 4,49	30,5 1,20	32,3 71,22	HCS-19-SFS-16-045-M-W3
19	3/4"	-12	1 1/4"	-20	14,8 .58	19,1 .75	54,0 2,13	76,5 3,01	122,5 4,82	33,5 1,32	47,1 103,86	HCS-19-SFS-20-045-B-W3
25	1"	-16	3/4"	-12	20,0 .79	25,9 1,02	41,3 1,63	73,0 2,87	128,5 5,06	29,5 1,16	38,8 85,55	HCS-25-SFS-12-045-B-W3
25	1"	-16	1"	-16	20,0 .79	25,9 1,02	47,6 1,87	83,5 3,29	138,5 5,45	36,0 1,42	43,7 96,36	HCS-25-SFS-16-045-M-W3
25	1"	-16	1 1/4"	-20	20,0 .79	25,9 1,02	54,0 2,13	97,0 3,82	152,0 5,98	41,0 1,61	58,2 128,33	HCS-25-SFS-20-045-M-W3
25	1"	-16	1 1/2"	-24	20,0 .79	25,9 1,02	63,5 2,50	90,5 3,56	145,5 5,73	42,0 1,65	81,5 179,71	HCS-25-SFS-24-045-B-W3
31	1 1/4"	-20	1"	-16	26,0 1,02	32,5 1,28	47,6 2,13	85,5 4,00	145,5 6,34	34,5 1,57	62,3 149,50	HCS-31-SFS-16-045-B-W3
31	1 1/4"	-20	1 1/4"	-20	26,0 1,02	32,5 1,28	54,0 2,50	101,5 4,39	161,0 6,75	40,0 1,93	67,8 213,22	HCS-31-SFS-20-045-M-W3
31	1 1/4"	-20	1 1/2"	-24	26,0 1,02	32,5 1,28	63,5 2,50	111,5 4,39	171,5 6,75	49,0 1,93	96,7 213,22	HCS-31-SFS-24-045-B-W3
38	1 1/2"	-24	1 1/4"	-20	31,0 1,22	38,9 1,53	54,0 2,13	108,0 4,25	175,5 6,91	45,5 1,79	90,0 198,45	HCS-38-SFS-20-045-B-W3
38	1 1/2"	-24	1 1/2"	-24	31,0 1,22	38,9 1,53	63,5 2,50	119,5 4,70	187,0 7,36	53,5 2,11	113,9 251,15	HCS-38-SFS-24-045-M-W3
38	1 1/2"	-24	2"	-32	31,0 1,22	38,9 1,53	79,4 3,13	127,0 5,00	195,0 7,68	59,0 2,32	166,4 366,91	HCS-38-SFS-32-045-B-W3
51	2"	-32	2"	-32	40,0 1,57	51,6 2,03	79,4 3,13	150,0 5,91	223,5 8,80	65,5 2,58	207,7 457,98	HCS-51-SFS-32-045-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 61



ECOVOS VA Version

Page 125



Mobile Interlocking Protection

Page 88



90° Version

Page 63



MULTIVOS Version

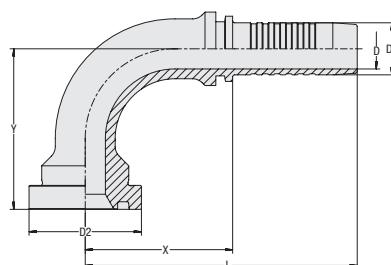
Page 157



**Connection Type** SAE Flange Adaptor  
**Sealing Type** O-Ring Face Seal  
 (O-Ring not included in delivery.)  
**Standard** SAE J 518, ISO 6162-2

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
 (nominal sizes DN 16 to DN 31)



### 90° Elbow Insert with SAE Flange Adaptor Type SFS 90° (6000 PSI Series)

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
12	1/2"	-08	1/2"	-08	9,5 .37	13,0 .51	31,8 1,25	39,0 1,54	74,5 2,93	46,5 1,83	13,0 28,67	HCS-12-SFS-08-090-M-W3
12	1/2"	-08	3/4"	-12	9,5 .37	13,0 .51	41,3 1,63	43,2 1,70	78,5 3,09	50,0 1,97	20,8 45,86	HCS-12-SFS-12-090-M-W3
16	5/8"	-10	1/2"	-08	12,6 .50	16,0 .63	31,8 1,25	52,0 2,05	90,5 3,56	52,5 2,07	16,7 36,82	HCS-16-SFS-08-090-M-W3
16	5/8"	-10	3/4"	-12	12,6 .50	16,0 .63	41,3 1,63	47,5 1,87	86,0 3,39	57,0 2,24	23,2 51,16	HCS-16-SFS-12-090-M-W3
16	5/8"	-10	1"	-16	12,6 .50	16,0 .63	47,6 1,87	54,5 2,15	93,0 3,66	56,0 2,20	34,3 75,63	HCS-16-SFS-16-090-B-W3
19	3/4"	-12	1/2"	-08	14,8 .58	19,1 .75	31,8 1,25	55,0 2,17	101,0 3,98	50,0 1,97	22,6 49,83	HCS-19-SFS-08-090-B-W3
19	3/4"	-12	3/4"	-12	14,8 .58	19,1 .75	41,3 1,63	54,0 2,13	100,0 3,94	59,0 2,32	29,3 64,61	HCS-19-SFS-12-090-M-W3
19	3/4"	-12	1"	-16	14,8 .58	19,1 .75	47,6 1,87	61,5 2,42	107,5 4,23	68,0 2,68	38,2 84,23	HCS-19-SFS-16-090-M-W3
19	3/4"	-12	1 1/4"	-20	14,8 .58	19,1 .75	54,0 2,13	62,0 2,44	108,0 4,25	67,0 2,64	51,2 112,90	HCS-19-SFS-20-090-B-W3
25	1"	-16	3/4"	-12	20,0 .79	25,9 1,02	41,3 1,63	63,0 2,48	118,0 4,65	61,0 2,40	43,0 94,82	HCS-25-SFS-12-090-B-W3
25	1"	-16	1"	-16	20,0 .79	25,9 1,02	47,6 1,87	70,5 2,78	125,5 4,94	73,0 2,87	47,4 104,52	HCS-25-SFS-16-090-M-W3
25	1"	-16	1 1/4"	-20	20,0 .79	25,9 1,02	54,0 2,13	81,0 3,19	136,0 5,35	80,5 3,17	65,6 144,65	HCS-25-SFS-20-090-M-W3
25	1"	-16	1 1/2"	-24	20,0 .79	25,9 1,02	63,5 2,50	73,0 2,87	128,0 5,04	84,0 3,31	89,3 196,91	HCS-25-SFS-24-090-B-W3
31	1 1/4"	-20	1"	-16	26,0 1,02	32,5 1,28	47,6 2,13	75,5 3,48	135,5 5,85	73,0 3,31	70,0 175,30	HCS-31-SFS-16-090-B-W3
31	1 1/4"	-20	1 1/4"	-20	26,0 1,02	32,5 1,28	54,0 2,13	88,5 3,48	148,5 5,85	84,0 3,31	79,5 175,30	HCS-31-SFS-20-090-M-W3
31	1 1/4"	-20	1 1/2"	-24	26,0 1,02	32,5 1,28	63,5 2,50	93,5 3,68	153,5 6,04	100,0 3,94	109,2 240,79	HCS-31-SFS-24-090-B-W3
38	1 1/2"	-24	1 1/4"	-20	31,0 1,22	39,9 1,57	54,0 2,13	93,5 3,68	161,0 6,34	95,0 3,74	102,6 226,23	HCS-38-SFS-20-090-B-W3
38	1 1/2"	-24	1 1/2"	-24	31,0 1,22	38,9 1,53	63,5 2,50	100,5 3,96	168,0 6,61	109,5 4,31	135,6 299,00	HCS-38-SFS-24-090-M-W3
38	1 1/2"	-24	2"	-32	31,0 1,22	38,9 1,53	79,4 3,13	103,5 4,07	171,0 6,73	118,0 4,65	183,0 403,52	HCS-38-SFS-32-090-B-W3
51	2"	-32	2"	-32	40,0 1,57	51,6 2,03	79,4 3,13	126,0 4,96	201,0 7,91	137,5 5,41	240,4 530,08	HCS-51-SFS-32-090-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 61



ECOVOS VA Version

Page 126



Mobile Interlocking Protection

Page 88



45° Version

Page 62



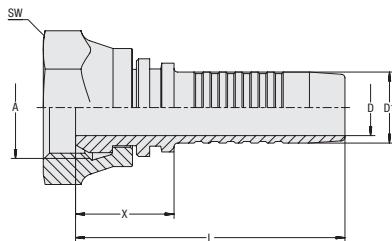
MULTIVOS Version

Page 158



## Straight Insert with Female BSPP Thread and 60° Taper Type DKR

A



**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Taper  
**Standard** ISO 8434-6, BS 5200

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection (nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
05	1/8"	-03	G 1/4"	-04	2,9	5,1	24,0	49,0	19	3,6	HCS-05-DKR-04-S-M-W3
					.11	.20	.94	1.93	.75	7.94	
06	1/4"	-04	G 1/4"	-04	3,9	6,7	22,5	52,5	19	4,0	HCS-06-DKR-04-S-M-W3
					.15	.26	.89	2.07	.75	8.82	
06	1/4"	-04	G 1/8"	-03	3,9	6,7	15,5	46,0	17	2,6	HCS-06-DKR-03-C-M-W3
					.15	.26	.61	1.81	.67	5.73	
06	1/4"	-04	G 3/8"	-06	3,9	6,7	25,5	56,0	22	5,4	HCS-06-DKR-06-S-M-W3
					.15	.26	1.00	2.20	.87	11.91	
08	5/16"	-05	G 1/4"	-04	5,4	8,2	18,0	48,0	19	3,5	HCS-08-DKR-04-C-M-W3
					.21	.32	.71	1.89	.75	7.72	
08	5/16"	-05	G 3/8"	-06	5,4	8,2	26,5	57,0	22	5,7	HCS-08-DKR-06-S-M-W3
					.21	.32	1.04	2.24	.87	12.57	
10	3/8"	-06	G 3/8"	-06	6,5	9,9	23,5	57,0	22	6,2	HCS-10-DKR-06-S-M-W3
					.26	.39	.93	2.24	.87	13.56	
10	3/8"	-06	G 1/4"	-04	6,5	9,9	20,0	53,5	19	4,3	HCS-10-DKR-04-C-M-W3
					.26	.39	.79	2.11	.75	9.37	
10	3/8"	-06	G 1/2"	-08	6,5	9,9	22,0	55,5	27	8,2	HCS-10-DKR-08-C-M-W3
					.26	.39	.87	2.19	1.06	18.08	
12	1/2"	-08	G 1/2"	-08	9,5	13,0	27,0	62,5	27	10,2	HCS-12-DKR-08-S-M-W3
					.37	.51	1.06	2.46	1.06	22.38	
12	1/2"	-08	G 3/8"	-06	9,5	13,0	21,0	56,5	22	6,4	HCS-12-DKR-06-C-M-W3
					.37	.51	.83	2.22	.87	14.00	
12	1/2"	-08	G 5/8"	-10	9,5	13,0	26,0	61,5	30	12,4	HCS-12-DKR-10-C-M-W3
					.37	.51	1.02	2.42	1.18	27.23	
12	1/2"	-08	G 3/4"	-12	9,5	13,0	30,0	65,5	32	14,2	HCS-12-DKR-12-C-M-W3
					.37	.51	1.18	2.58	1.26	31.20	
16	5/8"	-10	G 5/8"	-10	12,6	16,0	22,0	60,5	30	10,5	HCS-16-DKR-10-C-M-W3
					.50	.63	.87	2.38	1.18	23.15	
16	5/8"	-10	G 1/2"	-08	12,6	16,0	23,0	61,5	27	10,2	HCS-16-DKR-08-C-M-W3
					.50	.63	.91	2.42	1.06	22.38	
16	5/8"	-10	G 3/4"	-12	12,6	16,0	24,0	62,5	32	13,1	HCS-16-DKR-12-C-M-W3
					.50	.63	.94	2.46	1.26	28.89	
19	3/4"	-12	G 3/4"	-12	14,8	19,1	24,5	70,5	32	14,5	HCS-19-DKR-12-C-M-W3
					.58	.75	.96	2.78	1.26	31.86	
19	3/4"	-12	G 1"	-16	14,8	19,1	29,0	75,0	41	27,6	HCS-19-DKR-16-C-M-W3
					.58	.75	1.14	2.95	1.61	60.86	
25	1"	-16	G 1"	-16	20,0	25,9	25,0	80,5	41	22,5	HCS-25-DKR-16-C-M-W3
					.79	1.02	.98	3.17	1.61	49.61	
25	1"	-16	G 1 1/4"	-20	20,0	25,9	31,5	87,0	50	42,2	HCS-25-DKR-20-W-M-W3
					.79	1.02	1.24	3.43	1.97	92.94	
31	1 1/4"	-20	G 1 1/4"	-20	26,0	32,5	32,0	92,0	50	48,7	HCS-31-DKR-20-W-M-W3
					1.02	1.28	1.26	3.62	1.97	107.38	
38	1 1/2"	-24	G 1 1/2"	-24	31,0	38,9	33,5	101,0	55	65,0	HCS-38-DKR-24-W-M-W3
					1.22	1.53	1.32	3.98	2.17	143.21	
51	2"	-32	G 2"	-32	40,0	51,6	31,0	106,0	70	118,7	HCS-51-DKR-32-W-M-W3
					1.57	2.03	1.22	4.17	2.76	261.62	

### Related Products and Accessories



Swage Ferrules

Pages 14-21



45° Version

Page 65



ECOVOS VA Version

Page 127



Mobile Interlocking Protection

Page 88



Page 66



MULTIVOS Version

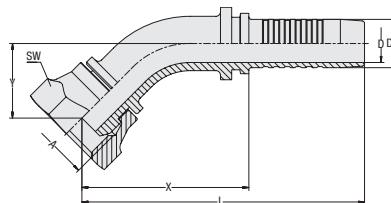
Page 162



**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Taper  
**Standard** ISO 8434-6, BS 5200

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
 (nominal sizes DN 16 to DN 31)



A

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
05	1/8"	-03	G 1/4"	-04	2,9 .11	5,1 .20	33,0 1,30	57,5 2,26	13,5 .53	19 .75	3,9 8,60	HCS-05-DKR-04-045-C-M-W3
06	1/4"	-04	G 1/4"	-04	3,9 .15	6,7 .26	36,0 1,42	66,0 2,60	15,5 .61	19 .75	4,3 9,48	HCS-06-DKR-04-045-C-M-W3
06	1/4"	-04	G 3/8"	-06	3,9 .15	6,7 .26	37,5 1,48	67,5 2,66	16,0 .63	22 .87	6,4 14,11	HCS-06-DKR-06-045-C-M-W3
08	5/16"	-05	G 3/8"	-06	5,4 .21	8,2 .32	38,0 1,50	68,0 2,68	16,0 .63	22 .87	6,4 14,00	HCS-08-DKR-06-045-C-M-W3
10	3/8"	-06	G 3/8"	-06	6,5 .26	9,9 .39	41,0 1,61	74,5 2,93	18,0 .71	22 .87	7,2 15,88	HCS-10-DKR-06-045-C-M-W3
10	3/8"	-06	G 1/2"	-08	6,5 .26	9,9 .39	40,5 1,59	74,0 2,91	19,5 .77	27 1,06	10,5 23,15	HCS-10-DKR-08-045-C-M-W3
12	1/2"	-08	G 3/8"	-06	9,5 .37	13,0 .51	53,5 2,11	89,0 3,50	23,5 .93	22 .87	10,1 22,27	HCS-12-DKR-06-045-C-M-W3
12	1/2"	-08	G 1/2"	-08	9,5 .37	13,0 .51	50,5 1,99	85,5 3,37	20,0 .79	27 1,06	12,2 26,79	HCS-12-DKR-08-045-C-M-W3
12	1/2"	-08	G 5/8"	-10	9,5 .37	13,0 .51	45,5 1,79	81,0 3,19	19,5 .77	30 1,18	14,4 31,64	HCS-12-DKR-10-045-C-M-W3
12	1/2"	-08	G 3/4"	-12	9,5 .37	13,0 .51	46,0 1,81	81,5 3,21	23,5 .93	32 1,26	16,3 35,83	HCS-12-DKR-12-045-C-M-W3
16	5/8"	-10	G 5/8"	-10	12,6 .50	16,0 .63	55,5 2,19	93,5 3,68	24,5 .96	30 1,18	15,6 34,40	HCS-16-DKR-10-045-C-M-W3
16	5/8"	-10	G 3/4"	-12	12,6 .50	16,0 .63	55,5 2,19	94,0 3,70	25,0 .98	32 1,26	18,7 41,12	HCS-16-DKR-12-045-C-M-W3
19	3/4"	-12	G 3/4"	-12	14,8 .58	19,1 .75	63,5 2,50	109,5 4,31	31,0 1,22	32 1,26	24,8 54,57	HCS-19-DKR-12-045-C-M-W3
19	3/4"	-12	G 1"	-16	14,8 .58	19,1 .75	63,0 2,48	109,0 4,29	30,0 1,18	41 1,61	35,4 78,06	HCS-19-DKR-16-045-C-M-W3
25	1"	-16	G 1"	-16	20,0 .79	25,9 1,02	89,0 3,50	144,0 5,67	38,0 1,50	38 1,50	48,0 105,73	HCS-25-DKR-16-045-C-M-W3
25	1"	-16	G 1 1/4"	-20	20,0 .79	25,9 1,02	89,5 3,52	144,5 5,69	40,0 1,57	50 1,97	59,1 130,32	HCS-25-DKR-20-045-W-M-W3
31	1 1/4"	-20	G 1 1/4"	-20	26,0 1,02	32,5 1,28	102,0 4,02	161,5 6,36	39,5 1,56	50 1,97	82,9 182,79	HCS-31-DKR-20-045-W-M-W3
38	1 1/2"	-24	G 1 1/2"	-24	31,0 1,22	38,9 1,53	129,5 5,10	197,0 7,76	50,0 1,97	55 2,17	122,4 269,89	HCS-38-DKR-24-045-W-M-W3
51	2"	-32	G 2"	-32	40,0 1,57	51,6 2,03	135,0 5,31	210,0 8,27	60,5 2,38	70 2,76	195,1 430,20	HCS-51-DKR-32-045-W-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 64



ECOVOS VA Version

Page 128



Mobile Interlocking Protection

Page 88



90° Version

Page 66



MULTIVOS Version

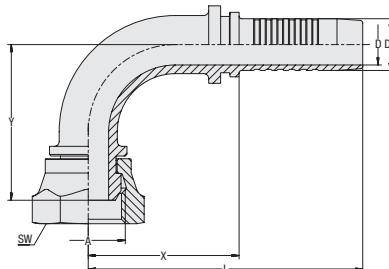
Page 163



www.stauff.com/4/en/#65

Catalogue 4 • Edition 02/2025

## 90° Elbow Insert with Female BSPP Thread and 60° Taper Type DKR 90°



**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Taper  
**Standard** ISO 8434-6, BS 5200

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection (nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
05	1/8"	-03	G 1/4"	-04	2,9 .11	5,1 .20	26,5 1,04	51,0 2,01	26,0 1,02	19 .75	4,1 9,04	HCS-03-DKR-04-090-C-M-W3
06	1/4"	-04	G 1/8"	-03	3,9 .15	6,7 .26	28,0 1,10	58,0 2,28	30,5 1,20	17 .67	4,1 9,04	HCS-06-DKR-03-090-C-M-W3
06	1/4"	-04	G 1/4"	-04	3,9 .15	6,7 .26	27,0 1,06	57,0 2,24	28,5 1,12	19 .75	4,6 10,14	HCS-06-DKR-04-090-C-M-W3
06	1/4"	-04	G 3/8"	-06	3,9 .15	6,7 .26	29,0 1,14	59,0 2,32	31,0 1,22	22 .87	6,9 15,10	HCS-06-DKR-06-090-C-M-W3
08	5/16"	-05	G 3/8"	-06	5,4 .21	8,2 .32	29,5 1,16	59,5 2,34	31,5 1,24	22 .87	6,8 14,99	HCS-08-DKR-06-090-C-M-W3
10	3/8"	-06	G 3/8"	-06	6,5 .26	9,9 .39	33,0 1,30	66,5 2,62	40,5 1,59	22 .87	8,3 18,30	HCS-10-DKR-06-090-C-M-W3
10	3/8"	-06	G 1/2"	-08	6,5 .26	9,9 .39	35,5 1,40	69,0 2,72	38,0 1,50	27 1,06	11,6 25,47	HCS-10-DKR-08-090-C-M-W3
12	1/2"	-08	G 3/8"	-06	9,5 .37	13,0 .51	42,0 1,65	77,5 3,05	42,5 1,67	22 .87	14,5 31,97	HCS-12-DKR-06-090-C-M-W3
12	1/2"	-08	G 1/2"	-08	9,5 .37	13,0 .51	41,0 1,61	76,5 3,01	42,0 1,65	27 1,06	13,7 30,21	HCS-12-DKR-08-090-C-M-W3
12	1/2"	-08	G 5/8"	-10	9,5 .37	13,0 .51	41,0 1,61	76,5 3,01	40,5 1,59	30 1,18	16,0 35,17	HCS-12-DKR-10-090-C-M-W3
12	1/2"	-08	G 3/4"	-12	9,5 .37	13,0 .51	38,0 1,50	73,5 2,89	45,5 1,79	32 1,26	17,9 39,36	HCS-12-DKR-12-090-C-M-W3
16	5/8"	-10	G 5/8"	-10	12,6 .50	16,0 .63	46,5 1,83	85,0 3,35	48,0 1,89	30 1,18	17,5 38,59	HCS-16-DKR-10-090-C-M-W3
16	5/8"	-10	G 3/4"	-12	12,6 .50	16,0 .63	45,0 1,77	84,0 3,31	54,0 2,13	32 1,26	20,2 44,54	HCS-16-DKR-12-090-C-M-W3
19	3/4"	-12	G 3/4"	-12	14,8 .58	19,1 .75	50,0 1,97	94,3 3,71	52,0 2,05	32 1,26	22,2 48,95	HCS-19-DKR-12-090-C-M-W3
19	3/4"	-12	G 1"	-16	14,8 .58	19,1 .75	54,0 2,13	100,0 3,94	56,0 2,20	41 1,61	39,1 86,22	HCS-19-DKR-16-090-C-M-W3
25	1"	-16	G 1"	-16	20,0 .79	25,9 1,02	75,5 2,97	130,5 5,14	73,5 2,89	41 1,61	58,1 128,11	HCS-25-DKR-16-090-C-M-W3
25	1"	-16	G 1 1/4"	-20	20,0 .79	25,9 1,02	76,0 2,99	131,0 5,16	79,5 3,13	50 1,97	67,2 148,18	HCS-25-DKR-20-090-W-M-W3
31	1 1/4"	-20	G 1 1/4"	-20	26,0 1,02	32,5 1,28	92,2 3,63	152,0 5,98	88,5 3,48	50 1,97	96,5 212,78	HCS-31-DKR-20-090-W-M-W3
38	1 1/2"	-24	G 1 1/2"	-24	31,0 1,22	38,9 1,53	117,0 4,61	184,5 7,26	105,5 4,15	55 2,17	146,3 322,48	HCS-38-DKR-24-090-W-M-W3
51	2"	-32	G 2"	-32	40,0 1,57	51,6 2,03	121,5 4,78	196,5 7,74	125,0 4,92	70 2,76	227,1 500,65	HCS-51-DKR-32-090-W-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 64



ECOVOS VA Version

Page 129



Mobile Interlocking Protection

Page 88



45° Version

Page 65



MULTIVOS Version

Page 164

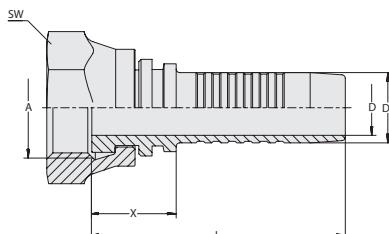


Straight Insert with Female BSPP Thread  
Type DKRF

**Connection Type** Female BSPP Nut Thread  
**Sealing Type** Flat-Sealing

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	G 1/4"	-04	3,9	6,7	14,0	44,2	19	2,9	HCS-06-DKRF-04-C-M-W3
					.15	.26	.55	1.74	.75	6.39	
08	5/16"	-05	G 3/8"	-06	5,4	8,2	19,3	49,5	22	4,8	HCS-08-DKRF-06-C-M-W3
					.21	.32	.76	1.95	.87	10.58	
08	5/16"	-05	G 1/2"	-08	5,4	8,2	20,9	51,1	27	7,5	HCS-08-DKRF-08-C-M-W3
					.21	.32	.82	2.01	1.06	16.54	
10	3/8"	-06	G 1/4"	-04	6,5	9,9	16,4	49,9	19	3,8	HCS-10-DKRF-04-C-M-W3
					.26	.39	.65	1.96	.75	8.38	
10	3/8"	-06	G 3/8"	-06	6,5	9,9	16,3	49,8	22	4,9	HCS-10-DKRF-06-C-M-W3
					.26	.39	.64	1.96	.87	10.80	
10	3/8"	-06	G 1/2"	-08	6,5	9,9	21,8	55,3	27	8,1	HCS-10-DKRF-08-S-M-W3
					.26	.39	.86	2.18	1.06	17.86	
12	1/2"	-08	G 3/8"	-06	9,5	13,0	19,4	54,9	22	5,8	HCS-12-DKRF-06-C-M-W3
					.37	.51	.76	2.16	.87	12.79	
12	1/2"	-08	G 1/2"	-08	9,5	13,0	18,6	54,1	27	8,2	HCS-12-DKRF-08-C-M-W3
					.37	.51	.73	2.13	1.06	18.08	
12	1/2"	-08	G 3/4"	-12	9,5	13,0	20,1	55,6	32	11,6	HCS-12-DKRF-12-C-M-W3
					.37	.51	.79	2.19	1.26	25.58	
16	5/8"	-10	G 3/4"	-12	12,6	16,0	20,2	58,7	32	11	HCS-16-DKRF-12-C-M-W3
					.50	.63	.80	2.31	1.26	24.26	
19	3/4"	-12	G 3/4"	-12	14,8	19,1	18,2	64,2	32	12,4	HCS-19-DKRF-12-C-M-W3
					.58	.75	.72	2.53	1.26	27.34	
19	3/4"	-12	G 1"	-16	14,8	19,1	25,3	71,3	41	22,5	HCS-19-DKRF-16-C-M-W3
					.58	.75	1.00	2.81	1.61	49.61	
25	1"	-16	G 1"	-16	20,0	25,9	23,6	78,8	41	30,2	HCS-25-DKRF-16-C-M-W3
					.79	1.02	.93	3.10	1.61	66.59	
31	1 1/4"	-20	G 1 1/4"	-20	26,0	32,5	23,4	83,4	50	39	HCS-31-DKRF-20-W-M-W3
					1.02	1.28	.92	3.28	1.97	86.00	

**Related Products and Accessories**


Swage Ferrules

Pages 14-21



90° Version

Page 68



ECOVOS VA Version

Page 130



Mobile Interlocking Protection

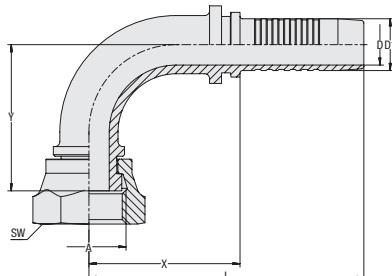
Page 88


[www.stauff.com/4/en/#67](http://www.stauff.com/4/en/#67)

Catalogue 4 • Edition 02/2025

## 90° Elbow Insert with Female BSPP Thread Type DKRF 90°

A



**Connection Type** Female BSPP Nut Thread  
**Sealing Type** Flat-Sealing

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca.	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	per 100	
06	1/4"	-04	G 1/4"	-04	3,9	6,7	32,8	63,0	35,2	19	4,5	HCS-06-DKRF-04-090-C-M-W3
					.15	.26	1.29	2.48	1.39	.75	9.92	
10	3/8"	-06	G 3/8"	-06	6,5	9,9	42,5	74,0	36,5	22	8,3	HCS-10-DKRF-06-090-C-M-W3
					.26	.39	1.67	2.91	1.44	.87	18.30	
12	1/2"	-08	G 1/2"	-08	9,5	13,0	48,0	83,5	41,0	27	13,3	HCS-12-DKRF-08-090-C-M-W3
					.37	.51	1.89	3.29	1.61	1.06	29.33	
12	1/2"	-08	G 3/4"	-12	9,5	13,0	48,0	83,5	41,0	32	17,9	HCS-12-DKRF-12-090-C-M-W3
					.37	.51	1.89	3.29	1.61	1.26	39.47	
16	5/8"	-10	G 3/4"	-12	12,6	16,0	45,0	83,5	51,1	32	20,2	HCS-16-DKRF-12-090-C-M-W3
					.50	.63	1.77	3.29	2.01	1.26	44.54	
19	3/4"	-12	G 3/4"	-12	14,8	19,1	60,6	106,6	54,0	32	24,0	HCS-19-DKRF-12-090-C-M-W3
					.58	.75	2.39	4.20	2.13	1.26	52.92	
25	1"	-16	G 1"	-16	20,0	25,9	61,4	116,6	70,3	41	45,5	HCS-25-DKRF-16-090-C-M-W3
					.79	1.02	2.42	4.59	2.77	1.61	100.33	
31	1 1/4"	-20	G 1 1/4"	-20	26,0	32,5	76,3	136,3	79,9	50	82,0	HCS-31-DKRF-20-090-W-M-W3
					1.02	1.28	3.00	5.37	3.15	1.97	180.81	

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 67



ECOVOS VA Version

Page 131



Mobile Interlocking Protection

Page 88



## Straight Insert with Female UN/UNF Thread and 74° Conical Bore Type DKJ

**Connection Type** Female UN/UNF Nut Thread

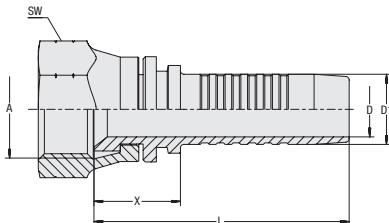
**Sealing Type** 74° Conical Bore

**Standard** ISO 8434-2

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	7/16"-20 UNF	-04	3,9 .15	6,7 .26	15,5 .61	45,5 1,79	14 .55	2,1 4,63	HCS-06-DKJ-04-C-M-W3
06	1/4"	-04	1/2"-20 UNF	-05	3,9 .15	6,7 .26	14,5 .57	41,0 1,61	17 .67	2,4 5,29	HCS-06-DKJ-05-C-M-W3
06	1/4"	-04	9/16"-18 UNF	-06	3,9 .15	6,7 .26	17,0 .67	47,0 1,85	19 .75	3,5 7,61	HCS-06-DKJ-06-C-M-W3
06	1/4"	-04	3/4"-16 UNF	-08	3,9 .15	6,7 .26	22,0 .87	52,0 2,05	24 .94	5,8 12,79	HCS-06-DKJ-08-C-M-W3
08	5/16"	-05	1/2"-20 UNF	-05	5,4 .21	8,2 .32	15,0 .59	45,0 1,77	17 .67	2,9 6,39	HCS-08-DKJ-05-C-M-W3
08	5/16"	-05	9/16"-18 UNF	-06	5,4 .21	8,2 .32	19,0 .75	49,0 1,93	19 .75	4,0 8,82	HCS-08-DKJ-06-C-M-W3
08	5/16"	-05	3/4"-16UNF	-08	5,4 .21	8,2 .32	16,0 .63	42,5 1,67	24 .94	5,1 11,25	HCS-08-DKJ-08-C-M-W3
10	3/8"	-06	9/16"-18 UNF	-06	6,5 .26	9,9 .39	17,0 .67	50,5 1,99	19 .75	4,1 9,04	HCS-10-DKJ-06-C-M-W3
10	3/8"	-06	1/2"-20 UNF	-05	6,5 .26	9,9 .39	17,0 .67	50,5 1,99	17 .67	3,5 7,72	HCS-10-DKJ-05-C-M-W3
10	3/8"	-06	3/4"-16 UNF	-08	6,5 .26	9,9 .39	17,0 .67	50,5 1,99	24 .94	5,9 12,90	HCS-10-DKJ-08-C-M-W3
10	3/8"	-06	7/8"-14 UNF	-10	6,5 .26	9,9 .39	19,0 .75	52,5 2,07	27 1,06	7,7 16,98	HCS-10-DKJ-10-C-M-W3
12	1/2"	-08	3/4"-16 UNF	-08	9,5 .37	13,0 .51	19,5 .77	55,0 2,17	22 .87	6,0 13,23	HCS-12-DKJ-08-C-M-W3
12	1/2"	-08	7/8"-14 UNF	-10	9,5 .37	13,0 .51	20,0 .79	55,5 2,19	27 1,06	7,4 16,32	HCS-12-DKJ-10-C-M-W3
12	1/2"	-08	1 1/16"-12 UN	-12	9,5 .37	13,0 .51	24,5 .96	60,0 2,36	32 1,26	12,7 28,00	HCS-12-DKJ-12-C-M-W3
16	5/8"	-10	7/8"-14 UNF	-10	12,6 .50	16,0 .63	19,5 .77	58,0 2,28	27 1,06	8,9 19,62	HCS-16-DKJ-10-C-M-W3
16	5/8"	-10	1 1/16"-12 UN	-12	12,6 .50	16,0 .63	23,0 .91	61,5 2,42	32 1,26	13,2 29,11	HCS-16-DKJ-12-C-M-W3
19	3/4"	-12	1 1/16"-12 UN	-12	14,8 .58	19,1 .75	22,6 .89	66,9 2,63	32 1,26	12,9 28,44	HCS-19-DKJ-12-C-M-W3
19	3/4"	-12	7/8"-14 UNF	-10	14,8 .58	19,1 .75	22,3 .88	66,6 2,62	27 1,06	13,5 29,77	HCS-19-DKJ-10-C-M-W3
19	3/4"	-12	1 5/16"-12 UN	-16	14,8 .58	19,1 .75	24,3 .96	68,6 2,70	41 1,61	20,0 44,10	HCS-19-DKJ-16-C-M-W3
25	1"	-16	1 5/16"-12 UN	-16	20,0 .79	25,9 1,02	24,8 .98	79,1 3,11	41 1,61	24,0 52,92	HCS-25-DKJ-16-C-M-W3
25	1"	-16	1 1/16"-12UN	-12	20,0 .79	25,9 1,02	25,5 1,00	80,5 3,17	32 1,26	21,3 46,97	HCS-25-DKJ-12-C-M-W3
25	1"	-16	1 5/8"-12UN	-20	20,0 .79	25,9 1,02	41,5 1,63	96,5 3,80	50 1,97	46,3 101,98	HCS-25-DKJ-20-W-M-W3
31	1 1/4"	-20	1 5/8"-12UN	-20	26,0 1,02	32,5 1,28	28,1 1,11	86,0 3,39	50 1,97	43,2 95,26	HCS-31-DKJ-20-W-M-W3
31	1 1/4"	-20	1 7/8"-12 UN	-24	26,0 1,02	32,5 1,28	47,5 1,87	107,5 4,23	60 2,36	77,6 171,11	HCS-31-DKJ-24-W-M-W3
38	1 1/2"	-24	1 7/8"-12 UN	-24	31,0 1,22	38,9 1,53	36,0 1,42	103,5 4,07	60 2,36	81,4 179,38	HCS-38-DKJ-24-W-M-W3
51	2"	-32	2 1/2"-12 UN	-32	40,0 1,57	51,6 2,03	43,5 1,71	118,5 4,67	75 2,95	153,7 338,80	HCS-51-DKJ-32-W-M-W3

### Related Products and Accessories



**Swage Ferrules**

Pages 14-21



**45° Version**

Page 70



**ECOVOS VA Version**

Page 132



**Mobile Interlocking Protection**

Page 88



**90° Version**

Page 71



**MULTIVOS Version**

Page 165



**POWERVOS Version**

Page 181

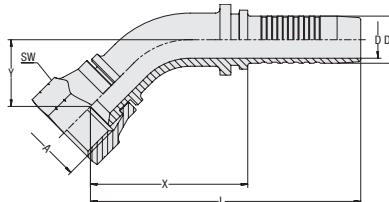


[www.stauff.com/4/en/#69](http://www.stauff.com/4/en/#69)

Catalogue 4 • Edition 02/2025

## 45° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore Type DKJ 45°

A



**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** 74° Conical Bore  
**Standard** ISO 8434-2

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection (nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
06	1/4"	-04	7/16"-20 UNF	-04	3,9	6,7	35,0	65,0	16,5	14	2,9
					.15	.26	1.38	2.56	.65	.55	6.28
06	1/4"	-04	1/2"-20 UNF	-05	3,9	6,7	33,5	63,5	14,0	19	2,1
					.15	.26	1.32	2.50	.55	.75	4.63
06	1/4"	-04	9/16"-18 UNF	-06	3,9	6,7	33,5	63,5	14,0	19	4,3
					.15	.26	1.32	2.50	.55	.75	9.48
08	5/16"	-05	1/2"-20 UNF	-05	5,4	8,2	38,5	68,5	16,5	17	4,4
					.21	.32	1.52	2.70	.65	.67	9.59
08	5/16"	-05	9/16"-18 UNF	-06	5,4	8,2	52,0	78,5	16,0	19	4,9
					.21	.32	2.05	3.09	.63	.75	10.80
10	3/8"	-06	9/16"-18 UNF	-06	6,5	9,9	40,0	73,5	16,5	19	6,2
					.26	.39	1.57	2.89	.65	.75	13.56
10	3/8"	-06	3/4"-16 UNF	-08	6,5	9,9	42,0	75,0	15,5	24	8,2
					.26	.39	1.65	2.95	.61	.94	17.97
10	3/8"	-06	7/8"-14 UNF	-10	6,5	9,9	39,5	73,0	17,5	27	9,9
					.26	.39	1.56	2.87	.69	1.06	21.72
12	1/2"	-08	3/4"-16 UNF	-08	9,5	13,0	45,0	80,5	21,5	22	9,2
					.37	.51	1.77	3.17	.85	.87	20.18
12	1/2"	-08	7/8"-14 UNF	-10	9,5	13,0	64,0	96,5	21,0	27	11,8
					.37	.51	2.52	3.80	.83	1.06	26.02
12	1/2"	-08	1 1/16"-12 UN	-12	9,5	13,0	47,0	82,5	21,5	32	15,3
					.37	.51	1.85	3.25	.85	1.26	33.63
16	5/8"	-10	7/8"-14 UNF	-10	12,6	16,0	53,5	91,5	22,5	27	13,6
					.50	.63	2.11	3.60	.89	1.06	29.99
16	5/8"	-10	1 1/16"-12 UN	-12	12,6	16,0	58,5	96,5	27,0	32	18,9
					.50	.63	2.30	3.80	1.06	1.26	41.56
19	3/4"	-12	1 1/16"-12 UN	-12	14,8	19,1	60,2	106,0	27,5	32	23,8
					.58	.75	2.37	4.17	1.08	1.26	52.37
19	3/4"	-12	1 5/16"-12 UN	-16	14,8	19,1	64,0	110,0	25,5	41	32,6
					.58	.75	2.52	4.33	1.00	1.66	71.88
25	1"	-16	1 5/16"-12 UN	-16	20,0	25,9	83,5	138,5	32,5	41	46,5
					.79	1.02	3.29	5.45	1.28	1.61	102.53
25	1"	-16	1 5/8"-12 UN	-20	20,0	25,9	90,0	144,5	35,0	50	60,5
					.79	1.02	3.54	5.69	1.38	1.97	133.40
31	1 1/4"	-20	1 5/8"-12 UN	-20	26,0	32,5	109,0	168,5	45,5	50	88,1
					1.02	1.28	4.29	6.63	1.79	1.97	194.15
31	1 1/4"	-20	1 7/8"-12 UN	-24	26,0	32,5	110,0	170,0	46,5	60	104,0
					1.02	1.28	4.33	6.69	1.83	2.36	229.32
38	1 1/2"	-24	1 7/8"-12 UN	-24	31,0	38,9	134,5	202,0	58,5	60	141,8
					1.22	1.53	5.30	7.95	2.30	2.36	312.67
51	2"	-32	2 1/2"-12 UN	-32	40,0	51,6	151,0	226,0	67,0	75	235,0
					1.57	2.03	5.94	8.90	2.64	2.95	518.18

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 69



ECOVOS VA Version

Page 133



Mobile Interlocking Protection

Page 88



90° Version

Page 71



MULTIVOS Version

Page 166

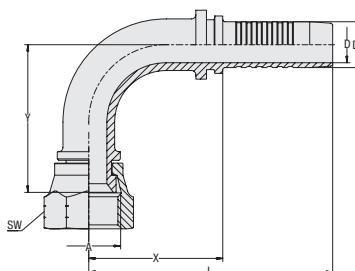


**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** 74° Conical Bore  
**Standard** ISO 8434-2

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
 (nominal sizes DN 16 to DN 31)

### 90° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore Type DKJ 90°



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
06	1/4"	-04	7/16"-20 UNF	-04	3,9	6,7	25,5	55,5	31,5	14	3,2
					.15	.26	1.00	2.19	1.24	.55	6.95
06	1/4"	-04	1/2"-20 UNF	-05	3,9	6,7	27,0	57,0	27,5	17	4,0
					.15	.26	1.06	2.24	1.08	.67	8.71
06	1/4"	-04	9/16"-18 UNF	-06	3,9	6,7	32,5	62,5	30,0	19	4,7
					.15	.26	1.28	2.46	1.18	.75	10.36
08	5/16"	-05	1/2"-20 UNF	-05	5,4	8,2	28,5	58,5	30,0	17	4,7
					.21	.32	1.12	2.30	1.18	.67	10.25
08	5/16"	-05	9/16"-18 UNF	-06	5,4	8,2	31,8	61,8	30,7	19	4,9
					.21	.32	1.25	2.43	1.21	.75	10.80
08	5/16"	-05	3/4"-16 UNF	-08	5,4	8,2	33,0	59,5	33,0	24	0,0
					.21	.32	1.30	2.34	1.30	.94	.00
10	3/8"	-06	9/16"-18 UNF	-06	6,5	9,9	35,0	69,0	36,5	19	7,3
					.26	.39	1.38	2.72	1.44	.75	16.10
10	3/8"	-06	3/4"-16 UNF	-08	6,5	9,9	37,0	70,0	33,0	24	9,2
					.26	.39	1.46	2.76	1.30	.94	20.18
10	3/8"	-06	7/8"-14 UNF	-10	6,5	9,9	38,5	72,0	38,5	27	11,2
					.26	.39	1.52	2.83	1.52	1.06	24.70
12	1/2"	-08	3/4"-16 UNF	-08	9,5	13,0	39,5	75,0	42,0	22	10,7
					.37	.51	1.56	2.95	1.65	.87	23.59
12	1/2"	-08	7/8"-14 UNF	-10	9,5	13,0	39,0	77,0	43,5	27	13,6
					.37	.51	1.54	3.03	1.71	1.06	29.99
12	1/2"	-08	1 1/16"-12 UN	-12	9,5	13,0	40,0	75,5	43,0	32	16,8
					.37	.51	1.57	2.97	1.69	1.26	37.04
16	5/8"	-10	7/8"-14 UNF	-10	12,6	16,0	46,5	85,0	51,5	27	16,2
					.50	.63	1.83	3.35	2.03	1.06	35.61
16	5/8"	-10	1 1/16"-12 UN	-12	12,6	16,0	45,0	83,5	48,5	32	20,3
					.50	.63	1.77	3.29	1.91	1.26	44.76
19	3/4"	-12	1 1/16"-12 UN	-12	14,8	19,1	54,0	100,0	54,5	32	28,1
					.58	.75	2.13	3.94	2.15	1.26	61.85
19	3/4"	-12	1 5/16"-12 UN	-16	14,8	19,1	54,0	100,0	55,0	41	36,3
					.58	.75	2.13	3.94	2.17	1.61	79.93
25	1"	-16	1 5/16"-12 UN	-16	20,0	25,9	72,0	126,3	67,0	41	43,0
					.79	1.02	2.83	4.97	2.64	1.61	94.82
25	1"	-16	1 5/8"-12 UN	-20	20,0	25,9	82,0	137,0	74,0	50	68,9
					.79	1.02	3.23	5.39	2.91	1.97	151.92
31	1 1/4"	-20	1 5/8"-12 UN	-20	26,0	32,5	91,5	151,5	99,0	50	102,7
					1.02	1.28	3.60	5.96	3.90	1.97	226.34
31	1 1 1/4"	-20	1 7/8"-12 UN	-24	26,0	32,5	91,0	151,0	93,0	60	115,7
					1.02	1.28	3.58	5.94	3.66	2.36	255.01
38	1 1/2"	-24	1 7/8"-12 UN	-24	31,0	38,9	116,5	184,0	110,0	60	163,4
					1.22	1.53	4.59	7.24	4.33	2.36	360.19
51	2"	-32	2 1/2"-12 UN	-32	40,0	51,6	122,0	197,0	140,0	75	261,0
					1.57	2.03	4.80	7.76	5.51	2.95	575.39

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 69



ECOVOS VA Version

Page 134



Mobile Interlocking Protection

Page 88



45° Version

Page 70



MULTIVOS Version

Page 167

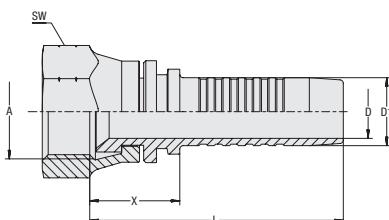


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Catalogue 4 • Edition 02/2025

## Straight Insert with Female BSPP Thread and 60° Conical Bore Type DKJG

A



**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Conical Bore  
**Standard** JIS 8363 (KOMATSU)

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection (nominal size DN 19 to DN 25)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	G 1/4"	-04	3,9	6,7	14,1	44,3	19	2,9	HCS-06-DKJG-04-M-W3-KOM
					.15	.26	.56	1.74	.75	6.39	
08	5/16"	-05	G 3/8"	-06	5,4	8,2	19,3	49,5	22	4,8	HCS-08-DKJG-06-M-W3-KOM
					.21	.32	.76	1.95	.87	10.58	
10	3/8"	-06	G 3/8"	-06	6,5	9,9	16,3	49,8	22	4,9	HCS-10-DKJG-06-M-W3-KOM
					.26	.39	.64	1.96	.87	10.80	
12	1/2"	-08	G 1/2"	-08	9,5	13,0	18,6	54,1	27	8,2	HCS-12-DKJG-08-M-W3-KOM
					.37	.51	.73	2.13	1.06	18.08	
19	3/4"	-12	G 3/4"	-12	14,8	19,1	18,7	64,7	32	12,4	HCS-19-DKJG-12-M-W3-KOM
					.58	.75	.74	2.55	1.26	27.34	
25	1"	-16	G 1"	-16	20,0	25,9	22,7	77,9	41	22,5	HCS-25-DKJG-16-M-W3-KOM
					.79	1.02	.89	3.07	1.61	49.61	

### Related Products and Accessories



Swage Ferrules

Pages 14-21



45° Version

Page 73



90° Version

Page 74



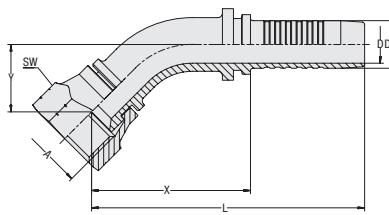
Mobile Interlocking Protection

Page 88



**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Conical Bore  
**Standard** JIS 8363 (KOMATSU)  
**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

### 45° Elbow Insert with Female BSPP Thread and 60° Conical Bore Type DKJG 45°



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
06	1/4"	-04	G 1/4"	-04	3,9	6,7	42,8	73,0	18,8	19	2,9
					.15	.26	1.69	2.87	.74	.75	6.39
08	5/16"	-05	G 3/8"	-06	5,4	8,2	44,3	73,7	14,0	22	5,6
					.21	.32	1.74	2.90	.55	.87	12.35
10	3/8"	-06	G 3/8"	-06	6,5	9,9	34,5	78,0	20,1	22	6,2
					.26	.39	1.36	3.07	.79	.87	13.67
12	1/2"	-08	G 1/2"	-08	9,5	13,0	45,9	81,4	19,5	27	11,6
					.37	.51	1.81	3.20	.77	1.06	25.58

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 72



90° Version

Page 74



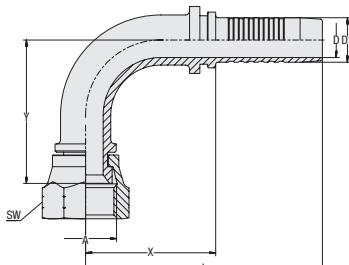
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Catalogue 4 • Edition 02/2025

73

## 90° Elbow Insert with Female BSPP Thread and 60° Conical Bore Type DKJG 90°

A



<b>Connection Type</b>	Female BSPP Nut Thread
<b>Sealing Type</b>	60° Conical Bore
<b>Standard</b>	JIS 8363 (KOMATSU)
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
06	1/4"	-04	G 1/4"	-04	3,9	6,7	32,8	63,0	35,5	19	4,3	HCS-06-DKJG-04-090-M-W3-KOM
					.15	.26	1.29	2.48	1.40	.75	9.48	
08	5/16"	-05	G 3/8"	-06	5,4	8,2	32,3	62,5	36,0	22	5,2	HCS-08-DKJG-06-090-M-W3-KOM
					.21	.32	1.27	2.46	1.42	.87	11.47	
10	3/8"	-06	G 3/8"	-06	6,5	9,9	36,0	69,5	40,9	22	7,3	HCS-10-DKJG-06-090-M-W3-KOM
					.26	.39	1.42	2.74	1.61	.87	16.10	
12	1/2"	-08	G 1/2"	-08	9,5	13,0	45,5	81,0	40,0	27	13,3	HCS-12-DKJG-08-090-M-W3-KOM
					.37	.51	1.79	3.19	1.57	1.06	29.33	

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 72



45° Version

Page 73

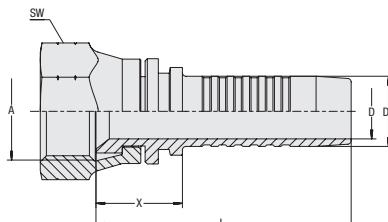


## Straight Insert with Female Metric Thread and 60° Conical Bore Type DKJM

**Connection Type** Female Metric Nut Thread  
**Sealing Type** 60° Conical Bore  
**Standard** JIS 8363 (KOMATSU)

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)



Hose Size			Connection Size	Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	D	D1	X	L	SW (Hex)		
06	1/4"	-04	M14x1,5	3,9	6,7	16,7	46,9	19	3,1	HCS-06-DKJM-M14-C-M-W3-KOM
				.15	.26	.66	1.85	.75	6.84	
06	1/4"	-04	M16x1,5	3,9	6,7	19,8	50,0	19	3,4	HCS-06-DKJM-M16-C-M-W3-KOM
				.15	.26	.78	1.97	.75	7.50	
10	3/8"	-06	M16x1,5	6,5	9,9	17,3	50,8	19	3,6	HCS-10-DKJM-M16-C-M-W3-KOM
				.26	.39	.68	2.00	.75	7.94	
10	3/8"	-06	M18x1,5	6,5	9,9	17,5	51,0	22	5,3	HCS-10-DKJM-M18-C-M-W3-KOM
				.26	.39	.69	2.01	.87	11.69	
10	3/8"	-06	M20x1,5	6,5	9,9	17,6	51,1	24	6,0	HCS-10-DKJM-M20-C-M-W3-KOM
				.26	.39	.69	2.01	.94	13.23	
12	1/2"	-08	M22x1,5	9,5	13,0	21,0	56,5	27	8,5	HCS-12-DKJM-M22-C-M-W3-KOM
				.37	.51	.83	2.22	1.06	18.74	
12	1/2"	-08	M24x1,5	9,5	13,0	24,2	59,7	30	11,2	HCS-12-DKJM-M24-C-M-W3-KOM
				.37	.51	.95	2.35	1.18	24.70	
16	5/8"	-10	M24x1,5	12,6	16,0	21,8	60,3	30	11,0	HCS-16-DKJM-M24-C-M-W3-KOM
				.50	.63	.86	2.37	1.18	24.26	
16	5/8"	-10	M28x1,5	12,6	16,0	23,0	61,5	36	16,0	HCS-16-DKJM-M28-C-M-W3-KOM
				.50	.63	.91	2.42	1.42	35.28	
19	3/4"	-12	M30x1,5	14,8	19,1	22,2	68,2	36	17,6	HCS-19-DKJM-M30-C-M-W3-KOM
				.58	.75	.87	2.69	1.42	38.81	
25	1"	-16	M33x1,5	20,0	25,9	24,6	79,8	41	0,0	HCS-25-DKJM-M33-C-M-W3-KOM
				.79	1.02	.97	3.14	1.61	.00	
31	1 1/4"	-20	M36x1,5	26,0	32,5	27,4	87,4	46	37,3	HCS-31-DKJM-M36-C-M-W3-KOM
				1.02	1.28	1.08	3.44	1.81	82.25	
38	1 1/2"	-24	M42x1,5	31,0	38,9	26,5	94,2	50	51,5	HCS-38-DKJM-M42-C-M-W3-KOM
				1.22	1.53	1.04	3.71	1.97	113.56	

### Related Products and Accessories



Swage Ferrules

Pages 14-21



45° Version

Page 76



90° Version

Page 77



Mobile Interlocking Protection

Page 88

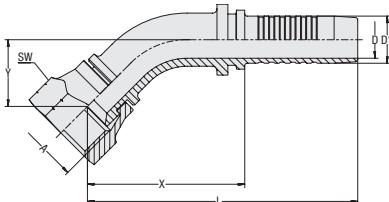


[www.stauff.com/4/en/#75](http://www.stauff.com/4/en/#75)

Catalogue 4 • Edition 02/2025

## 45° Elbow Insert with Female Metric Thread and 60° Conical Bore Type DKJM 45°

A



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 60° Conical Bore  
**Standard** JIS 8363 (KOMATSU)

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 25)

Hose Size			Connection Size	Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	D	D1	X	L	Y	SW (Hex)		
06	1/4"	-04	M14x1,5	3,9	6,7	44,6	74,8	20,6	19	4,5	HCS-06-DKJM-M14-045-C-M-W3-KOM
				.15	.26	1.76	2.94	.81	.75	9.92	
10	3/8"	-06	M14x1,5	6,5	9,9	46,2	79,7	20,5	19	6,1	HCS-10-DKJM-M14-045-C-M-W3-KOM
				.26	.39	1.82	3.14	.81	.75	13.45	
10	3/8"	-06	M16x1,5	6,5	9,9	44,8	78,3	20,5	19	6,0	HCS-10-DKJM-M16-045-C-M-W3-KOM
				.26	.39	1.76	3.08	.81	.75	13.23	
10	3/8"	-06	M18x1,5	6,5	9,9	45,7	79,2	21,4	22	7,8	HCS-10-DKJM-M18-045-C-M-W3-KOM
				.26	.39	1.80	3.12	.84	.87	17.20	
12	1/2"	-08	M22x1,5	9,5	13,0	50,0	85,5	24,5	27	12,3	HCS-12-DKJM-M22-045-C-M-W3-KOM
				.37	.51	1.97	3.37	.96	1.06	27.12	
16	5/8"	-10	M24x1,5	12,6	16,0	54,4	92,9	25,0	30	16,3	HCS-16-DKJM-M24-045-C-M-W3-KOM
				.50	.63	2.14	3.66	.98	1.18	35.94	
19	3/4"	-12	M30x1,5	14,8	19,1	64,1	110,1	31,0	36	25,7	HCS-19-DKJM-M30-045-C-M-W3-KOM
				.58	.75	2.52	4.33	1.22	1.42	56.67	
25	1"	-16	M33x1,5	20,0	25,9	71,8	127,0	34,0	41	39,5	HCS-25-DKJM-M33-045-C-M-W3-KOM
				.79	1.02	2.83	5.00	1.34	1.61	87.10	

Dimension Y  $\pm 2,5$  mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 75



90° Version

Page 77



Mobile Interlocking Protection

Page 88

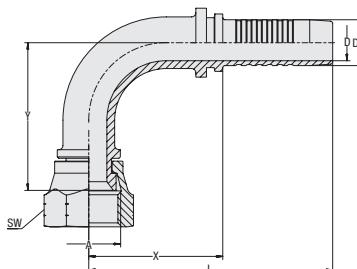


**Connection Type** Female Metric Nut Thread  
**Sealing Type** 60° Conical Bore  
**Standard** JIS 8363 (KOMATSU)

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
 (nominal sizes DN 16 to DN 25)

### 90° Elbow Insert with Female Metric Thread and 60° Conical Bore Type DKJM 90°



A

Hose Size			Connection Size	Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	D	D1	X	L	Y	SW (Hex)		
06	1/4"	-04	M14x1,5	3,9	6,7	32,8	63,0	37,9	19	4,9	HCS-06-DKJM-M14-090-C-M-W3-KOM
				.15	.26	1.29	2.48	1.49	.75	10.80	
10	3/8"	-06	M14x1,5	6,5	9,9	37,0	70,5	41,4	19	7,1	HCS-10-DKJM-M14-090-C-M-W3-KOM
				.26	.39	1.46	2.78	1.63	.75	15.66	
10	3/8"	-06	M16x1,5	6,5	9,9	36,0	69,5	40,8	19	6,9	HCS-10-DKJM-M16-090-C-M-W3-KOM
				.26	.39	1.42	2.74	1.61	.75	15.21	
10	3/8"	-06	M18x1,5	6,5	9,9	40,5	74,0	37,4	22	8,8	HCS-10-DKJM-M18-090-C-M-W3-KOM
				.26	.39	1.59	2.91	1.47	.87	19.40	
10	3/8"	-06	M20x1,5	6,5	9,9	40,5	74,0	43,0	24	9,6	HCS-10-DKJM-M20-090-C-M-W3-KOM
				.26	.39	1.59	2.91	1.69	.94	21.17	
10	3/8"	-06	M22x1,5	6,5	9,9	51,0	84,5	46,8	27	11,8	HCS-10-DKJM-M22-090-C-M-W3-KOM
				.26	.39	2.01	3.33	1.84	1.06	26.02	
12	1/2"	-08	M22x1,5	9,5	13,0	49,0	84,5	43,2	27	13,7	HCS-12-DKJM-M22-090-C-M-W3-KOM
				.37	.51	1.93	3.33	1.70	1.06	30.21	
16	5/8"	-10	M24x1,5	12,6	16,0	55,0	93,5	54,2	30	18,2	HCS-16-DKJM-M24-090-C-M-W3-KOM
				.50	.63	2.17	3.68	2.13	1.18	40.13	
19	3/4"	-12	M30x1,5	14,8	19,1	63,4	109,4	62,6	36	29,3	HCS-19-DKJM-M30-090-C-M-W3-KOM
				.58	.75	2.50	4.31	2.46	1.42	64.61	
25	1"	-16	M33x1,5	20,0	25,9	77,8	133,0	71,3	41	45,5	HCS-25-DKJM-M33-090-C-M-W3-KOM
				.79	1.02	3.06	5.24	2.81	1.61	100.33	

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 75



45° Version

Page 76



Mobile Interlocking Protection

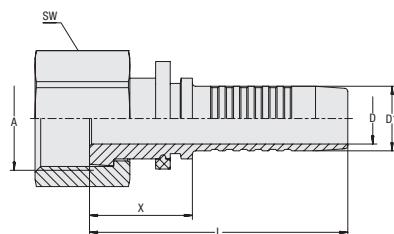
Page 88



www.stauff.com/4/en/#77

Catalogue 4 • Edition 02/2025

## Straight Insert with Female UN/UNF Thread for O-Ring Face Seal Connection Type ORS

**A**

**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** O-Ring Face Seal  
**Standard** ISO 8434-3

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection (nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	9/16"-18 UNF	-04	3,9 .15	6,7 .26	24,5 .96	54,5 2,15	17 .67	3,2 .13	HCS-06-ORS-04-S-M-W3
06	1/4"	-04	11/16"-16 UN	-06	3,9 .15	6,7 .26	30,0 1,18	60,0 2,36	22 .87	6,4 .25	HCS-06-ORS-06-S-M-W3
08	5/16"	-05	11/16"-16 UN	-06	5,4 .21	8,2 .32	31,0 1,22	61,0 2,40	22 .87	6,3 .25	HCS-08-ORS-06-S-M-W3
10	3/8"	-06	11/16"-16 UN	-06	6,5 .26	9,9 .39	21,5 .85	55,0 2,17	22 .87	6,1 .24	HCS-10-ORS-06-S-M-W3
10	3/8"	-06	13/16"-16 UN	-08	6,5 .26	9,9 .39	28,5 1,12	62,0 2,44	24 .94	7,7 .30	HCS-10-ORS-08-S-M-W3
12	1/2"	-08	13/16"-16 UN	-08	9,5 .37	13,0 .51	23,5 .93	59,0 2,32	24 .94	8,1 .32	HCS-12-ORS-08-S-M-W3
12	1/2"	-08	1"-14 UNS	-10	9,5 .37	13,0 .51	33,0 1,30	68,5 2,70	30 1,18	13,5 .53	HCS-12-ORS-10-S-M-W3
16	5/8"	-10	1"-14 UNS	-10	12,6 .50	16,0 .63	25,5 1,00	64,0 2,52	30 1,18	12,7 .50	HCS-16-ORS-10-S-M-W3
16	5/8"	-10	1 3/16"-12 UN	-12	12,6 .50	16,0 .63	25,5 1,00	64,0 2,52	36 1,42	19,3 .76	HCS-16-ORS-12-S-M-W3
19	3/4"	-12	1 3/16"-12 UN	-12	14,8 .58	19,1 .75	41,6 1,64	87,6 3,45	36 1,42	22,8 .90	HCS-19-ORS-12-S-M-W3
19	3/4"	-12	1 7/16"-12 UN	-16	14,8 .58	19,1 .75	37,5 1,48	83,5 3,29	41 1,61	30,1 1,19	HCS-19-ORS-16-S-M-W3
25	1"	-16	1 7/16"-12 UN	-16	20,0 .79	25,9 1,02	40,3 1,59	95,5 3,76	41 1,61	33,2 1,31	HCS-25-ORS-16-S-M-W3
25	1"	-16	1 11/16"-12 UN	-20	20,0 .79	25,9 1,02	38,5 1,52	93,5 3,68	50 1,97	46,3 1,82	HCS-25-ORS-20-S-M-W3
31	1 1/4"	-20	1 11/16"-12 UN	-20	26,0 1,02	32,5 1,28	41,5 1,63	101,5 4,00	50 1,97	50,0 1,97	HCS-31-ORS-20-S-M-W3
38	1 1/2"	-24	2"-12 UN	-24	31,0 1,22	38,9 1,53	41,8 1,65	109,5 4,31	60 2,36	71,8 2,83	HCS-38-ORS-24-S-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 14-21



45° Version

Page 79



ECOVOS VA Version

Page 135



Mobile Interlocking Protection

Page 88



90° Version

Page 80



MULTIVOS Version

Page 169



## 45° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection Type ORS 45°

**Connection Type** Female UN/UNF Nut Thread

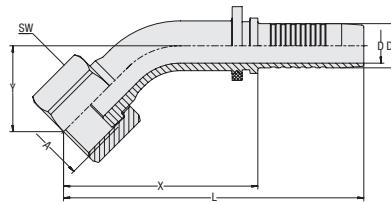
**Sealing Type** O-Ring Face Seal

**Standard** ISO 8434-3

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
06	1/4"	-04	9/16"-18 UNF	-04	3,9	6,7	41,2	71,4	17,2	17	3,7
					.15	.26	1.62	2.81	.68	.67	8.16
06	1/4"	-04	11/16"-16 UN	-06	3,9	6,7	43,4	73,6	19,4	22	5,9
					.15	.26	1.71	2.90	.76	.87	13.01
08	5/16"	-05	11/16"-16 UN	-06	5,4	8,2	42,1	72,3	18,6	22	0,0
					.21	.32	1.66	2.85	.73	.87	.00
10	3/8"	-06	11/16"-16 UN	-06	6,5	9,9	43,0	76,5	18,0	22	7,6
					.26	.39	1.69	3.01	.71	.87	16.76
10	3/8"	-06	13/16"-16 UN	-08	6,5	9,9	44,5	78,0	19,5	22	8,9
					.26	.39	1.75	3.07	.77	.87	19.62
12	1/2"	-08	13/16"-16 UN	-08	9,5	13,0	47,5	82,5	21,0	24	10,2
					.37	.51	1.87	3.25	.83	.94	22.49
12	1/2"	-08	1"-14 UNS	-10	9,5	13,0	45,3	80,8	19,1	30	14,4
					.37	.51	1.78	3.18	.75	1.18	31.75
16	5/8"	-10	1"-14 UNS	-10	12,6	16,0	52,5	91,0	23,5	30	16,0
					.50	.63	2.07	3.58	.93	1.18	35.28
19	3/4"	-12	1 3/16"-12 UN	-12	14,8	19,1	60,8	106,8	27,3	36	26,9
					.58	.75	2.39	4.20	1.07	1.42	59.29
25	1"	-16	1 7/16"-12 UN	-16	20,0	25,9	89	144	37,5	41	0,0
					.79	1.02	3.50	5.67	1.48	1.61	.00
25	1"	-16	1 11/16"-12 UN	-20	20,0	25,9	80,5	135,5	34,0	50	55,6
					.79	1.02	3.17	5.33	1.34	1.97	122.60
31	1 1/4"	-20	1 11/16"-12 UN	-20	26,0	32,5	79,8	139,8	33,5	50	72,3
					1.02	1.28	3.14	5.50	1.32	1.97	159.42
38	1 1/2"	-24	2"-12 UN	-24	31,0	38,9	79,8	147,5	32,6	60	108,1
					1.22	1.53	3.14	5.81	1.28	2.36	238.36

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 77



MULTIVOS Version

Page 169



Mobile Interlocking Protection

Page 88



90° Version

Page 79

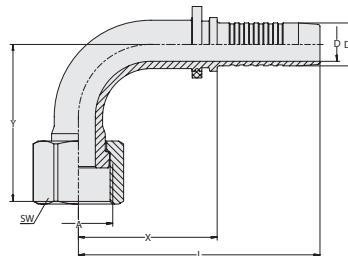


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Catalogue 4 • Edition 02/2025

## 90° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection Type ORS 90°

A



**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** O-Ring Face Seal  
**Standard** ISO 8434-3

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Suitable for use with mobile interlocking protection  
(nominal sizes DN 16 to DN 31)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
06	1/4"	-04	9/16"-18 UNF	-04	3,9	6,7	32,8	63,0	33,1	17	3,7
					.15	.26	1.29	2.48	1.30	.67	8.16
06	1/4"	-04	11/16"-16 UN	-06	3,9	6,7	32,8	63,0	36,3	22	0,0
					.15	.26	1.29	2.48	1.43	.87	.00
08	5/16"	-05	11/16"-16 UN	-06	5,4	8,2	32,3	62,5	35,1	22	0,0
					.21	.32	1.27	2.46	1.38	.87	.00
10	3/8"	-06	11/16"-16 UN	-06	6,5	9,9	37,0	70,5	37,0	22	8,9
					.26	.39	1.46	2.78	1.46	.87	19,51
10	3/8"	-06	13/16"-16 UN	-08	6,5	9,9	37,0	70,5	39,5	24	9,3
					.26	.39	1.46	2.78	1.56	.94	20,51
12	1/2"	-08	13/16"-16 UN	-08	9,5	13,0	40,5	76,0	43,5	24	14,6
					.37	.51	1.59	2.99	1.71	.94	32,08
12	1/2"	-08	1"-14 UNS	-10	9,5	13,0	38,5	74,0	39,4	30	14,5
					.37	.51	1.52	2.91	1.55	1.18	31,97
16	5/8"	-10	1"-14 UNS	-10	12,6	16,0	45,0	83,5	49,0	30	18,8
					.50	.63	1.77	3.29	1.93	1.18	41,34
19	3/4"	-12	1 3/16"-12 UN	-12	14,8	19,1	52,8	98,8	58,0	36	29,4
					.58	.75	2.08	3.89	2.28	1.42	64,83
25	1"	-16	1 7/16"-12 UN	-16	20,0	25,9	61,4	116,6	66,5	41	0,0
					.79	1.02	2.42	4.59	2.62	1.61	.00
25	1"	-16	1 11/16"-12 UN	-20	20,0	25,9	70,5	125,5	70,5	50	62,8
					.79	1.02	2.78	4.94	2.78	1.97	138,36
31	1 1/4"	-20	1 11/16"-12 UN	-20	26,0	32,5	76,3	136,3	78,2	50	67,1
					1,02	1,28	3,00	5,37	3,08	1,97	147,96
38	1 1/2"	-24	2"-12 UN	-24	31,0	38,9	82,3	150,0	81,3	60	132,1
					1,22	1,53	3,24	5,91	3,20	2,36	291,28

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 14-21



Straight Version

Page 78



MULTIVOS Version

Page 170



Mobile Interlocking Protection

Page 88



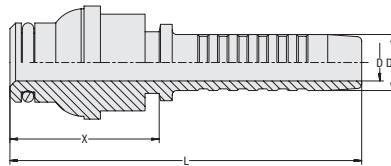
45° Version

Page 79



Straight Insert with Pressure Washer Connector  
Type WCS

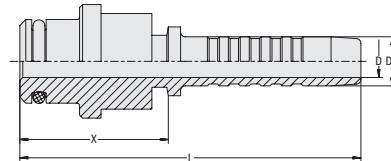
**Connection Type** Pressure Washer Connector (without Slip Nut)  
**Sealing Type** Spherical Head  
**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)



Hose Size			Dimensions (mm/in)			Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	D	D1	X			
06	1/4"	-04	3,9 .15	6,7 .26	32,5 1,28	63,0 2,48	4,8 10,47	HCS-06-WCS-14-04-OR-B-M-W3
08	5/16"	-05	5,4 .21	8,2 .32	32,5 1,28	63,0 2,48	4,8 10,47	HCS-08-WCS-14-05-OR-B-M-W3
10	3/8"	-06	6,5 .26	9,9 .39	28,5 1,12	62,0 2,44	4,7 10,25	HCS-10-WCS-14-06-OR-B-M-W3

 Straight Insert with Pressure Washer Connector  
Type WCC

**Connection Type** Pressure Washer Connector (without Slip Nut)  
**Sealing Type** Cylindrical  
**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)



Hose Size			Dimensions (mm/in)			Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	D	D1	X			
06	1/4"	-04	3,9 .15	6,7 .26	29,5 1,16	59,5 2,34	3,9 8,60	HCS-06-WCC-14-04-OR-B-M-W3
08	5/16"	-05	5,4 .21	8,2 .32	27,0 1,06	57,0 2,24	3,7 8,05	HCS-08-WCC-14-05-OR-B-M-W3

 Slip Nut for Straight Insert with Pressure Washer Connector  
Type SN-WC

**Thread Material** M22x1,5  
Brass / Plastic

Ordering Codes
SN-WC-M22x1.5-W69



## Related Products and Accessories



Swage Ferrules

Pages 14-21

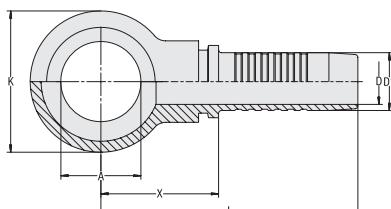


[www.stauff.com/4/en/#81](http://www.stauff.com/4/en/#81)

Catalogue 4 • Edition 02/2025

## Straight Metric Banjo Insert Type RGN

A



<b>Connection Type</b>	Banjo for Metric Banjo Bolts
<b>Sealing Type</b>	Copper Ring
<b>Standard</b>	DIN 7642
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc-Plating and Thick-Film-Passivation

Hose Size			Banjo Bolt		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	AØ	D	D1	K	X	L		
05	1/8"	-03	M10	-03	10,1 .40	3,0 .12	5,1 .20	17,0 .67	24,8 .98	47,8 1.88	1,5 3,31	HCS-05-RGN-03-M-W66V
05	1/8"	-03	M12	-04	12,1 .48	3,0 .12	5,1 .20	20,0 .79	21,5 .85	44,5 1.75	1,6 3,53	HCS-05-RGN-04-M-W66V
06	1/4"	-04	M12	-04	12,1 .48	4,0 .16	6,8 .27	20,0 .79	28,3 1.11	54,8 2.16	2,7 5,95	HCS-06-RGN-04-M-W66V
06	1/4"	-04	M10	-03	10,1 .40	4,0 .16	6,8 .27	17,0 .67	24,8 .98	51,3 2.02	1,6 3,53	HCS-06-RGN-03-M-W66V
06	1/4"	-04	M14	-05	14,1 .56	4,0 .16	6,8 .27	24,0 .94	24,8 .98	51,3 2.02	2,9 6,39	HCS-06-RGN-05-M-W66V
06	1/4"	-04	M16	-06	16,1 .63	4,0 .16	6,8 .27	28,0 .94	26,7 .98	53,2 2.09	3,2 7,06	HCS-06-RGN-06-M-W66V
06	1/4"	-04	M18	-08	18,1 .71	4,0 .16	6,8 .27	32,0 .94	31,9 .98	58,4 2.30	3,4 7,50	HCS-06-RGN-08-M-W66V
08	5/16"	-05	M14	-05	14,1 .56	5,5 .22	8,3 .33	24,0 .94	23,3 .92	49,8 1.96	3,2 7,06	HCS-08-RGN-05-M-W66V
08	5/16"	-05	M12	-04	12,1 .48	5,5 .22	8,3 .33	20,0 .79	28,1 1.11	54,6 2.15	2,8 6,17	HCS-08-RGN-04-M-W66V
08	5/16"	-05	M16	-06	16,1 .63	5,5 .22	8,3 .33	28,0 1.10	26,8 1.06	53,3 2.10	4,6 10.14	HCS-08-RGN-06-M-W66V
08	5/16"	-05	M18	-08	18,1 .71	5,5 .22	8,3 .33	32,0 1.26	31,7 1.25	58,2 2.29	8,1 17.86	HCS-08-RGN-08-M-W66V
10	3/8"	-06	M16	-06	16,1 .63	7,0 .28	9,9 .39	28,0 1.10	26,9 1.06	57,4 2.26	4,9 10.80	HCS-10-RGN-06-M-W66V
10	3/8"	-06	M14	-05	14,1 .56	7,0 .28	9,9 .39	24,0 .94	25,4 1.00	55,9 2.20	3,5 7.72	HCS-10-RGN-05-M-W66V
10	3/8"	-06	M18	-08	18,1 .71	7,0 .28	9,9 .39	32,0 1.26	32,3 1.27	62,8 2.47	8,0 17.64	HCS-10-RGN-08-M-W66V
10	3/8"	-06	M22	-10	22,1 .87	7,0 .28	9,9 .39	36,0 1.42	32,3 1.27	62,8 2.47	9,5 20.95	HCS-10-RGN-10-M-W66V
12	1/2"	-08	M18	-08	18,1 .71	9,5 .37	13,1 .52	32,0 1.26	29,3 1.15	61,8 2.43	8,5 18.74	HCS-12-RGN-08-M-W66V
12	1/2"	-08	M22	-10	22,1 .87	9,5 .37	13,1 .52	36,0 1.42	29,6 1.17	62,1 2.44	9,6 21.17	HCS-12-RGN-10-M-W66V
16	5/8"	-10	M22	-10	22,1 .87	12,0 .47	16,2 .64	36,0 1.42	30,5 1.20	70,5 2.78	10,9 24.03	HCS-16-RGN-10-M-W66V
16	5/8"	-10	M26	-12	26,1 1.03	12,0 .47	16,2 .64	45,0 1.77	38,0 1.50	78,0 3.07	16,0 35.28	HCS-16-RGN-12-M-W66V
19	3/4"	-12	M26	-12	26,1 1.03	15,0 .59	19,3 .76	45,0 1.77	38,0 1.50	82,3 3.24	17,5 38.59	HCS-19-RGN-12-M-W66V

### Related Products and Accessories



Swage Ferrules

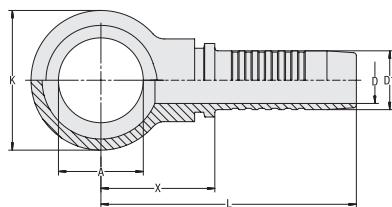
Pages 14-21



**Straight Imperial Banjo Insert  
Type RGNG**

**Connection Type** Banjo for Imperial Banjo Bolts  
**Sealing Type** Copper Ring  
**Standard** DIN 7642

**Material** Carbon Steel  
**Surface Finishing** Zinc-Plating and Thick-Film-Passivation



Hose Size			Banjo Bolt		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	AØ	D	D1	K	X	L		
05	1/8"	-03	R 1/8"	-03	10,1	3,0	5,1	17,0	24,8	47,8	1,45	HCS-06-RGNG-03-M-W66V
					.40	.12	.20	.67	.98	1.88	3.20	
06	1/4"	-04	R 1/4"	-04	13,2	4,0	6,8	24,0	23,3	49,8	3,20	HCS-06-RGNG-04-M-W66V
					.52	.16	.27	.94	.92	1.96	7.06	
06	1/4"	-04	R 3/8"	-06	16,7	4,0	6,8	28,0	26,8	53,3	4,95	HCS-06-RGNG-06-M-W66V
					.66	.16	.27	1.10	1.06	2.10	10.91	
08	5/16"	-05	R 1/4"	-04	13,2	5,5	8,3	24,0	28,1	54,6	3,50	HCS-08-RGNG-04-M-W66V
					.52	.22	.33	.94	1.11	2.15	7.72	
08	5/16"	-05	R 3/8"	-06	16,7	5,5	8,3	28,0	26,8	53,3	5,05	HCS-08-RGNG-06-M-W66V
					.66	.22	.33	1.10	1.06	2.10	11.14	
08	5/16"	-05	R 1/2"	-08	21	5,5	8,3	36,0	28,9	55,4	8,85	HCS-10-RGNG-08-M-W66V
					.83	.22	.33	1.42	1.14	2.18	19.51	
10	3/8"	-06	R 3/8"	-06	16,7	7,0	9,9	28,0	26,9	57,4	5,50	HCS-10-RGNG-06-M-W66V
					.66	.28	.39	1.10	1.06	2.26	12.13	
10	3/8"	-06	R 1/4"	-04	13,2	7,0	9,9	24,0	23,4	53,9	4,00	HCS-10-RGNG-04-M-W66V
					.52	.28	.39	.94	.92	2.12	8.82	
10	3/8"	-06	R 1/2"	-08	21	7,0	9,9	36,0	29,0	59,5	9,25	HCS-10-RGNG-08-M-W66V
					.83	.28	.39	1.42	1.14	2.34	20.40	
12	1/2"	-08	R 1/2"	-08	21	9,5	13,1	36,0	29,6	62,1	9,60	HCS-12-RGNG-08-M-W66V
					.83	.37	.52	1.42	1.17	2.44	21.17	
12	1/2"	-08	R 3/8"	-06	16,7	9,5	13,1	28,0	27,5	60,0	6,35	HCS-12-RGNG-06-M-W66V
					.66	.37	.52	1.10	1.08	2.36	14.00	
12	1/2"	-08	R 3/4"	-12	26,35	9,5	13,1	45,0	39,0	71,5	15,65	HCS-12-RGNG-12-M-W66V
					1.04	.37	.52	1.77	1.54	2.81	34.51	
16	5/8"	-10	R 5/8"	-10	23	12,0	16,2	45,0	37,0	77,0	10,65	HCS-16-RGNG-10-M-W66V
					.91	.47	.64	1.77	1.46	3.03	23.48	
16	5/8"	-10	R 1/2"	-08	21	12,0	16,2	on request				HCS-16-RGNG-08-M-W66V
					.83	.47	.64					
16	5/8"	-10	R 3/4"	-12	26,5	12,0	16,2	45,0	39,0	79,0	20,40	HCS-16-RGNG-12-M-W66V
					1.04	.47	.64	1.77	1.54	3.11	44.98	
19	3/4"	-12	R 3/4"	-12	26,5	15,0	19,3	45,0	40,0	84,3	17,20	HCS-19-RGNG-12-M-W66V
					1.04	.59	.76	1.77	1.57	3.32	37.93	
19	3/4"	-12	R 1"	-16	33,3	15,0	19,3	58,0	46,6	90,9	34,70	HCS-19-RGNG-16-M-W66V
					1.31	.59	.76	2.28	1.83	3.58	76.51	
25	1"	-16	R 1"	-16	33,3	20,0	25,6	58,0	47,0	101,3	39,85	HCS-25-RGNG-16-M-W66V
					1.31	.79	1.01	2.28	1.85	3.99	87.87	

**Related Products and Accessories**

**Swage Ferrules**

Pages 14-21


[www.stauff.com/4/en/#83](http://www.stauff.com/4/en/#83)
**Catalogue 4 • Edition 02/2025**



Introduction 86



Skive Swage Ferrule for Spiral Hose

88

Series 15037



Mobile Interlocking Protection Ring

88



Assembly Tools

(Conical Sleeve and Plastic Slider)

89

Assembly Instructions

89



- Maximum coverage with few standard components
- Reduction in investments costs for initial equipment and warehouse
- More space in the warehouse and hydraulic express service vehicles
- No need to duplicate stock-keeping of similar components with a high likelihood of confusion
- Gain in flexibility and rapidity to the customer's advantage

**B**

The mobile interlocking protection from STAUFF turns a regular ECOVOS hose insert into an interlock connector in no time at all, thereby avoiding double warehouse-keeping.

Up to now, special accessories have been required for interlocking hose connections. In order to ensure rapid delivery, all nominal widths had to be kept available in duplicate, one as a standard version and a second as an interlock version.

With the mobile interlocking protection from STAUFF, only standard ECOVOS hose inserts are now required.

The number of components now to be kept on hand is thereby reduced by more than 50 %.

Ranging from textile hoses, including skived and non-skived hoses with wire mesh to interlock applications with a multispiral hose, the same now applies: a single hose connector system for all applications.

For the initial equipment of new sites, this means: maximum coverage with fewer components, reduction in investments costs for initial equipment and warehouse.

Hydraulic express service with mobile workshops particularly benefits from the new system: On the one hand as a result of the gain in space in the emergency vehicles, on the other hand through the ability to cover with the modular system a product range that was hitherto inconceivable.

A gain in flexibility and rapidity to the customer's advantage is guaranteed.

With a standard ECOVOS hose insert, the mobile interlocking protection ring and the appropriate swage ferrule from the ECOVOS<sup>+</sup> range, you can configure your own interlocking hose connection while remaining flexible.



For large-scale applications for which particularly rational manufacture is essential, ECOVOS<sup>+</sup> hose insert with integrated interlocking protection rings are also available upon request.

The swage ferrule used from the ECOVOS<sup>+</sup> range is the same for both versions.

Whatever version you decide on: the result is always interlocking hose connections of highest quality and reliability.



ECOVOS Straight Hose Insert  
without Interlocking Protection



ECOVOS<sup>+</sup> Straight Hose Insert  
with Integrated Interlocking Protection Ring



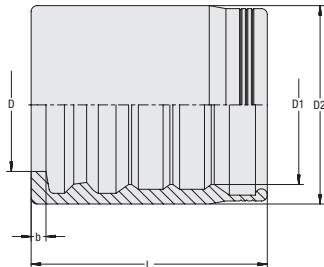
ECOVOS<sup>+</sup> Hose Insert  
with Integrated Interlocking Protection Ring

ECOVOS<sup>+</sup>  
Swage Ferrule

Hose



## Internal & External Skive Swage Ferrule for Spiral Hose Series 15037

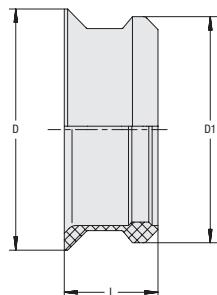


<b>Ferrule Type</b>	with Pull-Out Protection (Interlock)
<b>Suitable for</b>	4SP, 4SH, R15 (DN 19 / DN 25)
<b>Standards</b>	EN 856, SAE 100 R15
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Maximum working pressures depending on the type of the hose connector and the hose type.

Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
16	5/8"	-10	22,6 .89	27 1.06	33,6 1.32	40,0 1.57	2,5 .10	7,55 16,65	HF-5002-16-W3
19	3/4"	-12	25,5 1.00	30,2 1.19	39,0 1.54	50,0 1.97	3,0 .12	15,5 34,18	HF-5002-19-W3
25	1"	-16	31,0 1.22	36,7 1.44	46,0 1.81	60,0 2.36	3,7 .15	22,9 50,49	HF-5002-25-W3
31	1 1/4"	-20	39,2 1.54	47,0 1.85	57,0 2.24	65,0 2.56	4,0 .16	34,1 75,19	HF-5002-31-W3
38	1 1/2"	-24	45,0 1.77	53,7 2.11	65,0 2.56	73,0 2.87	4,3 .17	52,1 114,88	HF-5002-38-W3
51	2"	-32	58,5 2.30	66,0 2.60	78,0 3.07	80,0 3.15	4,3 .17	70,2 154,79	HF-5002-51-W3

## Mobile Interlocking Protection Ring Type AS



Hose Size			Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	D3	L	L1		
16	5/8"	-10	20,0 .79	16,8 .66	15,3 .60	19,5 .77	7,5 .30	5,0 .20	5,5 12,13	HCE-AS-16-PEK
19	3/4"	-12	24,0 .94	20,1 .79	18,5 .73	22,5 .89	9,5 .37	5,9 .23	9,6 21,17	HCE-AS-19-PEK
25	1"	-16	30,0 1.18	26,7 1.05	25,2 .99	29,1 1.15	9,5 .37	5,9 .23	11,9 26,24	HCE-AS-25-PEK
31	1 1/4"	-20	37,5 1.48	33,4 1.31	31,8 1.25	36,1 1.42	11,5 .45	7,8 .31	20,2 44,54	HCE-AS-31-PEK
38	1 1/2"	-24	43,8 1.72	39,5 1.56	37,9 1.49	42,4 1.67	15,5 .61	10,8 .43	33,8 74,53	HCE-AS-38-PEK
51	2"	-32	56,0 2.20	53,1 2.09	50,6 1.99	52,6 2.07	15,5 .61	10,8 .43	51,0 112,46	HCE-AS-51-PEK



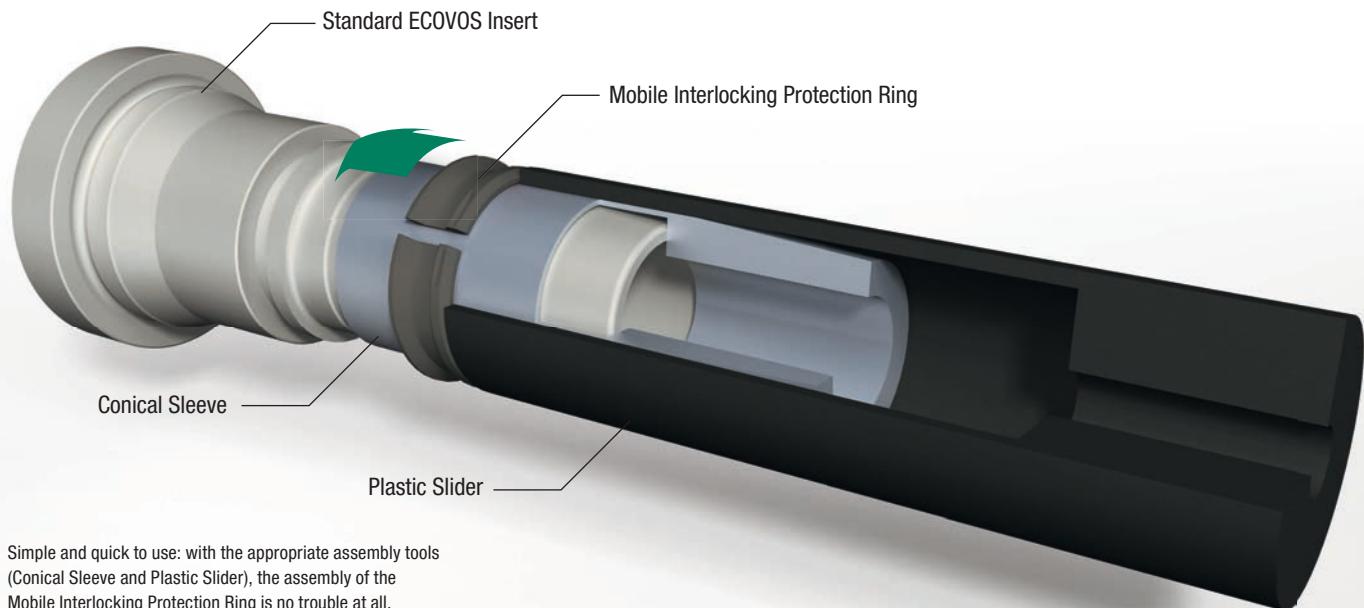
## Assembly Tools (Conical Sleeve and Plastic Slider)



B

Hose Size			Ordering Codes
DN	inch	Dash	
16	5/8"	-10	HCE-AS-16-AT
19	3/4"	-12	HCE-AS-19-AT
25	1"	-16	HCE-AS-25-AT
31	1 1/4"	-20	HCE-AS-31-AT
38	1 1/2"	-24	HCE-AS-38-AT
51	2"	-32	HCE-AS-51-AT

## Assembly Instructions



Simple and quick to use: with the appropriate assembly tools (Conical Sleeve and Plastic Slider), the assembly of the Mobile Interlocking Protection Ring is no trouble at all.

The Mobile Interlocking Protection Ring is pushed over the Conical Sleeve using the Plastic Slider until it reaches the end position where it engages securely with a positive fit.

Swaging with a skived spiral hose and ferrule is subsequently performed as usual with the same tools and machines.





**Non-Skive Swage Ferrule for Braided Hose**

92

Series 15011



**Skive/Non-Skive Swage Ferrule for Braided Hose**

93

Series 15021



**Skive Swage Ferrule for Braided and Spiral Hose**

94

Series 15031



**Non-Skive Swage Ferrule for Hose with Textile Insert**

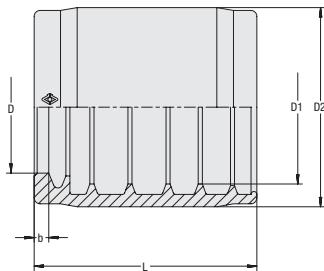
95

Series 15330

	<b>Straight Insert with Standpipe BEL (Light Series)</b>	96		<b>Straight Insert with Male BSPP Thread and 60° Conical Bore AGR</b>	116
	<b>45° Elbow Insert with Standpipe BEL 45° (Light Series)</b>	97		<b>Straight Insert with Male UN/UNF Thread and 74° Taper AGJ</b>	117
	<b>90° Elbow Insert with Standpipe BEL 90° (Light Series)</b>	98		<b>Straight Insert with Male BSPP Thread AGR</b>	118
	<b>Straight Insert with Standpipe BES (Heavy Series)</b>	99		<b>Straight Insert with Male BSPT Thread AGR</b>	119
	<b>45° Elbow Insert with Standpipe BES 45° (Heavy Series)</b>	100		<b>Straight Insert with Male NPTF Thread and 60° Conical Bore AGN</b>	120
	<b>90° Elbow Insert with Standpipe BES 90° (Heavy Series)</b>	101		<b>Straight Insert with SAE Flange Adaptor SFL (3000 PSI Series)</b>	121
	<b>Straight Insert with Male Metric Thread and 24° Conical Bore CEL (Light Series)</b>	102		<b>45° Elbow Insert with SAE Flange Adaptor SFL 45° (3000 PSI Series)</b>	122
	<b>Straight Insert with Male Metric Thread and 24° Conical Bore CES (Heavy Series)</b>	103		<b>90° Elbow Insert with SAE Flange Adaptor SFL 90° (3000 PSI Series)</b>	123
	<b>Straight Insert with Female Metric Nut Thread and 24° Taper DKL (Light Series)</b>	104		<b>Straight Insert with SAE Flange Adaptor SFS (6000 PSI Series)</b>	124
	<b>45° Elbow Insert with Female Metric Nut Thread and 24° Taper DKL 45° (Light Series)</b>	105		<b>45° Elbow Insert with SAE Flange Adaptor SFS 45° (6000 PSI Series)</b>	125
	<b>90° Elbow Insert with Female Metric Nut Thread and 24° Taper DKL 90° (Light Series)</b>	106		<b>90° Elbow Insert with SAE Flange Adaptor SFS 90° (6000 PSI Series)</b>	126
	<b>Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring DKOL (Light Series)</b>	107		<b>Straight Insert with Female BSPP Thread and 60° Taper DKR</b>	127
	<b>45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring DKOL 45° (Light Series)</b>	109		<b>45° Elbow Insert with Female BSPP Thread and 60° Taper DKR 45°</b>	128
	<b>90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring DKOL 90° (Light Series)</b>	109		<b>90° Elbow Insert with Female BSPP Thread and 60° Taper DKR 90°</b>	129
	<b>Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring DKOS (Heavy Series)</b>	110		<b>Straight Insert with Female BSPP Thread DKRF</b>	130
	<b>45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring DKOS 45° (Heavy Series)</b>	111		<b>90° Elbow Insert with Female BSPP Thread DKRF 90°</b>	131
	<b>90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring DKOS 90° (Heavy Series)</b>	112		<b>Straight Insert with Female UN/UNF Thread and 74° Conical Bore DKJ</b>	132
	<b>Straight Insert with Female Metric Nut Thread and Metal Seat DKK</b>	113		<b>45° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore DKJ 45°</b>	133
	<b>90° Elbow Insert with Female Metric Thread and Metal Seat DKK 90°</b>	114		<b>90° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore DKJ 90°</b>	134
				<b>Straight Insert with Female UN/UNF Thread for O-Ring Face Seal Connection ORS</b>	135
				<b>Straight Insert with Female BSPP Thread and 60° Taper / O-Ring DKOR</b>	136



## Non-Skive Swage Ferrule for Braided Hose Series 15011



**Suitable for Standards** 1SN, 2SN, 2SC, 2SN-K  
EN 853, EN 857

**Material** Stainless Steel

Maximum working pressures depending on the type of the hose connector and the hose type.

Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
06	1/4"	-04	11,3	15,7	21,0	31,0	2,5	2,7	HF-1000-06-W5
			.16	.62	.83	1.22	.10	5.93	
08	5/16"	-05	12,7	17,3	22,5	31,0	2,5	2,9	HF-1000-08-W5
			.20	.68	.89	1.22	.10	6.28	
10	3/8"	-06	15,0	19,8	26,5	33,0	2,6	5,0	HF-1000-10-W5
			.24	.78	1.04	1.30	.10	10.91	
12	1/2"	-08	18,3	23,0	30,0	36,0	2,6	6,2	HF-1000-12-W5
			.31	.91	1.18	1.42	.10	13.67	
16	5/8"	-10	22,0	26,2	34,0	38,0	2,6	8,2	HF-1000-16-W5
			.39	1.03	1.34	1.50	.10	17.97	
19	3/4"	-12	25,0	30,1	38,0	44,0	3,0	10,8	HF-1000-19-W5
			.47	1.19	1.50	1.73	.12	23.81	
25	1"	-16	32,3	38,8	47,0	52,0	3,8	17,3	HF-1000-25-W5
			.63	1.53	1.85	2.05	.15	38.15	
31	1 1/4"	-20	40,0	49,3	57,0	60,0	4,1	23,0	HF-1000-31-W5
			.79	1.94	2.24	2.36	.16	50.72	
38	1 1/2"	-24	46,6	55,8	65,0	73,0	4,2	41,1	HF-1000-38-W5
			.94	2.20	2.56	2.87	.17	90.52	
51	2"	-32	58,9	68,5	78,0	80,0	4,4	52,5	HF-1000-51-W5
			-1.26	2.70	3.07	3.15	.17	115.76	

### Related Products and Accessories



Test Mandrels

Pages 185-187

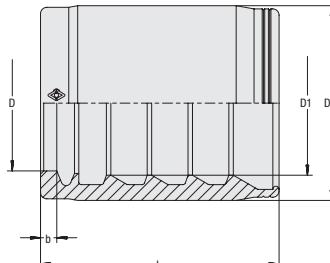


**Suitable for Standards** 1SN, 2SC, 2SN-K, 1SC, 1SN-K  
EN 853, EN 857

**Material** Stainless Steel

Maximum working pressures depending on the type of the hose connector and the hose type.

### Skive/Non-Skive Swage Ferrule for Braided Hose Series 15021



Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
06	1/4"	-04	11,0	13,2	20,0	31,0	2,5	3,1	HF-2001-06-W5
			.43	.52	.79	1.22	.10	6.84	
08	5/16"	-05	12,6	15,5	20,6	31,0	2,5	8,3	HF-2001-08-W5
			.50	.61	.81	1.22	.10	18.30	
10	3/8"	-06	14,1	16,6	23,6	33,0	2,5	4,4	HF-2001-10-W5
			.56	.65	.93	1.30	.10	9.59	
12	1/2"	-08	17,6	19,5	27,0	35,0	2,5	5,7	HF-2001-12-W5
			.69	.77	1.06	1.38	.10	12.57	
16	5/8"	-10	21,6	23,0	31,0	38,0	2,5	7,7	HF-2001-16-W5
			.85	.91	1.22	1.50	.10	17.04	
19	3/4"	-12	24,5	26,8	35,0	44,0	3,0	10,4	HF-2001-19-W5
			.96	1.06	1.38	1.73	.12	22.82	
25	1"	-16	30,4	34,1	42,0	52,0	3,7	28,6	HF-2001-25-W5
			1.20	1.34	1.65	2.05	.15	62.95	
38	1 1/2"	-24	44,4	51,3	62,0	68,0	4,3	41,9	HF-2001-38-W5
			1.75	2.02	2.44	2.68	.17	92.28	
51	2"	-32	56,7	64,0	75,0	80,0	4,3	62,9	HF-2001-51-W5
			2.23	2.52	2.95	3.15	.17	138.69	

### Related Products and Accessories



Test Mandrels

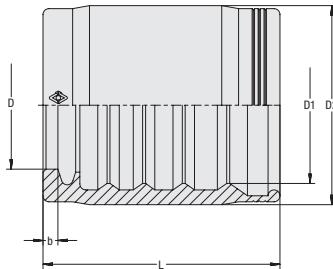
Pages 185-187



[www.stauff.com/4/en/#93](http://www.stauff.com/4/en/#93)

Catalogue 4 • Edition 02/2025

## Skive Swage Ferrule for Braided and Spiral Hose Series 15031



**Suitable for Standards** 2SN, SPC3, 4SP  
EN 853, EN 856

**Material** Stainless Steel

Maximum working pressures depending on the type of the hose connector and the hose type.

Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
06	1/4"	-04	11,0	15,5	22,0	34,0	2,5	4,0	HF-3000-06-W5
			.43	.61	.87	1,34	.10	.16	
08	5/16"	-05	12,1	17,2	23,0	31,0	2,5	3,7	HF-3000-08-W5
			.48	.68	.91	1,22	.10	.14	
10	3/8"	-06	14,2	18,9	26,0	38,0	2,5	5,7	HF-3000-10-W5
			.56	.74	1,02	1,50	.10	.22	
12	1/2"	-08	18,5	22,2	30,0	40,0	2,5	7,7	HF-3000-12-W5
			.73	.87	1,18	1,57	.10	.30	
16	5/8"	-10	21,6	26,4	33,6	40,0	2,5	8,6	HF-3000-16-W5
			.85	1,04	1,32	1,57	.10	.34	
19	3/4"	-12	24,6	30,2	39,0	50,0	3,0	15,7	HF-3000-19-W5
			.97	1,19	1,54	1,97	.12	.62	
25	1"	-16	30,9	37,3	45,5	60,0	3,7	19,7	HF-3000-25-W5
			1,22	1,47	1,79	2,36	.15	.77	
31	1 1/4"	-20	38,7	46,8	58,0	70,0	4,0	42,6	HF-3000-31-W5
			1,52	1,84	2,28	2,76	.16	1,68	
38	1 1/2"	-24	44,2	53,7	65,0	73,0	4,3	53,5	HF-3000-38-W5
			1,74	2,11	2,56	2,87	.17	2,10	
51	2"	-32	57,3	66,6	78,0	80,0	4,3	72,2	HF-3000-51-W5
			2,26	2,62	3,07	3,15	.17	2,84	

### Related Products and Accessories



Test Mandrels

Pages 185-187

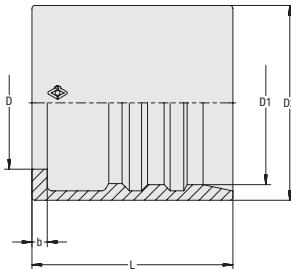


**Suitable for** 2TE, 3TE  
**Standard** EN 854

**Material** Stainless Steel

Maximum working pressures depending on the type of the hose connector and the hose type.

### Non-Skive Swage Ferrule for Hose with Textile Insert Series 15330



Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
05	1/8"	-03	9,8 .39	12,5 .49	17,0 .67	27,3 1.07	2,5 .10	1,7 .07	HF-1001-05-W5
05	1/8"	-03	9,8 .39	14,0 .55	18,6 .73	27,3 1.07	2,5 .10	2,0 .08	HF-1002-05-W5
06	1/4"	-04	11,6 .46	15,3 .60	19,0 .75	28,0 1.10	2,5 .10	2,7 .11	HF-1000-06-W5
08	5/16"	-05	13,0 .51	17,2 .68	22,3 .88	31,0 1.22	2,5 .10	3,3 .13	HF-1005-08-W5
10	3/8"	-06	14,2 .56	19,2 .76	24,0 .94	33,0 1.30	2,5 .10	3,7 .15	HF-1005-10-W5
12	1/2"	-08	17,8 .70	23,0 .91	28,0 1.10	36,0 1.42	2,5 .10	5,0 .20	HF-1005-12-W5
16	5/8"	-10	21,8 .86	26,9 1.06	33,0 1.30	38,0 1.50	2,5 .10	7,8 .31	HF-1005-16-W5
19	3/4"	-12	24,6 .97	29,9 1.18	36,0 1.42	44,0 1.73	3,0 .12	9,8 .39	HF-1005-19-W5
25	1"	-16	30,8 1.21	37,2 1.46	43,0 1.69	52,0 2.05	3,7 .15	15,6 .61	HF-1005-25-W5
31	1 1/4"	-20	37,7 1.48	43,5 1.71	49,0 1.93	60,0 2.36	4,0 .16	16,7 .66	HF-1005-31-W5

#### Related Products and Accessories



Test Mandrels

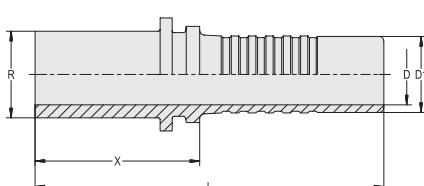
Pages 185-187



[www.stauff.com/4/en/#95](http://www.stauff.com/4/en/#95)

Catalogue 4 • Edition 02/2025

## Straight Insert with Standpipe Type BEL (Light Series)



**Connection Type** Standpipe  
**Sealing Type** 24° Cutting Ring  
**Standard** ISO 8434-1, DIN 3861  
**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)				Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	R (mm/in)	Dash	D	D1	X	L		
06	1/4"	-04	.08	-04	3,9	6,7	29,5	59,5	1,6	HCS-06-BE-08L-M-W5
			.31		.15	.26	1.16	2.34	.06	
06	1/4"	-04	.06	-03	3,9	6,7	29,5	59,5	1,3	HCS-06-BE-06L-M-W5
			.24		.15	.26	1.16	2.34	.05	
08	5/16"	-05	.10	-05	5,4	8,0	30,5	60,5	2,1	HCS-08-BE-10L-M-W5
			.39		.21	.31	1.20	2.38	.08	
08	5/16"	-05	.08	-04	5,4	8,0	29,5	59,5	1,6	HCS-08-BE-08L-M-W5
			.31		.21	.31	1.16	2.34	.06	
10	3/8"	-06	.12	-06	6,5	9,6	30,5	64,0	3,1	HCS-10-BE-12L-M-W5
			.47		.26	.38	1.20	2.52	.12	
10	3/8"	-06	.10	-05	6,5	9,6	30,5	64,0	2,5	HCS-10-BE-10L-M-W5
			.39		.26	.38	1.20	2.52	.10	
10	3/8"	-06	.15	-08	6,5	9,6	30,5	64,0	4,3	HCS-10-BE-15L-M-W5
			.59		.26	.38	1.20	2.52	.17	
12	1/2"	-08	.15	-08	9,5	12,8	33,5	69,0	4,7	HCS-12-BE-15L-M-W5
			.59		.37	.50	1.32	2.72	.19	
12	1/2"	-08	.12	-06	9,5	12,8	33,0	68,5	4,1	HCS-12-BE-12L-M-W5
			.47		.37	.50	1.30	2.70	.16	
16	5/8"	-10	.18	-10	12,6	16,0	34,0	72,5	6,2	HCS-16-BE-18L-M-W5
			.71		.50	.63	1.34	2.85	.24	
19	3/4"	-12	.22	-12	14,8	19,1	36,5	82,5	10,3	HCS-19-BE-22L-M-W5
			.87		.58	.75	1.44	3.25	.41	
25	1"	-16	.28	-16	20,0	25,9	39,5	94,5	19,0	HCS-25-BE-28L-M-W5
			1.10		.79	1.02	1.56	3.72	.75	
31	1 1/4"	-20	.35	-20	26,0	32,5	46,5	106,5	30,7	HCS-31-BE-35L-M-W5
			1.38		1.02	1.28	1.83	4.19	1.21	
38	1 1/2"	-24	.42	-24	31,0	38,9	48,5	116,0	47,9	HCS-38-BE-42L-M-W5
			1.65		1.22	1.53	1.91	4.57	1.89	

### Related Products and Accessories



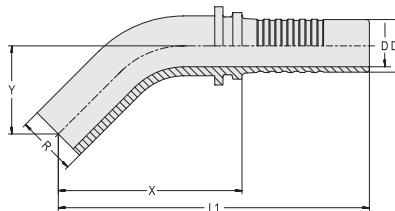
Swage Ferrules

Pages 92-95



**Connection Type** Standpipe  
**Sealing Type** 24° Cutting Ring  
**Standard** ISO 8434-1, DIN 3861  
**Material** Stainless Steel

### 45° Elbow Insert with Standpipe Type BEL 45° (Light Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	R (mm/in)	Dash	D	D1	X	L	Y		
06	1/4"	-04	8	-04	3,9	6,7	43,5	73,5	19,0	1,8	HCS-06-BE-08L-045-M-W5
			.31		.15	.26	1,71	2,89	.75	3,97	
08	5/16"	-05	10	-05	5,4	8,0	52,5	82,5	23,0	3,4	HCS-08-BE-10L-045-M-W5
			.39		.21	.31	2,07	3,25	.91	7,50	
10	3/8"	-06	12	-06	6,5	9,8	58,5	92,0	25,0	4,6	HCS-10-BE-12L-045-M-W5
			.47		.26	.39	2,30	3,62	.98	10,14	
12	1/2"	-08	15	-08	9,5	12,8	68,5	104,0	27,0	7,1	HCS-12-BE-15L-045-M-W5
			.59		.37	.50	2,70	4,09	1,06	15,66	
16	5/8"	-10	18	-10	12,6	16,0	69,5	108,0	41,0	9,1	HCS-16-BE-18L-045-M-W5
			.71		.50	.63	2,74	4,25	1,61	20,07	
19	3/4"	-12	22	-12	14,8	19,1	73,0	119,0	29,0	18,9	HCS-19-BE-22L-045-M-W5
			.87		.58	.75	2,87	4,69	1,14	41,67	
25	1"	-16	28	-16	20,0	25,9	83,0	138,0	34,0	36,3	HCS-25-BE-28L-045-M-W5
			1,10		.79	1,02	3,27	5,43	1,34	80,04	

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

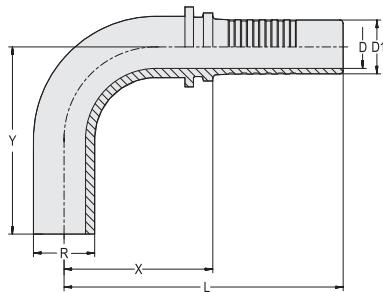
Pages 92-95



[www.stauff.com/4/en/#97](http://www.stauff.com/4/en/#97)

Catalogue 4 • Edition 02/2025

## 90° Elbow Insert with Standpipe Type BEL 90° (Light Series)



**Connection Type** Standpipe  
**Sealing Type** 24° Cutting Ring  
**Standard** ISO 8434-1, DIN 3861  
**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	R (mm/in)	Dash	D	D1	X	L	Y		
06	1/4"	-04	8	-04	3,9	6,7	27,2	56,5	31,0	2,0	HCS-06-BE-08L-090-M-W5
			.31		.15	.26	1,07	2,22	1,22	4,41	
08	5/16"	-05	10	-05	5,4	8,0	31,5	61,5	37,5	31,0	HCS-08-BE-10L-090-M-W5
			.39		.21	.31	1,24	2,42	1,48	68,36	
10	3/8"	-06	12	-06	6,5	9,8	33,0	66,5	43,5	4,6	HCS-10-BE-12L-090-M-W5
			.47		.26	.39	1,30	2,62	1,71	10,14	
12	1/2"	-08	15	-08	9,5	12,8	41,0	76,5	51,0	9,5	HCS-12-BE-15L-090-M-W5
			.59		.37	.50	1,61	3,01	2,01	20,95	
16	5/8"	-10	18	-10	12,6	16,0	44,0	82,5	55,0	11,0	HCS-16-BE-18L-090-M-W5
			.71		.50	.63	1,73	3,25	2,17	24,26	
19	3/4"	-12	22	-12	14,8	19,1	63,0	109,0	61,0	23,0	HCS-19-BE-22L-090-M-W5
			.87		.58	.75	2,48	4,29	2,40	50,72	
25	1"	-16	28	-16	20,0	25,9	74,0	129,0	72,0	40,7	HCS-25-BE-28L-090-M-W5
			1,10		.79	1,02	2,91	5,08	2,83	89,74	

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

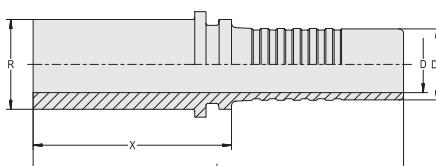
Pages 92-95



Straight Insert with Standpipe  
 Type BES (Heavy Series)

**Connection Type** Standpipe  
**Sealing Type** 24° Cutting Ring  
**Standard** ISO 8434-1, DIN 3861

**Material** Stainless Steel



Hose Size			Connection Size		Dimensions (mm/in)				Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	R (mm/in)	Dash	D	D1	X	L		
06	1/4"	-04	10	-04	3,9	6,7	33,5	63,5	2,1	HCS-06-BE-10S-M-W5
			.39		.15	.26	1,32	2,50	4,63	
06	1/4"	-04	08	-03	3,9	6,7	33,5	63,5	1,7	HCS-06-BE-08S-M-W5
			.31		.15	.26	1,32	2,50	3,75	
06	1/4"	-04	12	-05	3,9	6,7	33,5	63,5	2,8	HCS-06-BE-12S-M-W5
			.47		.15	.26	1,32	2,50	6,17	
08	5/16"	-05	12	-05	5,4	8,0	33,5	63,5	2,6	HCS-08-BE-12S-M-W5
			.47		.21	.31	1,32	2,50	5,73	
10	3/8"	-06	14	-06	6,5	9,6	36,5	70,0	4,1	HCS-10-BE-14S-M-W5
			.55		.26	.38	1,44	2,76	9,04	
10	3/8"	-06	12	-05	6,5	9,6	33,5	67,0	2,9	HCS-10-BE-12S-M-W5
			.47		.26	.38	1,32	2,64	6,39	
10	3/8"	-06	16	-08	6,5	9,6	37,5	71,0	5,1	HCS-10-BE-16S-M-W5
			.63		.26	.38	1,48	2,80	11,25	
12	1/2"	-08	16	-08	9,5	12,8	38,0	73,5	5,7	HCS-12-BE-16S-M-W5
			.63		.37	.50	1,50	2,89	12,57	
16	5/8"	-10	20	-10	12,6	16,0	44,0	82,5	9,0	HCS-16-BE-20S-M-W5
			.79		.50	.63	1,73	3,25	19,85	
16	5/8"	-10	16	-08	12,6	16,0	38,0	76,5	6,7	HCS-16-BE-16S-M-W5
			.63		.50	.63	1,50	3,01	14,77	
19	3/4"	-12	25	-12	14,8	19,1	48,5	94,5	15,9	HCS-19-BE-25S-M-W5
			.98		.58	.75	1,91	3,72	35,06	
19	3/4"	-12	20	-10	14,8	19,1	44,5	90,5	9,8	HCS-19-BE-20S-M-W5
			.79		.58	.75	1,75	3,56	21,61	
19	3/4"	-12	30	-16	14,8	19,1	52,5	98,5	20,3	HCS-19-BE-30S-M-W5
			1,18		.58	.75	2,07	3,88	44,76	
25	1"	-16	30	-16	20,0	25,9	53,5	108,5	25,6	HCS-25-BE-30S-M-W5
			1,18		.79	1,02	2,11	4,27	56,45	
31	1 1/4"	-20	38	-20	26,0	32,5	58,5	118,5	41,5	HCS-31-BE-38S-M-W5
			1,50		1,02	1,28	2,30	4,67	91,51	

## Related Products and Accessories



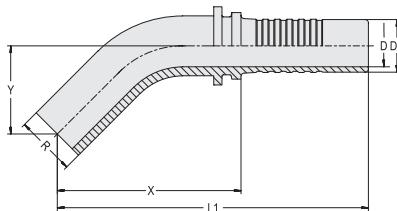
Swage Ferrules

Pages 92-95


[www.stauff.com/4/en/#99](http://www.stauff.com/4/en/#99)

Catalogue 4 • Edition 02/2025

## 45° Elbow Insert with Standpipe Type BES 45° (Heavy Series)



**Connection Type** Standpipe  
**Sealing Type** 24° Cutting Ring  
**Standard** ISO 8434-1, DIN 3861  
**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	R (mm/in)	Dash	D	D1	X	L	Y		
06	1/4"	-04	10	-04	3,9	6,7	52,0	82,0	23,5	3,2	HCS-06-BE-10S-045-M-W5
			.39		.15	.26	2,05	3,23	.93	7,06	
08	5/16"	-05	12	-06	5,4	8,0	62,0	92,0	25,0	4,8	HCS-08-BE-12S-045-M-W5
			.47		.21	.31	2,44	3,62	.98	10,58	
10	3/8"	-06	14	-06	6,5	9,8	53,0	86,5	27,0	5,7	HCS-10-BE-14S-045-M-W5
			.55		.26	.39	2,09	3,41	1,06	12,57	
12	1/2"	-08	16	-08	9,5	12,8	67,5	103,0	30,0	9,6	HCS-12-BE-16S-045-M-W5
			.63		.37	.50	2,66	4,06	1,18	21,17	
16	5/8"	-10	20	-10	12,6	16,0	72,0	111,0	34,0	14,6	HCS-16-BE-20S-045-M-W5
			.79		.50	.63	2,83	4,37	1,34	32,19	
19	3/4"	-12	25	-12	14,8	19,1	87,0	133,0	39,0	24,6	HCS-19-BE-25S-045-M-W5
			.98		.58	.75	3,43	5,24	1,54	54,24	
25	1"	-16	30	-16	20,0	25,9	99,0	154,0	44,0	40,2	HCS-25-BE-30S-045-M-W5
			1.18		.79	1,02	3,90	6,06	1,73	88,64	

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories

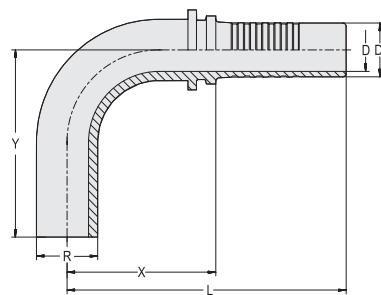


Swage Ferrules

Pages 92-95



**Connection Type** Standpipe  
**Sealing Type** 24° Cutting Ring  
**Standard** ISO 8434-1, DIN 3861  
**Material** Stainless Steel



**90° Elbow Insert with Standpipe  
Type BES 90° (Heavy Series)**



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	R (mm/in)	Dash	D	D1	X	L	Y		
06	1/4"	-04	10	-04	3,9	6,7	30,0	60,0	38,0	3,0	HCS-06-BE-10S-090-M-W5
			.39		.15	.26	1.18	2.36	1.50	6.62	
08	5/16"	-05	12	-06	5,4	8,0	38,0	68,0	41,5	4,8	HCS-08-BE-12S-090-M-W5
			.47		.21	.31	1.50	2.68	1.63	10.58	
10	3/8"	-06	14	-06	6,5	9,8	38,0	77,5	41,5	7,0	HCS-10-BE-14S-090-M-W5
			.55		.26	.39	1.50	3.05	1.63	15.44	
12	1/2"	-08	16	-08	9,5	12,8	60,5	94,0	58,5	8,2	HCS-12-BE-16S-090-M-W5
			.63		.37	.50	2.38	3.70	2.30	18.08	
16	5/8"	-10	20	-10	12,6	16,0	56,5	95,0	66,0	16,7	HCS-16-BE-20S-090-M-W5
			.79		.50	.63	2.22	3.74	2.60	36.82	
19	3/4"	-12	25	-12	14,8	19,1	69,5	115,0	77,0	24,6	HCS-19-BE-25S-090-M-W5
			.98		.58	.75	2.74	4.53	3.03	54.24	
25	1"	-16	30	-16	20,0	25,9	81,0	136,0	89,0	40,2	HCS-25-BE-30S-090-M-W5
			1.18		.79	1.02	3.19	5.35	3.50	88.64	

Abmessung Y  $\pm$  2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95

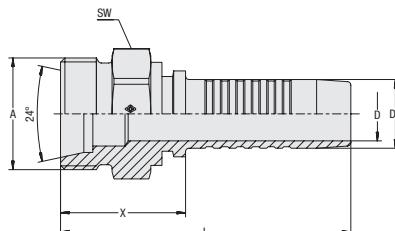


www.stauff.com/4/en/#101

Catalogue 4 • Edition 02/2025

101

## Straight Insert with Male Metric Thread and 24° Conical Bore Type CEL (Light Series)



<b>Connection Type</b>	Male Metric Thread
<b>Sealing Type</b>	24° Conical Bore (Shape W acc. to DIN 3861)
<b>Standard</b>	ISO 8434-1
<b>Material</b>	Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	M14x1,5	-04	3,9 .15	6,7 .26	23,5 .93	53,5 2.11	14 .55	2,4 5,29	HCS-06-CE-08L-M-W5
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	23,5 .93	53,5 2.11	14 .55	2,3 4.96	HCS-06-CE-06L-M-W5
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	23,5 .93	53,5 2.11	14 .55	3,2 6.95	HCS-06-CE-06L-M-W5
06	1/4"	-04	M18x1,5	-06	3,9 .15	6,7 .26	25,5 1.00	55,5 2.19	19 .75	3,5 7.61	HCS-06-CE-12L-M-W5
08	5/16"	-05	M16x1,5	-05	5,4 .21	8,0 .31	24,5 .96	54,5 2.15	17 .67	3,1 6.84	HCS-08-CE-10L-M-W5
08	5/16"	-05	M18x1,5	-06	5,4 .21	8,0 .31	25,5 1.00	55,5 2.19	19 .75	3,6 7.87	HCS-08-CE-12L-M-W5
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,6 .38	25,5 1.00	59,0 2.32	19 .75	4,1 9.04	HCS-10-CE-12L-M-W5
10	3/8"	-06	M16x1,5	-05	6,5 .26	9,6 .38	24,5 .96	58,0 2.28	17 .67	3,7 8.05	HCS-10-CE-10L-M-W5
10	3/8"	-06	M22x1,5	-08	6,5 .26	9,6 .38	27,5 1.08	61,0 2.40	22 .87	5,9 12.90	HCS-10-CE-15L-M-W5
12	1/2"	-08	M22x1,5	-08	9,5 .37	12,8 .50	28,5 1.12	63,5 2.50	22 .87	6,7 14.66	HCS-12-CE-15L-M-W5
12	1/2"	-08	M18x1,5	-06	9,5 .37	12,8 .50	26,5 1.04	62,0 2.44	19 .75	5,0 11.03	HCS-12-CE-12L-M-W5
12	1/2"	-08	M26x1,5	-10	9,5 .37	12,8 .50	29,5 1.16	65,0 2.56	27 1.06	9,2 20.18	HCS-12-CE-18L-M-W5
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	29,5 1.16	67,5 2.66	27 1.06	9,6 21.17	HCS-16-CE-18L-M-W5
19	3/4"	-12	M30x2	-12	14,8 .58	19,1 .75	33,0 1.30	78,5 3.09	30 1.18	13,5 29.77	HCS-19-CE-22L-M-W5
25	1"	-16	M36x2	-16	20,0 .79	25,9 1.02	34,5 1.36	89,5 3.52	36 1.42	23,7 52.26	HCS-25-CE-28L-M-W5
31	1 1/4"	-20	M45x2	-20	26,0 1.02	32,5 1.28	39,5 1.56	99,5 3.92	46 1.81	39,9 87.98	HCS-31-CE-35L-M-W5
38	1 1/2"	-24	M52x2	-24	31,0 1.22	38,9 1.53	42,5 1.67	110,0 4.33	55 2.17	60,1 132.52	HCS-38-CE-42L-M-W5

### Related Products and Accessories



Swage Ferrules

Pages 92-95



ECOVOS Version



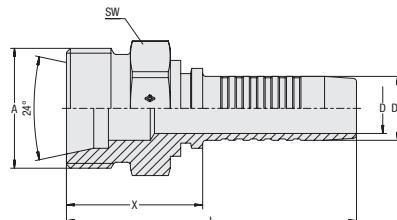
MULTIVOS Version

Page 142



**Connection Type** Male Metric Thread  
**Sealing Type** 24° Conical Bore  
 (Shape W acc. to DIN 3861)  
**Standard** ISO 8434-1  
**Material** Stainless Steel

### Straight Insert with Male Metric Thread and 24° Conical Bore Type CES (Heavy Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	M18x1,5	-04	3,9 .15	6,7 .26	26,5 1.04	56,5 2.22	19 .75	4,1 9,04	HCS-06-CE-10S-M-W5
06	1/4"	-04	M16x1,5	-03	3,9 .15	6,7 .26	25,5 1.00	55,5 2.19	17 .67	3,4 7,50	HCS-06-CE-08S-M-W5
08	5/16"	-05	M20x1,5	-05	5,4 .21	8,0 .31	27,5 1.08	57,5 2.26	22 .87	5,4 11,91	HCS-08-CE-12S-M-W5
08	5/16"	-05	M18x1,5	-04	5,4 .21	8,0 .31	26,5 1.04	56,5 2.22	22 .87	4,3 9,37	HCS-08-CE-10S-M-W5
10	3/8"	-06	M22x1,5	-06	6,5 .26	9,6 .38	29,5 1.16	63,0 2.48	22 .87	6,5 14,33	HCS-10-CE-14S-M-W5
10	3/8"	-06	M20x1,5	-05	6,5 .26	9,6 .38	27,5 1.08	61,0 2.40	22 .87	5,9 13,01	HCS-10-CE-12S-M-W5
10	3/8"	-06	M24x1,5	-08	6,5 .26	9,6 .38	29,5 1.16	63,0 2.48	24 .94	7,2 15,88	HCS-10-CE-16S-M-W5
12	1/2"	-08	M24x1,5	-08	9,5 .37	12,8 .50	30,5 1.20	65,5 2.58	24 .94	8,1 17,75	HCS-12-CE-16S-M-W5
12	1/2"	-08	M30x2	-10	9,5 .37	12,8 .50	34,5 1.36	70,0 2.76	30 1.18	13,4 29,44	HCS-12-CE-20S-M-W5
16	5/8"	-10	M30x2	-10	12,6 .50	16,0 .63	34,5 1.36	72,5 2.85	30 1.18	13,2 29,11	HCS-16-CE-20S-M-W5
19	3/4"	-12	M36x2	-12	14,8 .58	19,1 .75	38,0 1.50	83,5 3.29	36 1.42	20,9 46,08	HCS-19-CE-25S-M-W5
19	3/4"	-12	M30x2	-10	14,8 .58	19,1 .75	35,0 1.38	80,5 3.17	30 1.18	15,3 33,63	HCS-19-CE-20S-M-W5
25	1"	-16	M42x2	-16	20,0 .79	25,9 1.02	42,5 1.67	97,5 3.84	46 1.81	37,50 82,69	HCS-25-CE-30S-M-W5
25	1"	-16	M36x2	-12	20,0 .79	25,9 1.02	38,5 1.52	93,5 3.68	36 1.42	26,30 57,99	HCS-25-CE-25S-M-W5
25	1"	-16	M52x2	-20	20,0 .79	25,9 1.02	46,5 1.83	101,5 4.00	55 2.17	57,15 126,02	HCS-25-CE-38S-M-W5

#### Related Products and Accessories



Swage Ferrules

Pages 92-95



ECOVOS Version

Page 23



MULTIVOS Version

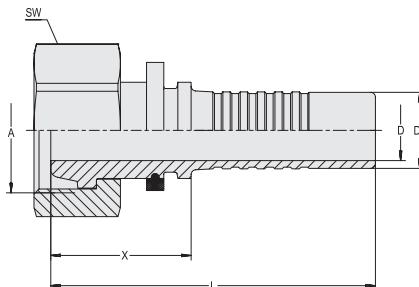
Page 143


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Catalogue 4 • Edition 02/2025

103

**Straight Insert with Female Metric Nut Thread and 24° Taper  
Type DKL (Light Series)**



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper  
**Standard** ISO 8434-1

**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	M14x1,5	-04	3,9 .15	6,7 .26	25,0 .98	55,0 2,17	17 .67	3,5 7,61	HCS-06-DK-08L-S-M-W5
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	19,5 .77	49,5 1,95	17 .67	2,4 5,18	HCS-06-DK-06L-W-M-W5
06	1/4"	-04	M16x1,5	-05	3,9 .15	6,7 .26	26,0 1,02	56,0 2,20	19 .75	4,2 9,26	HCS-06-DK-10L-S-M-W5
08	5/16"	-05	M16x1,5	-05	5,4 .21	8,0 .31	26,0 1,02	56,0 2,20	19 .75	4,4 9,59	HCS-08-DK-10L-S-M-W5
08	5/16"	-05	M14x1,5	-04	5,4 .21	8,0 .31	20,0 .79	50,0 1,97	17 .67	3,3 7,17	HCS-08-DK-08L-W-M-W5
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,6 .38	26,5 1,04	60,0 2,36	22 .87	6,2 13,67	HCS-10-DK-12L-S-M-W5
10	3/8"	-06	M16x1,5	-05	6,5 .26	9,6 .38	20,0 .79	53,5 2,11	19 .75	4,4 9,70	HCS-10-DK-10L-W-M-W5
12	1/2"	-08	M22x1,5	-08	9,5 .37	12,8 .50	26,5 1,04	62,0 2,44	27 1,06	9,4 20,62	HCS-12-DK-15L-S-M-W5
12	1/2"	-08	M18x1,5	-06	9,5 .37	12,8 .50	22,0 .87	57,5 2,26	22 .87	6,6 14,44	HCS-12-DK-12L-W-M-W5
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	29,0 1,14	67,5 2,66	32 1,26	13,5 29,66	HCS-16-DK-18L-S-M-W5
19	3/4"	-12	M30x2	-12	14,8 .58	19,1 .75	33,0 1,30	78,5 3,09	36 1,42	19,8 43,55	HCS-19-DK-22L-S-M-W5
25	1"	-16	M36x2	-16	20,0 .79	25,9 1,02	34,5 1,36	89,5 3,52	41 1,61	29,7 65,49	HCS-25-DK-28L-S-M-W5
31	1 1/4"	-20	M45x2	-20	26,0 1,02	32,5 1,28	41,0 1,61	100,5 3,96	50 1,97	47,9 105,51	HCS-31-DK-35L-S-M-W5
38	1 1/2"	-24	M52x2	-24	31,0 1,22	38,9 1,53	31,0 1,22	98,5 3,88	60 2,36	66,6 146,85	HCS-38-DK-42L-S-M-W5

### Related Products and Accessories



Swage Ferrules

Pages 92-95



45° Version

Page 105



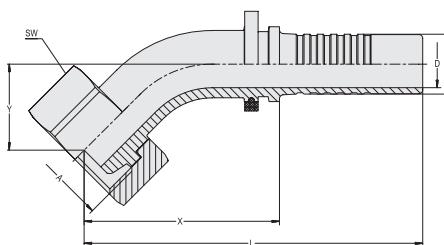
90° Version

Page 106



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper  
**Standard** ISO 8434-1  
**Material** Stainless Steel

### 45° Elbow Insert with Female Metric Nut Thread and 24° Taper Type DKL 45° (Light Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
06	1/4"	-04	M14x1,5	-04	3,9 .15	6,7 .26	36,0 1.42	66,0 2.60	15,0 .59	17 .67	3,8 8.38	HCS-06-DK-08L-045-S-M-W5
08	5/16"	-05	M16x1,5	-05	5,4 .21	8,0 .31	37,5 1.48	67,5 2.66	17,0 .67	19 .75	5,0 11.03	HCS-08-DK-10L-045-S-M-W5
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,6 .38	40,5 1.59	74,0 2.91	17,5 .69	22 .87	7,4 16.21	HCS-10-DK-12L-045-S-M-W5
12	1/2"	-08	M22x1,5	-08	9,5 .37	12,8 .50	45,0 1.77	80,5 3.17	20,0 .79	27 1.06	11,4 25.03	HCS-12-DK-15L-045-S-M-W5
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	52,0 2.05	90,5 3.56	23,0 .91	32 1.26	16,5 36.38	HCS-16-DK-18L-045-S-M-W5
19	3/4"	-12	M30x2	-12	14,8 .58	19,1 .75	68,0 2.68	113,5 4.47	26,0 1.02	36 1.42	26,7 58.87	HCS-19-DK-22L-045-S-M-W5

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 104



90° Version

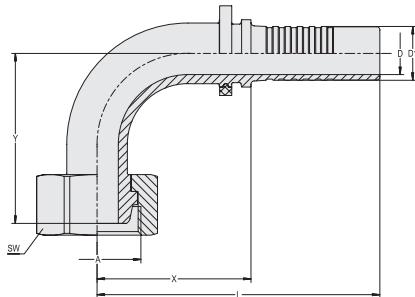
Page 106



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Catalogue 4 • Edition 02/2025

## 90° Elbow Insert with Female Metric Nut Thread and 24° Taper Type DKL 90° (Light Series)



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper  
**Standard** ISO 8434-1

**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/bs) ca.	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	per 100	
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	25,0 .98	55,0 2.17	32,5 1.28	14 .55	3,5 7.61	HCS-06-DK-06L-090-W-M-W5
06	1/4"	-04	M14x1,5	-04	3,9 .15	6,7 .26	29,0 1.14	59,0 2.32	29,0 1.14	17 .67	4,1 8.93	HCS-06-DK-08L-090-S-M-W5
08	5/16"	-05	M16x1,5	-05	5,4 .21	8,0 .31	31,5 1.24	61,5 2.42	29,0 1.14	19 .75	5,5 12.13	HCS-08-DK-10L-090-S-M-W5
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,6 .38	36,5 1.44	70,0 2.76	36,0 1.42	22 .87	8,5 18.74	HCS-10-DK-12L-090-S-M-W5
12	1/2	-08	M22x1,5	-08	9,5 .37	12,8 .50	41,0 1.61	76,5 3.01	41,0 1.61	27 1.06	13,1 28.89	HCS-12-DK-15L-090-S-M-W5
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	45,5 1.79	84,0 3.31	50,5 1.99	32 1.26	19,0 41.78	HCS-16-DK-18L-090-S-M-W5
19	3/4"	-12	M30x2	-12	14,8 .58	19,1 .75	57,0 2.24	103,0 4.06	58,0 2.28	36 1.42	30,8 67.80	HCS-19-DK-22L-090-S-M-W5

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 104



45° Version

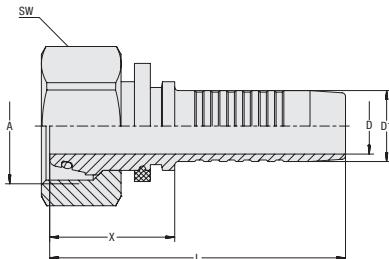
Page 105



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper / O-Ring  
**Standard** ISO 8434-1

**Material** Stainless Steel  
**Sealing Material** FKM (Viton®)

### Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOL (Light Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	M14x1,5	-04	3,9 .15	6,7 .26	27,0 1.06	57,0 2.24	17 .67	3,5 7.72	HCS-06-DKO-08L-S-OR-V-M-W5
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	21,0 83	51,0 2.01	14 .55	2,35 5.18	HCS-06-DKO-06L-W-OR-V-M-W5
06	1/4"	-04	M16x1,5	-05	3,9 .15	6,7 .26	28,5 1.12	58,5 2.30	19 .75	4,3 9.48	HCS-06-DKO-10L-S-OR-V-M-W5
06	1/4"	-04	M18x1,5	-06	3,9 .15	6,7 .26	29,0 1.14	59,0 2.32	22 .87	5,5 12.13	HCS-06-DKO-12L-S-OR-V-M-W5
08	5/16"	-05	M16x1,5	-05	5,4 .21	8,0 .31	28,5 1.12	58,5 2.30	19 .75	4,4 9.70	HCS-08-DKO-10L-S-OR-V-M-W5
08	5/16"	-05	M14x1,5	-04	5,4 .21	8,0 .31	22,0 .87	52,0 2.05	17 .67	3,3 7.28	HCS-08-DKO-08L-W-OR-V-M-W5
08	5/16"	-05	M18x1,5	-06	5,4 .21	8,0 .31	30,0 1.18	60,0 2.36	22 .87	5,8 12.68	HCS-08-DKO-12L-S-OR-V-M-W5
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,8 .39	29,0 1.14	62,5 2.46	22 .87	6,3 13.89	HCS-10-DKO-12L-S-OR-V-M-W5
10	3/8"	-06	M16x1,5	-05	6,5 .26	9,8 .39	22,5 .89	56,0 2.20	19 .75	4,6 10.14	HCS-10-DKO-10L-W-OR-V-M-W5
10	3/8"	-06	M22x1,5	-08	6,5 .26	9,8 .39	30,5 1.20	64,0 2.52	27 1.06	8,9 19.51	HCS-10-DKO-15L-S-OR-V-M-W5
12	1/2"	-08	M22x1,5	-08	9,5 .37	12,8 .50	28,5 1.12	64,0 2.52	27 1.06	9,4 20.62	HCS-12-DKO-15L-S-OR-V-M-W5
12	1/2"	-08	M18x1,5	-06	9,5 .37	12,8 .50	24,0 .94	59,5 2.34	22 .87	6,6 14.55	HCS-12-DKO-12L-W-OR-V-M-W5
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	31,5 1.24	70,0 2.76	32 1.26	13,6 29.88	HCS-12-DKO-18L-S-OR-V-M-W5
19	3/4"	-12	M30x2	-12	14,8 .58	19,1 .75	33,0 1.30	78,5 3.09	36 1.42	18,0 39.58	HCS-19-DKO-22L-S-OR-V-M-W5
19	3/4"	-12	M26x1,5	-10	14,8 .58	19,1 .75	25,5 1.00	71,5 2.81	32 1.26	14,6 32.19	HCS-19-DKO-18L-W-OR-V-M-W5
19	3/4"	-12	M36x2	-16	14,8 .58	19,1 .75	34,0 1.34	80,0 3.15	41 1.61	26,8 58.98	HCS-19-DKO-28L-S-OR-V-M-W5
25	1"	-16	M36x2	-16	20,0 .79	25,9 1.02	36,5 1.44	91,5 3.60	41 1.61	30,4 66.92	HCS-25-DKO-28L-S-OR-V-M-W5
31	1 1/4"	-20	M45x2	-20	26,0 1.02	32,5 1.28	41,0 1.61	100,5 3.96	50 1.97	45,20 99.67	HCS-31-DKO-35L-S-OR-V-M-W5
38	1 1/2"	-24	M52x2	-24	31,0 1.22	38,9 1.53	35,5 1.40	103,0 4.06	60 2.36	68,35 150.71	HCS-38-DKO-42L-S-OR-V-M-W5

#### Related Products and Accessories



Swage Ferrules

Pages 92-95



45° Version

Page 108



ECOVOS Version

Pages 24-25



90° Version

Page 109



MULTIVOS Version

Page 144

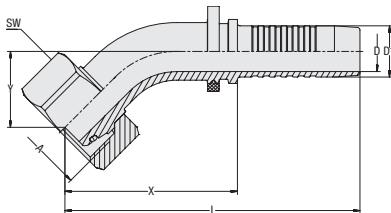


www.stauff.com/4/en/#107

Catalogue 4 • Edition 02/2025

107

## 45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOL 45° (Light Series)



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper / O-Ring  
**Standard** ISO 8434-1  
**Material** Stainless Steel  
**Sealing Material** FKM (Viton®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca.	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	per 100	
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	36,5 1,44	66,5 2,62	18,0 .71	14 .55	3,2 6,95	HCS-06-DKO-06L-045-W-OR-V-M-W5
06	1/4"	-04	M14x1,5	-04	3,9 .15	6,7 .26	37,0 1,46	67,0 2,64	17,0 .67	17 .67	3,8 8,38	HCS-06-DKO-08L-045-S-OR-V-M-W5
06	1/4"	-04	M16x1,5	-05	3,9 .15	6,7 .26	39,0 1,54	69,0 2,72	19,0 .75	19 .75	5,0 11,03	HCS-06-DKO-10L-045-S-OR-V-M-W5
08	5/16"	-05	M16x1,5	-05	5,4 .21	8,0 .31	39,0 1,54	69,0 2,72	19,0 .75	19 .75	5,1 11,25	HCS-08-DKO-10L-045-S-OR-V-M-W5
08	5/16"	-05	M18x1,5	-06	5,4 .21	8,0 .31	40,0 1,57	70,0 2,76	18,0 .71	22 .87	6,3 13,89	HCS-08-DKO-12L-045-S-OR-V-M-W5
10	3/8"	-06	M16x1,5	-05	6,5 .26	9,8 .39	43,5 1,71	77,0 3,03	19,5 .77	19 .75	6,6 14,44	HCS-10-DKO-10L-045-W-OR-V-M-W5
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,8 .39	41,5 1,63	74,5 2,93	17,5 .69	22 .87	7,4 16,21	HCS-10-DKO-12L-045-S-OR-V-M-W5
10	3/8"	-06	M22x1,5	-08	6,5 .26	9,8 .39	41,5 1,63	74,5 2,93	17,5 .69	27 1,06	9,8 21,65	HCS-10-DKO-15L-045-S-OR-V-M-W5
12	1/2"	-08	M22x1,5	-08	9,5 .37	12,8 .50	47,0 1,85	82,0 3,23	21,5 .85	27 1,06	11,3 24,81	HCS-12-DKO-15L-045-S-OR-V-M-W5
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	54,0 2,13	92,0 3,62	24,0 .94	32 1,26	16,5 36,38	HCS-16-DKO-18L-045-S-OR-V-M-W5
19	3/4"	-12	M30x2	-12	14,8 .58	19,1 .75	67,0 2,64	113,0 4,45	25,5 1,00	36 1,42	26,4 58,21	HCS-19-DKO-22L-045-S-OR-V-M-W5
25	1"	-16	M36x2	-16	20,0 .79	25,9 1,02	80,0 1,02	135,0 3,92	33,0 6,28	41 1,56	43,4 159,31	HCS-25-DKO-28L-045-S-OR-V-M-W5
31	1 1/4"	-20	M45x2	-20	26,0 1,02	32,5 1,28	99,5 3,92	159,5 6,28	39,5 1,56	50 1,97	72,3 159,31	HCS-31-DKO-35L-045-S-OR-V-M-W5
38	1 1/2"	-24	M52x2	-24	31,0 1,22	38,9 1,53	108,5 4,27	176,0 6,93	41,0 1,61	60 2,36	103,7 228,66	HCS-38-DKO-42L-045-S-OR-V-M-W5

Dimension Y  $\pm 2,5$  mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 107



ECOVOS Version

Pages 26-27



90° Version

Page 109



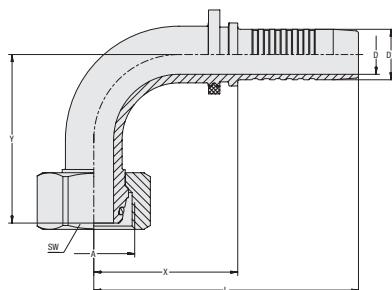
MULTIVOS Version

Page 145



<b>Connection Type</b>	Female Metric Nut Thread
<b>Sealing Type</b>	24° Taper / O-Ring
<b>Standard</b>	ISO 8434-1
<b>Material</b>	Stainless Steel
<b>Sealing Material</b>	FKM (Viton®)

### 90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOL 90° (Light Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca.	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	per 100	
06	1/4"	-04	M12x1,5	-03	3,9 .15	6,7 .26	25,0 .98	55,0 2,17	33,0 1,30	14 .55	3,4 7,50	HCS-06-DKO-06L-090-W-OR-V-M-W5
06	1/4"	-04	M14x1,5	-04	3,9 .15	6,7 .26	29,5 1,16	59,5 2,34	30,0 1,18	17 .67	4,1 9,04	HCS-06-DKO-08L-090-S-OR-V-M-W5
06	1/4"	-04	M16x1,5	-05	3,9 .15	6,7 .26	31,0 1,22	61,0 2,40	32,5 1,28	19 .75	5,5 12,13	HCS-06-DKO-10L-090-S-OR-V-M-W5
06	1/4"	-04	M18x1,5	-06	3,9 .15	6,7 .26	30,5 1,20	60,5 2,38	34,5 1,36	22 .87	6,8 14,99	HCS-06-DKO-12L-090-S-OR-V-M-W5
08	5/16"	-05	M16x1,5	-05	5,4 .21	8,0 .31	31,0 1,22	61,0 2,40	32,5 1,28	19 .75	5,5 12,13	HCS-08-DKO-10L-090-S-OR-V-M-W5
08	5/16"	-05	M18x1,5	-06	5,4 .21	8,0 .31	31,0 1,22	61,0 2,40	33,0 1,30	22 .87	6,8 14,99	HCS-08-DKO-12L-090-S-OR-V-M-W5
10	3/8"	-06	M16x1,5	-05	6,5 .26	9,8 .39	38,0 1,50	71,5 2,81	39,0 1,54	19 .75	7,7 16,98	HCS-10-DKO-10L-090-W-OR-V-M-W5
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,8 .39	37,5 1,48	71,0 2,80	37,5 1,48	22 .87	8,6 18,96	HCS-10-DKO-12L-090-S-OR-V-M-W5
10	3/8"	-06	M22x1,5	-08	6,5 .26	9,8 .39	39,0 1,54	72,5 2,85	38,5 1,52	27 1,06	11,3 24,92	HCS-10-DKO-15L-090-S-OR-V-M-W5
12	1/2"	-08	M18x1,5	-06	9,5 .37	12,8 .50	40,5 1,59	76,0 2,99	47,5 1,69	22 1,06	11,4 25,14	HCS-12-DKO-12L-090-W-OR-V-M-W5
12	1/2"	-08	M22x1,5	-08	9,5 .37	12,8 .50	40,5 1,59	76,0 2,99	43,0 1,69	27 1,06	13,1 28,78	HCS-12-DKO-15L-090-S-OR-V-M-W5
16	5/8"	-10	M26x1,5	-10	12,6 .50	16,0 .63	46,0 1,81	84,0 3,31	53,5 2,11	32 1,26	19,1 42,12	HCS-16-DKO-18L-090-S-OR-V-M-W5
19	3/4"	-12	M30x2	-12	14,8 .58	19,1 .75	57,0 2,24	103,0 4,06	57,0 2,24	36 1,42	30,4 67,03	HCS-19-DKO-22L-090-S-OR-V-M-W5
25	1"	-16	M36x2	-16	20,0 .79	25,9 1,02	72,0 2,83	127,0 5,00	65,0 2,56	41 1,61	50,0 110,25	HCS-25-DKO-28L-090-S-OR-V-M-W5
31	1 1/4"	-20	M45x2	-20	26,0 1,02	32,5 1,28	90,5 3,56	150,5 5,93	81,0 3,19	50 1,97	85,3 187,98	HCS-31-DKO-35L-090-S-OR-V-M-W5
38	1 1/2"	-24	M52x2	-24	31,0 1,22	38,9 1,53	101,0 3,98	168,5 6,63	88,0 3,46	60 2,36	121,1 267,03	HCS-38-DKO-42L-090-S-OR-V-M-W5

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 107



ECOVOS Version

Pages 28-29



45° Version

Page 108



MULTIVOS Version

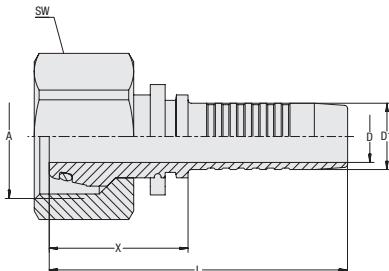
Page 146



[www.stauff.com/4/en/#109](http://www.stauff.com/4/en/#109)

Catalogue 4 • Edition 02/2025

## Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOS (Heavy Series)



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper / O-Ring  
**Standard** ISO 8434-1

**Material** Stainless Steel  
**Sealing Material** FKM (Viton®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (*g/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	M18x1,5	-04	3,9 .15	6,7 .26	28,5 1.12	58,5 2.30	22 .87	5,6 12,35	HCS-06-DKO-10S-S-OR-V-M-W5
06	1/4"	-04	M14x1,5	-02	3,9 .15	6,7 .26	26,0 1.02	56,0 2.20	17 .67	3,6 7,94	HCS-06-DKO-06S-S-OR-V-M-W5
06	1/4"	-04	M16x1,5	-03	3,9 .15	6,7 .26	27,0 1.06	57,0 2.24	19 .75	4,1 9,04	HCS-06-DKO-08S-W-OR-V-M-W5
06	1/4"	-04	M20x1,5	-05	3,9 .15	6,7 .26	29,0 1.14	59,0 2.32	24 .94	6,5 14,33	HCS-06-DKO-12S-S-OR-V-M-W5
08	5/16"	-05	M20x1,5	-05	5,4 .21	8,0 .31	30,0 1.18	60,0 2.36	24 .94	6,8 14,88	HCS-08-DKO-12S-S-OR-V-M-W5
08	5/16"	-05	M16x1,5	-03	5,4 .21	8,0 .31	23,0 .91	53,0 2.09	19 .75	4,3 9,37	HCS-08-DKO-08S-W-OR-V-M-W5
08	5/16"	-05	M18x1,5	-04	5,4 .21	8,0 .31	28,5 1.12	58,5 2.30	22 .87	5,7 12,57	HCS-08-DKO-10S-W-OR-V-M-W5
10	3/8"	-06	M22x1,5	-06	6,5 .26	9,6 .38	30,5 1.20	64,0 2.52	27 1.06	9,8 21,61	HCS-10-DKO-14S-S-OR-V-M-W5
10	3/8"	-06	M18x1,5	-04	6,5 .26	9,6 .38	25,0 .98	58,5 2.30	22 .87	6,2 13,56	HCS-10-DKO-10S-W-OR-V-M-W5
10	3/8"	-06	M20x1,5	-05	6,5 .26	9,8 .39	29,0 1.14	62,5 2.46	24 .94	7,3 16,10	HCS-10-DKO-12S-W-OR-V-M-W5
10	3/8"	-06	M24x1,5	-08	6,5 .26	9,6 .38	32,0 1.26	65,5 2.58	30 1.18	11,9 26,24	HCS-10-DKO-16S-S-OR-V-M-W5
12	1/2"	-08	M24x1,5	-08	9,5 .37	12,8 .50	32,0 1.26	67,5 2.66	30 1.18	12,7 28,00	HCS-12-DKO-16S-S-OR-V-M-W5
12	1/2"	-08	M20x1,5	-05	9,5 .37	12,8 .50	25,0 .98	60,5 2.38	24 .94	7,8 17,09	HCS-12-DKO-12S-W-OR-V-M-W5
12	1/2"	-08	M30x2	-10	9,5 .37	12,8 .50	35,5 1.40	71,0 2.80	36 1.42	19,6 43,22	HCS-12-DKO-20S-S-OR-V-M-W5
16	5/8"	-10	M30x2	-10	12,6 .50	16,0 .63	35,5 1.40	74,0 2.91	36 1.42	19,5 42,89	HCS-16-DKO-20S-S-OR-V-M-W5
16	5/8"	-10	M24x1,5	-08	12,6 .50	16,0 .63	26,5 1.04	65,0 2.56	30 1.18	13,1 28,89	HCS-16-DKO-16S-W-OR-V-M-W5
16	5/8"	-10	M36x2	-12	12,6 .50	16,0 .63	36,5 1.44	75,0 2.95	41 1.61	34,6 76,29	HCS-16-DKO-25S-S-OR-V-M-W5
19	3/4"	-12	M36x2	-12	14,8 .58	19,1 .75	37,0 1.46	83,0 3.27	41 1.61	35,50 78,28	HCS-19-DKO-25S-S-OR-V-M-W5
19	3/4"	-12	M30x2	-10	14,8 .58	19,1 .75	32,0 1.26	78,0 3.07	36 1.42	22,15 48,84	HCS-19-DKO-20S-W-OR-V-M-W5
19	3/4"	-12	M42x2	-16	14,8 .58	19,1 .75	41,0 1.61	87,0 3.43	50 1.97	45,55 100,44	HCS-19-DKO-30S-S-OR-V-M-W5
25	1"	-16	M42x2	-16	20,0 .79	25,9 1.02	42,0 1.65	97,0 3.82	50 1.97	47,25 104,19	HCS-25-DKO-30S-S-OR-V-M-W5
25	1"	-16	M36x2	-12	20,0 .79	25,9 1.02	34,0 1.34	89,0 3.50	41 1.61	34,45 75,96	HCS-25-DKO-25S-W-OR-V-M-W5
31	1 1/4"	-20	M52x2	-20	26,0 1.02	32,5 1.28	47,0 1.85	107,0 4.21	60 2.36	72,35 159,53	HCS-31-DKO-38S-S-OR-V-M-W5

### Related Products and Accessories



Swage Ferrules

Pages 92-95



45° Version

Page 111



ECOVOS Version

Pages 30-31



90° Version

Page 112



MULTIVOS Version

Page 147



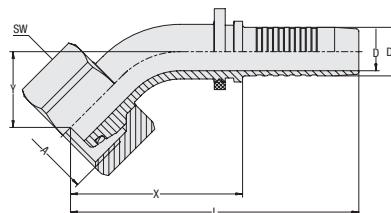
POWERVOS Version

Page 180



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper / O-Ring  
**Standard** ISO 8434-1  
**Material** Stainless Steel  
**Sealing Material** FKM (Viton®)

### 45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOS 45° (Heavy Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
06	1/4"	-04	M14x15	-02	3,9 .15	6,7 .26	37,0 1.46	67,0 2.64	17,0 .67	17 .67	4,0 8.82	HCS-06-DKO-06S-045-W-OR-V-M-W5
06	1/4"	-04	M16x1,5	-03	3,9 .15	6,7 .26	37,0 1.46	67,0 2.64	17,0 .67	19 .75	4,4 9.70	HCS-06-DKO-08S-045-S-OR-V-M-W5
06	1/4"	-04	M18x1,5	-04	3,9 .15	6,7 .26	39,0 1.54	69,0 2.72	19,0 .75	22 .87	6,3 13.89	HCS-06-DKO-10S-045-S-OR-V-M-W5
08	5/16"	-05	M20x1,5	-05	5,4 .21	8,0 .31	40,0 1.57	70,0 2.76	18,0 .71	24 .94	7,4 16.32	HCS-08-DKO-12S-045-S-OR-V-M-W5
10	3/8"	-06	M20x1,5	-05	6,5 .26	9,8 .39	41,5 1.63	74,5 2.93	17,5 .69	24 .94	8,4 18.41	HCS-10-DKO-12S-045-S-OR-V-M-W5
10	3/8"	-06	M22x1,5	-06	6,5 .26	9,8 .39	46,0 1.81	79,0 3.11	20,0 .79	27 1.06	11,2 24.70	HCS-10-DKO-14S-045-S-OR-V-M-W5
12	1/2"	-08	M24x1,5	-08	9,5 .37	12,8 .50	50,5 1.99	86,0 3.39	24,0 .94	30 1.18	14,9 32.85	HCS-12-DKO-16S-045-S-OR-V-M-W5
16	5/8"	-10	M30x2	-10	12,6 .50	16,0 .63	56,5 2.22	95,0 3.74	25,0 .98	36 1.42	22,3 49.17	HCS-16-DKO-20S-045-S-OR-V-M-W5
19	3/4"	-12	M36x2	-12	14,8 .58	19,1 .75	66,0 2.60	111,5 4.39	29,0 1.14	46 1.81	41,4 91.29	HCS-19-DKO-25S-045-S-OR-V-M-W5
25	1"	-16	M42x2	-16	20,0 .79	25,9 1.02	83,0 3.27	138,0 5.43	36,5 1.44	50 1.97	60,1 132.52	HCS-25-DKO-30S-045-S-OR-V-M-W5
31	1 1/4"	-20	M52x2	-20	26,0 1.02	32,5 1.28	101,5 4.00	161,5 6.36	41,5 1.63	60 2.36	93,8 206.72	HCS-31-DKO-38S-045-S-OR-V-M-W5

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 110



ECOVOS Version

Pages 32-33



90° Version

Page 112



MULTIVOS Version

Page 148

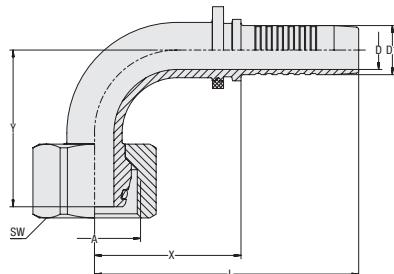


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Catalogue 4 • Edition 02/2025

111

**90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring  
Type DKOS 90° (Heavy Series)**



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper / O-Ring  
**Standard** ISO 8434-1

**Material** Stainless Steel  
**Sealing Material** FKM (Viton®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
06	1/4"	-04	M14x1,5	-02	3,9 .15	6,7 .26	33,5 1,32	63,5 2,50	29,0 1,14	.17 .67	4,3 9,48	HCS-06-DKO-06S-090-W-OR-V-M-W5
06	1/4"	-04	M16x1,5	-03	3,9 .15	6,7 .26	29,5 1,16	59,5 2,34	30,0 1,18	.19 .75	4,7 10,36	HCS-06-DKO-08S-090-S-OR-V-M-W5
06	1/4"	-04	M18x1,5	-04	3,9 .15	6,7 .26	31,0 1,22	61,0 2,40	32,5 1,28	.22 .87	6,8 14,99	HCS-06-DKO-10S-090-S-OR-V-M-W5
06	1/4"	-04	M20x1,5	-05	3,9 .15	6,7 .26	30,5 1,20	60,5 2,38	34,5 1,36	.24 .94	7,8 17,09	HCS-06-DKO-12S-090-S-OR-V-M-W5
08	5/16"	-05	M20x1,5	-05	5,4 .21	8,0 .31	31,0 1,22	61,0 2,40	33,0 1,30	.24 .94	7,9 17,42	HCS-08-DKO-12S-090-S-OR-V-M-W5
10	3/8"	-06	M20x1,5	-05	6,5 .26	9,8 .39	37,5 1,48	71,0 2,80	37,5 1,48	.24 .94	9,6 21,17	HCS-10-DKO-12S-090-S-OR-V-M-W5
10	3/8"	-06	M22x1,5	-06	6,5 .26	9,8 .39	38,5 1,52	72,0 2,83	40,0 1,57	.27 1,06	12,4 27,23	HCS-10-DKO-14S-090-S-OR-V-M-W5
12	1/2"	-08	M24x1,5	-08	9,5 .37	12,8 .50	40,0 1,57	75,5 2,97	47,0 1,85	.30 1,18	16,4 36,16	HCS-12-DKO-16S-090-S-OR-V-M-W5
12	1/2"	-08	M30x2	-10	9,5 .37	12,8 .50	40,0 1,57	75,5 2,97	48,5 1,91	.30 1,18	22,8 50,16	HCS-12-DKO-20S-090-S-OR-V-M-W5
16	5/8"	-10	M30x2	-10	12,6 .50	16,0 .63	48,0 1,89	86,0 3,39	53,0 2,09	.36 1,42	24,5 54,02	HCS-16-DKO-20S-090-S-OR-V-M-W5
19	3/4"	-12	M30x2	-10	14,8 .58	19,1 .75	57,0 2,24	103,0 4,06	61,0 2,40	.36 1,42	34,8 76,62	HCS-19-DKO-20S-090-W-OR-V-M-W5
19	3/4"	-12	M36x2	-12	14,8 .58	19,1 .75	57,0 2,24	102,5 4,04	58,5 2,30	.46 1,81	45,6 100,44	HCS-19-DKO-25S-090-S-OR-V-M-W5
25	1"	-16	M42x2	-16	20,0 .79	25,9 1,02	70,5 2,78	125,5 4,94	74,0 2,91	.50 1,97	67,9 149,61	HCS-25-DKO-30S-090-S-OR-V-M-W5
31	1 1/4"	-20	M52x2	-20	26,0 1,02	32,5 1,28	88,0 3,46	147,5 5,81	87,0 3,43	.60 2,36	106,7 235,27	HCS-31-DKO-38S-090-S-OR-V-M-W5

Dimension Y  $\pm 2,5$  mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 110



ECOVOS Version

Pages 34-35



45° Version

Page 111



MULTIVOS Version

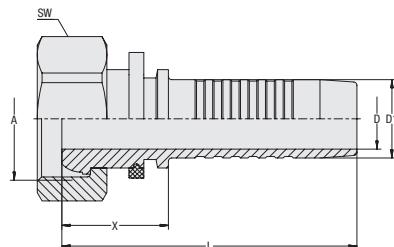
Page 149



Straight Insert with Female Metric Nut Thread and Metal Seat  
 Type DKK

**Connection Type** Female Metric Nut Thread  
**Sealing Type** 60° Metal Seat (suitable for bore type Y)  
**Standard** DIN 3863-B

**Material** Stainless Steel



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
19	3/4"	-12	M30x1,5	-12	14,8 .58	19,1 .75	26,0 1.02	72,0 2.83	36 1.42	18,3 40.35	HCS-19-DKK-22LL-S-M-W5
19	3/4"	-12	M38x1,5	-16	14,8 .58	19,1 .75	26,0 1.02	72,0 2.83	46 1.81	25,3 55.79	HCS-19-DKK-28LL-S-M-W5
25	1"	-16	M38x1,5	-16	20,0 .79	25,9 1.02	27,0 1.06	82,0 3.23	46 1.81	30,0 66.15	HCS-25-DKK-28LL-S-M-W5
31	1 1/4"	-20	M45x1,5	-20	26,0 1.02	32,5 1.28	28,0 1.10	88,0 3.46	50 1.97	37,5 82.69	HCS-31-DKK-35LL-S-M-W5
38	1 1/2"	-24	M52x1,5	-24	31,0 1.22	38,9 1.53	28,5 1.12	96,0 3.78	60 2.36	57,8 127.45	HCS-38-DKK-42LL-S-M-W5
51	2"	-32	M65x2	-32	40,0	51,6	32,5	107,5	75	116,4	HCS-51-DKK-50LL-S-M-W5
						2.03	1.28	4.23	2.95	256.66	

## Related Products and Accessories



Swage Ferrules

Pages 92-95



90° Version

Page 114



ECOVOS Version

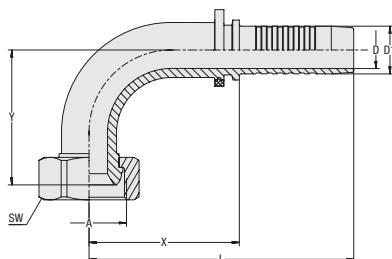
Page 44


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Catalogue 4 • Edition 02/2025

113

## 90° Elbow Insert with Female Metric Thread and Metal Seat Type DKK 90°



**Connection Type** Female Metric Nut Thread  
**Sealing Type** 60° Metal Seat (suitable for bore type Y)  
**Standard** DIN 3863-B  
**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
19	3/4"	-12	M30x1,5	-12	14,8	19,1	60,0	106,0	54,0	36	30,4	HCS-19-DKK-22LL-090-S-M-W5
					.58	.75	2.36	4.17	2.13	1.42	67.03	
25	1"	-16	M38x1,5	-16	20,0	25,9	78,0	133,0	71,0	46	55,3	HCS-25-DKK-28LL-090-S-M-W5
					.79	1.02	3.07	5.24	2.80	1.81	121.83	
31	1 1/4"	-20	M45x1,5	-20	26,0	32,5	102,0	162,0	81,0	50	83,7	HCS-31-DKK-35LL-090-S-M-W5
					1.02	1.28	4.02	6.38	3.19	1.97	184.56	
38	1 1/2"	-24	M52x1,5	-24	31,0	38,9	112,5	180,0	108,5	60	141,7	HCS-38-DKK-42LL-090-S-M-W5
					1.22	1.53	4.43	7.09	4.27	2.36	312.34	
51	2"	-32	M65x2	-32	40,0	51,6	134,0	209,0	122,0	75	226,1	HCS-51-DKK-50LL-090-S-M-W5
					1.57	2.03	5.28	8.23	4.80	2.95	498.55	

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

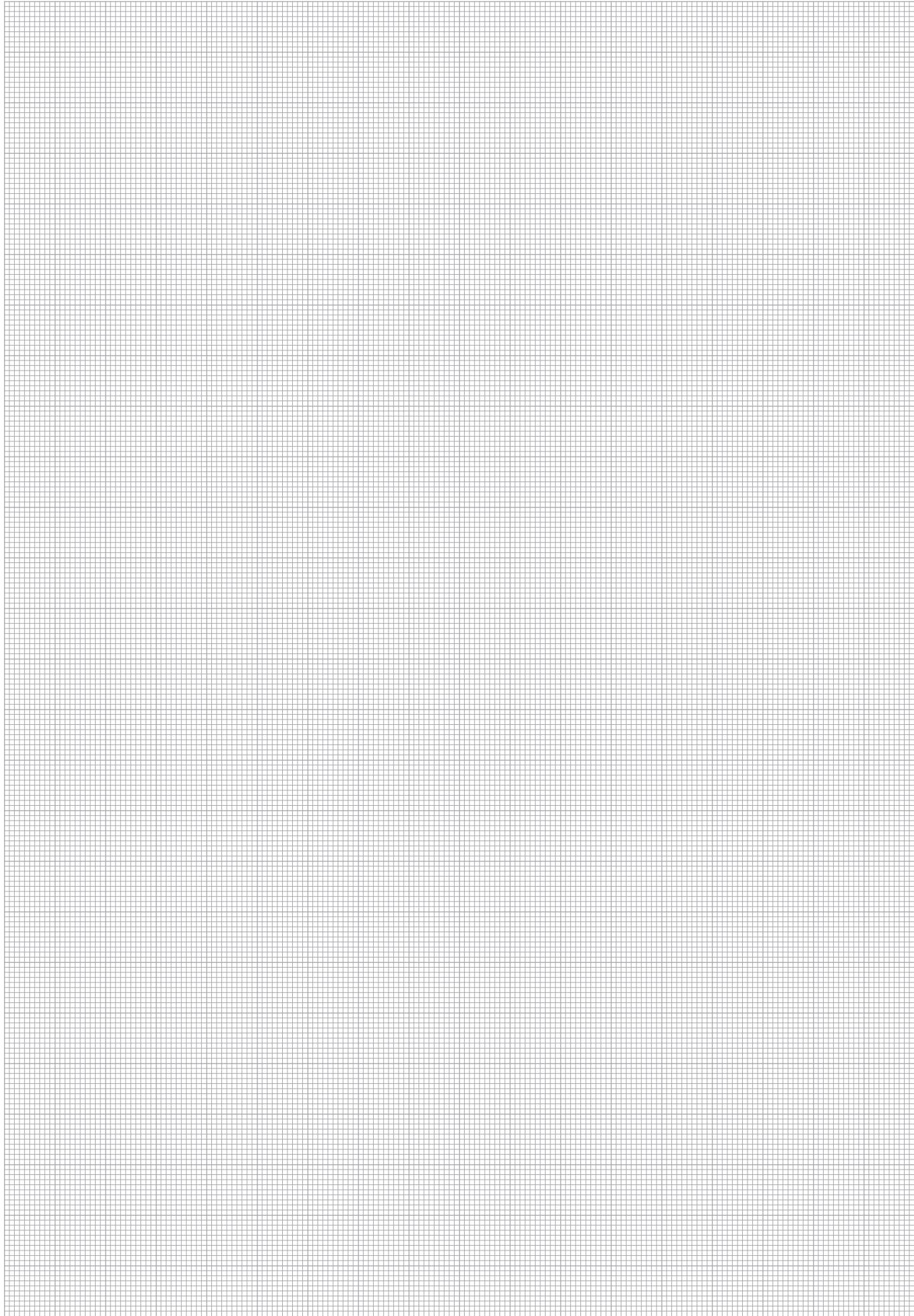
Page 113



ECOVOS Version

Page 46





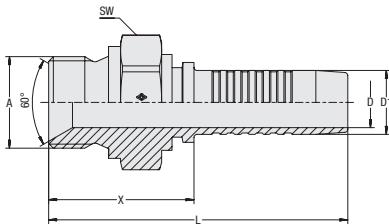
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Catalogue 4 • Edition 02/2025

115

## Straight Insert with Male BSPP Thread and 60° Conical Bore Type AGR



**Connection Type** Male BSPP Thread  
**Sealing Type** 60° Conical Bore  
**Standard** ISO 8434-6, BS 5200

**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-03	G1/4"	-04	3,9 .15	6,7 .26	29,0 1.14	59,0 2.32	19 .75	3,9 8,60	HCS-06-AGR-04-M-W5
06	1/4"	-03	G1/8"	-03	3,9 .15	6,7 .26	23,5 .93	53,5 2.11	14 .55	2,2 4.85	HCS-06-AGR-03-M-W5
06	1/4"	-03	G3/8"	-06	3,9 .15	6,7 .26	30,5 1.20	60,5 2.38	22 .87	5,4 11.91	HCS-06-AGR-06-M-W5
08	5/16"	-05	G1/4"	-04	5,4 .21	8,0 .31	29,0 1.14	59,0 2.32	19 .75	4,1 9.04	HCS-08-AGR-04-M-W5
08	5/16"	-05	G3/8"	-06	5,4 .21	8,0 .31	30,5 1.20	60,5 2.38	22 .87	5,6 12.35	HCS-08-AGR-06-M-W5
10	3/8"	-06	G3/8"	-06	6,5 .26	9,6 .38	30,5 1.20	63,5 2.50	22 .87	6,3 13.89	HCS-10-AGR-06-M-W5
10	3/8"	-06	G1/4"	-04	6,5 .26	9,6 .38	29,0 1.14	62,0 2.44	19 .75	4,6 10.14	HCS-10-AGR-04-M-W5
10	3/8"	-06	G1/2"	-08	6,5 .26	9,6 .38	34,0 1.34	67,0 2.64	27 1.06	9,1 20.07	HCS-10-AGR-08-M-W5
12	1/2"	-06	G1/2"	-08	9,5 .37	12,8 .50	34,5 1.36	70,0 2.76	27 1.06	10,3 22.60	HCS-12-AGR-08-M-W5
12	1/2"	-08	G3/8"	-06	9,5 .37	12,8 .50	31,5 1.24	66,5 2.62	22 .87	6,8 14.99	HCS-12-AGR-06-M-W5
12	1/2"	-08	G3/4"	-12	9,5 .37	12,8 .50	37,5 1.48	72,5 2.85	32 1.26	13,5 29.77	HCS-12-AGR-12-M-W5
16	5/8"	-10	G1/2"	-08	12,6 .50	16,0 .63	34,5 1.36	73,0 2.87	30 1.18	10,3 22.71	HCS-16-AGR-08-M-W5
16	5/8"	-10	G3/4"	-12	12,6 .50	16,0 .63	37,5 1.48	76,0 2.99	32 1.26	14,2 31.31	HCS-16-AGR-12-M-W5
19	3/4"	-12	G3/4"	-12	14,8 .58	19,1 .75	38,0 1.50	84,0 3.31	32 1.26	17,0 37.49	HCS-19-AGR-12-M-W5
19	3/4"	-12	G1"	-16	14,8 .58	19,1 .75	42,0 1.65	88,0 3.46	41 1.61	24,8 54.68	HCS-19-AGR-16-M-W5
25	1"	-16	G1"	-16	20,0 .79	25,9 1.02	43,5 1.71	98,5 3.88	41 1.61	31,7 69.90	HCS-25-AGR-16-M-W5
25	1"	-16	G1 1/4"	-20	20,0 .79	25,9 1.02	45,5 1.79	100,5 3.96	50 1.97	41,0 90.41	HCS-25-AGR-20-M-W5
31	1 1/4"	-20	G1 1/4"	-20	26,0 1.02	32,5 1.28	46,5 1.83	106,5 4.19	50 1.97	48,7 107.38	HCS-31-AGR-20-M-W5
31	1 1/4"	-20	G1"	-16	26,0 1.02	32,5 1.28	44,0 1.73	104,0 4.09	41 1.61	38,0 83.79	HCS-31-AGR-16-M-W5
38	1 1/2"	-24	G1 1/2"	-24	31,0 1.22	38,9 1.53	53,0 2.09	120,5 4.74	55 2.17	71,0 156.56	HCS-38-AGR-24-M-W5
51	2"	-32	G2"	-32	40,0 1.57	51,6 2.03	60,5 2.38	135,5 5.33	70 2.76	138,3 304.95	HCS-51-AGR-32-M-W5

### Related Products and Accessories



Swage Ferrules

Pages 92-95



ECOVOS Version

Page 47



MULTIVOS Version

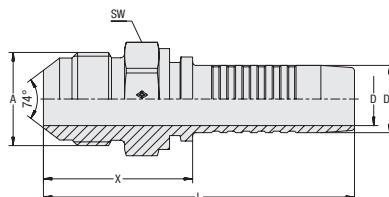
Page 150



**Connection Type** Male UN/UNF Thread  
**Sealing Type** 74° Taper  
**Standard** ISO 8434-2

**Material** Stainless Steel

### Straight Insert with Male UN/UNF Thread and 74° Taper Type AGJ



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	7/16"-20 UNF	-04	3,9 .15	6,7 .26	28,0 1.10	58,0 2.28	14 .55	2,4 5.29	HCS-06-AGJ-04-M-W5
06	1/4"	-04	9/16"-18 UNF	-06	3,9 .15	6,7 .26	28,0 1.10	58,0 2.28	17 .67	3,2 7.06	HCS-06-AGJ-06-M-W5
08	5/16"	-05	1/2"-20 UNF	-05	5,4 .21	8,0 .31	28,0 1.10	58,0 2.28	14 .55	2,7 5.95	HCS-08-AGJ-05-M-W5
08	5/16"	-05	9/16"-18 UNF	-06	5,4 .21	8,0 .31	28,0 1.10	58,0 2.28	17 .67	3,2 7.06	HCS-08-AGJ-06-M-W5
10	3/8"	-06	9/16"-18 UNF	-06	6,5 .26	9,6 .38	28,0 1.10	61,5 2.42	17 .67	3,8 8.38	HCS-10-AGJ-06-M-W5
10	3/8"	-06	3/4"-16 UNF	-08	6,5 .26	9,6 .38	32,0 1.26	64,0 2.52	22 .87	5,9 13.01	HCS-10-AGJ-08-M-W5
12	1/2"	-08	3/4"-16 UNF	-08	9,5 .37	12,8 .50	32,5 1.28	68,0 2.68	22 .87	6,8 14.99	HCS-12-AGJ-08-M-W5
12	1/2"	-08	7/8"-14 UNF	-10	9,5 .37	12,8 .50	35,5 1.40	71,0 2.80	24 .94	8,4 18.52	HCS-12-AGJ-10-M-W5
16	5/8"	-10	7/8"-14 UNF	-10	12,6 .50	16,0 .63	35,5 1.40	74,0 2.91	24 .94	9,0 19.85	HCS-16-AGJ-10-M-W5
19	3/4"	-12	1 1/16"-12 UN	-12	14,8 .58	19,1 .75	41,0 1.61	86,5 3.41	30 1.18	15,9 35.06	HCS-19-AGJ-12-M-W5
25	1"	-16	1 5/16"-12 UN	-16	20,0 .79	25,9 1.02	44,5 1.28	99,5 1.93	36 4.29	27,5 1.81	HCS-25-AGJ-16-M-W5
31	1 1/4"	-20	1 5/8"-12 UN	-20	26,0 1.02	32,5 1.28	49,0 1.93	109,0 4.29	46 1.81	45,0 99.23	HCS-31-AGJ-20-M-W5
38	1 1/2"	-24	1 7/8"-12 UN	-24	31,0 1.22	38,9 1.53	55,5 2.19	123,0 4.84	50 1.97	62,8 138.47	HCS-38-AGJ-24-M-W5

#### Related Products and Accessories



Swage Ferrules

Pages 92-95



ECOVOS Version

Page 50



MULTIVOS Version

Page 151

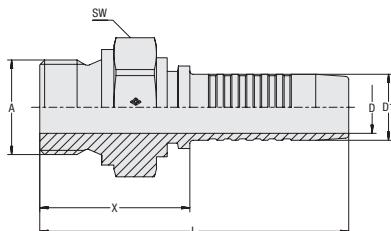


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Catalogue 4 • Edition 02/2025

117

## Straight Insert with Male BSPP Thread Type AGRF



**Connection Type** Male BSPP Thread  
**Sealing Type** Sealing Surface  
**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	G1/4"	-04	3,9 .15	6,7 .26	29,0 1.14	59,0 2.32	19 .75	4,2 9,26	HCS-06-AGRF-04-M-W5
08	5/16"	-05	G1/2"	-08	5,4 .21	8,0 .31	34,0 1.34	64,0 2.52	27 1.06	8,9 19,62	HCS-08-AGRF-08-M-W5
10	3/8"	-06	G3/8"	-06	6,5 .26	9,6 .38	30,5 1.20	63,5 2.50	22 .87	6,3 13,89	HCS-10-AGRF-06-M-W5
10	3/8"	-06	G1/2"	-08	6,5 .26	9,6 .38	34,0 1.34	67,0 2.64	27 1.06	9,1 20,07	HCS-10-AGRF-08-M-W5
12	1/2"	-08	G3/8"	-06	9,5 .37	12,8 .50	31,5 1.24	66,5 2.62	22 .87	6,9 15,21	HCS-12-AGRF-06-M-W5
12	1/2"	-08	G1/2"	-08	9,5 .37	12,8 .50	34,5 1.36	70,0 2.76	27 1.06	10,7 23,59	HCS-12-AGRF-08-S-M-W5
16	5/8"	-10	G3/4"	-12	12,6 .50	16,0 .63	37,5 1.48	76,0 2.99	32 1.26	14,6 32,19	HCS-16-AGRF-12-S-M-W5
16	5/8"	-10	G1"	-16	12,6 .50	16,0 .63	41,5 1.63	79,5 3.13	41 1.61	25,1 55,35	HCS-16-AGRF-16-S-M-W5
19	3/4"	-12	G3/4"	-12	14,8 .58	19,1 .75	38,0 1.50	84,0 3.31	32 1.26	17,6 38,81	HCS-19-AGRF-12-W-M-W5
25	1"	-16	G1"	-16	20,0 .79	25,9 1.02	43,5 1.71	98,5 3.88	41 1.61	32,6 71,88	HCS-25-AGRF-16-W-M-W5
31	1 1/4"	-20	G1 1/4"	-20	26,0 1.02	32,5 1.28	46,5 1.83	106,5 4.19	50 1.97	50,5 111,35	HCS-31-AGRF-20-W-M-W5
38	1 1/2"	-24	G1 1/2"	-24	31,0 1.22	38,9 1.53	53,0 2.09	120,5 4.74	55 2.17	71,0 156,56	HCS-38-AGRF-24-W-M-W5
51	2"	-32	G2"	-32	40,0 1.57	51,6 2.03	60,5 2.38	135,5 5.33	70 2.76	138,3 304,95	HCS-51-AGRF-32-W-M-W5

### Related Products and Accessories



Swage Ferrules

Pages 92-95



ECOVOS Version

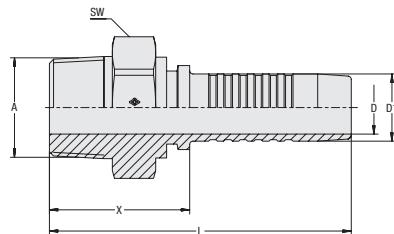
Page 48



Straight Insert with Male BSPT Thread  
Type AGRK

**Connection Type** Male BSPT Thread  
**Sealing Type** Tapered Thread

**Material** Stainless Steel



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	R1/8"	-03	3,9 .15	6,7 .26	21,5 .85	51,5 2,03	12 .47	1,7 3,75	HCS-06-AGRK-03-M-W5
06	1/4"	-04	R1/4"	-04	3,9 .15	6,7 .26	26,0 1,02	56,0 2,20	14 .55	2,9 6,39	HCS-06-AGRK-04-M-W5
08	5/16"	-05	R1/4"	-04	5,4 .21	8,0 .31	26,0 1,02	56,0 2,20	14 .55	2,9 6,39	HCS-08-AGRK-04-M-W5
08	5/16"	-05	R3/8"	-06	5,4 .21	8,0 .31	26,5 1,04	56,5 2,22	17 .67	4,2 9,26	HCS-08-AGRK-06-M-W5
10	3/8"	-06	R1/4"	-04	6,5 .26	9,6 .38	25,5 1,00	59,0 2,32	14 .55	4,6 10,14	HCS-10-AGRK-04-M-W5
10	3/8"	-06	R3/8"	-06	6,5 .26	9,6 .38	26,5 1,04	59,8 2,35	17 .67	6,3 13,89	HCS-10-AGRK-06-M-W5
12	1/2"	-08	R1/2"	-08	9,5 .37	12,8 .50	30,5 1,20	65,5 2,58	22 .87	7,8 17,20	HCS-12-AGRK-08-M-W5
16	5/8"	-10	R3/4"	-12	12,6 .50	16,0 .63	34,5 1,36	72,5 2,85	27 1,06	14,2 31,31	HCS-16-AGRK-12-M-W5
19	3/4"	-12	R3/4"	-12	14,8 .58	19,1 .75	35,0 1,38	80,5 3,17	27 1,06	17,0 37,49	HCS-19-AGRK-12-M-W5
19	3/4"	-12	R1"	-16	14,8 .58	19,1 .75	37,0 1,46	82,5 3,25	36 1,42	24,8 54,68	HCS-19-AGRK-16-M-W5
25	1"	-16	R1"	-16	20,0 .79	25,9 1,02	38,0 1,28	93,0 1,69	36 4,06	31,7 1,81	HCS-25-AGRK-16-M-W5
31	1 1/4"	-20	R1 1/4"	-20	26,0 1,02	32,5 1,28	43,0 1,69	103,0 4,06	46 4,06	48,7 1,81	HCS-31-AGRK-20-M-W5
38	1 1/2"	-24	R1 1/2"	-24	31,0 1,22	38,9 1,53	47,5 1,87	115,0 4,53	50 1,97	71,0 156,56	HCS-38-AGRK-24-M-W5
51	2"	-32	R2"	-32	40,0 1,57	51,6 2,03	54,0 2,13	129,0 5,08	65 2,56	138,3 304,95	HCS-51-AGRK-32-M-W5

**Related Products and Accessories**


Swage Ferrules

Pages 92-95



ECOVOS Version

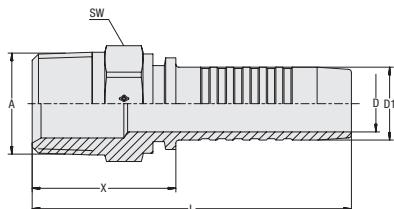
Page 49


[www.stauff.com/4/en/#119](http://www.stauff.com/4/en/#119)

Catalogue 4 • Edition 02/2025

119

## Straight Insert with Male NPTF Thread and 60° Conical Bore Type AGN



**Connection Type** Male NPTF Thread  
**Sealing Type** Tapered Thread and 60° Conical Bore  
**Standard** SAE J 516

**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	1/4"-18 NPT	-04	3,9 .15	6,7 .26	28,0 1,10	58,0 2,28	14 .55	2,8 6,17	HCS-06-AGN-04-M-W5
06	1/4"	-04	1/8"-18 NPT	-03	3,9 .15	6,7 .26	23,0 .91	53,0 2,09	12 .47	1,9 4,19	HCS-06-AGN-03-M-W5
06	1/4"	-04	3/8"-18 NPT	-06	3,9 .15	6,7 .26	28,5 1,12	58,5 2,30	19 .75	3,9 8,60	HCS-06-AGN-06-M-W5
08	5/16"	-05	3/8"-18 NPT	-06	5,4 .21	8,0 .31	29,0 1,14	59,0 2,32	19 .75	4,1 9,04	HCS-08-AGN-06-M-W5
10	3/8"	-06	3/8"-18 NPT	-06	6,5 .26	9,6 .38	29,0 1,14	62,0 2,44	19 .75	4,6 10,14	HCS-10-AGN-06-M-W5
10	3/8"	-06	1/4"-18 NPT	-04	6,5 .26	9,6 .38	29,0 1,14	62,5 2,46	14 .55	3,5 7,72	HCS-10-AGN-04-M-W5
10	3/8"	-06	1/2"-14 NPT	-08	6,5 .26	9,6 .38	34,5 1,36	68,0 2,68	22 .87	6,7 14,77	HCS-10-AGN-08-M-W5
12	1/2"	-08	1/2"-14 NPT	-08	9,5 .37	12,8 .50	35,5 1,40	70,5 2,78	22 .87	7,6 16,76	HCS-12-AGN-08-M-W5
16	5/8"	-10	1/2"-14 NPT	-08	12,6 .50	16,0 .63	36,5 1,44	74,5 2,93	22 .87	8,6 18,96	HCS-16-AGN-08-M-W5
16	5/8"	-10	3/4"-14 NPT	-12	12,6 .50	16,0 .63	37,5 1,48	75,5 2,97	27 1,06	11,4 25,14	HCS-16-AGN-12-M-W5
19	3/4"	-12	3/4"-14 NPT	-12	14,8 .58	19,1 .75	38,0 1,50	83,5 3,29	27 1,06	13,3 29,33	HCS-19-AGN-12-M-W5
19	3/4"	-12	1"-11,5 NPT	-16	14,8 .58	19,1 .75	43,0 1,69	88,5 3,48	36 1,42	19,7 43,44	HCS-19-AGN-16-M-W5
25	1"	-16	1"-11,5 NPT	-16	20,0 .79	25,9 1,02	44,0 1,73	99,0 3,90	36 1,42	25,6 56,45	HCS-25-AGN-16-M-W5
25	1"	-16	1 1/4"-11,5 NPT	-20	20,0 .79	25,9 1,02	46,0 1,81	101,0 3,98	46 1,81	34,4 75,85	HCS-25-AGN-20-M-W5
31	1 1/4"	-20	1 1/4"-11,5 NPT	-20	26,0 1,02	32,5 1,28	47,0 1,85	107,0 4,21	46 1,81	40,4 89,08	HCS-31-AGN-20-M-W5
38	1 1/2"	-24	1 1/2"-11,5 NPT	-24	31,0 1,22	38,9 1,53	51,0 2,01	118,5 4,67	50 1,97	55,5 122,38	HCS-38-AGN-24-M-W5
51	2"	-32	2"-11,5 NPT	-32	40,0 1,57	51,6 2,03	57,0 2,24	132,0 5,20	65 2,56	125,0 275,63	HCS-51-AGN-32-M-W5

### Related Products and Accessories



Swage Ferrules

Pages 92-95



ECOVOS Version

Page 56



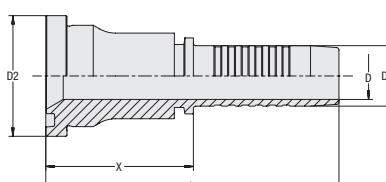
MULTIVOS Version

Page 152



Straight Insert with SAE Flange Adaptor  
 Type SFL (3000 PSI Series)

<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	SAE J 518, ISO 6162-1
<b>Material</b>	Stainless Steel



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L		
12	1/2"	-08	1/2"	-08	9,5	12,8	30,2	45,5	81,0	11,9	HCS-12-SFL-08-M-W5
					.37	.50	1.19	1.79	3.19	26.24	
12	1/2"	-08	3/4"	-12	9,5	12,8	38,1	46,5	81,5	18,4	HCS-12-SFL-12-M-W5
					.37	.50	1.50	1.83	3.21	40.57	
16	5/8"	-10	3/4"	-12	12,6	16,0	38,1	46,5	84,5	18,6	HCS-16-SFL-12-M-W5
					.50	.63	1.50	1.83	3.33	40.90	
19	3/4"	-12	3/4"	-12	14,8	19,1	38,1	47,0	92,5	21,8	HCS-19-SFL-12-M-W5
					.58	.75	1.50	1.85	3.64	48.07	
19	3/4"	-12	1"	-16	14,8	19,1	44,5	49,5	95,0	28,0	HCS-19-SFL-16-M-W5
					.58	.75	1.75	1.95	3.74	61.74	
25	1"	-16	1"	-16	20,0	25,9	44,5	48,0	103,0	34,0	HCS-25-SFL-16-M-W5
					.79	1.02	1.75	1.89	4.06	74.97	
25	1"	-16	1 1/4"	-20	20,0	25,9	50,8	68,5	123,5	47,5	HCS-25-SFL-20-M-W5
					.79	1.02	2.00	2.70	4.86	104.74	
31	1 1/4"	-20	1 1/4"	-20	26,0	32,5	50,8	69,5	129,5	53,5	HCS-31-SFL-20-M-W5
					1.02	1.28	2.00	2.74	5.10	117.97	
38	1 1/2"	-24	1 1/2"	-24	31,0	38,9	60,3	59,5	127,0	66,6	HCS-38-SFL-24-M-W5
					1.22	1.53	2.37	2.34	5.00	146.85	
38	1 1/2"	-24	2"	-32	31,0	38,9	71,4	72,0	139,5	111,2	HCS-38-SFL-32-M-W5
					1.22	1.53	2.81	2.83	5.49	245.20	
51	2"	-32	2"	-32	40,0	51,6	71,4	72,0	147,0	131,4	HCS-51-SFL-32-M-W5
					1.57	2.03	2.81	2.83	5.79	289.74	

**Related Products and Accessories**


Swage Ferrules

Pages 92-95



45° Version

Page 122



90° Version

Page 123



ECOVOS Version

Page 58



MULTIVOS Version

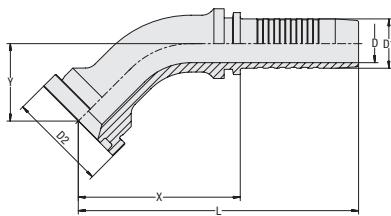
Page 153


[www.stauff.com/4/en/#121](http://www.stauff.com/4/en/#121)

Catalogue 4 • Edition 02/2025

121

## 45° Elbow Insert with SAE Flange Adaptor Type SFL 45° (3000 PSI Series)



<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	SAE J 518, ISO 6162-1
<b>Material</b>	Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y	
12	1/2"	-08	1/2"	-08	9,5	12,8	30,2	50,0	85,5	20,5	10,9
					.37	.50	1,19	1,97	3,37	.81	24,03
12	1/2"	-08	3/4"	-12	9,5	12,8	38,1	55,0	90,5	26,0	16,0
					.37	.50	1,50	2,17	3,56	1,02	35,17
16	5/8"	-12	3/4"	-12	12,6	16,0	38,1	60,5	99,0	28,5	19,0
					.50	.63	1,50	2,38	3,90	1,12	41,90
19	3/4"	-12	3/4"	-12	14,8	19,1	38,1	62,5	108,5	30,0	22,9
					.58	.75	1,50	2,46	4,27	1,18	50,49
19	3/4"	-12	1"	-16	14,8	19,1	44,5	66,5	112,5	29,0	29,6
					.58	.75	1,75	2,62	4,43	1,14	65,27
25	1"	-16	1"	-16	20,0	25,9	44,5	82,5	137,5	35,0	41,9
					.79	1,02	1,75	3,25	5,41	1,38	92,28
31	1 1/4"	-20	1 1/4"	-20	26,0	32,5	50,8	98,5	158,5	36,5	63,0
					1,02	1,28	2,00	3,88	6,24	1,44	138,80
38	1 1/2"	-24	1 1/2"	-24	31,0	38,9	60,3	130,5	198,0	47,0	110,6
					1,22	1,53	2,37	5,14	7,80	1,85	243,76
51	2"	-32	2"	-32	40,0	51,6	71,4	149,0	224,0	67,0	177,8
					1,57	2,03	2,81	5,87	8,82	2,64	392,05

Dimension Y  $\pm 2,5$  mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 121



ECOVOS Version

Page 59



90° Version

Page 123

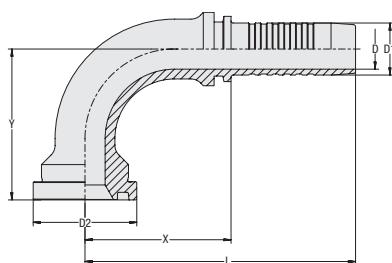


MULTIVOS Version

Page 154



**Connection Type** SAE Flange Adaptor  
**Sealing Type** O-Ring Face Seal  
 (O-Ring not included in delivery.)  
**Standard** SAE J 518, ISO 6162-1  
**Material** Stainless Steel



**90° Elbow Insert with SAE Flange Adaptor  
Type SFL 90° (3000 PSI Series)**



Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
12	1/2"	-08	1/2"	-08	9,5 .37	12,8 .50	30,2 1,19	41,0 1,61	76,5 3,01	44,5 1,75	12,3 27,12	HCS-12-SFL-08-090-M-W5
16	5/8"	-10	3/4"	-12	12,6 .50	16,0 .63	38,1 1,50	49,0 1,93	87,5 3,44	55,5 2,19	21,2 46,75	HCS-16-SFL-12-090-M-W5
16	5/8"	-10	1"	-16	12,6 .50	16,0 .63	44,5 1,75	48,5 1,91	87,0 3,43	59,0 2,32	27,2 59,87	HCS-16-SFL-16-090-M-W5
19	3/4"	-12	3/4"	-12	14,8 .58	19,1 .75	38,1 1,50	53,5 2,11	99,5 3,92	55,5 2,19	26,5 58,32	HCS-19-SFL-12-090-M-W5
19	3/4"	-12	1"	-16	14,8 .58	19,1 .75	44,5 1,75	66,0 2,60	112,0 4,41	61,5 2,42	35,6 78,50	HCS-19-SFL-16-090-M-W5
25	1"	-16	1"	-16	20,0 .79	25,9 1,02	44,5 1,75	70,0 2,76	125,0 4,92	72,0 2,83	48,6 107,16	HCS-25-SFL-16-090-M-W5
31	1 1/4"	-20	1 1/4"	-20	26,0 1,02	32,5 1,28	50,8 2,00	88,5 3,48	148,5 5,85	84,0 3,31	77,4 170,67	HCS-31-SFL-20-090-M-W5
38	1 1/2"	-24	1 1/2"	-24	31,0 1,22	38,9 1,53	60,3 2,37	111,0 4,37	178,5 7,03	110,0 4,33	134,3 296,13	HCS-38-SFL-24-090-M-W5
51	2"	-32	2"	-32	40,0 1,57	51,6 2,03	71,4 2,81	125,0 4,92	200,0 7,87	138,0 5,43	211,4 466,14	HCS-51-SFL-32-090-M-W5

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 121



ECOVOS Version

Page 60



45° Version

Page 122



MULTIVOS Version

Page 155

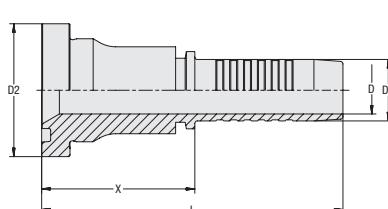


[www.stauff.com/4/en/#123](http://www.stauff.com/4/en/#123)

Catalogue 4 • Edition 02/2025

123

## Straight Insert with SAE Flange Adaptor Type SFS (6000 PSI Series)



<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	SAE J 518, ISO 6162-2
<b>Material</b>	Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	D2	X	L		
12	1/2"	-08	1/2"	-08	9,5	12,8	31,8	45,5	81,0	11,5	HCS-12-SFS-08-M-W5
					.37	.50	1.25	1.79	3.19	25.25	
12	1/2"	-08	3/4"	-12	9,5	12,8	41,3	49,0	84,5	19,2	HCS-12-SFS-12-M-W5
					.37	.50	1.63	1.93	3.33	42.34	
16	5/8"	-10	1/2"	-08	12,6	16,0	31,8	51,5	90,0	13,7	HCS-16-SFS-08-M-W5
					.50	.63	1.25	2.03	3.54	30.21	
16	5/8"	-10	3/4"	-12	12,6	16,0	41,3	45,5	84,0	21,4	HCS-16-SFS-12-M-W5
					.50	.63	1.63	1.79	3.31	47.19	
19	3/4"	-12	3/4"	-12	14,8	19,1	41,3	48,0	93,5	24,3	HCS-19-SFS-12-M-W5
					.58	.75	1.63	1.89	3.68	53.47	
19	3/4"	-12	1"	-16	14,8	19,1	47,6	51,0	96,5	31,4	HCS-19-SFS-16-M-W5
					.58	.75	1.87	2.01	3.80	69.24	
25	1"	-16	1"	-16	20,0	25,9	47,6	48,0	103,0	36,2	HCS-25-SFS-16-M-W5
					.79	1.02	1.87	1.89	4.06	79.82	
25	1"	-16	1 1/4"	-20	20,0	25,9	54,0	70,5	125,5	53,0	HCS-25-SFS-20-M-W5
					.79	1.02	2.13	2.78	4.94	116.87	
31	1 1/4"	-20	1 1/4"	-20	26,0	32,5	54,0	73,2	133,2	59,0	HCS-31-SFS-20-M-W5
					1.02	1.28	2.13	2.88	5.24	130.10	
38	1 1/2"	-24	1 1/2"	-24	31,0	38,9	63,5	72,5	140,0	88,0	HCS-38-SFS-24-M-W5
					1.22	1.53	2.50	2.85	5.51	194.04	
51	2"	-32	2"	-32	40,0	51,6	79,4	75,0	150,0	162,4	HCS-51-SFS-32-M-W5
					1.57	2.03	3.13	2.95	5.91	358.09	

### Related Products and Accessories



Swage Ferrules

Pages 92-95



45° Version

Page 125



90° Version

Page 126



ECOVOS Version

Page 61

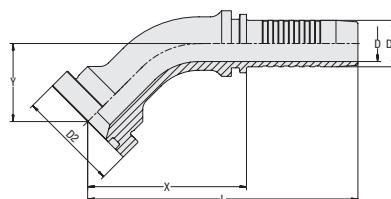


MULTIVOS Version

Page 156



**Connection Type** SAE Flange Adaptor  
**Sealing Type** O-Ring Face Seal  
 (O-Ring not included in delivery.)  
**Standard** SAE J 518, ISO 6162-2  
**Material** Stainless Steel



### 45° Elbow Insert with SAE Flange Adaptor Type SFS 45° (6000 PSI Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y	
12	1/2"	-08	1/2"	-08	9,5	12,8	31,8	49,5	85,0	23,0	11,7
					.37	.50	1.25	1.95	3.35	.91	25,69
12	1/2"	-08	3/4"	-12	9,5	12,8	41,3	55,0	90,5	27,0	18,4
					.37	.50	1.63	2.17	3.56	1.06	40,46
16	5/8"	-10	1/2"	-08	12,6	16,0	31,8	60,5	99,0	26,0	14,8
					.50	.63	1.25	2.38	3.90	1.02	32,52
16	5/8"	-10	3/4"	-12	12,6	16,0	41,3	60,5	99,0	28,0	20,9
					.50	.63	1.63	2.38	3.90	1.10	45,97
19	3/4"	-12	3/4"	-12	14,8	19,1	41,3	65,0	111,0	32,0	26,5
					.58	.75	1.63	2.56	4.37	1.26	58,32
19	3/4"	-12	1"	-16	14,8	19,1	47,6	68,0	114,0	30,5	33,1
					.58	.75	1.87	2.68	4.49	1.20	72,88
25	1"	-16	1"	-16	20,0	25,9	47,6	83,5	138,5	36,0	44,9
					.79	1.02	1.87	3.29	5.45	1.42	98,89
25	1"	-16	1 1/4"	-20	20,0	25,9	54,0	97,0	152,0	41,0	59,8
					.79	1.02	2.13	3.82	5.98	1.61	131,75
31	1 1/4"	-20	1 1/4"	-20	26,0	32,5	54,0	101,5	161,0	40,0	69,9
					1.02	1.28	2.13	4.00	6.34	1.57	154,13
38	1 1/2"	-24	1 1/2"	-24	31,0	38,9	63,5	127,5	195,0	53,5	121,2
					1.22	1.53	2.50	5.02	7.68	2.11	267,14
51	2"	-32	2"	-32	40,0	51,6	79,4	150,0	223,5	65,5	213,1
					1.57	2.03	3.13	5.91	8.80	2.58	469,78

Dimension Y ± 2,5 mm / .10 in

#### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 61



ECOVOS Version

Page 62



90° Version

Page 63



MULTIVOS Version

Page 157

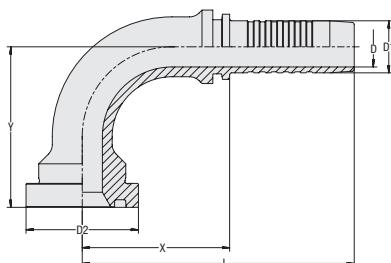


[www.stauff.com/4/en/#125](http://www.stauff.com/4/en/#125)

Catalogue 4 • Edition 02/2025

125

## 90° Elbow Insert with SAE Flange Adaptor Type SFS 90° (6000 PSI Series)



<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	SAE J 518, ISO 6162-2
<b>Material</b>	Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
12	1/2"	-08	1/2"	-08	9,5	12,8	31,8	39,0	74,5	46,5	13,2	HCS-12-SFS-08-090-M-W5
					.37	.50	1,25	1,54	2,93	1,83	29,11	
12	1/2"	-08	3/4"	-12	9,5	12,8	41,3	43,2	78,5	50,0	21,2	HCS-12-SFS-12-090-M-W5
					.37	.50	1,63	1,70	3,09	1,97	46,64	
16	5/8"	-10	1/2"	-08	12,6	16,0	31,8	52,0	90,5	52,5	17,2	HCS-16-SFS-08-090-M-W5
					.50	.63	1,25	2,05	3,56	2,07	37,82	
16	5/8"	-10	3/4"	-12	12,6	16,0	41,3	47,5	86,0	57,0	23,8	HCS-16-SFS-12-090-M-W5
					.50	.63	1,63	1,87	3,39	2,24	52,48	
19	3/4"	-12	3/4"	-12	14,8	19,1	41,3	54,0	100,0	59,0	30,1	HCS-19-SFS-12-090-M-W5
					.58	.75	1,63	2,13	3,94	2,32	66,37	
19	3/4"	-12	1"	-16	14,8	19,1	47,6	61,5	107,5	68,0	39,1	HCS-19-SFS-16-090-M-W5
					.58	.75	1,87	2,42	4,23	2,68	86,22	
25	1"	-16	1"	-16	20,0	25,9	47,6	70,5	125,5	73,0	48,7	HCS-25-SFS-16-090-M-W5
					.79	1,02	1,87	2,78	4,94	2,87	107,27	
25	1"	-16	1 1/4"	-20	20,0	25,9	54,0	81,0	136,0	80,5	67,3	HCS-25-SFS-20-090-M-W5
					.79	1,02	2,13	3,19	5,35	3,17	148,40	
31	1 1/4"	-20	1 1/4"	-20	26,0	32,5	54,0	92,0	152,0	84,0	83,1	HCS-31-SFS-20-090-M-W5
					1,02	1,28	2,13	3,62	5,98	3,31	183,24	
38	1 1/2"	-24	1 1/2"	-24	31,0	38,9	63,5	108,5	176,0	109,5	143,5	HCS-38-SFS-24-090-M-W5
					1,22	1,53	2,50	4,27	6,93	4,31	316,31	
51	2"	-32	2"	-32	40,0	51,6	79,4	126,0	201,0	137,5	246,5	HCS-51-SFS-32-090-M-W5
					1,57	2,03	3,13	4,96	7,91	5,41	543,53	

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 124



ECOVOS Version

Page 63



45° Version

Page 125

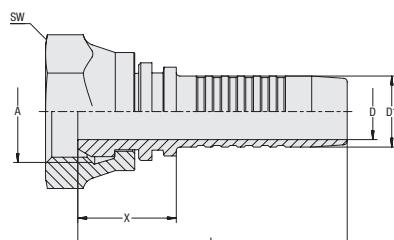


MULTIVOS Version

Page 158



<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	SAE J 518, ISO 6162-2
<b>Material</b>	Stainless Steel



## Straight Insert with Female BSPP Thread and 60° Taper Type DKR

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	G1/4"	-04	3,9 .15	6,7 .26	22,5 .89	52,5 2,07	19 .75	4,1 9,04	HCS-06-DKR-04-C-M-W5
06	1/4"	-04	G1/8"	-03	3,9 .15	6,7 .26	18,0 .71	48,0 1,89	17 .67	3,3 7,28	HCS-06-DKR-03-C-M-W5
06	1/4"	-04	G3/8"	-06	3,9 .15	6,7 .26	26,0 1,02	56,0 2,20	22 .87	5,5 12,13	HCS-06-DKR-06-C-M-W5
08	5/16"	-05	G1/4"	-04	5,4 .21	8,0 .31	19,5 .77	49,5 1,95	19 .75	4,2 9,26	HCS-08-DKR-04-C-M-W5
08	5/16"	-05	G3/8"	-06	5,4 .21	8,0 .31	27,0 1,06	57,0 2,24	22,0 .87	5,8 12,79	HCS-08-DKR-06-C-M-W5
08	5/16"	-05	G1/2"	-08	5,4 .21	8,0 .31	24,5 .96	54,5 2,15	27,0 1,06	9,1 20,07	HCS-08-DKR-08-C-M-W5
10	3/8"	-06	G3/8"	-06	6,5 .26	9,6 .38	24,0 .94	57,0 2,24	22,0 .87	6,2 13,67	HCS-10-DKR-06-C-M-W5
10	3/8"	-06	G1/4"	-04	6,5 .26	9,6 .38	19,5 .77	53,0 2,09	19,0 .75	4,7 10,36	HCS-10-DKR-04-C-M-W5
10	3/8"	-06	G1/2"	-08	6,5 .26	9,6 .38	30,0 1,18	63,5 2,50	27,0 1,06	9,9 21,83	HCS-10-DKR-08-C-M-W5
12	1/2"	-08	G1/2"	-08	9,5 .37	12,8 .50	27,5 1,08	62,5 2,46	27,0 1,06	10,3 22,71	HCS-12-DKR-08-C-M-W5
12	1/2"	-08	G3/8"	-06	9,5 .37	12,8 .50	21,5 .85	57,0 2,24	22,0 .87	8,3 18,30	HCS-12-DKR-06-C-M-W5
12	1/2"	-08	G3/4"	-12	9,5 .37	12,8 .50	30,5 1,20	65,5 2,58	32,0 1,26	14,4 31,75	HCS-12-DKR-12-C-M-W5
16	5/8"	-10	G5/8"	-10	12,6 .50	16,0 .63	24,0 .94	62,5 2,46	30,0 1,18	13,8 30,43	HCS-16-DKR-10-C-M-W5
16	5/8"	-10	G1/2"	-08	12,6 .50	16,0 .63	22,5 .89	60,5 2,38	27,0 1,06	11,0 24,26	HCS-16-DKR-08-C-M-W5
16	5/8"	-10	G3/4"	-12	12,6 .50	16,0 .63	24,0 .94	62,5 2,46	32,0 1,26	14,4 31,64	HCS-16-DKR-12-C-M-W5
19	3/4"	-12	G3/4"	-12	14,8 .58	19,1 .75	28,0 1,10	74,0 2,91	32,0 1,26	22,5 49,61	HCS-19-DKR-12-C-M-W5
19	3/4"	-12	G1"	-16	14,8 .58	19,1 .75	29,0 1,14	75,0 2,95	41,0 1,61	28,2 62,18	HCS-19-DKR-16-C-M-W5
25	1"	-16	G1"	-16	20,0 .79	25,9 1,02	31,5 1,24	86,5 3,41	41,0 1,61	33,40 73,65	HCS-25-DKR-16-C-M-W5
25	1"	-16	G1 1/4"	-20	20,0 .79	25,9 1,02	31,5 1,24	86,5 3,41	50,0 1,97	43,30 95,48	HCS-25-DKR-20-W-M-W5
31	1 1/4"	-20	G1 1/4"	-20	26,0 1,02	32,5 1,28	36,5 1,44	96,5 3,80	50,0 1,97	52,00 114,66	HCS-31-DKR-20-W-M-W5
31	1 1/4"	-20	G1 1/2"	-24	26,0 1,02	32,5 1,28	39,0 1,54	99,0 3,90	55,0 2,17	66,90 147,51	HCS-31-DKR-24-W-M-W5
38	1 1/2"	-24	G1 1/2"	-24	31,0 1,22	38,9 1,53	35,5 1,40	103,0 4,06	55,0 2,17	68,50 151,04	HCS-38-DKR-24-W-M-W5
38	1 1/2"	-24	G2"	-32	31,0 1,22	38,9 1,53	35,5 1,40	106,0 4,17	70,0 2,76	118,55 261,40	HCS-38-DKR-32-W-M-W5
51	2"	-32	G2"	-32	40,0 1,57	51,6 2,03	37,5 1,48	112,5 4,43	70,0 2,76	135,70 299,22	HCS-51-DKR-32-W-M-W5

### Related Products and Accessories



Swage Ferrules

Pages 92-95



45° Version

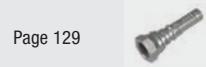


ECOVOS Version

Page 64



90° Version



MULTIVOS Version

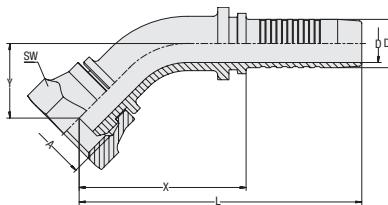
Page 162


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Catalogue 4 • Edition 02/2025

127

## 45° Elbow Insert with Female BSPP Thread and 60° Taper Type DKR 45°



**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Taper  
**Standard** ISO 8434-6, BS 5200  
**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
06	1/4"	-04	G1/4"	-04	3,9	6,7	33,0	63,0	16,0	19	4,5	HCS-06-DKR-04-045-S-M-W5
					.15	.26	1.30	2.48	.63	.75	9.81	
06	1/4"	-04	G3/8"	-06	3,9	6,7	36,0	66,0	16,5	22	6,6	HCS-06-DKR-06-045-S-M-W5
					.15	.26	1.42	2.60	.65	.87	14.44	
08	5/16"	-05	G3/8"	-06	5,4	8,0	38,0	68,0	16,0	22	6,5	HCS-08-DKR-06-045-S-M-W5
					.21	.31	1.50	2.68	.63	.87	14.22	
10	3/8"	-06	G3/8"	-06	6,5	9,6	40,0	73,5	16,0	22	7,6	HCS-10-DKR-06-045-S-M-W5
					.26	.38	1.57	2.89	.63	.87	16.65	
10	3/8"	-06	G1/2"	-08	6,5	9,6	40,5	74,0	19,5	27	10,7	HCS-10-DKR-08-045-S-M-W5
					.26	.38	1.59	2.91	.77	1.06	23.48	
12	1/2"	-08	G3/8"	-06	9,5	12,8	52,0	87,0	22,0	22	11,8	HCS-12-DKR-06-045-S-M-W5
					.37	.50	2.05	3.43	.87	.87	25.91	
12	1/2"	-08	G1/2"	-08	9,5	12,8	48,0	81,5	20,0	27	12,4	HCS-12-DKR-08-045-S-M-W5
					.37	.50	1.89	3.21	.79	1.06	27.23	
12	1/2"	-08	G5/8"	-10	9,5	12,8	45,5	81,0	19,5	30	14,6	HCS-12-DKR-10-045-S-M-W5
					.37	.50	1.79	3.19	.77	1.18	32.08	
16	5/8"	-10	G5/8"	-10	12,6	16,0	57,0	95,0	27,0	30	19,4	HCS-16-DKR-10-045-W-M-W5
					.50	.63	2.24	3.74	1.06	1.18	42.67	
16	5/8"	-10	G3/4"	-12	12,6	16,0	56,5	95,0	23,0	32	18,5	HCS-16-DKR-12-045-S-M-W5
					.50	.63	2.22	3.74	.91	1.26	40.68	
19	3/4"	-12	G3/4"	-12	14,8	19,1	62,5	108,5	30,0	36	31,2	HCS-19-DKR-12-045-W-M-W5
					.58	.75	2.46	4.27	1.18	1.42	68.69	
19	3/4"	-12	G1"	-16	14,8	19,1	62,5	108,5	30,0	41	36,3	HCS-19-DKR-16-045-S-M-W5
					.58	.75	2.46	4.27	1.18	1.61	79.93	
25	1"	-16	G1"	-16	20,0	25,9	88,0	143,0	37,0	41	51,5	HCS-25-DKR-16-045-W-M-W5
					.79	1.02	3.46	5.63	1.46	1.61	113.56	
31	1 1/4"	-20	G1 1/4"	-20	26,0	32,5	103,0	163,0	42,0	50	84,4	HCS-31-DKR-20-045-W-M-W5
					1.02	1.28	4.06	6.42	1.65	1.97	186.10	
38	1 1/2"	-24	G1 1/2"	-24	31,0	38,9	131,0	198,0	51,5	55	128,6	HCS-38-DKR-24-045-W-M-W5
					1.22	1.53	5.16	7.80	2.03	2.17	283.45	
51	2"	-32	G2"	-32	40,0	51,6	139,5	214,5	65,0	75	238,1	HCS-51-DKR-32-045-W-M-W5
					1.57	2.03	5.49	8.44	2.56	2.95	525.01	

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 127



ECOVOS Version

Page 65



90° Version

Page 129



MULTIVOS Version

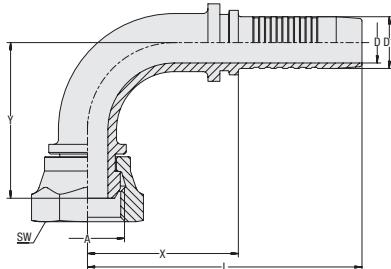
Page 163



**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Taper  
**Standard** ISO 8434-6, BS 5200

**Material** Stainless Steel

### 90° Elbow Insert with Female BSPP Thread and 60° Taper Type DKR 90°



Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
06	1/4"	-04	G1/4"	-04	3,9	6,7	27,0	57,0	28,5	19	4,8	HCS-06-DKR-04-090-S-M-W5
					.15	.26	1.06	2.24	1.12	.75	10.47	
06	1/4"	-04	G3/8"	-06	3,9	6,7	28,0	58,0	31,0	22	7,1	HCS-06-DKR-06-090-S-M-W5
					.15	.26	1.10	2.28	1.22	.87	15.55	
08	5/16"	-05	G3/8"	-06	5,4	8,0	28,0	58,0	31,5	22	6,9	HCS-08-DKR-06-090-S-M-W5
					.21	.31	1.10	2.28	1.24	.87	15.21	
10	3/8"	-06	G3/8"	-06	6,5	9,6	34,0	67,5	37,0	22	8,7	HCS-10-DKR-06-090-S-M-W5
					.26	.38	1.34	2.66	1.46	.87	19.07	
10	3/8"	-06	G1/2"	-08	6,5	9,6	35,5	69,0	38,0	27	11,7	HCS-10-DKR-08-090-S-M-W5
					.26	.38	1.40	2.72	1.50	1.06	25.80	
12	1/2"	-08	G3/8"	-06	9,5	12,8	42,0	77,5	44,0	24	13,7	HCS-12-DKR-06-090-W-M-W5
					.37	.50	1.65	3.05	1.73	.94	30.10	
12	1/2"	-08	G1/2"	-08	9,5	12,8	41,0	76,5	40,5	27	14,0	HCS-12-DKR-08-090-S-M-W5
					.37	.50	1.61	3.01	1.59	1.06	30.76	
12	1/2"	-08	G5/8"	-10	9,5	12,8	41,0	76,5	40,0	30	16,3	HCS-12-DKR-10-090-S-M-W5
					.37	.50	1.61	3.01	1.57	1.18	35.83	
16	5/8"	-10	G5/8"	-10	12,6	16,0	46,5	85,0	53,0	30	21,6	HCS-16-DKR-10-090-W-M-W5
					.50	.63	1.83	3.35	2.09	1.18	47.63	
16	5/8"	-10	G3/4"	-12	12,6	16,0	46,5	85,0	50,0	32	20,5	HCS-16-DKR-12-090-S-M-W5
					.50	.63	1.83	3.35	1.97	1.26	45.20	
19	3/4"	-12	G3/4"	-12	14,8	19,1	54,0	100,0	59,5	36	35,8	HCS-19-DKR-12-090-W-M-W5
					.58	.75	2.13	3.94	2.34	1.42	78.83	
19	3/4"	-12	G1"	-16	14,8	19,1	54,0	100,0	57,0	41	40,1	HCS-19-DKR-16-090-S-M-W5
					.58	.75	2.13	3.94	2.24	1.61	88.31	
25	1"	-16	G1"	-16	20,0	25,9	75,5	130,5	71,5	41	59,0	HCS-25-DKR-16-090-W-M-W5
					.79	1.02	2.97	5.14	2.81	1.61	129.98	
31	1 1/4"	-20	G1 1/4"	-20	26,0	32,5	92,0	152,0	87,0	50	98,7	HCS-31-DKR-20-090-W-M-W5
					1.02	1.28	3.62	5.98	3.43	1.97	217.52	
38	1 1/2"	-24	G1 1/2"	-24	31,0	38,9	117,5	185,0	105,0	55	151,8	HCS-38-DKR-24-090-W-M-W5
					1.22	1.53	4.63	7.28	4.13	2.17	334.61	
51	2"	-32	G2"	-32	40,0	51,6	121,5	196,5	131,5	70	249,4	HCS-51-DKR-32-090-W-M-W5
					1.57	2.03	4.78	7.74	5.18	2.76	549.93	

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 127



ECOVOS Version

Page 66



45° Version

Page 128



MULTIVOS Version

Page 164

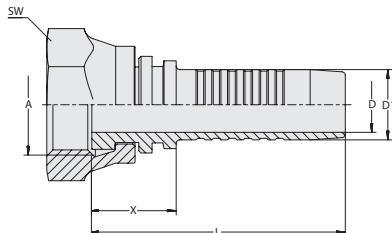


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Catalogue 4 • Edition 02/2025

129

## Straight Insert with Female BSPP Thread Type DKRF



**Connection Type** Female BSPP Nut Thread  
**Sealing Type** Flat-Sealing  
**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	G1/4"	-04	3,9	6,7	17,5	47,5	19	3,9	HCS-06-DKRF-04-S-M-W5
					.15	.26	.69	1.87	.75	8,49	
08	5/16"	-05	G1/4"	-04	5,4	8,0	16,0	46,0	19	4,1	HCS-08-DKRF-04-W-M-W5
					.21	.31	.63	1.81	.75	9,04	
10	3/8"	-06	G1/2"	-08	6,5	9,6	25,5	59,0	27	9,3	HCS-10-DKRF-08-S-M-W5
					.26	.38	1.00	2.32	1.06	20,40	
12	1/2"	-08	G1/2"	-08	9,5	12,8	20,5	56,0	27	9,6	HCS-12-DKRF-08-S-M-W5
					.37	.50	.81	2.20	1.06	21,06	
12	1/2"	-08	G3/4"	-12	9,5	12,8	25,5	61,0	32	13,3	HCS-12-DKRF-12-S-M-W5
					.37	.50	1.00	2.40	1.26	29,22	
16	5/8"	-10	G3/4"	-12	12,6	16,0	19,5	57,5	32	13,5	HCS-16-DKRF-12-S-M-W5
					.50	.63	.77	2.26	1.26	29,66	
19	3/4"	-12	G3/4"	-12	14,8	19,1	23,5	69,0	32	21,7	HCS-19-DKRF-12-W-M-W5
					.58	.75	.93	2.72	1.26	47,85	
25	1"	-16	G1"	-16	20,0	25,9	26,5	81,5	41	32,2	HCS-25-DKRF-16-W-M-W5
					.79	1.02	1.04	3.21	1.61	71,00	
31	1 1/4"	-20	G1 1/4"	-20	26,0	32,5	28,0	87,5	50	49,6	HCS-31-DKRF-20-W-M-W5
					1.02	1.28	1.10	3.44	1.97	109,37	
38	1 1/2"	-24	G1 1/2"	-24	31,0	38,9	28,5	96,0	55	65,4	HCS-38-DKRF-24-W-M-W5
					1.22	1.53	1.12	3.78	2.17	144,21	
51	2"	-32	G2"	-32	40,0	51,6	31,5	106,5	70	130,9	HCS-51-DKRF-32-W-M-W5
					1.57	2.03	1.24	4.19	2.76	288,63	

### Related Products and Accessories



Swage Ferrules

Pages 92-95



90° Version

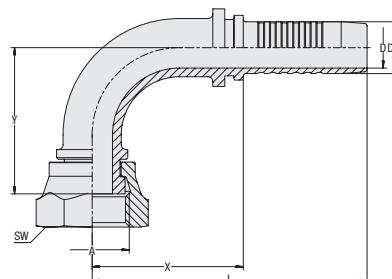


ECOVOS Version

Page 67



**Connection Type** Female BSPP Nut Thread  
**Sealing Type** Flat-Sealing  
**Material** Stainless Steel



**90° Elbow Insert with Female BSPP Thread Type DKRF 90°**



Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca.	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	per 100	
06	1/4"	-04	G1/4"	-04	3,9	6,7	27,0	57,0	25,0	19	4,6	HCS-06-DKRF-04-090-S-M-W5
					.15	.26	1.06	2.24	.98	.75	10.14	
08	5/16"	-05	G3/8"	-06	5,4	8,0	28,0	58,0	27,5	22	6,6	HCS-08-DKRF-06-090-S-M-W5
					.21	.31	1.10	2.28	1.08	.87	14.44	
10	3/8"	-06	G3/8"	-06	6,5	9,6	34,0	67,5	33,0	22	8,4	HCS-10-DKRF-06-090-S-M-W5
					.26	.38	1.34	2.66	1.30	.87	18.41	
10	3/8"	-06	G1/2"	-08	6,5	9,6	35,5	69,0	33,5	27	11,2	HCS-10-DKRF-08-090-S-M-W5
					.26	.38	1.40	2.72	1.32	1.06	24.59	
12	1/2"	-08	G1/2"	-08	9,5	12,8	41,0	76,5	36,0	27	13,5	HCS-12-DKRF-08-090-S-M-W5
					.37	.50	1.61	3.01	1.42	1.06	29.66	
12	1/2"	-08	G3/4"	-12	9,5	12,8	38,0	73,5	41,0	32	17,1	HCS-12-DKRF-12-090-S-M-W5
					.37	.50	1.50	2.89	1.61	1.26	37.60	
16	5/8"	-10	G3/4"	-12	12,6	16,0	46,5	85,0	45,5	32	19,5	HCS-16-DKRF-12-090-S-M-W5
					.50	.63	1.83	3.35	1.79	1.26	42.89	
19	3/4"	-12	G3/4"	-12	14,8	19,1	54,0	100,0	54,5	36	35,1	HCS-19-DKRF-12-090-W-M-W5
					.58	.75	2.13	3.94	2.15	1.42	77.29	
25	1"	-16	G1"	-16	20,0	25,9	75,5	130,5	66,5	41	57,8	HCS-25-DKRF-16-090-W-M-W5
					.79	1.02	2.97	5.14	2.62	1.61	127.45	
31	1 1/4"	-20	G1 1/4"	-20	26,0	32,5	92,0	152,0	80,0	50	96,3	HCS-31-DKRF-20-090-W-M-W5
					1.02	1.28	3.62	5.98	3.15	1.97	212.23	

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 130



ECOVOS Version

Page 68

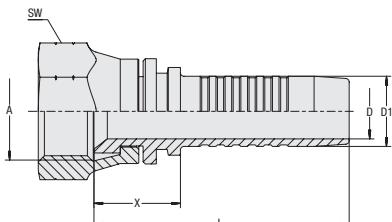


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Catalogue 4 • Edition 02/2025

131

## Straight Insert with Female UN/UNF Thread and 74° Conical Bore Type DKJ



**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** 74° Conical Bore  
**Standard** ISO 8434-2

**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	7/16"-20 UNF	-04	3,9 .15	6,7 .26	17,5 .69	47,5 1,87	17 .67	3,7 8,16	HCS-06-DKJ-04-W-M-W5
06	1/4"	-04	1/2"-20 UNF	-05	3,9 .15	6,7 .26	19,0 .75	49,0 1,93	17 .67	3,2 7,06	HCS-06-DKJ-05-S-M-W5
06	1/4"	-04	9/16"-18 UNF	-06	3,9 .15	6,7 .26	19,0 .75	49,0 1,93	19 .75	4,0 8,82	HCS-06-DKJ-06-S-M-W5
06	1/4"	-04	3/4"-16 UNF	-08	3,9 .15	6,7 .26	22,0 .87	52,0 2,05	24 .94	6,0 13,23	HCS-06-DKJ-08-S-M-W5
08	5/16"	-05	1/2"-20 UNF	-05	5,4 .21	8,0 .31	17,0 .67	47,0 1,85	19 .75	4,4 9,70	HCS-08-DKJ-05-W-M-W5
08	5/16"	-05	9/16"-18 UNF	-06	5,4 .21	8,0 .31	19,0 .75	49,0 1,93	22 .87	4,1 9,04	HCS-08-DKJ-06-S-M-W5
10	3/8"	-06	9/16"-18 UNF	-06	6,5 .26	9,6 .38	18,5 .73	52,0 2,05	22 .87	6,5 14,33	HCS-10-DKJ-06-W-M-W5
10	3/8"	-06	3/4"-16 UNF	-08	6,5 .26	9,6 .38	22,0 .87	55,5 2,19	24 .94	6,7 14,66	HCS-10-DKJ-08-S-M-W5
10	3/8"	-06	7/8"-14 UNF	-10	6,5 .26	9,6 .38	23,5 .93	57,0 2,24	27 1,06	8,6 18,96	HCS-10-DKJ-10-S-M-W5
12	1/2"	-08	3/4"-16 UNF	-08	9,5 .37	12,8 .50	21,5 .85	56,5 2,22	24 .94	10,8 23,81	HCS-12-DKJ-08-W-M-W5
12	1/2"	-08	7/8"-14 UNF	-10	9,5 .37	12,8 .50	24,0 .94	59,5 2,34	27 1,06	9,5 20,84	HCS-12-DKJ-10-S-M-W5
12	1/2"	-08	1 1/16"-12 UN	-12	9,5 .37	12,8 .50	24,5 .96	60,0 2,36	32 1,26	12,9 28,44	HCS-12-DKJ-12-S-M-W5
16	5/8"	-10	7/8"-14 UNF	-10	12,6 .50	16,0 .63	21,5 .85	59,5 2,34	27 1,06	13,6 29,99	HCS-16-DKJ-10-W-M-W5
16	5/8"	-10	3/4"-16 UNF	-08	12,6 .50	16,0 .63	21,5 .85	59,5 2,34	27 1,06	11,8 26,02	HCS-16-DKJ-08-W-M-W5
16	5/8"	-10	1 1/16"-12 UN	-12	12,6 .50	16,0 .63	24,5 .96	63,0 2,48	32 1,26	13,7 30,21	HCS-16-DKJ-12-S-M-W5
19	3/4"	-12	1 1/16"-12 UN	-12	14,8 .58	19,1 .75	23,0 .91	68,5 2,70	36 1,42	21,3 46,97	HCS-19-DKJ-12-W-M-W5
19	3/4"	-12	7/8"-14 UNF	-10	14,8 .58	19,1 .75	22,0 .87	67,5 2,66	27 1,06	15,9 35,06	HCS-19-DKJ-10-W-M-W5
19	3/4"	-12	1 5/16"-12 UN	-16	14,8 .58	19,1 .75	27,0 1,06	72,5 2,85	41 1,61	24,6 54,24	HCS-19-DKJ-16-S-M-W5
25	1"	-16	1 5/16"-12 UN	-16	20,0 .79	25,9 1,02	27,0 1,06	82,0 3,23	41 1,61	32,1 70,78	HCS-25-DKJ-16-W-M-W5
31	1 1/4"	-20	1 5/8"-12 UN	-20	26,0 1,02	32,5 1,28	32,0 1,26	92,0 3,62	50 1,97	53,1 117,09	HCS-31-DKJ-20-W-M-W5
38	1 1/2"	-24	1 7/8"-12 UN	-24	31,0 1,22	38,9 1,53	33,5 1,32	101,0 3,98	60 2,36	70,8 156,11	HCS-38-DKJ-24-W-M-W5
51	2"	-32	2 1/2"-12 UN	-32	40,0 1,57	51,6 2,03	40,0 1,57	115,0 4,53	75 2,95	163,5 360,52	HCS-51-DKJ-32-W-M-W5

### Related Products and Accessories



Swage Ferrules

Pages 92-95



45° Version

Page 133



ECOVOS Version

Page 69



90° Version

Page 134



MULTIVOS Version

Page 165



POWERVOS Version

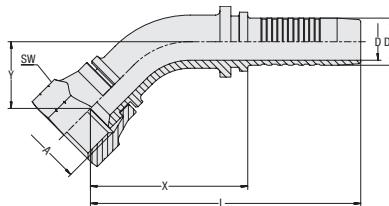
Page 181



**45° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore  
Type DKJ 45°**

**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** 74° Conical Bore  
**Standard** ISO 8434-2

**Material** Stainless Steel



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	D2	X	L	Y		
06	1/4"	-04	7/16"-20 UNF	-04	3,9 .15	6,7 .26	35,5 1,40	65,5 2,58	18,0 .71	17 .67	4,45 .18	HCS-06-DKJ-04-045-W-M-W5
06	1/4"	-04	1/2"-20 UNF	-05	3,9 .15	6,7 .26	33,5 1,32	63,5 2,50	13,5 .53	17 .67	3,8 .15	HCS-06-DKJ-05-045-S-M-W5
06	1/4"	-04	9/16"-18 UNF	-06	3,9 .15	6,7 .26	33,5 1,32	63,5 2,50	13,5 .53	19 .75	4,4 .17	HCS-06-DKJ-06-045-S-M-W5
08	5/16"	-05	1/2"-20 UNF	-05	5,4 .21	8,0 .31	40,0 1,57	70,0 2,76	18,0 .71	19 .75	5,9 .23	HCS-08-DKJ-05-045-W-M-W5
08	5/16"	-05	9/16"-18 UNF	-06	5,4 .21	8,0 .31	31,0 1,22	65,0 2,56	17,0 .67	19 .75	5,5 .22	HCS-08-DKJ-06-045-S-M-W5
10	3/8"	-06	9/16"-18 UNF	-06	6,5 .26	9,6 .38	40,0 1,57	73,5 2,89	20,5 .81	22 .87	8,65 .34	HCS-10-DKJ-06-045-W-M-W5
10	3/8"	-06	3/4"-16 UNF	-08	6,5 .26	9,6 .38	42,0 1,65	75,0 2,95	15,5 .61	24 .94	8,2 .32	HCS-10-DKJ-08-045-S-M-W5
12	1/2"	-08	3/4"-16 UNF	-08	9,5 .37	12,8 .50	46,5 1,83	82,0 3,23	23,0 .91	27 1,06	9,95 .39	HCS-12-DKJ-08-045-W-M-W5
12	1/2"	-08	7/8"-14 UNF	-10	9,5 .37	12,8 .50	43,5 1,71	79,0 3,11	17,5 .69	27 1,06	13,95 .55	HCS-12-DKJ-10-045-S-M-W5
16	5/8"	-10	7/8"-14 UNF	-10	12,6 .50	16,0 .63	54,0 2,13	92,0 3,62	26,5 1,04	30 1,18	19,0 .75	HCS-16-DKJ-10-045-W-M-W5
19	3/4"	-12	1 1/16"-12 UN	-12	14,8 .58	19,1 .75	59,0 2,32	105,0 4,13	26,0 1,02	36 1,42	29,9 1,18	HCS-19-DKJ-12-045-W-M-W5
25	1"	-16	1 5/16"-12 UN	-16	20,0 .79	25,9 1,02	83,0 3,27	138,0 5,43	32,0 1,26	41 1,61	49,8 1,96	HCS-25-DKJ-16-045-W-M-W5
31	1 1/4"	-20	1 5/8"-12 UN	-20	26,0 1,02	32,5 1,28	107,0 4,21	166,5 6,56	43,5 1,71	50 1,97	91,95 3,62	HCS-31-DKJ-20-045-W-M-W5
38	1 1/2"	-24	1 7/8"-12 UN	-24	31,0 1,22	38,9 1,53	133,0 5,24	200,5 7,89	57,0 2,24	55 2,17	131,85 5,19	HCS-38-DKJ-24-045-W-M-W5
51	2"	-32	2 1/2"-12 UN	-32	40,0 1,57	51,6 2,03	142,5 5,61	217,5 8,56	59,0 2,32	75 2,95	241,7 9,52	HCS-51-DKJ-32-045-W-M-W5

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 132



ECOVOS Version

Page 70



90° Version

Page 134



MULTIVOS Version

Page 166

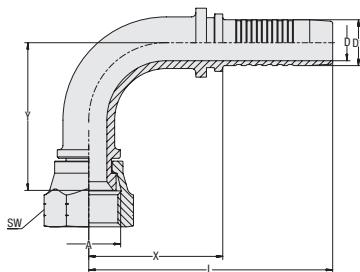


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Catalogue 4 • Edition 02/2025

133

## 90° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore Type DKJ 90°



**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** 74° Conical Bore  
**Standard** ISO 8434-2  
**Material** Stainless Steel

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	D2	X	L	Y		
06	1/4"	-04	7/16"-20	-04	3,9 .15	6,7 .26	25,5 1,00	55,5 2,19	33,5 1,32	17 .67	4,8 10,47	HCS-06-DKJ-04-090-W-M-W5
06	1/4"	-04	1/2"-20	-05	3,9 .15	6,7 .26	28,0 1,10	58,0 2,28	27,5 1,08	17 .67	4,1 8,93	HCS-06-DKJ-05-090-S-M-W5
06	1/4"	-04	9/16"-18	-06	3,9 .15	6,7 .26	28,0 1,10	58,0 2,28	27,5 1,08	19 .75	4,7 10,25	HCS-06-DKJ-06-090-S-M-W5
08	5/16"	-05	1/2"-20	-05	5,4 .21	8,0 .31	28,5 1,12	58,5 2,30	32,0 1,26	19 .75	6,2 13,67	HCS-08-DKJ-05-090-W-M-W5
08	5/16"	-05	9/16"-18	-06	5,4 .21	8,0 .31	30,0 1,18	60,0 2,36	27,0 1,06	22 .87	5,5 12,02	HCS-08-DKJ-06-090-S-M-W5
10	3/8"	-06	9/16"-18	-06	6,5 .26	9,6 .38	35,0 1,38	68,5 2,70	38,0 1,50	22 .87	9,8 21,50	HCS-10-DKJ-06-090-W-M-W5
10	3/8"	-06	3/4"-16	-08	6,5 .26	9,6 .38	38,0 1,50	71,5 2,81	34,5 1,36	24 .94	9,3 20,40	HCS-10-DKJ-08-090-S-M-W5
12	1/2"	-08	3/4"-16	-08	9,5 .37	12,8 .50	39,5 1,56	75,0 2,95	44,0 1,73	27 1,06	15,5 34,18	HCS-12-DKJ-08-090-S-M-W5
12	1/2"	-08	7/8"-14	-10	9,5 .37	12,8 .50	40,5 1,59	76,0 2,99	41,0 1,61	27 1,06	13,3 29,22	HCS-12-DKJ-10-090-S-M-W5
16	5/8"	-10	7/8"-14	-10	12,6 .50	16,0 .63	45,5 1,79	84,0 3,31	52,5 2,07	30 1,18	21,5 47,30	HCS-16-DKJ-10-090-W-M-W5
19	3/4"	-12	1 1/16"-12	-12	14,8 .58	19,1 .75	54,0 2,13	100,0 3,94	53,5 2,11	36 1,42	34,5 75,96	HCS-19-DKJ-12-090-W-M-W5
19	3/4"	-12	1 5/16"-12	-16	14,8 .58	19,1 .75	54,0 2,13	100,0 3,94	55,0 2,17	41 1,61	37,2 81,92	HCS-19-DKJ-16-090-S-M-W5
25	1"	-16	1 5/16"-12	-16	20,0 .79	25,9 1,02	75,0 2,95	130,0 5,12	68,5 2,70	41 1,61	57,3 126,35	HCS-25-DKJ-16-090-W-M-W5
31	1 1/4"	-20	1 5/8"-12	-20	26,0 1,02	32,5 1,28	91,5 3,60	151,5 5,96	93,5 3,68	50 1,97	107,3 236,60	HCS-31-DKJ-20-090-W-M-W5
38	1 1/2"	-24	1 7/8"-12	-24	31,0 1,22	38,9 1,53	116,5 4,59	184,0 7,24	107,5 4,23	55 2,17	156,2 344,42	HCS-38-DKJ-24-090-W-M-W5
51	2"	-32	2 1/2"-12	-32	40,0 1,57	51,6 2,03	121,5 4,78	196,5 7,74	134,0 5,28	75 2,95	275,5 607,48	HCS-51-DKJ-32-090-W-M-W5

Dimension Y  $\pm 2,5$  mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 132



45° Version

Page 133



ECOVOS Version

Page 71



MULTIVOS Version

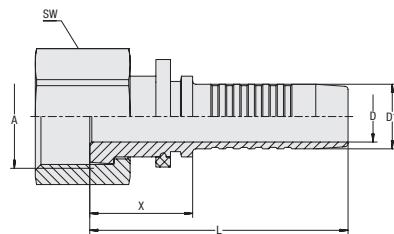
Page 167



Straight Insert with Female UN/UNF Thread for O-Ring Face Seal Connection  
 Type ORS

**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** O-Ring Face Seal  
**Standard** ISO 8434-3

**Material** Stainless Steel



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
10	3/8"	-06	11/16"-16 UN	-06	6,5	9,6	21,5	55,0	22	6,1	HCS-10-ORS-06-S-M-W5
					.26	.38	.85	2,17	.87	13,45	
10	3/8"	-06	13/16"-16 UN	-08	6,5	9,6	23,0	56,5	27	10,3	HCS-10-ORS-08-S-M-W5
					.26	.38	.91	2,22	1,06	22,71	
12	1/2"	-08	13/16"-16 UN	-08	9,5	12,8	23,5	59,0	27	10,5	HCS-12-ORS-08-S-M-W5
					.37	.50	.93	2,32	1,06	23,15	
16	5/8"	-10	1"-14 UNF	-10	12,6	16,0	25,5	64,0	30	13,1	HCS-16-ORS-10-S-M-W5
					.50	.63	1,00	2,52	1,18	28,78	

## Related Products and Accessories



Swage Ferrules

Pages 92-95



ECOVOS Version

Page 78



MULTIVOS Version

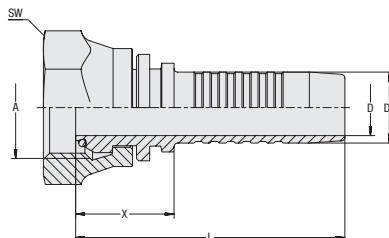
Page 168


[www.stauff.com/4/en/#135](http://www.stauff.com/4/en/#135)

Catalogue 4 • Edition 02/2025

135

## Straight Insert with Female BSPP Thread and 60° Taper / O-Ring Type DKOR



**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Taper with O-Ring  
**Standard** ISO 8434-6, BS 5200  
**Material** Stainless Steel  
**Sealing Material** FKM (Viton®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
06	1/4"	-04	G1/4"	-04	3,9 .15	6,7 .26	22,5 .89	52,5 2,07	19 .75	4,1 9,04	HSS-06-DKOR-04-S-OR-V-M-W5
08	5/16"	-05	G3/8"	-06	5,4 .21	8,0 .31	27,0 1,06	57,0 2,24	22 .87	5,8 12,68	HSS-08-DKOR-06-S-OR-V-M-W5
10	3/8"	-06	G3/8"	-06	6,5 .26	9,6 .38	24,0 .94	57,0 2,24	22 .87	6,2 13,56	HSS-10-DKOR-06-S-OR-V-M-W5
12	1/2"	-08	G1/2"	-08	9,5 .37	12,8 .50	27,5 1,08	62,5 2,46	27 1,06	10,2 22,49	HSS-12-DKOR-08-S-OR-V-M-W5
16	5/8"	-10	G5/8"	-10	12,6 .50	16,0 .63	24,0 .94	62,5 2,46	30 1,18	13,6 29,99	HSS-16-DKOR-10-S-OR-V-M-W5
16	5/8"	-10	G3/4"	-12	12,6 .50	16,0 .63	24,0 .94	62,5 2,46	32 1,26	14,2 31,20	HCS-16-DKOR-12-W-OR-V-M-W5
20	3/4"	-12	G3/4"	-12	14,8 .58	19,1 .75	28,0 1,10	74,0 2,91	32 1,26	22,4 49,28	HCS-19-DKOR-12-W-OR-V-M-W5
25	1"	-16	G1"	-16	14,8 .58	19,1 .75	31,5 1,24	86,5 3,41	41 1,61	33,1 72,99	HCS-25-DKOR-16-W-OR-V-M-W5
32	1 1/4"	-20	G1 1/4"	-20	26,0 1,02	32,5 1,28	35,0 1,38	94,5 3,72	50 1,97	51,9 114,44	HCS-31-DKOR-20-W-OR-V-M-W5
40	1 1/2"	-24	G1 1/2"	-24	31,0 1,22	38,9 1,53	35,5 1,40	103,0 4,06	55 2,17	68,3 150,60	HCS-38-DKOR-24-W-OR-V-M-W5
50	1 1/2"	-24	G2"	-32	40,0 1,57	51,6 2,03	37,5 1,48	112,5 4,43	70 2,76	135,4 298,45	HCS-51-DKOR-32-W-OR-V-M-W5

### Related Products and Accessories



Swage Ferrules

Pages 92-95



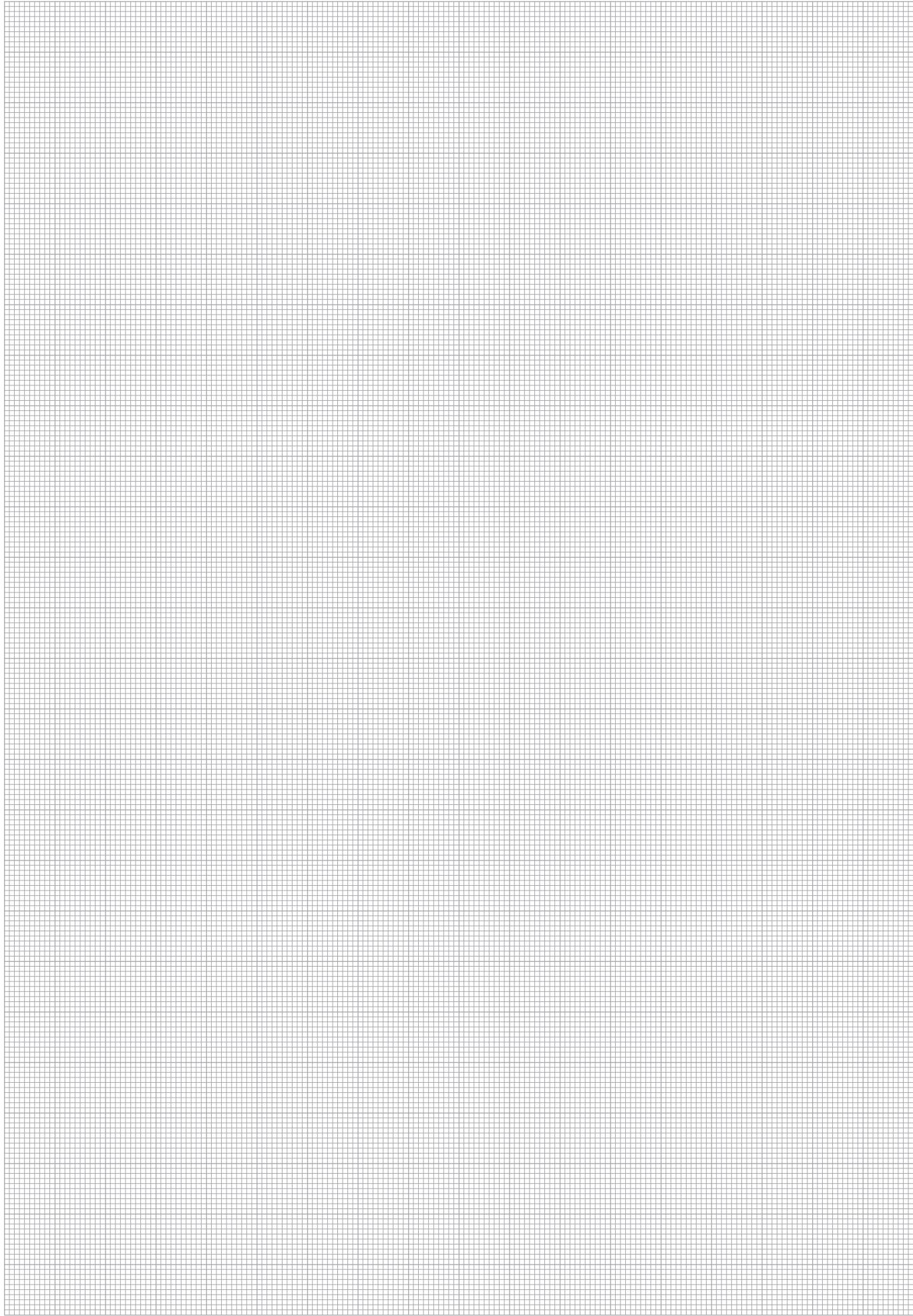
MULTIVOS Version



POWERVOS Version

Page 182



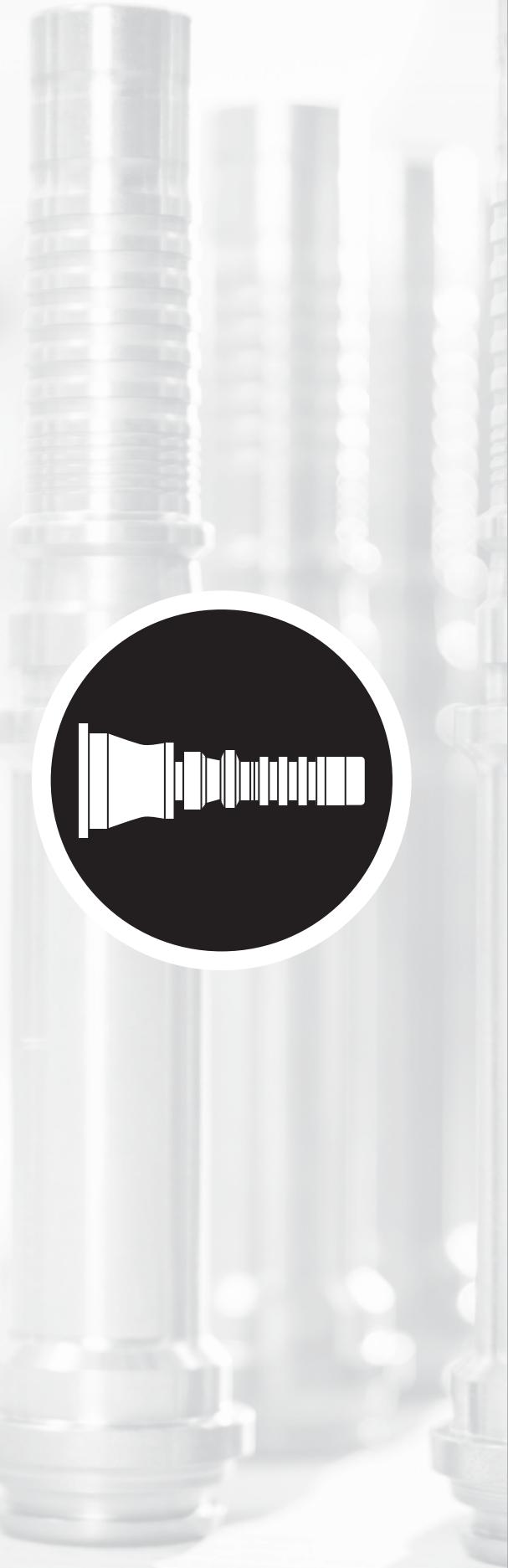


C

[www.stauff.com/4/en/#137](http://www.stauff.com/4/en/#137)

Catalogue 4 • Edition 02/2025

137

**Skive Swage Ferrule for Spiral Hose**

140

Suitable for Spiral Hose 4SP and 4SH

**Skive Swage Ferrule for Spiral Hose**

141

Suitable for Spiral Hose R15

**Straight Insert  
with Male Metric Thread and 24° Conical Bore  
CEL (Light Series)**

142

**Straight Insert  
with Male Metric Thread and 24° Conical Bore  
CES (Heavy Series)**

143

**Straight Insert  
with Female Metric Nut Thread and 24° Taper / O-Ring  
DKOL (Light Series)**

144

**45° Elbow Insert  
with Female Metric Nut Thread and 24° Taper / O-Ring  
DKOL 45° (Light Series)**

145

**90° Elbow Insert  
with Female Metric Nut Thread and 24° Taper / O-Ring  
DKOL 90° (Light Series)**

146

**Straight Insert  
with Female Metric Nut Thread and 24° Taper / O-Ring  
DKOS (Heavy Series)**

147

**45° Elbow Insert  
with Female Metric Nut Thread and 24° Taper / O-Ring  
DKOS 45° (Heavy Series)**

148

**90° Elbow Insert  
with Female Metric Nut Thread and 24° Taper / O-Ring  
DKOS 90° (Heavy Series)**

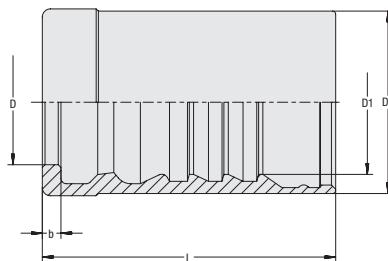
149

	Straight Insert with Male BSPP Thread and 60° Conical Bore AGR	150		Straight Insert with Female BSPP Thread and 60° Taper DKR	162
	Straight Insert with Male UN/UNF Thread and 74° Taper AGJ	151		45° Elbow Insert with Female BSPP Thread and 60° Taper DKR 45°	163
	Straight Insert with Male NPTF Thread and 60° Conical Bore AGN	152		90° Elbow Insert with Female BSPP Thread and 60° Taper DKR 90°	164
	Straight Insert with SAE Flange Adaptor SFL (3000 PSI Series)	153		Straight Insert with Female UN/UNF Thread and 74° Conical Bore DKJ	165
	45° Elbow Insert with SAE Flange Adaptor SFL 45° (3000 PSI Series)	154		45° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore DKJ 45°	166
	90° Elbow Insert with SAE Flange Adaptor SFL 90° (3000 PSI Series)	155		90° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore DKJ 90°	167
	Straight Insert with SAE Flange Adaptor SFS (6000 PSI Series)	156		Straight Insert with Female UN/UNF Thread for O-Ring Face Seal Connection ORS	168
	45° Elbow Insert with SAE Flange Adaptor SFS 45° (6000 PSI Series)	157		45° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection ORS 45°	169
	90° Elbow Insert with SAE Flange Adaptor SFS 90° (6000 PSI Series)	158		90° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection ORS 90°	170
	Straight Insert with SAE Flange Adaptor SFC (9000 PSI Series)	159		Straight Insert with Female BSPP Thread and 60° Taper / O-Ring DKOR	171
	45° Elbow Insert with SAE Flange Adaptor SFC 45° (9000 PSI Series)	160		45° Elbow Insert with Female BSPP Thread and 60° Taper / O-Ring DKOR 45°	172
	90° Elbow Insert with SAE Flange Adaptor SFC 90° (9000 PSI Series)	161		90° Elbow Insert with Female BSPP Thread and 60° Taper / O-Ring DKOR 90°	173

	Skive Swage Ferrule for Spiral Hose  Suitable for Spiral Hose R15	174		Straight Insert with SAE Flange Adaptor SFS (6000 PSI Series)	176
	Straight Insert with Male UN/UNF Thread and 74° Taper AGJ	174		45° Elbow Insert with SAE Flange Adaptor SFS 45° (6000 PSI Series)	176
	Straight Insert with SAE Flange Adaptor SFL (3000 PSI Series)	175		90° Elbow Insert with SAE Flange Adaptor SFS 90° (6000 PSI Series)	176
	45° Elbow Insert with SAE Flange Adaptor SFL 45° (3000 PSI Series)	175		Straight Insert with Female UN/UNF Thread and 74° Taper / O-Ring DKOJ	177
	90° Elbow Insert with SAE Flange Adaptor SFL 90° (3000 PSI Series)	175		45° Elbow Insert with Female UN/UNF Thread and 74° Taper / O-Ring DKOJ 45°	177
				90° Elbow Insert with Female UN/UNF Thread and 74° Taper / O-Ring DKOJ 90°	177



## Internal & External Skive Swage Ferrule for Spiral Hose 4SP and 4SH



**Ferrule Type** with Pull-Out Protection (Interlock)

**Suitable for Standards** 4SP, 4SH  
EN 856

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Maximum working pressures depending on the type of the hose connector and the hose type.

D

Hose Size			Dimensions (mm/in)				Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	D	D1	D2	L	b		
10	3/8"	-06	14,4	19,8	27,0	41,0	3,0	6,9	HF-5000-10-W3
			.57	.78	1,06	1,61	.12	15,21	
12	1/2"	-08	16,8	21,7	29,0	47,0	3,0	8,8	HF-5000-12-W3
			.66	.85	1,14	1,85	.12	19,40	
16	5/8"	-10	23,4	27,0	34,2	55,0	3,5	11,45	HF-5000-16-W3
			.92	1,06	1,35	2,17	.14	25,25	
19	3/4"	-12	26,0	30,6	38,8	68,0	4,4	17,3	HF-6000-19-W3
			1,02	1,20	1,53	2,68	.17	38,15	
25	1"	-16	31,9	39,0	50,0	73,0	4,4	33,9	HF-6000-25-W3
			1,26	1,54	1,97	2,87	.17	74,75	
31	1 1/4"	-20	37,5	44,8	55,6	81,0	4,9	44,6	HF-5000-31-W3
			1,48	1,76	2,19	3,19	.19	98,34	
38	1 1/2"	-24	44,0	51,6	62,4	96,0	4,9	58,4	HF-5000-38-W3
			1,73	2,03	2,46	3,78	.19	128,77	
51	2"	-32	58,0	66,0	77,4	98,5	5,9	85,1	HF-5001-51-W3
			2,28	2,60	3,05	3,88	.23	187,65	

### Related Products and Accessories



Test Mandrels

Pages 185-187



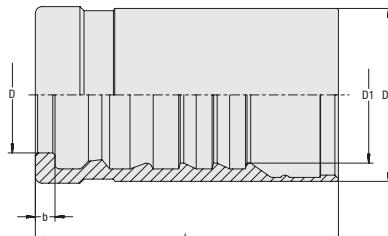
**Internal & External Skive Swage Ferrule for Spiral Hose R15**

**Ferrule Type** with Pull-Out Protection (Interlock)

**Suitable for Standards** R15  
SAE 100 R15

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Maximum working pressures depending on the type of the hose connector and the hose type.



Hose Size			Dimensions (mm/in)				Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	D	D1	D2	L	b		
19	3/4"	-12	26	30,6	38,8	68,0	4,4	17,3	HF-6000-19-W3
			1.02	1.20	1.53	2.68	.17	38.15	
25	1"	-16	31,9	39,0	50,0	73,0	4,4	33,9	HF-6000-25-W3
			1.26	1.54	1.97	2.87	.17	74.75	
31	1 1/4"	-20	41,3	48,6	61,4	81,0	4,9	43,3	HF-6001-31-W3
			1.63	1.91	2.42	3.19	.19	95.48	
38	1 1/2"	-24	46,7	58,5	69,5	92,0	4,9	68,9	HF-6000-38-W3
			1.84	2.30	2.74	3.62	.19	151.92	
51	2"	-32	58,0	71,1	82,5	98,5	5,9	92,9	HF-6001-51-W3 <sup>1</sup>
			2.28	2.80	3.25	3.88	.23	204.73	

<sup>1</sup> Designed for use with spiral hose R13 according to SAE 100 R13.

Please see pages 174-177 for the MULTIVOS-8 range in DN 51, designed for use with spiral hose R15 according to SAE 100 R15.

**Related Products and Accessories**


Test Mandrels

Pages 185-187

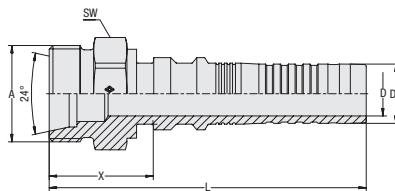


[www.stauff.com/4/en/#141](http://www.stauff.com/4/en/#141)

Catalogue 4 • Edition 02/2025

141

## Straight Insert with Male Metric Thread and 24° Conical Bore Type CEL (Light Series)



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	Male Metric Thread
<b>Sealing Type</b>	24° Conical Bore (Shape W acc. to DIN 3861)
<b>Standard</b>	ISO 8434-1
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
10	3/8"	-06	M18X1,5	-06	6,5 .26	9,6 .38	24,5 .96	66,0 2,60	19,0 .75	4,5 9,81	HCI-10-CE-12L-M-W3
12	1/2"	-08	M22X1,5	-08	9,0 .35	12,5 .49	26,0 1,02	73,0 2,87	22,0 .87	7,4 16,21	HCI-12-CE-15L-M-W3
16	5/8"	-10	M26x1,5	-10	12,0 .47	16,0 .63	28,0 1,10	85,5 3,37	27,0 1,06	11,6 25,58	HCI-16-CE-18L-M-W3
19	3/4"	-12	M30x2	-12	14,8 .58	18,8 .74	31,5 1,24	104,0 4,09	30,0 1,18	17,4 38,26	HCI-19-CE-22L-M-W3
25	1"	-16	M36x2	-16	19,5 .77	25,1 .99	32,0 1,26	111,5 4,39	36,0 1,42	27,7 61,08	HCI-25-CE-28L-M-W3
25	1"	-16	M45x2	20	19,5 .77	25,1 .99	36,0 1,42	115,5 4,55	46,0 1,81	38,7 85,33	HCI-25-CE-35L-M-W3
31	1 1/4"	-20	M45x2	-20	25,0 .98	31,8 1,25	37,0 1,46	115,0 4,53	46,0 1,81	45,4 100,00	HCI-31-CE-35L-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 140-141



ECOVOS Version

Page 22



ECOVOS VA Version

Page 102



Straight Insert with Male Metric Thread and 24° Conical Bore  
 Type CES (Heavy Series)

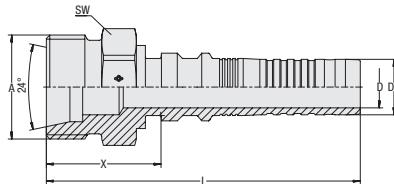
**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Male Metric Thread

**Sealing Type** 24° Conical Bore  
 (Shape W acc. to DIN 3861)

**Standard** ISO 8434-1

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating


Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
10	3/8"	-06	M22x1,5	-06	6,5 .26	9,6 .38	28,0 1.10	69,5 2.74	22,0 .87	6,8 14.99	HCI-10-CE-14S-M-W3
10	3/8"	-06	M20x1,5	-05	6,5 .26	9,6 .38	26,0 1.02	67,5 2.66	22 .87	6,2 13.67	HCI-10-CE-12S-M-W3
12	1/2"	-08	M24x1,5	-08	9,0 .35	12,5 .49	28,0 1.10	75,0 2.95	24 .94	8,7 19.18	HCI-12-CE-16S-M-W3
12	1/2"	-08	M30x2	-10	9,0 .35	12,5 .49	32,0 1.26	79,0 3.11	30 1.18	13,0 28.67	HCI-12-CE-20S-M-W3
16	5/8"	-10	M30x2	-10	12,0 .47	16,0 .63	33,0 1.30	90,5 3.56	30,0 1.18	15,2 33.52	HCI-16-CE-20S-M-W3
19	3/4"	-12	M36x2	-12	14,8 .58	18,8 .74	36,5 1.44	109,0 4.29	36,0 1.42	23,5 51.82	HCI-19-CE-25S-M-W3
19	3/4"	-12	M30x2	-10	14,8 .58	18,8 .74	33,5 1.32	106,0 4.17	30,0 1.18	17,9 39.47	HCI-19-CE-20S-M-W3
25	1"	-16	M42x2	-16	19,5 .77	25,1 .99	39,5 1.56	119,0 4.69	46,0 1.81	39,6 87.32	HCI-25-CE-30S-M-W3
31	1 1/4"	-20	M52x2	-20	25,0 .98	31,8 1.25	45,0 1.77	123,0 4.84	55,0 2.17	64,1 141.34	HCI-31-CE-38S-M-W3

**D**

## Related Products and Accessories



Swage Ferrules

Pages 140-141



ECOVOS Version

Page 23



ECOVOS VA Version

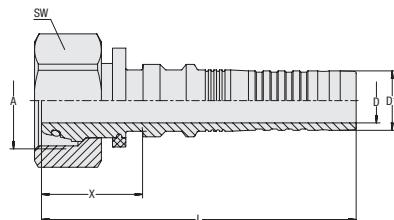
Page 103


[www.stauff.com/4/en/#143](http://www.stauff.com/4/en/#143)

Catalogue 4 • Edition 02/2025

143

**Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring  
Type DKOL (Light Series)**



**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,6 .38	25,0 .98	66,5 2,62	22,0 .87	6,3 13,78	HCI-10-DKO-12L-S-OR-B-M-W3
12	1/2"	-08	M22x1,5	-08	9,0 .35	12,5 .49	23,5 .93	70,5 2,78	27,0 1,06	9,7 21,28	HCI-12-DKO-15L-S-OR-B-M-W3
16	5/8"	-10	M26x1,5	-10	12,0 .47	16,0 .63	27,0 1,06	84,5 3,33	32,0 1,26	14,9 32,85	HCI-16-DKO-18L-S-OR-B-M-W3
16	5/8"	-10	M30x2	-12	12,0 .47	16,0 .63	28,5 1,12	86,0 3,39	36,0 1,42	19,3 42,56	HCI-16-DKO-22L-S-OR-B-M-W3
31	1 1/4"	-20	M45x2	-20	25,0 .98	31,8 1,25	34,0 1,34	112,0 4,41	50,0 1,97	50,9 112,12	HCI-31-DKO-35L-S-OR-B-M-W3

**Related Products and Accessories**



Swage Ferrules

Pages 140-141



45° Version

Page 145



ECOVOS Version

Pages 24-25



90° Version

Page 146



ECOVOS VA Version

Page 107

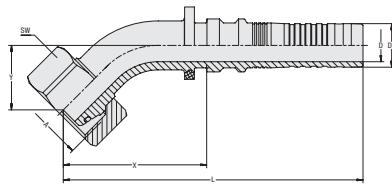


**45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring  
Type DKOL 45° (Light Series)**

**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca.	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex) per 100		
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,6 .38	40,0 1.57	81,5 3.21	17,5 .69	22,0 .87	7,6 16,65	HCI-10-DKO-12L-045-S-OR-B-M-W3
10	3/8"	-06	M22x1,5	-08	6,5 .26	9,6 .38	40,0 1.57	81,5 3.21	18,5 .73	27 1.06	10,0 21,94	HCI-10-DKO-15L-045-S-OR-B-M-W3
12	1/2"	-08	M22x1,5	-08	9,0 .35	12,5 .49	44 1.73	91 3.58	21,0 .83	27 1.06	12,1 26,57	HCI-12-DKO-15L-045-S-OR-B-M-W3
16	5/8"	-10	M26x1,5	-10	12,0 .47	16,0 .63	52,5 2.07	110,0 4.33	24,0 .94	32 1.26	18,7 41,12	HCI-16-DKO-18L-045-S-OR-B-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 144



ECOVOS Version

Pages 26-27



90° Version

Page 146

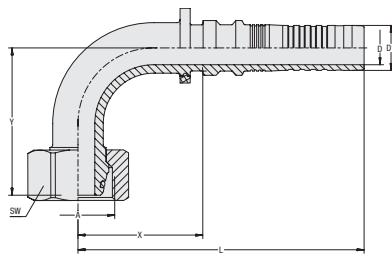


ECOVOS VA Version

Page 108



## 90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOL 90° (Light Series)



**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
10	3/8"	-06	M18x1,5	-06	6,5 .26	9,6 .38	36,0 1,42	77,5 3,05	36,0 1,42	22,0 .87	8,7 19,07	HCI-10-DKO-12L-090-S-OR-B-M-W3
10	3/8"	-06	M22x1,5	-08	6,5 .26	9,6 .38	36,0 1,42	77,5 3,05	36,0 1,42	27 1,06	11,1 24,37	HCI-10-DKO-15L-090-S-OR-B-M-W3
12	1/2"	-08	M22x1,5	-08	9,0 .35	12,5 .49	38,5 1,52	85,5 3,37	42,0 1,65	27 1,06	13,8 30,43	HCI-12-DKO-15L-090-S-OR-B-M-W3
16	5/8"	-10	M26x1,5	-10	12,0 .47	16,0 .63	49,0 1,93	102,0 4,02	52,5 2,07	32 1,26	21,3 46,97	HCI-16-DKO-18L-090-S-OR-B-M-W3
19	3/4"	-12	M30x2	-12	14,8 .58	18,8 .74	55,5 2,19	128,0 5,04	57,0 2,24	36 1,42	32,5 71,66	HCI-19-DKO-22L-090-S-OR-B-M-W3
31	1 1/4"	-20	M45x2	-20	25,0 .98	31,8 1,25	87,5 3,44	165,5 6,52	81,0 3,19	50 1,97	93,3 205,62	HCI-31-DKO-35L-090-S-OR-B-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 144



ECOVOS Version

Pages 28-29



45° Version

Page 145



ECOVOS VA Version

Page

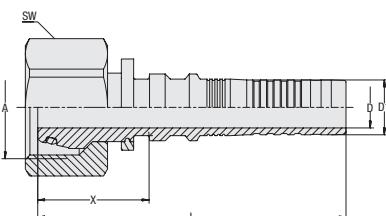


**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

### Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOS (Heavy Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
10	3/8"	-06	M22x1,5	-06	6,5 .26	9,6 .38	29,0 1,14	70,5 2,78	27 1,06	10,0 22.05	HCI-10-DKO-14S-S-OR-B-M-W3
10	3/8"	-06	M18x1,5	-04	6,5 .26	9,6 .38	27,0 1,06	68,5 2,70	22 .87	6,6 14.44	HCI-10-DKO-10S-W-OR-B-M-W3
10	3/8"	-06	M20x1,5	-05	6,5 .26	9,6 .38	25,0 .98	66,5 2,62	24 .94	7,3 15.99	HCI-10-DKO-12S-S-OR-B-M-W3
12	1/2"	-08	M24x1,5	-08	9,0 .35	12,5 .49	30,0 1,18	77,0 3,03	30 1,18	13,4 29.44	HCI-12-DKO-16S-S-OR-B-M-W3
12	1/2"	-08	M30x2	-10	9,0 .35	12,5 .49	31,5 1,24	78,5 3,09	36 1,42	20,1 44.21	HCI-12-DKO-20S-S-OR-B-M-W3
16	5/8"	-10	M30x2	-10	12,0 .47	16,0 .63	32,5 1,28	90,0 3,54	36 1,42	21,2 46.64	HCI-16-DKO-20S-S-OR-B-M-W3
16	5/8"	-10	M24x1,5	-08	12,0 .47	16,0 .63	26,0 1,02	83,5 3,29	30 1,18	15,0 33.08	HCI-16-DKO-16S-W-OR-B-M-W3
16	5/8"	-10	M36x2	-12	12,0 .47	16,0 .63	31,5 1,24	89,0 3,50	41 1,61	28,9 63.61	HCI-16-DKO-25S-S-OR-B-M-W3
19	3/4"	-12	M36x2	-12	14,8 .58	18,8 .74	35,5 1,40	108 4,25	41 1,61	30,1 66.37	HCI-19-DKO-25S-S-OR-B-M-W3-SW41
19	3/4"	-12	M30x2	-10	14,8 .58	18,8 .74	30,5 1,20	103,0 4,06	36 1,42	23,9 52.59	HCI-19-DKO-20S-W-OR-B-M-W3
19	3/4"	-12	M42x2	-16	14,8 .58	18,8 .74	37,5 1,48	110,0 4,33	50 1,97	46,6 102.75	HCI-19-DKO-30S-S-OR-B-M-W3
19	3/4"	-12	M36x2	-12	14,8 .58	18,8 .74	31,5 1,24	104,0 4,09	46 1,81	38,0 83.68	HCI-19-DKO-25S-S-OR-B-M-W3
25	1"	-16	M42x2	-16	19,5 .77	25,1 .99	37,5 1,48	117,0 4,61	50 1,97	49,9 110.03	HCI-25-DKO-30S-S-OR-B-M-W3
25	1"	-16	M36x2	-12	19,5 .77	25,1 .99	31,5 1,24	111,0 4,37	41 1,61	37,0 81.47	HCI-25-DKO-25S-W-OR-B-M-W3
25	1"	-16	M52x2	-20	19,5 .77	25,1 .99	41,0 1,61	120,5 4,74	60 2,36	74,5 164.27	HCI-25-DKO-38S-S-OR-B-M-W3
31	1 1/4"	-20	M52x2	-20	25,0 .98	31,8 1,25	41,5 1,63	119,5 4,70	60 2,36	76,5 168.57	HCI-31-DKO-38S-S-OR-B-M-W3
31	1 1/4"	-20	M42x2	-16	25,0 .98	31,8 1,25	33,5 1,32	111,5 4,39	50 1,97	58,1 128.11	HCI-31-DKO-30S-W-OR-B-M-W3
19	3/4"	-12	M42x2	-16	14,8 .58	18,8 .74	48,5 1,91	121,0 4,76	50 1,97	47,3 104.30	HCI-19-DKO-30S-S-OR-B-B-W3
25	1"	-16	M36x2	-12	19,5 .77	25,1 .99	64,0 2,52	143,5 5,65	46 1,81	61,5 135.61	HCI-25-DKO-25S-S-OR-B-B-W3
25	1"	-16	M52x2	-20	19,5 .77	25,1 .99	55,0 2,17	134,5 5,30	60 2,36	76,3 168.24	HCI-25-DKO-38S-S-OR-B-B-W3
31	1 1/4"	-20	M42x2	-16	25,0 .98	31,8 1,25	72,0 2,83	150,0 5,91	50 1,97	86,2 190.07	HCI-31-DKO-30S-S-OR-B-B-W3
38	1 1/2"	-24	M52x2	-20	31,0 1,22	38,3 1,51	70,5 2,78	163,5 6,44	60 2,36	118,0 260.08	HCI-38-DKO-38S-S-OR-B-B-W3

#### Related Products and Accessories



**Swage Ferrules**

Pages 140-141



**45° Version**

Page 148



**ECOVOS Version**

Pages 30-31



**90° Version**

Page 149



**ECOVOS VA Version**

Page 108

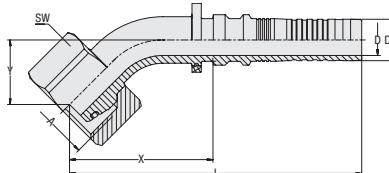


**POWERVOS Version**

Page 180



## 45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOS 45° (Heavy Series)



**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
10	3/8"	-06	M20x1,5	-05	6,5 .26	9,6 .38	40,0 1,57	81,5 3,21	17,5 .69	24 .94	8,5 18,74	HCI-10-DKO-12S-045-S-OR-B-M-W3
10	3/8"	-06	M22x1,5	-06	6,5 .26	9,6 .38	43,5 1,71	85,0 3,35	21,0 .83	27 1,06	11,4 25,03	HCI-10-DKO-14S-045-S-OR-B-M-W3
12	1/2"	-08	M24x1,5	-08	9,0 .35	12,5 .49	49,0 1,93	95,0 3,74	22,5 .89	30 1,18	15,7 34,51	HCI-12-DKO-16S-045-S-OR-B-M-W3
12	1/2"	-08	M30x2	-10	9,0 .35	12,5 .49	52,5 2,07	99,5 3,92	27,5 1,08	30 1,18	22,5 49,61	HCI-12-DKO-20S-045-W-OR-B-M-W3
16	5/8"	-10	M30x2	-10	12,0 .47	16,0 .63	55,5 2,19	113,0 4,45	25,0 .98	36 1,42	24,6 54,13	HCI-16-DKO-20S-045-S-OR-B-M-W3
19	3/4"	-12	M30x2	-10	14,8 .58	18,8 .74	70,0 2,76	142,5 5,61	30,5 1,20	36 1,42	36,0 79,38	HCI-19-DKO-20S-045-S-OR-B-B-W3
19	3/4"	-12	M36x2	-12	14,8 .58	18,8 .74	64,5 2,54	137,5 5,41	29,0 1,14	46 1,81	43,9 96,69	HCI-19-DKO-25S-045-S-OR-B-M-W3
19	3/4"	-12	M42x2	-16	14,8 .58	18,8 .74	80,5 3,17	153,0 6,02	35,0 1,38	50 1,97	60,0 132,30	HCI-19-DKO-30S-045-S-OR-B-B-W3
19	3/4"	-12	M36x2	-12	14,8 .58	18,8 .74	64,5 2,54	137,5 5,41	29,0 1,14	41 1,61	36,0 79,38	HCI-19-DKO-25S-045-S-OR-B-M-W3-SW41
25	1"	-16	M36x2	-12	19,5 .77	25,1 .99	83,0 3,27	162,5 6,40	35,0 1,38	46 1,81	68,2 150,27	HCI-25-DKO-25S-045-S-OR-B-B-W3
25	1"	-16	M42x2	-16	19,5 .77	25,1 .99	80,5 3,17	160,0 6,30	36,5 1,44	50 1,97	63,9 140,79	HCI-25-DKO-30S-045-S-OR-B-M-W3
25	1"	-16	M52x2	-20	19,5 .77	25,1 .99	94,0 3,70	173,5 6,83	39,5 1,56	60 2,36	100,1 220,72	HCI-25-DKO-38S-045-S-OR-B-B-W3
31	1 1/4"	-20	M42x2	-16	25,0 .98	31,8 1,25	96,0 3,78	174,0 6,85	39,0 1,54	50 1,97	98,1 216,20	HCI-31-DKO-30S-045-S-OR-B-B-W3
31	1 1/4"	-20	M52x2	-20	25,0 .98	31,8 1,25	98,5 3,88	176,5 6,95	41,5 1,63	60 2,36	102,3 225,46	HCI-31-DKO-38S-045-S-OR-B-M-W3
38	1 1/2"	-24	M52x2	-20	31,0 1,22	38,3 1,51	113,5 4,47	206,0 8,11	47,5 1,87	60 2,36	147,0 324,14	HCI-38-DKO-38S-045-S-OR-B-B-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 147



ECOVOS Version

Pages 32-33



90° Version

Page 149



ECOVOS VA Version

Page 111

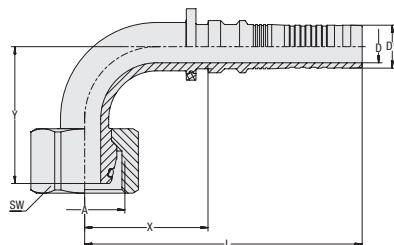


**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female Metric Nut Thread  
**Sealing Type** 24° Taper with O-Ring  
**Standard** ISO 8434-1

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

### 90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring Type DKOS 90° (Heavy Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
10	3/8"	-06	M20x1,5	-05	6,5	9,6	36,0	77,5	36,0	24	9,6
					.26	.38	1.42	3.05	1.42	.94	21.17
10	3/8"	-06	M22x1,5	-06	6,5	9,6	37,0	77,5	41,0	27	12,5
					.26	.38	1.46	3.05	1.61	1.06	27.56
12	1/2"	-08	M24x1,5	-08	9,0	12,5	40,0	87,0	46,0	30	17,4
					.35	.49	1.57	3.43	1.81	1.18	38.26
12	1/2"	-08	M30x2	-10	9,0	12,5	39,5	86,5	51,5	36	24,1
					.35	.49	1.56	3.41	2.03	1.42	53.14
16	5/8"	-10	M30x2	-10	12,0	16,0	46,0	103,5	51,5	36	26,8
					.47	.63	1.81	4.07	2.03	1.42	59.09
19	3/4"	-12	M36x2	-12	14,8	18,8	54,5	127,0	58,5	46	47,7
					.58	.74	2.15	5.00	2.30	1.81	105.18
19	3/4"	-12	M36x2	-12	14,8	18,8	54,5	127,0	58,5	41	39,8
					.58	.74	2.15	5.00	2.30	1.61	87.76
19	3/4"	-12	M30x2	-10	14,8	18,8	54,5	127,0	58,0	36	38,3
					.58	.74	2.15	5.00	2.28	1.42	84.45
19	3/4"	-12	M42x2	-16	14,8	18,8	67,0	139,5	71,5	50	66,1
					.58	.74	2.64	5.49	2.81	1.97	145.75
25	1"	-16	M42x2	-16	19,5	25,1	68,0	147,5	74,0	50	71,9
					.77	.99	2.68	5.81	2.91	1.97	158.43
25	1"	-16	M36x2	-12	19,5	25,1	70,0	149,5	71,0	46	74,1
					.77	.99	2.76	5.89	2.80	1.81	163.39
25	1"	-16	M52x2	-20	19,5	25,1	80,5	160,0	82,5	60	111,0
					.77	.99	3.17	6.30	3.25	2.36	244.64
31	1 1/4"	-20	M52x2	-20	25,0	31,8	84,5	162,5	87,0	60	115,2
					.98	1.25	3.33	6.40	3.43	2.36	254.02
31	1 1/4"	-20	M42x2	-16	25,0	31,8	83,0	161,0	82,0	50	108,9
					.98	1.25	3.27	6.34	3.23	1.97	240.12
38	1 1/2"	-24	M52x2	-20	31,0	38,3	99,0	192,0	100,5	60	168,2
					1.22	1.51	3.90	7.56	3.96	2.36	370.88

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 92-95



Straight Version

Page 147



ECOVOS Version

Pages 34-35



45° Version

Page 148



ECOVOS VA Version

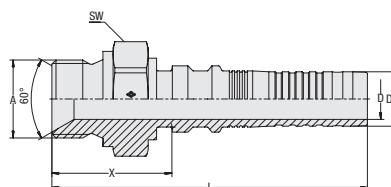
Page 112



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Catalogue 4 • Edition 02/2025

## Straight Insert with Male BSPP Thread and 60° Conical Bore Type AGR



**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Male BSPP Thread  
**Sealing Type** 60° Conical Bore  
**Standard** ISO 8434-6, BS 5200

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

D

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
10	3/8"	-06	G 3/8"	-06	6,5 .26	9,6 .38	29,0 1,14	70,5 2,78	22 .87	6,6 14,55	HCI-10-AGR-06-M-W3
12	1/2"	-08	G1/2"	-08	9,0 .35	12,5 .49	32,5 1,28	79,5 3,13	27 1,06	11,0 24,14	HCI-12-AGR-08-M-W3
16	5/8"	-10	G5/8"	-10	12,0 .47	16,0 .63	35,5 1,40	93,0 3,66	30 1,18	15,0 33,08	HCI-16-AGR-10-M-W3
19	3/4"	-12	G 3/4"	-12	14,8 .58	18,8 .74	37,0 1,46	109,5 4,31	32 1,26	19,7 43,44	HCI-19-AGR-12-M-W3
25	1"	-16	G 1"	-16	19,5 .77	25,1 .99	41,5 1,63	121,0 4,76	41 1,61	35,7 78,61	HCI-25-AGR-16-M-W3
31	1 1/4"	-20	G 1 1/4"	-20	25,0 .98	31,8 1,25	44,0 1,73	122,0 4,80	50 1,97	54,5 120,17	HCI-31-AGR-20-M-W3
38	1 1/2"	-24	G 1 1/2"	-24	31,0 1,22	38,3 1,51	49,5 1,95	142,5 5,61	55 2,17	73,9 162,84	HCI-38-AGR-24-M-W3
51	2"	-32	G 2"	-32	40,0 1,57	50,6 1,99	58,0 2,28	154,0 6,06	70 2,76	140,3 309,25	HCI-51-AGR-32-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 140-141



ECOVOS Version

Page 47



ECOVOS VA Version

Page 116



**Insert Type** with Pull-Out Protection (Interlock)

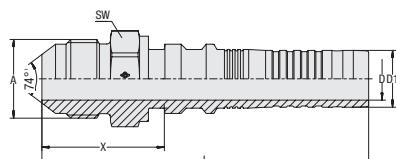
**Connection Type** Male UN/UNF Thread

**Sealing Type** 74° Taper

**Standard** ISO 8434-2

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
10	3/8"	-06	9/16"-18UNF	-06	6,5 .26	9,6 .38	26,5 1,04	68,0 2,68	17 .67	4,2 .16	HCI-10-AGJ-06-M-W3
10	3/8"	-06	3/4"-16 UNF	-08	6,5 .26	9,6 .38	30,5 1,20	72,0 2,83	22 .87	6,4 .25	HCI-10-AGJ-08-M-W3
12	1/2"	-08	3/4"-16 UNF	-08	9,0 .35	12,5 .49	30,5 1,20	77,0 3,03	22 .87	7,6 .30	HCI-12-AGJ-08-M-W3
12	1/2"	-08	7/8"-14 UNF	-10	9,0 .35	12,5 .49	33,5 1,32	80,5 3,17	24 .94	10,0 .39	HCI-12-AGJ-10-M-W3
16	5/8"	-10	7/8"-14 UNF	-10	12,0 .47	16,0 .63	34,5 1,36	92,0 3,62	24 .94	11,3 .44	HCI-16-AGJ-10-M-W3
16	5/8"	-10	1.1/16"-12 UN	-12	12,0 .47	16,0 .63	39,5 1,56	97,0 3,82	30 1,18	17,6 .69	HCI-16-AGJ-12-M-W3
19	3/4"	-12	1.1/16"-12 UN	-12	14,8 .58	18,8 .74	39,5 1,56	112,0 4,41	30 1,18	18,6 .73	HCI-19-AGJ-12-M-W3
25	1"	-16	1.5/16"-12 UN	-16	19,5 .77	25,1 .99	42,0 1,65	121,5 4,78	36 1,42	31,3 1,23	HCI-25-AGJ-16-M-W3
31	1 1/4"	-20	1.5/8"-12 UN	-20	25,0 .98	31,8 1,25	46,5 1,83	124,5 4,90	46 1,81	51,4 2,02	HCI-31-AGJ-20-M-W3
38	1 1/2"	-24	1.7/8"-12 UN	-24	31,0 1,22	38,3 1,51	52,0 2,05	145,0 5,71	50 1,97	69,0 2,72	HCI-38-AGJ-24-M-W3
51	2"	-32	2 1/2"-12 UN	-32	40,0 1,57	50,6 1,99	64,5 2,54	160,5 6,32	65 2,56	143,4 5,65	HCI-51-AGJ-32-M-W3

D

### Related Products and Accessories



Swage Ferrules

Pages 140-141



ECOVOS Version

Page 50



ECOVOS VA Version

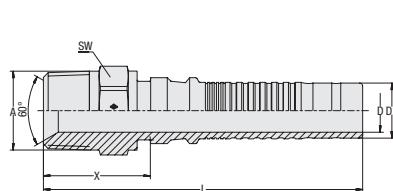
Page 117



www.stauff.com/4/en/#151

Catalogue 4 • Edition 02/2025

## Straight Insert with Male NPTF Thread and 60° Conical Bore Type AGN



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	Male NPTF Thread
<b>Sealing Type</b>	Tapered Thread and 60° Conical Bore
<b>Standard</b>	SAE J 516
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
19	3/4"	-12	3/4"-14 NPTF	-12	14,8 .58	18,8 .74	36,5 1.44	109,0 4.29	27 1.06	17,5 38,59	HCI-19-AGN-12-M-W3
					.77	.99	1.63	4.76	1.42	70,67	
25	1"	-16	1"-11,5 NPTF	-16	19,5 .77	25,1 .99	41,5 1.79	121,0 4.92	36 1.81	32,1 107,38	HCI-25-AGN-16-M-W3
					.77	.99	1.63	4.76	1.42	70,67	
25	1"	-16	1 1/4"-11,5 NPTF	-20	19,5 .77	25,1 .99	45,5 1.79	125,0 4.92	46 1.81	48,7 107,38	HCI-25-AGN-20-M-W3
					.77	.99	1.79	4.92	1.81	107,38	
31	1 1/4"	-20	1 1/4"-11,5 NPTF	-20	25,0 .98	31,8 1.25	44,5 1.75	122,5 4.82	46 1.81	52,1 114,77	HCI-31-AGN-20-M-W3
					.98	1.25	1.75	4.82	1.81	114,77	
31	1 1/4"	-20	2"-11,5 NPTF	-32	25,0 .98	31,8 1.25	53,5 2.11	131,5 5.18	65 2.56	102,6 226,12	HCI-31-AGN-32-M-W3
					.98	1.25	2.11	5.18	2.56	226,12	
38	1 1/2"	-24	1 1/2"-11,5 NPTF	-24	31,0 1.22	38,3 1.51	47,5 1.87	140,5 5.53	50 1.97	67,3 148,29	HCI-38-AGN-24-M-W3
					1.22	1.51	1.87	5.53	1.97	148,29	
51	2"	-32	2"-11,5 NPTF	-32	40,0 1.57	50,6 1.99	53,5 2.11	149,5 5.89	65 2.56	134,0 295,47	HCI-51-AGN-32-M-W3
					1.57	1.99	2.11	5.89	2.56	295,47	

### Related Products and Accessories



Swage Ferrules

Pages 140-141



ECOVOS Version

Page 56



ECOVOS VA Version

Page 120



**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** SAE Flange Adaptor

**Sealing Type** O-Ring Face Seal  
(O-Ring not included in delivery.)

**Standard** SAE J 518, ISO 6162-1

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating



### Straight Insert with SAE Flange Adaptor Type SFL (3000 PSI Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L		
12	1/2"	-08	1/2"	-08	9,0 .35	12,5 .49	30,2 1,19	43,5 1,71	90,5 3,56	12,7 27,89	HCI-12-SFL-08-M-W3
12	1/2"	-08	3/4"	-12	9,0 .35	12,5 .49	38,1 1,50	44,0 1,73	91,0 3,58	18,9 41,67	HCI-12-SFL-12-M-W3
16	5/8"	-10	3/4"	-12	12,0 .47	16,0 .63	38,1 1,50	45,0 1,77	102,5 4,04	20,6 45,42	HCI-16-SFL-12-M-W3
16	5/8"	-10	1"	-16	12,0 .47	16,0 .63	44,5 1,75	45,5 1,79	103,0 4,06	26,2 57,77	HCI-16-SFL-16-M-W3
19	3/4"	-12	3/4"	-12	14,8 .58	18,8 .74	38,1 1,50	45,5 1,79	118,0 4,65	23,4 51,49	HCI-19-SFL-12-M-W3
19	3/4"	-12	1"	-16	14,8 .58	18,8 .74	44,5 1,75	40,5 1,59	113,0 4,45	25,1 55,35	HCI-19-SFL-16-B-W3
25	1"	-16	1"	-16	19,5 .77	25,1 .99	44,5 1,75	50,0 1,97	129,5 5,10	37,2 81,92	HCI-25-SFL-16-M-W3
25	1"	-16	3/4"	-12	19,5 .77	25,1 .99	38,1 1,50	57,5 2,26	137,0 5,39	31,7 69,90	HCI-25-SFL-12-B-W3
25	1"	-16	1 1/4"	-20	19,5 .77	25,1 .99	50,8 2,00	46,5 1,83	126,0 4,96	39,1 86,22	HCI-25-SFL-20-B-W3
31	1 1/4"	-20	1 1/4"	-20	25,0 .98	31,8 1,25	50,8 2,00	66,5 2,62	144,5 5,69	57,9 127,56	HCI-31-SFL-20-M-W3
31	1 1/4"	-20	1"	-16	25,0 .98	31,8 1,25	44,5 1,75	64,0 2,52	142,0 5,59	49,7 109,59	HCI-31-SFL-16-B-W3
31	1 1/4"	-20	1 1/2"	-24	25,0 .98	31,8 1,25	60,3 2,37	49,0 1,93	127,0 5,00	58,9 129,76	HCI-31-SFL-24-B-W3
38	1 1/2"	-24	1 1/2"	-24	31,0 1,22	38,3 1,51	60,3 2,37	56,0 2,20	149,0 5,87	70,1 154,46	HCI-38-SFL-24-M-W3
38	1 1/2"	-24	1 1/4"	-20	31,0 1,22	38,3 1,51	50,8 2,00	62,0 2,44	155,0 6,10	66,4 146,41	HCI-38-SFL-20-B-W3
38	1 1/2"	-24	2"	-32	31,0 1,22	38,3 1,51	71,4 2,81	50,0 1,97	143,0 5,63	85,7 188,97	HCI-38-SFL-32-B-W3
51	2"	-32	2"	-32	40,0 1,57	50,6 1,99	71,4 2,81	69,5 2,74	165,5 6,52	138,4 305,06	HCI-51-SFL-32-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 140-141



45° Version

Page 154



ECOVOS Version

Page 58



90° Version

Page 155

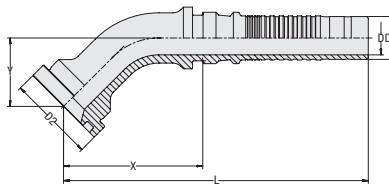


ECOVOS VA Version

Page 121



## 45° Elbow Insert with SAE Flange Adaptor Type SFL 45° (3000 PSI Series)



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	SAE J 518, ISO 6162-1
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
12	1/2"	-08	1/2"	-08	9,0 .35	12,5 .49	30,2 1,19	48,0 1,89	95,0 3,74	20,5 .81	11,7 25,80	HCI-12-SFL-08-045-M-W3
12	1/2"	-08	3/4"	-12	9,0 .35	12,5 .49	38,1 1,50	53,5 2,11	100,5 3,96	26,0 1,02	16,7 36,71	HCI-12-SFL-12-045-M-W3
16	5/8"	-10	3/4"	-12	12,0 .47	16,0 .63	38,1 1,50	59,5 2,34	117,0 4,61	28,5 1,12	21,3 46,97	HCI-16-SFL-12-045-M-W3
19	3/4"	-12	3/4"	-12	14,8 .58	18,8 .74	38,1 1,50	61,0 2,40	133,5 5,26	30,0 1,18	25,3 55,68	HCI-19-SFL-12-045-M-W3
19	3/4"	-12	1"	-16	14,8 .58	18,8 .74	44,5 1,75	74,5 2,93	147,0 5,79	29,5 1,16	37,9 83,57	HCI-19-SFL-16-045-B-W3
25	1"	-16	1"	-16	25,1 .63	25,1 .99	44,5 1,75	80,5 3,17	160,0 6,30	35,0 1,38	46,0 101,32	HCI-25-SFL-16-045-M-W3
25	1"	-16	3/4"	-12	19,5 .77	25,1 .99	38,1 1,50	78,0 3,07	157,5 6,20	30,0 1,18	48,1 106,06	HCI-25-SFL-12-045-B-W3
25	1"	-16	1 1/4"	-20	19,5 .77	25,1 .99	50,8 2,00	88,0 3,46	167,5 6,59	33,5 1,32	62,9 138,69	HCI-25-SFL-20-045-B-W3
31	1 1/4"	-20	1 1/4"	-20	25,0 .98	31,8 1,25	50,8 2,00	106,0 4,17	184,0 7,24	38,5 1,52	78,9 173,97	HCI-31-SFL-20-045-M-W3
31	1 1/4"	-20	1"	-16	25,0 .98	31,8 1,25	44,5 1,75	90,5 3,56	168,5 6,63	33,5 1,32	75,3 166,04	HCI-31-SFL-16-045-B-W3
31	1 1/4"	-20	1 1/2"	-24	25,0 .98	31,8 1,25	60,3 2,37	108,5 4,27	186,5 7,34	43,0 1,69	104,0 229,32	HCI-31-SFL-24-045-B-W3
38	1 1/2"	-24	1 1/2"	-24	31,0 1,22	38,3 1,51	60,3 2,37	125,0 4,92	218,0 8,58	52,5 2,07	113,2 249,50	HCI-38-SFL-24-045-M-W3
38	1 1/2"	-24	1 1/4"	-20	31,0 1,22	38,3 1,51	50,8 2,00	107,0 4,21	200,0 7,87	41,5 1,63	112,4 247,84	HCI-38-SFL-20-045-B-W3
38	1 1/2"	-24	2"	-32	31,0 1,22	38,3 1,51	71,4 2,81	117,0 4,61	209,5 8,25	46,5 1,83	145,9 321,60	HCI-38-SFL-32-045-B-W3
51	2"	-32	2"	-32	40,0 1,57	50,6 1,99	71,4 2,81	162,5 6,40	258,5 10,18	72,5 2,85	245,4 541,00	HCI-51-SFL-32-045-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 153



90° Version

Page 155



ECOVOS Version

Page 59



ECOVOS VA Version

Page 122



Insert Type with Pull-Out Protection (Interlock)

Connection Type SAE Flange Adaptor

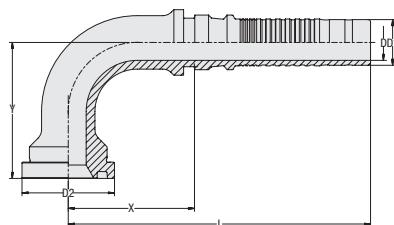
Sealing Type O-Ring Face Seal

(O-Ring not included in delivery.)

Standard SAE J 518, ISO 6162-1

Material Carbon Steel

Surface Finishing Zinc/Nickel-Plating



### 90° Elbow Insert with SAE Flange Adaptor Type SFL 90° (3000 PSI Series)

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
12	1/2"	-08	1/2"	-08	9,0 .35	12,5 .49	30,2 1,19	40,5 1,59	87,5 3,44	42,5 1,67	13,1 28,89	HCI-12-SFL-08-090-M-W3
12	1/2"	-08	3/4"	-12	9,0 .35	12,5 .49	38,1 1,50	49,0 1,93	96,0 3,78	51,0 2,01	19,1 42,12	HCI-12-SFL-12-090-M-W3
16	5/8"	-10	3/4"	-12	12,0 .47	16,0 .63	38,1 1,50	48,0 1,89	105,5 4,15	55,5 2,19	23,7 52,26	HCI-16-SFL-12-090-M-W3
19	3/4"	-12	3/4"	-12	14,8 .58	18,8 .74	38,1 1,50	52,0 2,05	124,5 4,90	56,0 2,20	29,1 64,17	HCI-19-SFL-12-090-M-W3
19	3/4"	-12	1"	-16	14,8 .58	18,8 .74	44,5 1,75	67,0 2,64	139,5 5,49	63,5 2,50	44,0 96,91	HCI-19-SFL-16-090-B-W3
25	1"	-16	1"	-16	19,5 .77	25,1 .99	44,5 1,75	69,0 2,72	148,5 5,85	72,0 2,83	53,8 118,63	HCI-25-SFL-16-090-M-W3
25	1"	-16	3/4"	-12	19,5 .77	25,1 .99	38,1 1,50	70,0 2,76	149,5 5,89	64,5 2,54	53,9 118,85	HCI-25-SFL-12-090-B-W3
25	1"	-16	1 1/4"	-20	19,5 .77	25,1 .99	50,8 2,00	80,5 3,17	160,0 6,30	74,0 2,91	74,1 163,39	HCI-25-SFL-20-090-B-W3
31	1 1/4"	-20	1 1/4"	-20	25,0 .98	31,8 1,25	50,8 2,00	95,0 3,74	173,0 6,81	86,0 3,39	95,0 209,48	HCI-31-SFL-20-090-M-W3
31	1 1/4"	-20	1"	-16	25,0 .98	31,8 1,25	44,5 1,75	83,0 3,27	161,0 6,34	74,0 2,91	86,1 189,85	HCI-31-SFL-16-090-B-W3
31	1 1/4"	-20	1 1/2"	-24	25,0 .98	31,8 1,25	60,3 2,37	99,0 3,90	177,0 6,97	94,0 3,70	125,2 276,07	HCI-31-SFL-24-090-B-W3
38	1 1/2"	-24	1 1/2"	-24	31,0 1,22	38,3 1,51	60,3 2,37	108,0 4,25	201,0 7,91	108,0 4,25	135,4 298,56	HCI-38-SFL-24-090-M-W3
38	1 1/2"	-24	1 1/4"	-20	31,0 1,22	38,3 1,51	50,8 2,00	99,0 3,90	192,0 7,56	92,0 3,62	133,6 294,59	HCI-38-SFL-20-090-B-W3
38	1 1/2"	-24	2"	-32	31,0 1,22	38,3 1,51	71,4 2,81	107,0 4,21	200,0 7,87	103,0 4,06	172,3 379,92	HCI-38-SFL-32-090-B-W3
51	2"	-32	2"	-32	40,0 1,57	50,6 1,99	71,4 2,81	141,0 5,55	237,0 9,33	150,0 5,91	303,9 669,99	HCI-51-SFL-32-090-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 153



45° Version

Page 154



ECOVOS Version

Page 60



ECOVOS VA Version

Page 123

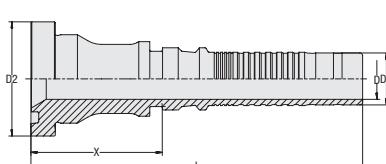


www.stauff.com/4/en/#155

Catalogue 4 • Edition 02/2025

155

**Straight Insert with SAE Flange Adaptor  
Type SFS (6000 PSI Series)**



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	SAE J 518, ISO 6162-2
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

**D**

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L		
12	1/2"	-08	1/2"	-08	9,0 .35	12,5 .49	31,8 1,25	43,5 1,71	90,5 3,56	13,4 29,55	HCI-12-SFS-08-M-W3
12	1/2"	-08	3/4"	-12	9,0 .35	12,5 .49	41,3 1,63	47,0 1,85	94,0 3,70	21,4 47,19	HCI-12-SFS-12-M-W3
16	5/8"	-10	1/2"	-08	12,0 .47	16,0 .63	31,8 1,25	50,5 1,99	108,0 4,25	16,0 35,28	HCI-16-SFS-08-M-W3
16	5/8"	-10	3/4"	-12	12,0 .47	16,0 .63	41,3 1,63	44,5 1,75	102,0 4,02	23,5 51,71	HCI-16-SFS-12-M-W3
16	5/8"	-10	1"	-16	12,0 .47	16,0 .63	47,6 1,87	45,5 1,79	103,0 4,06	28,4 62,62	HCI-16-SFS-16-M-W3
19	3/4"	-12	3/4"	-12	14,8 .58	18,8 .74	41,3 1,63	47,5 1,87	120,0 4,72	26,1 57,55	HCI-19-SFS-12-M-W3
19	3/4"	-12	1"	-16	14,8 .58	18,8 .74	47,6 1,87	48,5 1,91	121,0 4,76	35,7 78,61	HCI-19-SFS-16-M-W3
25	1"	-16	1"	-16	19,5 .77	25,1 .99	47,6 1,87	51,5 2,03	131,0 5,16	40,2 88,64	HCI-25-SFS-16-M-W3
25	1"	-16	3/4"	-12	19,5 .77	25,1 .99	41,3 1,63	50,5 1,99	130,0 5,12	35,8 78,83	HCI-25-SFS-12-M-W3
25	1"	-16	1 1/4"	-20	19,5 .77	25,1 .99	54,0 2,13	58,0 2,28	137,5 5,41	54,3 119,62	HCI-25-SFS-20-M-W3
31	1 1/4"	-20	1 1/4"	-20	25,0 .98	31,8 1,25	54,0 2,13	69,5 2,74	147,5 5,81	63,0 138,80	HCI-31-SFS-20-M-W3
31	1 1/4"	-20	1"	-16	25,0 .98	31,8 1,25	47,6 1,87	70,0 2,76	148,0 5,83	59,8 131,75	HCI-31-SFS-16-M-W3
31	1 1/4"	-20	1 1/2"	-24	25,0 .98	31,8 1,25	63,5 2,50	74,0 2,91	152,0 5,98	93,5 206,06	HCI-31-SFS-24-M-W3
38	1 1/2"	-24	1 1/2"	-24	31,0 1,22	38,3 1,51	63,5 2,50	69,0 2,72	162,0 6,38	89,2 196,69	HCI-38-SFS-24-M-W3
38	1 1/2"	-24	1 1/4"	-20	31,0 1,22	38,3 1,51	54,0 2,50	69,0 2,72	162,0 6,38	76,9 169,45	HCI-38-SFS-20-M-W3
38	1 1/2"	-24	2"	-32	31,0 1,22	38,3 1,51	79,4 3,13	69,0 2,72	162,0 6,38	131,0 288,74	HCI-38-SFS-32-M-W3
51	2"	-32	2"	-32	40,0 1,57	50,6 1,99	79,4 3,13	72,5 2,85	168,5 6,63	174,6 384,88	HCI-51-SFS-32-M-W3

**Related Products and Accessories**



Swage Ferrules

Pages 140-141



45° Version



90° Version

Page 157



ECOVOS Version

Page 61



ECOVOS VA Version

Page 124



**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** SAE Flange Adaptor

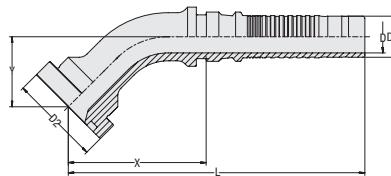
**Sealing Type** O-Ring Face Seal

(O-Ring not included in delivery.)

**Standard** SAE J 518, ISO 6162-2

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating



### 45° Elbow Insert with SAE Flange Adaptor Type SFS 45° (6000 PSI Series)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y	
12	1/2"	-08	1/2"	-08	9,0	12,5	31,8	48,0	95,0	22,5	12,6
					.35	.49	1.25	1.89	3.74	.89	27.78
12	1/2"	-08	3/4"	-12	9,0	12,5	41,3	53,5	100,5	27,0	20,3
					.35	.49	1.63	2.11	3.96	1.06	44.76
16	5/8"	-10	1/2"	-08	12,0	16,0	31,8	57,5	115,0	22,5	16,3
					.47	.63	1.25	2.26	4.53	.89	35.94
16	5/8"	-10	3/4"	-12	12,0	16,0	41,3	60,0	117,5	25,0	23,1
					.47	.63	1.63	2.36	4.63	.98	50.83
16	5/8"	-10	1"	-16	12,0	16,0	47,6	63,5	121,0	29,0	29,3
					.47	.63	1.87	2.50	4.76	1.14	64.61
20	3/4"	-12	3/4"	-12	14,8	18,8	41,3	63,0	135,5	32,0	28,6
					.58	.74	1.63	2.48	5.33	1.26	63.06
20	3/4"	-12	1"	-16	14,8	18,8	47,6	67,5	140,0	31,0	35,6
					.58	.74	1.87	2.66	5.51	1.22	78.50
25	1"	-16	3/4"	-12	19,5	25,1	41,3	90,0	169,0	37,0	45,6
					.77	.99	1.63	3.54	6.65	1.46	100.55
25	1"	-16	1"	-16	19,5	25,1	47,6	81,5	161,5	36,0	49,0
					.77	.99	1.87	3.21	6.36	1.42	108.05
25	1"	-16	1 1/4"	-20	19,5	25,1	54,0	88,0	167,5	42,5	60,9
					.77	.99	2.13	3.46	6.59	1.67	134.28
31	1 1/4"	-20	1"	-16	25,0	31,8	47,6	107,0	185,0	47,0	78,6
					.98	1.25	1.87	4.21	7.28	1.85	173.31
31	1 1/4"	-20	1 1/4"	-20	25,0	31,8	54,0	98,5	176,5	41,5	80,9
					.98	1.25	2.13	3.88	6.95	1.63	178.38
31	1 1/4"	-20	1 1/2"	-24	25,0	31,8	63,5	108,0	186,0	47,5	101,0
					.98	1.25	2.50	4.25	7.32	1.87	222.59
38	1 1/2"	-24	1 1/4"	-20	31,0	38,3	54,0	126,0	219,0	51,5	108,2
					1.22	1.51	2.13	4.96	8.62	2.03	238.58
38	1 1/2"	-24	1 1/2"	-24	31,0	38,3	63,5	120,0	213,0	47,0	120,0
					1.22	1.51	2.50	4.72	8.39	1.85	264.60
38	1 1/2"	-24	2"	-32	31,0	38,3	79,4	131,5	224,5	53,5	161,2
					1.22	1.51	3.13	5.18	8.84	2.11	355.45
51	2"	-32	2"	-32	40,0	50,6	79,4	160,0	256,0	70,0	272,0
					1.57	1.99	3.13	6.30	10.08	2.76	599.76

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 156



ECOVOS Version

Page 62



90° Version

Page 158



ECOVOS VA Version

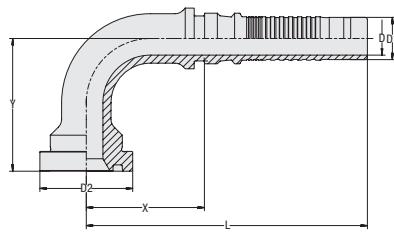
Page 125



www.stauff.com/4/en/#157

Catalogue 4 • Edition 02/2025

## 90° Elbow Insert with SAE Flange Adaptor Type SFS 90° (6000 PSI Series)



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	SAE J 518, ISO 6162-2
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
12	1/2"	-08	1/2"	-08	9,0 .35	12,5 .49	31,8 1,25	39,0 1,54	86,0 3,39	45,0 1,77	14,2 31,31	HCI-12-SFS-08-090-M-W3
12	1/2"	-08	3/4"	-12	9,0 .35	12,5 .49	41,3 1,63	41,5 1,63	88,5 3,48	50,0 1,97	22,0 48,51	HCI-12-SFS-12-090-M-W3
16	5/8"	-10	1/2"	-08	12,0 .47	16,0 .63	31,8 1,25	50,5 1,99	108,0 4,25	48,0 1,89	18,7 41,12	HCI-16-SFS-08-090-M-W3
16	5/8"	-10	3/4"	-12	12,0 .47	16,0 .63	41,3 1,63	50,5 1,99	108,0 4,25	52,5 2,07	25,5 56,23	HCI-16-SFS-12-090-M-W3
16	5/8"	-10	1"	-16	12,0 .47	16,0 .63	47,6 1,87	50,5 1,99	108,0 4,25	57,0 2,24	31,7 69,90	HCI-16-SFS-16-090-M-W3
19	3/4"	-12	3/4"	-12	14,8 .58	18,8 .74	41,3 1,63	52,5 2,07	125,0 4,92	59,0 2,32	32,6 71,77	HCI-19-SFS-12-090-M-W3
19	3/4"	-12	1"	-16	14,8 .58	18,8 .74	47,6 1,87	54,5 2,15	127,0 5,00	61,5 2,42	39,7 87,54	HCI-19-SFS-16-090-M-W3
25	1"	-16	3/4"	-12	19,5 .77	25,1 .99	41,3 1,63	69,0 2,72	148,5 5,85	70,5 2,78	50,2 110,69	HCI-25-SFS-12-090-M-W3
25	1"	-16	1"	-16	19,5 .77	25,1 .99	47,6 1,87	69,0 2,72	148,5 5,85	73,0 2,87	56,2 123,92	HCI-25-SFS-16-090-M-W3
25	1"	-16	1 1/4"	-20	19,5 .77	25,1 .99	54,0 2,13	68,5 2,70	148,0 5,83	81,5 3,21	67,8 149,50	HCI-25-SFS-20-090-M-W3
31	1 1/4"	-20	1"	-16	25,0 .98	31,8 1,25	47,6 1,87	93,0 3,66	171,0 6,73	95,0 3,74	95,4 210,36	HCI-31-SFS-16-090-M-W3
31	1 1/4"	-20	1 1/4"	-20	25,0 .98	31,8 1,25	54,0 2,13	91,0 3,58	169,0 6,65	85,0 3,35	97,2 214,33	HCI-31-SFS-20-090-M-W3
31	1 1/4"	-20	1 1/2"	-24	25,0 .98	31,8 1,25	63,5 2,50	89,5 3,52	167,5 6,59	97,0 3,82	116,7 257,21	HCI-31-SFS-24-090-M-W3
38	1 1/2"	-24	1 1/4"	-20	31,0 1,22	38,3 1,51	54,0 2,13	111,2 4,38	204,0 8,03	108,0 4,25	131,7 290,40	HCI-38-SFS-20-090-M-W3
38	1 1/2"	-24	1 1/2"	-24	31,0 1,22	38,3 1,51	63,5 2,50	105,0 4,13	198,0 7,80	99,0 3,90	141,5 312,01	HCI-38-SFS-24-090-M-W3
38	1 1/2"	-24	2"	-32	31,0 1,22	38,3 1,51	79,4 3,13	105,0 4,13	198,0 7,80	113,0 4,45	182,5 402,41	HCI-38-SFS-32-090-M-W3
51	2"	-32	2"	-32	40,0 1,57	50,6 1,99	79,4 3,13	136,0 5,35	234,0 9,21	150,0 5,91	326,2 719,27	HCI-51-SFS-32-090-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 156



45° Version

Page 157



ECOVOS Version

Page 63



ECOVOS VA Version

Page 126



**Straight Insert with SAE Flange Adaptor  
Type SFC (9000 PSI Series)**

**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** SAE Flange Adaptor

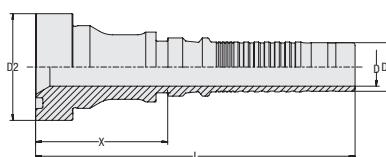
**Sealing Type** O-Ring Face Seal

(O-Ring not included in delivery.)

**Standard** Caterpillar

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L		
19	3/4"	-12	3/4"	-12	14,8	18,8	41,3	51,0	123,5	30,4	HCI-19-SFC-12-M-W3
					.58	.74	1.63	2,01	4.86	67,03	
19	3/4"	-12	1"	-16	19,5	25,1	47,6	56,5	129,0	40,0	HCI-19-SFC-16-M-W3
					.77	.99	1.87	2,22	5.08	88,20	
25	1"	-16	1"	-16	19,5	25,1	47,6	55,0	134,5	45,0	HCI-25-SFC-16-M-W3
					.77	.99	1.87	2,17	5.30	99,23	
25	1"	-16	3/4"	-12	19,5	25,1	41,3	56,5	136,0	40,5	HCI-25-SFC-12-M-W3
					.77	.99	1.63	2,22	5.35	89,30	
25	1"	-16	1 1/4"	-20	25,0	31,8	54,0	51,5	131,0	55,4	HCI-25-SFC-20-M-W3
					.98	1.25	2,13	2,03	5,16	122,05	
31	1 1/4"	-20	1 1/4"	-20	25,0	31,8	54,0	72,5	150,5	67,9	HCI-31-SFC-20-M-W3
					.98	1.25	2,13	2,85	5,93	149,61	
31	1 1/4"	-20	1"	-16	19,5	25,1	47,6	73,0	151,0	63,7	HCI-31-SFC-16-M-W3
					.77	.99	1.87	2,87	5,94	140,35	
31	1 1/4"	-20	1 1/2"	-24	25,0	31,8	63,5	75,5	153,5	95,6	HCI-31-SFC-24-M-W3
					.98	1.25	2,50	2,97	6,04	210,69	
38	1 1/2"	-24	1 1/2"	-24	31,0	38,3	63,5	71,0	164,0	92,7	HCI-38-SFC-24-M-W3
					1,22	1,51	2,50	2,80	6,46	204,29	
38	1 1/2"	-24	1 1/4"	-20	31,0	38,3	54,0	70,0	163,0	78,1	HCI-38-SFC-20-B-W3
					1,22	1,51	2,13	2,76	6,42	172,10	

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### Related Products and Accessories



**Swage Ferrules**

Pages 140-141



**45° Version**

Page 160



**90° Version**

Page 161

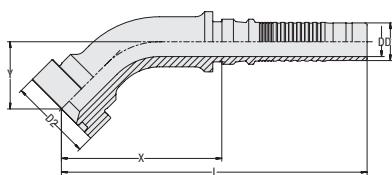


[www.stauff.com/4/en/#159](http://www.stauff.com/4/en/#159)

Catalogue 4 • Edition 02/2025

159

## 45° Elbow Insert with SAE Flange Adaptor Type SFC 45° (9000 PSI Series)



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	Caterpillar
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
19	3/4"	-12	3/4"	-12	14,8 .58	18,8 .74	41,3 1.63	80,0 3.15	152,5 6.00	33,5 1.32	41,4 91,29	HCI-19-SFC-12-045-M-W3
19	3/4"	-12	1"	-16	14,8 .58	18,8 .74	47,6 1.87	82,0 3.23	154,5 6.08	35,0 1.38	48,6 107,05	HCI-19-SFC-16-045-M-W3
25	1"	-16	3/4"	-12	19,5 .77	25,1 .99	41,3 1.63	96,0 3.78	175,5 6.91	37,5 1.48	54,9 121,05	HCI-25-SFC-12-045-M-W3
25	1"	-16	1"	-16	19,5 .77	25,1 .99	47,6 1.87	94,5 3.72	174,0 6.85	37,0 1.46	62,3 137,37	HCI-25-SFC-16-045-M-W3
25	1"	-16	1 1/4"	-20	19,5 .77	25,1 .99	54,0 2.13	97,5 3.84	177,0 6.97	40,0 1.57	71,3 157,11	HCI-25-SFC-20-045-M-W3
31	1 1/4"	-20	1"	-16	25,0 .98	31,8 1.25	47,6 1.87	107,0 4.21	185,0 7.28	45,0 1.77	80,2 176,84	HCI-31-SFC-16-045-M-W3
31	1 1/4"	-20	1 1/4"	-20	25,0 .98	31,8 1.25	54,0 2.13	105,5 4.15	183,5 7.22	46,5 1.83	88,0 194,04	HCI-31-SFC-20-045-M-W3
31	1 1/4"	-20	1 1/2"	-24	25,0 .98	31,8 1.25	63,5 2.50	117,5 4.63	185,5 7.30	52,0 2.05	104,1 229,43	HCI-31-SFC-24-045-M-W3
38	1 1/2"	-24	1 1/2"	-24	31,0 1.22	38,3 1.51	63,5 2.50	127,0 5.00	220,0 8.66	52,0 2.05	128,2 282,68	HCI-38-SFC-24-045-M-W3

Dimension Y  $\pm 2,5$  mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 159



90° Version

Page 161



Insert Type with Pull-Out Protection (Interlock)

Connection Type SAE Flange Adaptor

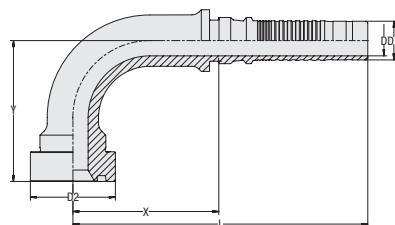
Sealing Type O-Ring Face Seal

(O-Ring not included in delivery.)

Standard Caterpillar

Material Carbon Steel

Surface Finishing Zinc/Nickel-Plating



### 90° Elbow Insert with SAE Flange Adaptor Type SFC 90° (9000 PSI Series)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y	
19	3/4"	-12	3/4"	-12	14,8	18,8	41,3	71,0	143,5	68,5	49,2
					.58	.74	1,63	2,80	5,65	2,70	108,49
19	3/4"	-12	1"	-16	14,8	18,8	47,6	71,5	144,0	71,0	56,5
					.58	.74	1,87	2,81	5,67	2,80	124,47
25	1"	-16	3/4"	-12	19,5	25,1	41,3	82,5	162,0	81,5	66,1
					.77	.99	1,63	3,25	6,38	3,21	145,75
25	1"	-16	1"	-16	19,5	25,1	47,6	82,5	162,0	82,0	74,0
					.77	.99	1,87	3,25	6,38	3,23	163,17
25	1"	-16	1 1/4"	-20	19,5	25,1	54,0	85,5	165,0	83,5	83,3
					.77	.99	2,13	3,37	6,50	3,29	183,57
31	1 1/4"	-20	1"	-16	25,0	31,8	47,6	92,5	170,5	95,5	97,4
					.98	1,25	1,87	3,64	6,71	3,76	214,66
31	1 1/4"	-20	1 1/4"	-20	25,0	31,8	54,0	91,5	169,5	96,0	105,6
					.98	1,25	2,13	3,60	6,67	3,78	232,74
31	1 1/4"	-20	1 1/2"	-24	25,0	31,8	63,5	93,0	171,0	96,0	120,3
					.98	1,25	2,50	3,66	6,73	3,78	265,15
38	1 1/2"	-24	1 1/4"	-20	31,0	38,3	54,0	99,0	192,0	100,0	142,2
					1,22	1,51	2,13	3,90	7,56	3,94	313,55

Dimension Y ± 2,5 mm / .10 in

D

#### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 159



45° Version

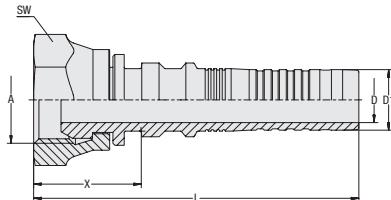
Page 160



www.stauff.com/4/en/#161

Catalogue 4 • Edition 02/2025

## Straight Insert with Female BSPP Thread and 60° Taper Type DKR



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	Female BSPP Nut Thread
<b>Sealing Type</b>	60° Taper
<b>Standard</b>	ISO 8434-6, BS 5200
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
16	5/8"	-10	G 5/8"	-10	12,0 .47	16,0 .63	24,0 .94	81,5 3,21	30 1,18	14,7 32,41	HCI-16-DKR-10-C-M-W3
16	5/8"	-10	G 1/2"	-08	12,0 .47	16,0 .63	22,0 .87	79,5 3,13	27 1,06	12,4 27,34	HCI-16-DKR-08-C-M-W3
16	5/8"	-10	G 3/4"	-12	12,0 .47	16,0 .63	23,0 .91	80,5 3,17	32 1,26	16,4 36,05	HCI-16-DKR-12-C-M-W3
19	3/4"	-12	G 3/4"	-12	14,8 .58	18,8 .74	28,0 1,10	100,5 3,96	32 1,26	19,2 42,34	HCI-19-DKR-12-C-M-W3
25	1"	-16	G 1"	-16	19,5 .77	25,1 .99	31,0 1,22	110,5 4,35	41 1,61	34,7 76,51	HCI-25-DKR-16-C-M-W3
31	1 1/4"	-20	G 1 1/4"	-20	25,0 .98	31,8 1,25	33,5 1,32	111,5 4,39	50 1,97	55,0 121,28	HCI-31-DKR-20-W-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 140-141



45° Version

Page 163



ECOVOS Version

Page 64



90° Version

Page 164

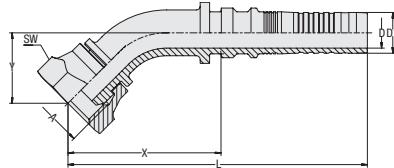


ECOVOS VA Version

Page 127



Insert Type with Pull-Out Protection (Interlock)

Connection Type Female BSPP Nut Thread  
Sealing Type 60° Taper  
Standard ISO 8434-6, BS 5200Material Carbon Steel  
Surface Finishing Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
16	5/8"	-10	G 5/8"	-10	12,0	16,0	59,5	117,0	26,5	30	20,8	HCI-16-DKR-10-045-C-M-W3
					.47	.63	2.34	4.61	1.04	1.18	45.75	
16	5/8"	-10	G 3/4"	-12	12,0	16,0	56,5	114,0	23,5	32	21,0	HCI-16-DKR-12-045-C-M-W3
					.47	.63	2.22	4.49	.93	1.26	46.19	
19	3/4"	-12	G 3/4"	-12	14,8	18,8	67,0	139,5	35,5	32	28,7	HCI-19-DKR-12-045-C-M-W3
					.58	.74	2.64	5.49	1.40	1.26	63.28	
25	1"	-16	G 1"	-16	19,5	25,1	84,5	164,0	45,5	41	53,5	HCI-25-DKR-16-045-C-M-W3
					.77	.99	3.33	6.46	1.79	1.61	117.97	
31	1 1/4"	-20	G 1 1/4"	-20	25,0	31,8	104,0	182,0	53,0	50	95,1	HCI-31-DKR-20-045-W-M-W3
					.98	1.25	4.09	7.17	2.09	1.97	209.70	

Dimension Y ± 2,5 mm / .10 in

D

## Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 127



90° Version

Page 129



ECOVOS Version

Page 65



ECOVOS VA Version

Page 128

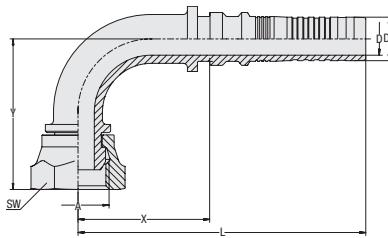


www.stauff.com/4/en/#163

Catalogue 4 • Edition 02/2025

163

## 90° Elbow Insert with Female BSPP Thread and 60° Taper Type DKR 90°



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	Female BSPP Nut Thread
<b>Sealing Type</b>	60° Taper
<b>Standard</b>	ISO 8434-6, BS 5200
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size		Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes		
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
16	5/8"	-10	G 5/8"	-10	12,0 .47	16,0 .63	48,0 1.89	105,5 4.15	54,0 2.13	30 1.18	23,1 50.94	HCI-16-DKR-10-090-C-M-W3
16	5/8"	-10	G 3/4"	-12	12,0 .47	16,0 .63	44,0 1.73	101,5 4.00	52,0 2.05	32 1.26	23,1 50.94	HCI-16-DKR-12-090-C-M-W3
19	3/4"	-12	G 3/4"	-12	14,8 .58	18,8 .74	52,5 2.07	125,0 4.92	63,5 2.50	32 1.26	32,4 71.44	HCI-19-DKR-12-090-C-M-W3
25	1"	-16	G 1"	-16	19,5 .77	25,1 .99	65,0 2.56	144,5 5.69	83,0 3.27	41 1.61	60,6 133.62	HCI-25-DKR-16-090-C-M-W3
31	1 1/4"	-20	G 1 1/4"	-20	25,0 .98	31,8 1.25	84,5 3.33	162,5 6.40	101,0 3.98	50 1.97	111,0 244.64	HCI-31-DKR-20-090-W-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 162



ECOVOS Version

Page 66



45° Version

Page 163



ECOVOS VA Version

Page 129

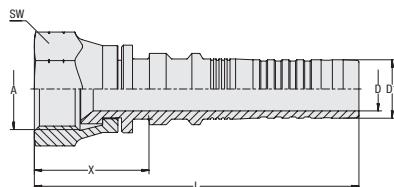


## Straight Insert with Female UN/UNF Thread and 74° Conical Bore Type DKJ

**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** 74° Conical Bore  
**Standard** ISO 8434-2

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
10	3/8"	-06	9/16"-18 UNF	-06	6,5 .26	9,6 .38	15,5 .61	57,0 2,24	19 .75	4,5 9,92	HCI-10-DKJ-06-C-M-W3
10	3/8"	-06	3/4"-16 UNF	-08	6,5 .26	9,6 .38	21,0 .83	62,5 2,46	24 .94	6,9 15,21	HCI-10-DKJ-08-C-M-W3
12	1/2"	-08	3/4"-16 UNF	-08	9,0 .35	12,5 .49	17,5 .69	64,0 2,52	24 .94	6,8 14,99	HCI-12-DKJ-08-C-M-W3
12	1/2"	-08	7/8"-14 UNF	-10	9,0 .35	12,5 .49	22,0 .87	69,0 2,72	27 1,06	10,0 22,05	HCI-12-DKJ-10-C-M-W3
16	5/8"	-10	7/8"-14 UNF	-10	12,0 .47	16,0 .63	21,5 .85	79,0 3,11	27 1,06	12,3 27,01	HCI-16-DKJ-10-C-M-W3
16	5/8"	-10	1.1/16"-12 UN	-12	12,0 .47	16,0 .63	23,5 .93	81,0 3,19	32 1,26	15,6 34,29	HCI-16-DKJ-12-C-M-W3
19	3/4"	-12	1.1/16"-12 UN	-12	14,8 .58	18,8 .74	23,0 .91	95,5 3,76	32 1,26	18,3 40,24	HCI-19-DKJ-12-C-M-W3
25	1"	-16	1.5/16"-12 UN	-16	19,5 .77	25,1 .99	22,5 .89	102,5 4,04	41 4,61	32,0 70,56	HCI-25-DKJ-16-C-M-W3
31	1 1/4"	-20	1.5/8"-12 UN	-20	25,0 .98	31,8 1,25	25,5 1,00	103,5 4,07	50 1,97	55,2 121,72	HCI-31-DKJ-20-W-M-W3
38	1 1/2"	-24	1.7/8"-12 UN	-24	31,0 1,22	38,3 1,51	32,5 1,28	125,5 4,94	60 2,36	86,7 191,17	HCI-38-DKJ-24-W-M-W3
51	2"	-32	2.1/2"-12 UN	-32	40,0 1,57	50,6 1,99	41,0 1,61	137,0 5,39	75 2,95	168,3 371,10	HCI-51-DKJ-32-W-M-W3

### Related Products and Accessories



**Swage Ferrules**

Pages 140-141



**45° Version**

Page 166



**ECOVOS Version**

Page 69



**90° Version**

Page 167



**ECOVOS VA Version**

Page 132

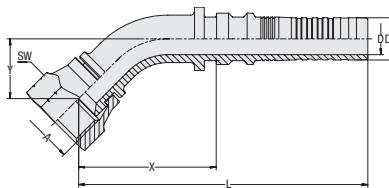


**POWERVOS Version**

Page 181



## 45° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore Type DKJ 45°



**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** 74° Conical Bore  
**Standard** ISO 8434-2

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
12	1/2"	-08	3/4"-16 UNF	-08	9,0	12,5	44,5	91,5	20,0	24	10,3
					.35	.49	1,75	3,60	.79	.94	22,71
12	1/2"	-08	7/8"-14 UNF	-10	9,0	12,5	44,0	91,0	18,0	27	12,8
					.35	.49	1,73	3,58	.71	1,06	28,11
16	5/8"	-10	7/8"-14 UNF	-10	12,0	16,0	59,0	116,5	25,0	27	18,5
					.47	.63	2,32	4,59	.98	1,06	40,79
16	5/8"	-10	1 1/16"-12 UN	-12	12,0	16,0	56,5	114,0	23,5	32	20,4
					.47	.63	2,22	4,49	.93	1,26	44,87
19	3/4"	-12	1 1/16"-12 UN	-12	14,8	18,8	64,5	136,5	31,0	32	28,3
					.58	.74	2,54	5,37	1,22	1,26	62,29
25	1"	-16	1 5/16"-12 UN	-16	19,5	25,1	83,5	163,0	33,0	41	51,1
					.77	.99	3,29	6,42	1,30	1,61	112,68
31	1 1/4"	-20	1 5/8"-12 UN	-20	25,0	31,8	107,5	185,5	44,0	50	93,4
					.98	1,25	4,23	7,30	1,73	1,97	205,95
38	1 1/2"	-24	1 7/8"-12 UN	-24	31,0	38,3	132,0	225,0	52,0	60	146,3
					1,22	1,51	5,20	8,86	2,05	2,36	322,59
51	2"	-32	2 1/2"-12 UN	-32	40,0	50,6	167,5	263,5	79,5	70	303,6
					1,57	1,99	6,59	10,37	3,13	2,76	669,44

Dimension Y  $\pm 2,5$  mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 165



ECOVOS Version

Page 70



90° Version

Page 167

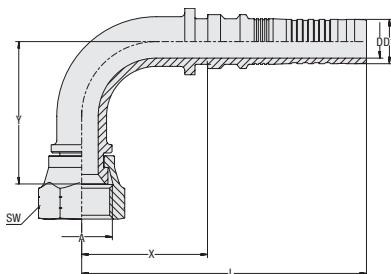


ECOVOS VA Version

Page 133



Insert Type with Pull-Out Protection (Interlock)

Connection Type Female UN/UNF Nut Thread  
Sealing Type 74° Conical Bore  
Standard ISO 8434-2Material Carbon Steel  
Surface Finishing Zinc/Nickel-Plating**90° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore  
Type DKJ 90°**

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
12	1/2"	-08	3/4"-16 UNF	-08	9,0 .35	12,5 .49	38,5 1,52	85,5 3,37	41,5 1,63	24 .94	12,0 26,46	HCI-12-DKJ-08-090-C-M-W3
12	1/2"	-08	7/8"-14 UNF	-10	9,0 .35	12,5 .49	38,5 1,52	85,5 3,37	41,0 1,61	27 1,06	14,5 31,97	HCI-12-DKJ-10-090-C-M-W3
16	5/8"	-10	7/8"-14 UNF	-10	12,0 .47	16,0 .63	51,5 2,03	109,0 4,29	51,0 2,01	27 1,06	21,0 46,31	HCI-16-DKJ-10-090-C-M-W3
16	5/8"	-10	1 1/16"-12 UN	-12	12,0 .47	16,0 .63	50,0 1,97	107,5 4,23	50,0 1,97	32 1,26	22,9 50,49	HCI-16-DKJ-12-090-C-M-W3
19	3/4"	-12	1 1/16"-12 UN	-12	14,8 .58	18,8 .74	52,5 2,07	125,0 4,92	58,5 2,30	32 1,26	31,7 69,79	HCI-19-DKJ-12-090-C-M-W3
25	1"	-16	1 5/16"-12 UN	-16	19,5 .77	25,1 .99	73,0 2,87	152,5 6,00	69,0 2,72	41 1,61	58,1 128,11	HCI-25-DKJ-16-090-C-M-W3
31	1 1/4"	-20	1 5/8"-12 UN	-20	25,0 .98	31,8 1,25	88,5 3,48	166,5 6,56	96,0 3,78	50 1,97	113,4 249,94	HCI-31-DKJ-20-090-W-M-W3
38	1 1/2"	-24	1 7/8"-12 UN	-24	31,0 1,22	38,3 1,51	113,0 4,45	206,0 8,11	110,5 4,35	60 2,36	168,9 372,42	HCI-38-DKJ-24-090-W-M-W3
51	2"	-32	2 1/2"-12 UN	-32	40,0 1,57	50,6 1,99	140,5 5,53	236,5 9,31	158,5 6,24	75 2,95	362,2 798,65	HCI-51-DKJ-32-090-W-M-W3

Dimension Y ± 2,5 mm / .10 in

**Related Products and Accessories**

Swage Ferrules

Pages 140-141



Straight Version

Page 165



45° Version

Page 166



ECOVOS Version

Page 71



ECOVOS VA Version

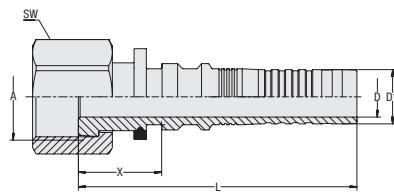
Page 134



www.stauff.com/4/en/#167

Catalogue 4 • Edition 02/2025

## Straight Insert with Female UN/UNF Thread for O-Ring Face Seal Connection Type ORS



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	Female UN/UNF Nut Thread
<b>Sealing Type</b>	O-Ring Face Seal
<b>Standard</b>	ISO 8434-3
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

**D**

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
10	3/8"	-06	11/16"-16 UN	-06	6,5 .26	9,6 .38	20,0 .79	61,5 2,42	22 .87	6,4 .25	HCI-10-ORS-06-S-M-W3
10	3/8"	-06	13/16"-16 UN	-08	6,5 .26	9,6 .38	21,5 .85	63,0 2,48	27 1,06	10,1 .40	HCI-10-ORS-08-S-M-W3
12	1/2"	-08	13/16"-16 UN	-08	9,0 .35	12,5 .49	19,0 .75	66,0 2,60	27 1,06	8,8 .35	HCI-12-ORS-08-S-M-W3
16	5/8"	-10	1"-14 UN	-10	12,0 .47	16,0 .63	24,5 .96	82,0 3,23	30 1,18	15,1 .59	HCI-16-ORS-10-S-M-W3
16	5/8"	-10	1 3/16"-12 UN	-12	12,0 .47	16,0 .63	24,5 .96	82,0 3,23	36 1,42	21,5 .84	HCI-16-ORS-12-S-M-W3
19	3/4"	-12	1 3/16"-12 UN	-12	14,8 .58	18,8 .74	34,5 1,36	107,0 4,21	36 1,42	25,3 1,00	HCI-19-ORS-12-S-M-W3
19	3/4"	-12	1 7/16"-12 UN	-16	14,8 .58	18,8 .74	36,0 1,42	108,5 4,27	41 1,61	33,1 1,30	HCI-19-ORS-16-S-M-W3
25	1"	-16	1 7/16"-12 UN	-16	19,5 .77	25,1 .99	36,0 1,42	115,5 4,55	41 1,61	36,5 1,44	HCI-25-ORS-16-S-M-W3
31	1 1/4"	-20	1 11/16"-12 UN	-20	25,0 .98	31,8 1,25	36,5 1,44	114,5 4,51	50 1,97	55,2 2,17	HCI-31-ORS-20-S-M-W3

### Related Products and Accessories



Swage Ferrules

Pages 140-141



45° Version

Page 169



90° Version

Page 170



ECOVOS Version

Page 78



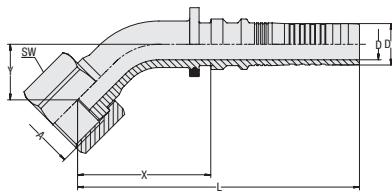
ECOVOS VA Version

Page 135



**45° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection  
Type ORS 45°**
**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** O-Ring Face Seal  
**Standard** ISO 8434-3

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating


Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
12	1/2"	-08	13/16"-16 UN	-08	9,0	12,5	44,5	91,5	21,5	27	13,9
					.35	.49	1.75	3.60	.85	1.06	30.65
16	5/8"	-10	1"-14 UN	-10	12,0	16,0	51,5	109,0	21,5	30	19,0
					.47	.63	2.03	4.29	.85	1.18	41.90
19	3/4"	-12	1 3/16"-12 UN	-12	14,8	18,8	71,0	143,5	29,5	36	29,6
					.58	.74	2.80	5.65	1.16	1.42	65.16
25	1"	-16	1 7/16"-12 UN	-16	19,5	25,1	86,5	166,0	37,5	41	47,4
					.77	.99	3.41	6.54	1.48	1.61	104.41
31	1 1/4"	-20	1 11/16"-12 UN	-20	25,0	31,8	106,5	184,5	46,0	50	75,1
					.98	1.25	4.19	7.26	1.81	1.97	165.60

Dimension Y ± 2,5 mm / .10 in

**D**
**Related Products and Accessories**

**Swage Ferrules**

Pages 140-141


**Straight Version**

Page 168


**ECOVOS Version**

Page 79


**90° Version**

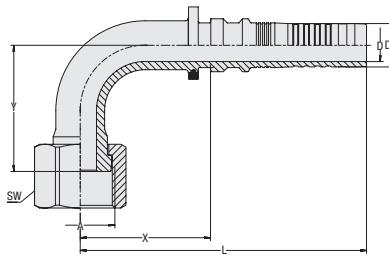
Page 170


[www.stauff.com/4/en/#169](http://www.stauff.com/4/en/#169)

Catalogue 4 • Edition 02/2025

169

## 90° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection Type ORS 90°



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	Female UN/UNF Nut Thread
<b>Sealing Type</b>	O-Ring Face Seal
<b>Standard</b>	ISO 8434-3
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
12	1/2"	-08	13/16"-16 UN	-08	9,0 .35	12,5 .49	38,5 1,52	85,5 3,37	42,5 1,67	27 1,06	15,6 34,29	HCI-12-ORS-08-090-S-M-W3
16	5/8"	-10	1"-14 UN	-10	12,0 .47	16,0 .63	48,0 1,89	105,5 4,15	46,5 1,83	30 1,18	21,9 48,29	HCI-16-ORS-10-090-S-M-W3
19	3/4"	-12	1 3/16"-12 UN	-12	14,8 .58	18,8 .74	57,5 2,26	130,0 5,12	59,5 2,34	36 1,42	32,1 70,67	HCI-19-ORS-12-090-S-M-W3
25	1"	-16	1 7/16"-12 UN	-16	19,5 .77	25,1 .99	75,5 2,97	155,0 6,10	75,0 2,95	41 1,61	53,4 117,75	HCI-25-ORS-16-090-S-M-W3
31	1 1/4"	-20	1 11/16"-12 UN	-20	25,0 .98	31,8 1,25	88,0 3,46	166,0 6,54	94,0 3,70	50 1,97	84,4 186,10	HCI-31-ORS-20-090-S-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 169



ECOVOS Version

Page 80



45° Version

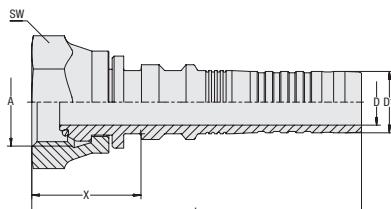
Page 170



Straight Insert with Female BSPP Thread and 60° Taper / O-Ring  
 Type DKOR

**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Taper with O-Ring  
**Standard** ISO 8434-6, BS 5200

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)


Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
10	3/8"	-06	G 3/8"	-06	6,5 .26	9,6 .38	22,5 .89	64,0 2,52	22 .87	6,4 14,11	HCI-10-DKOR-06-C-OR-B-M-W3
12	1/2"	-08	G 1/2"	-08	9,0 .35	12,5 .49	25,0 .98	72,0 2,83	27 1,06	10,9 24,03	HCI-12-DKOR-08-C-OR-B-M-W3
16	5/8"	-10	G 5/8"	-10	12,0 .47	16,0 .63	24,0 .94	81,5 3,21	30 1,18	14,5 31,97	HCI-16-DKOR-10-C-OR-B-M-W3
19	3/4"	-12	G 3/4"	-12	14,8 .58	18,8 .74	28,0 1,10	100,5 3,96	32 1,26	19,1 42,12	HCI-19-DKOR-12-C-OR-B-M-W3
25	1"	-16	G 1"	-16	19,5 .77	25,1 .99	31,0 1,22	110,5 4,35	41 1,61	34,5 76,07	HCI-25-DKOR-16-C-OR-B-M-W3
31	1 1/4"	-20	G 1 1/4"	-20	25,0 .98	31,8 1,25	33,5 1,32	111,5 4,39	50 1,97	54,8 120,83	HCI-31-DKOR-20-W-OR-B-M-W3
38	1 1/2"	-24	G 1 1/2"	-24	31,0 1,22	38,3 1,51	38,0 1,50	131,0 5,16	55 2,17	76,9 169,56	HCI-38-DKOR-24-W-OR-B-M-W3
38	1 1/2"	-24	G 2"	-32	31,0 1,22	38,3 1,51	46,5 1,83	144,5 5,69	70 2,76	131,5 289,96	HCI-38-DKOR-32-W-OR-B-M-W3
51	2"	-32	G 2"	-32	40,0 1,57	50,6 1,99	41,0 1,61	137,0 5,39	70 2,76	152,5 336,15	HCI-51-DKOR-32-W-OR-B-M-W3

**D**
**Related Products and Accessories**

**Swage Ferrules**

Pages 140-141


**45° Version**

Page 172


**ECOVOS VA Version**

Page 136


**90° Version**

Page 173


**POWERVOS Version**

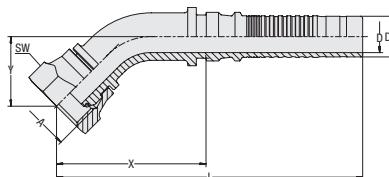
Page 182


[www.stauff.com/4/en/#171](http://www.stauff.com/4/en/#171)

Catalogue 4 • Edition 02/2025

171

## 45° Elbow Insert with Female BSPP Thread and 60° Taper / O-Ring Type DKOR 45°



**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Taper with O-Ring  
**Standard** ISO 8434-6, BS 5200

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
10	3/8"	-06	G 3/8"	-06	6,5 .26	9,6 .38	36,5 1,44	78,0 3,07	18,0 .71	22 .87	7,7 16,87	HCI-10-DKOR-06-045-C-OR-B-M-W3
12	1/2"	-08	G 1/2"	-08	9,0 .35	12,5 .49	44,5 1,75	91,5 3,60	20,0 .79	27 1,06	13,1 28,89	HCI-12-DKOR-08-045-C-OR-B-M-W3
19	3/4"	-12	G 3/4"	-12	14,8 .58	18,8 .74	67,0 2,64	141,0 5,55	30,5 1,20	32 1,26	28,6 63,06	HCI-19-DKOR-12-045-C-OR-B-M-W3
25	1"	-16	G 1"	-16	19,5 .77	25,1 .99	93,0 3,66	172,5 6,79	42,5 1,67	41 1,61	55,3 121,83	HCI-25-DKOR-16-045-C-OR-B-M-W3
31	1 1/4"	-20	G 1 1/4"	-20	25,0 .98	31,8 1,25	109,0 4,29	187,0 7,36	47,5 1,87	50 1,97	98,9 218,07	HCI-31-DKOR-20-045-W-OR-B-M-W3
38	1 1/2"	-24	G 1 1/2"	-24	31,0 1,22	38,3 1,51	138,0 5,43	231,0 9,09	53,0 2,09	55 2,17	138,4 305,17	HCI-38-DKOR-24-045-W-OR-B-M-W3
51	2"	-32	G 2"	-32	40,0 1,57	50,6 1,99	167,0 6,57	263,0 10,35	77,0 3,03	70 2,76	289,4 638,02	HCI-51-DKOR-32-045-W-OR-B-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 171



90° Version

Page 173

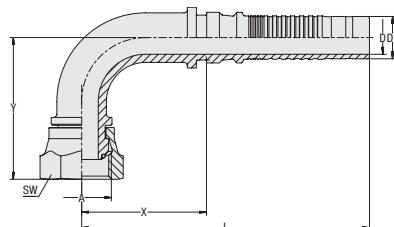


**90° Elbow Insert with Female BSPP Thread and 60° Taper / O-Ring  
Type DKOR 90°**

**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Taper with O-Ring  
**Standard** ISO 8434-6, BS 5200

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)	
10	3/8"	-06	G 3/8"	-06	6,5	9,6	31,5	73,0	37,0	22	8,8
					.26	.38	1.24	2.87	1.46	.87	19,29
12	1/2"	-08	G 1/2"	-08	9,0	12,5	38,5	85,5	41,5	27	14,8
					.35	.49	1.52	3.37	1.63	1.06	32,52
19	3/4"	-12	G 3/4"	-12	14,8	18,8	55,0	127,5	60,5	32	32,5
					.58	.74	2.17	5.02	2.38	1.26	71,66
25	1"	-16	G 1"	-16	19,5	25,1	75,5	155,0	85,0	41	63,7
					.77	.99	2.97	6.10	3.35	1.61	140,35
31	1 1/4"	-20	G 1 1/4"	-20	25,0	31,8	92,0	170,0	96,5	50	114,0
					.98	1.25	3.62	6.69	3.80	1.97	251,37
38	1 1/2"	-24	G 1 1/2"	-24	31,0	38,3	118,0	211,0	116,0	55	160,4
					1.22	1.51	4.65	8.31	4.57	2.17	353,57
51	2"	-32	G 2"	-32	40,0	50,6	143,0	239,0	157,0	70	351,4
					1.57	1.99	5.63	9.41	6.18	2.76	774,84

Dimension Y  $\pm 2,5$  mm / .10 in

D

#### Related Products and Accessories



Swage Ferrules

Pages 140-141



Straight Version

Page 171



45° Version

Page 172

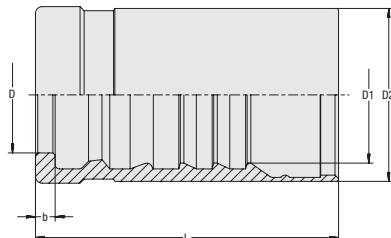


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Catalogue 4 • Edition 02/2025

173

## Internal & External Skive Swage Ferrule for Spiral Hose R15



**Ferrule Type** with Pull-Out Protection (Interlock)

**Suitable for Standards** R15  
SAE 100 R15

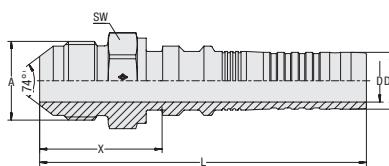
**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Maximum working pressures depending on the type of the hose connector and the hose type.

D

Hose Size			Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	D	D1	D2	L	b		
51	2"	-32	87,0 3.43	59,5 2.34	71,7 2.82	107,0 4.21	6,4 .25	127,0 279.92	HF-8000-51-W3

## Straight Insert with Male UN/UNF Thread and 74° Taper Type AGJ



**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Male UN/UNF Thread  
**Sealing Type** 74° Taper  
**Standard** ISO 8434-2

**Material** Carbon Steel  
**Surface Finishing** Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
51	2"	-32	2 1/2"-12 UN	-32	40,0 1.57	50,8 2.00	65,0 2.56	173,0 6.81	65 2.56	160,3 353.35	HCM-51-AGJ-32-M-W3



**Straight Insert with SAE Flange Adaptor  
Type SFL (3000 PSI Series)**

**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** SAE Flange Adaptor

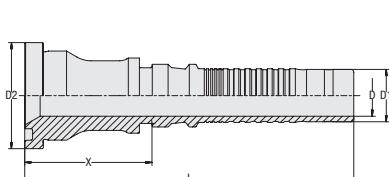
**Sealing Type** O-Ring Face Seal

(O-Ring not included in delivery.)

**Standard** SAE J 518, ISO 6162-1

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating



Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L			
51	2"	-32	2"	-32	40,0 1.57	50,8 2.00	71,4 2.81	70,0 2.76	177,5 6.99	143,9 317.19	HCM-51-SFL-32-M-W3	

**45° Elbow Insert with SAE Flange Adaptor  
Type SFL 45° (3000 PSI Series)**

**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** SAE Flange Adaptor

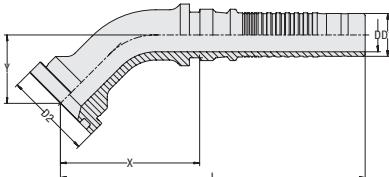
**Sealing Type** O-Ring Face Seal

(O-Ring not included in delivery.)

**Standard** SAE J 518, ISO 6162-1

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating



Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
51	2"	-32	2"	-32	40,0 1.57	50,8 2.00	71,4 2.81	163,0 6.42	207,5 8.17	72,5 2.85	250,8 553.01	HCM-51-SFL-32-045-M-W3

Dimension Y ± 2,5 mm / .10 in

**90° Elbow Insert with SAE Flange Adaptor  
Type SFL 90° (3000 PSI Series)**

**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** SAE Flange Adaptor

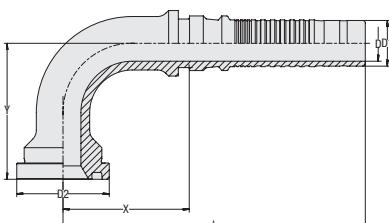
**Sealing Type** O-Ring Face Seal

(O-Ring not included in delivery.)

**Standard** SAE J 518, ISO 6162-1

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating



Hose Size			Connection Size		Dimensions (mm/in)						Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
51	2"	-32	2"	-32	40,0 1.57	50,8 2.00	79,4 3.13	138,5 5.45	246,0 9.69	150,0 5.91	336,5 741.87	HCM-51-SFS-32-090-M-W3

Dimension Y ± 2,5 mm / .10 in

**Related Products and Accessories**



Swage Ferrule

Page 174

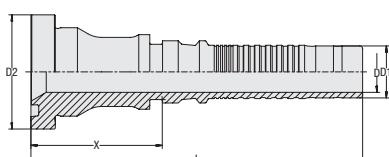


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Catalogue 4 • Edition 02/2025

175

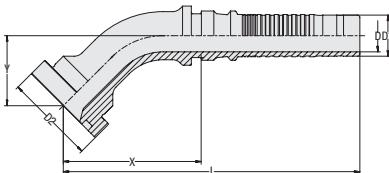
## Straight Insert with SAE Flange Adaptor Type SFS (6000 PSI Series)



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	SAE J 518, ISO 6162-2
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	inch	Dash	D	D1	D2	X	L		
51	2"	-32	2"	-32	40,0 1.57	50,8 2.00	79,4 3.13	73,5 2.89	181,0 7.13	180,3 397.56	HCM-51-SFS-32-M-W3

## 45° Elbow Insert with SAE Flange Adaptor Type SFS 45° (6000 PSI Series)

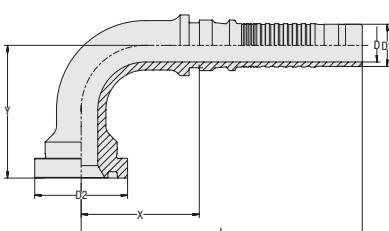


<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	SAE J 518, ISO 6162-2
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
51	2"	-32	2"	-32	40,0 1.57	50,8 2.00	79,4 3.13	160,5 6.32	268,0 10.55	70,0 2.76	277,5 611.78	HCM-51-SFS-32-045-M-W3

Dimension Y ± 2,5 mm / .10 in

## 90° Elbow Insert with SAE Flange Adaptor Type SFS 90° (6000 PSI Series)



<b>Insert Type</b>	with Pull-Out Protection (Interlock)
<b>Connection Type</b>	SAE Flange Adaptor
<b>Sealing Type</b>	O-Ring Face Seal (O-Ring not included in delivery.)
<b>Standard</b>	SAE J 518, ISO 6162-2
<b>Material</b>	Carbon Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	inch	Dash	D	D1	D2	X	L	Y		
51	2"	-32	2"	-32	40,0 1.57	50,8 2.00	79,4 3.13	138,5 5.45	246,0 9.69	150,0 5.91	336,5 741.87	HCM-51-SFS-32-090-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



Swage Ferrule

Page 174



**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female UN/UNF Nut Thread

**Sealing Type** 74° Conical Bore

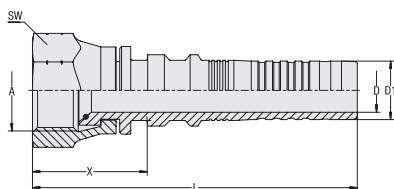
**Standard** ISO 8434-2

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating

**Sealing Material** NBR (Buna-N®)

### Straight Insert with Female UN/UNF Thread and 74° Conical Bore/ O-Ring Type DKOJ



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
51	2"	-32	2 1/2"-12 UN	-32	40,0 1.57	50,8 2.00	28,0 1.10	135,5 5.33	70 2.76	135,1 297.79	HCM-51-DKOJ-32-W-OR-B-M-W3

### 45° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore / O-Ring Type DKOJ 45°

**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female UN/UNF Nut Thread

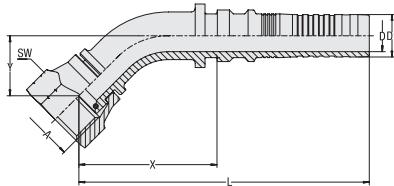
**Sealing Type** 74° Conical Bore

**Standard** ISO 8434-2

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating

**Sealing Material** NBR (Buna-N®)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
51	2"	-32	2 1/2"-12 UN	-32	40,0 1.57	50,8 2.00	156,0 6.14	263,5 10.37	67,5 2.66	70 2.76	268,6 592.26	HCM-51-DKOJ-32-045-W-OR-B-M-W3

Dimension Y ± 2,5 mm / .10 in

### 90° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore / O-Ring Type DKOJ 90°

**Insert Type** with Pull-Out Protection (Interlock)

**Connection Type** Female UN/UNF Nut Thread

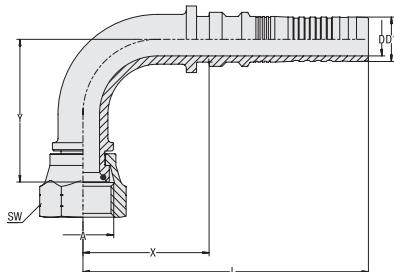
**Sealing Type** 74° Conical Bore

**Standard** ISO 8434-2

**Material** Carbon Steel

**Surface Finishing** Zinc/Nickel-Plating

**Sealing Material** NBR (Buna-N®)



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes	
DN	inch	Dash	Thread	Dash	D	D1	X	L	Y	SW (Hex)		
51	2"	-32	2 1/2"-12 UN	-32	40,0 1.57	50,8 2.00	141,0 5.55	248,5 9.78	144,0 5.67	70 2.76	329,4 726.33	HCM-51-DKOJ-32-090-W-OR-B-M-W3

Dimension Y ± 2,5 mm / .10 in

### Related Products and Accessories



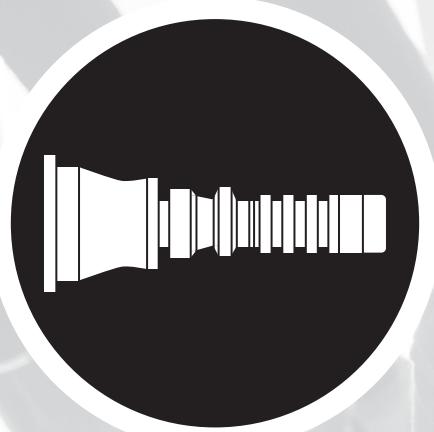
Swage Ferrule

Page 174



www.stauff.com/4/en/#177

Catalogue 4 • Edition 02/2025





**Straight Insert**  
with Female Metric Nut Thread and 24° Taper  
DKOS (Heavy Series)

180



**Straight Insert**  
with Female UN/UNF Thread and 74° Conical Bore  
DKJ

181

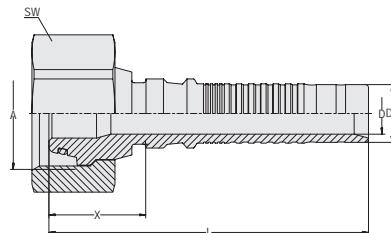


**Straight Insert**  
with Female BSPP Thread and 60° Taper / O-Ring  
DKOR

182



**Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring  
Type DKOS (Heavy Series)**



<b>Insert Type</b>	with Pull-Out Protection (Interlock) for Hammer/Breaker Operation
<b>Connection Type</b>	Female Metric Nut Thread
<b>Sealing Type</b>	24° Taper with O-Ring
<b>Standard</b>	ISO 8434-1
<b>Material</b>	High-Performance Steel
<b>Surface Finishing</b>	Zinc/Nickel-Plating
<b>Sealing Material</b>	NBR (Buna-N®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
19	3/4"	-12	M36x2	-12	13,5 .53	18,8 .74	31,5 1.24	104,0 4.09	46 1.81	39,6 87,32	HCP-19-DKO-25S-S-OR-B-M-W3-VP
25	1"	-16	M42x2	-16	17,8 .70	25,1 .99	31,5 1.24	111,0 4.37	50 1.97	52,3 115,32	HCP-25-DKO-30S-S-OR-B-M-W3-VP
31	1 1/4"	-20	M52x2	-20	23,0 .91	31,8 1.25	36,0 1.42	114,0 4.49	60 2.36	81,5 179,60	HCP-31-DKO-38S-S-OR-B-M-W3-VP

E

**Related Products and Accessories**



**MULTIVOS Swage Ferrules** Pages 140-141



**ECOVOS Version**

Pages 30-31



**ECOVOS VA Version**

Page 108



**MULTIVOS Version**

Page 147

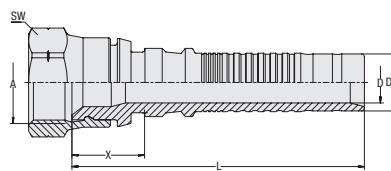


## Straight Insert with Female UN/UNF Thread and 74° Conical Bore Type DKJ

**Insert Type** with Pull-Out Protection (Interlock)  
for Hammer/Breaker Operation

**Connection Type** Female UN/UNF Nut Thread  
**Sealing Type** 74° Conical Bore  
**Standard** ISO 8434-2

**Material** High-Performance Steel  
**Surface Finishing** Zinc/Nickel-Plating



Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
19	3/4"	-12	1 1/16"-12 UN	-12	13,5 .53	18,8 .74	24,0 .94	96,5 3,80	32 1,26	20,2 44,54	HCP-19-DKJ-12-C-M-W3-VP
25	1"	-16	1 5/16"-12 UN	-16	17,8 .70	25,1 .99	25,5 1,00	105,0 4,13	41 1,61	36,3 79,93	HCP-25-DKJ-16-C-M-W3-VP
25	1"	-16	1 5/8"-12 UN	-20	17,8 .70	25,1 .99	38,5 1,52	118,0 4,65	50 1,97	54,2 119,40	HCP-25-DKJ-20-W-M-W3-VP
31	1 1/4"	-20	1 5/8"-12 UN	-20	23,0 .91	31,8 1,25	34,0 1,34	112,0 4,41	50 1,97	60,9 134,28	HCP-31-DKJ-20-W-M-W3-VP

E

### Related Products and Accessories



**MULTIVOS Swage Ferrules** Pages 140-141



**ECOVOS Version**

Page 69



**ECOVOS VA Version**

Page 132



**MULTIVOS Version**

Page 165

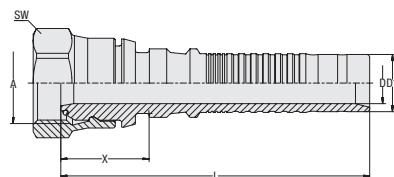


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Catalogue 4 • Edition 02/2025

181

## Straight Insert with Female BSPP Thread and 60° Taper / O-Ring Type DKOR



**Insert Type** with Pull-Out Protection (Interlock) for Hammer/Breaker Operation

**Connection Type** Female BSPP Nut Thread  
**Sealing Type** 60° Taper with O-Ring  
**Standard** ISO 8434-6, BS 5200

**Material** High-Performance Steel  
**Surface Finishing** Zinc/Nickel-Plating  
**Sealing Material** NBR (Buna-N®)

Hose Size			Connection Size		Dimensions (mm/in)					Weight (kg/lbs) ca. per 100	Ordering Codes
DN	inch	Dash	Thread	Dash	D	D1	X	L	SW (Hex)		
19	3/4"	-12	G 3/4"	-12	13,5 .53	18,8 .74	29,0 1.14	101,5 4.00	32 1.26	21,75 47.96	HCP-19-DKOR-12-C-OR-B-M-W3-VP
25	1"	-16	G 1"	-16	17,8 .70	25,1 .99	30,5 1.20	110,0 4.33	41 1.61	37,55 82.80	HCP-25-DKOR-16-C-OR-B-M-W3-VP
31	1 1/4"	-20	G 1 1/4"	-20	23,0 .91	31,8 1.25	36,0 1.42	114,0 4.49	50 1.97	61,40 135.39	HCP-31-DKOR-20-W-OR-B-M-W3-VP

E

### Related Products and Accessories



MULTIVOS Swage Ferrules Pages 140-141



ECOVOS VA Version

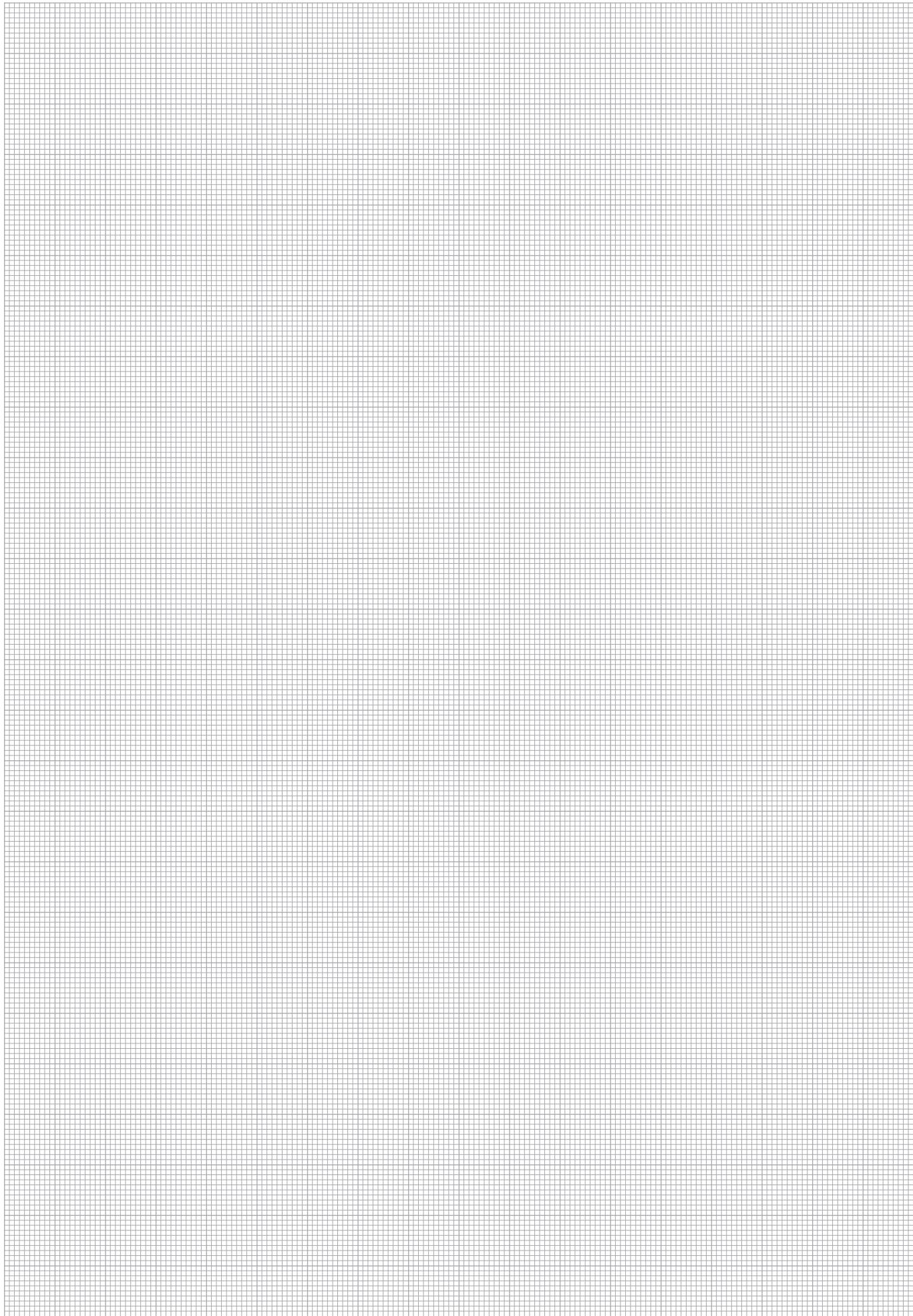
Page 136



MULTIVOS Version

Page 171





E





Checking the Operability of  
Crimped Hose Connectors by Measuring  
the Reduction of the Nipple Diameter

186

Test Mandrel Kits  
for the ECOVOS Hose Connector System

187

Test Mandrel Kits  
for the MULTIVOS Hose Connector System

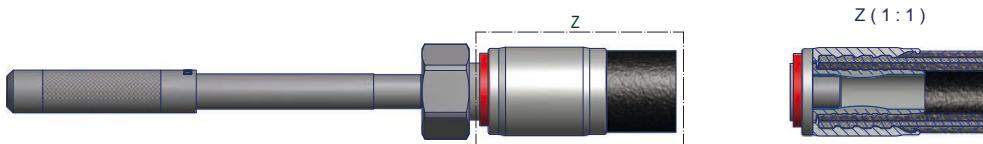
187

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## Checking the Operability of Crimped Hose Connectors by Measuring the Reduction of the Nipple Diameter

**Fig. 1: Excessive crimping, maximum reduction of nipple diameter exceeded**



**Fig. 1:**

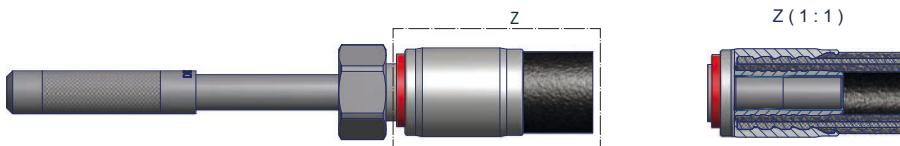
The inside nipple diameter is reduced excessively in the sealing zone through the crimp dimension, which is too tight.

**ATTENTION:** This crimped connector is not functional. This error might result in premature failure of the hose line.

The crimp diameter must be increased by several tenths of a millimeter!

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**Fig. 2: Maximum reduction of nipple diameter reached**

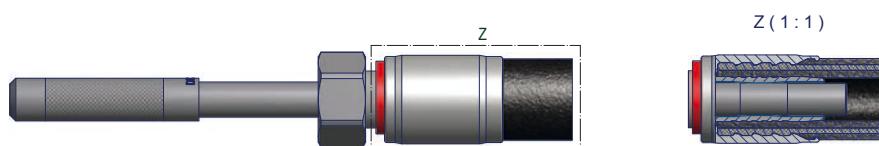


**Fig. 2:**

This illustration shows the maximum permissible reduction of the inside nipple.

The crimp diameter should not be reduced any further, since otherwise there might be the risk of a premature failure of the hose line!

**Fig. 3: Ideal reduction of nipple diameter**



**Fig. 3:**

The perfect reduction of the nipple diameter has been reached. The crimp diameter should not be changed any more.

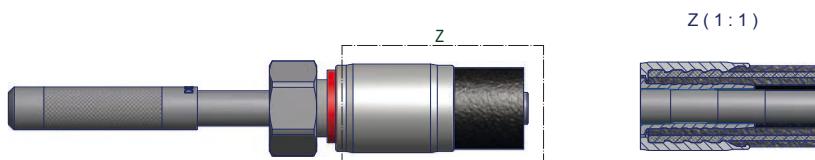
It must, however, be checked prior to any change of the hose batch.

The reached crimp dimension will correspond to the standard crimp dimension as determined from the press dimension table.



## Checking the Operability of Crimped Hose Connectors by Measuring the Reduction of the Nipple Diameter

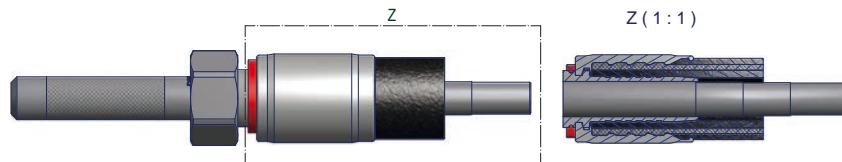
**Fig. 4: Minimum reduction of nipple diameter**



**Fig. 4:**

This illustration shows the minimum permissible reduction of the inside nipple diameter. In this case, it is still possible to reduce the crimping diameter by a few tenth of a millimeter!

**Fig. 5: No reduction of nipple diameter**



**Fig. 5:**

Crimping did not cause any reduction of the inside nipple diameter. The crimping diameter is too large.

ATTENTION: This crimped connector is not functional. There is a risk of a leak or of the hose slipping off the crimped connector. It is necessary to decrease the crimping diameter by several tenths of a millimeter!

### Test Mandrel Kits

for the ECOVOS Hose Connector System  
(Hose standards EN 853, EN 856, EN 857)

Hose Size			Ordering Codes
DN	inch	Dash	
6	1/4"	-4	
8	5/16"	-5	
10	3/8"	-6	
12	1/2"	-8	HCS-DOR-0625
16	5/8"	-10	
19	3/4"	-12	
25	1"	-16	
31	1 1/4"	-20	
38	1 1/2"	-24	HCS-DOR-3151
51	2"	-32	

**Test Mandrel Kits**  
for the MULTIVOS Hose Connector System  
(Hose standards EN 856, SAE 100 R13, SAE 100 R15)

Hose Size			Ordering Codes
DN	inch	Dash	
6	1/4"	-4	
10	3/8"	-6	
12	1/2"	-8	
16	5/8"	-10	
19	3/4"	-12	HCI-DOR-0651
25	1"	-16	
31	1 1/4"	-20	
38	1 1/2"	-24	
51	2"	-32	



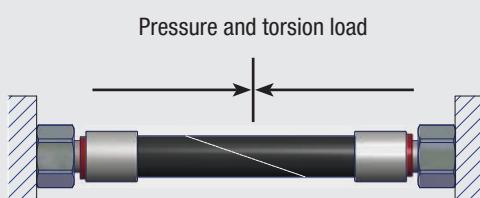


Correct Installation Techniques	190
Pulse Testing	194
Pressure Testing	195
Working Pressures for Hose Connectors	196

G



## Correct Installation Techniques



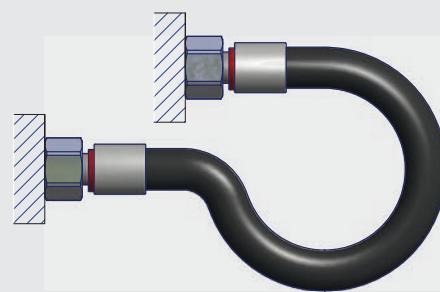
incorrect



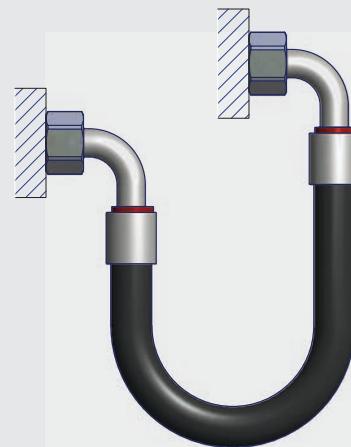
correct

Fig. 1

Avoid twisting the hose. Hoses must be installed in such a way there is no resultant tensile stress except from the own weight of hose (see Fig. 1).



incorrect



correct

Fig. 2

Wherever possible, hoses should be installed in accordance with their natural position, whereby the bending radius must not be less than the minimum permitted bending radius (see Fig. 2).

### Hose assemblies – requirements, installation according to DIN 20066

Hose assemblies must conform to the requirements of the relevant hose and hose connector standards.

However, if the hose and the hose connectors have different nominal pressures, only the lower nominal pressure may be used as the maximum permitted working pressure.

All hose connectors used must conform to the requirements of the dynamic pressure test as per ISO 6803 when interconnected with the hoses to be used in the application.

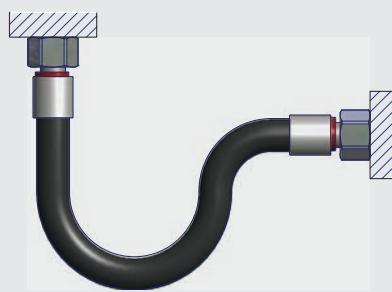
Hose connectors must conform to the requirements stipulated in DIN 20066 Part 1.

Ready assembled hose assemblies must not display any defects during a test in accordance with ISO 6803. Temporary drip formation between the insert and the socket is permitted during a pressure test with the prescribed test pressure.

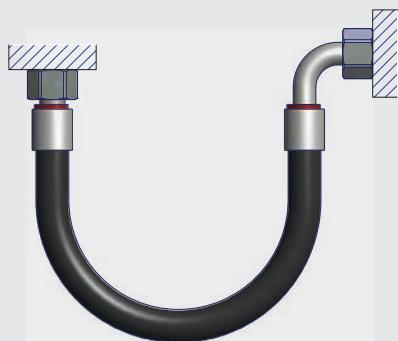
All hose assemblies must display the markings of the hose manufacturer, the date of manufacture (year and month) and the max. permitted working pressure for the assembly.



## Correct Installation Techniques



incorrect

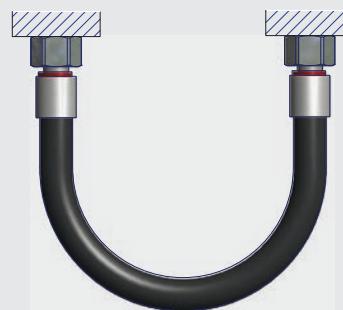


correct

Fig. 3



incorrect



correct

Fig. 4

If the hose is to be installed bent, select a length that prevents the design bending of the hose from starting until after a length of approximately 1.5 d.

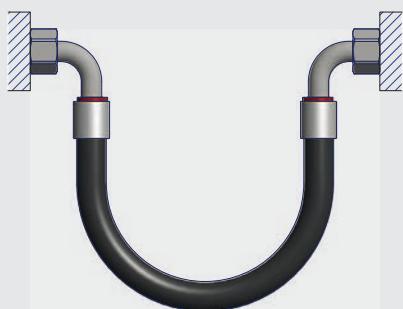
If necessary, install an anti-kinking device (see Fig 3 and 4).



## Correct Installation Techniques

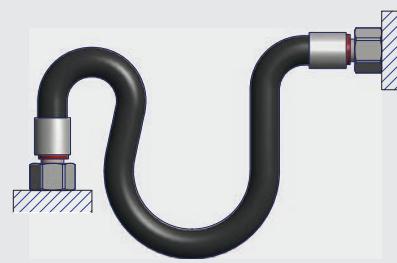


incorrect

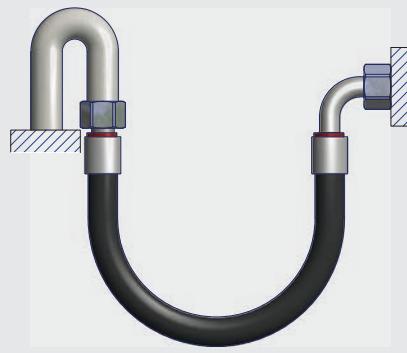


correct

Fig. 5



incorrect



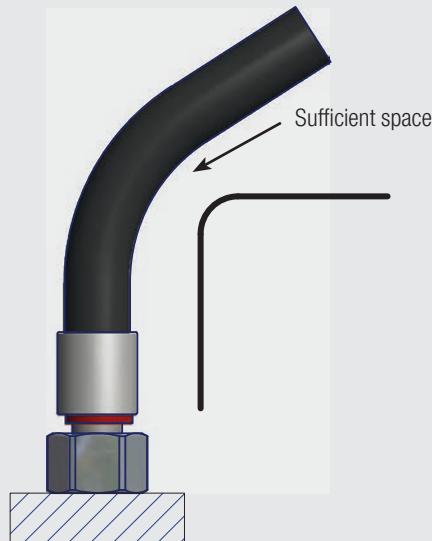
correct

Fig. 6

Use suitable hose connectors or connection pieces to prevent additional loads on the hose (see Fig. 5 and 6).

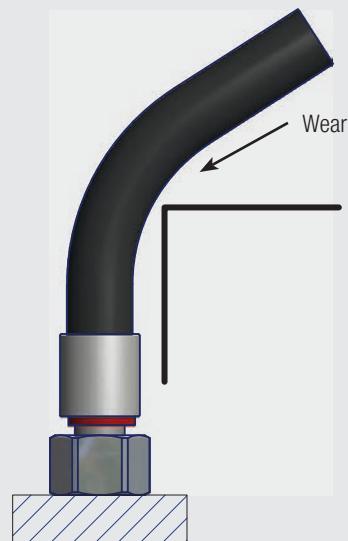


## Correct Installation Techniques



correct

Fig. 7



incorrect

Fig. 8

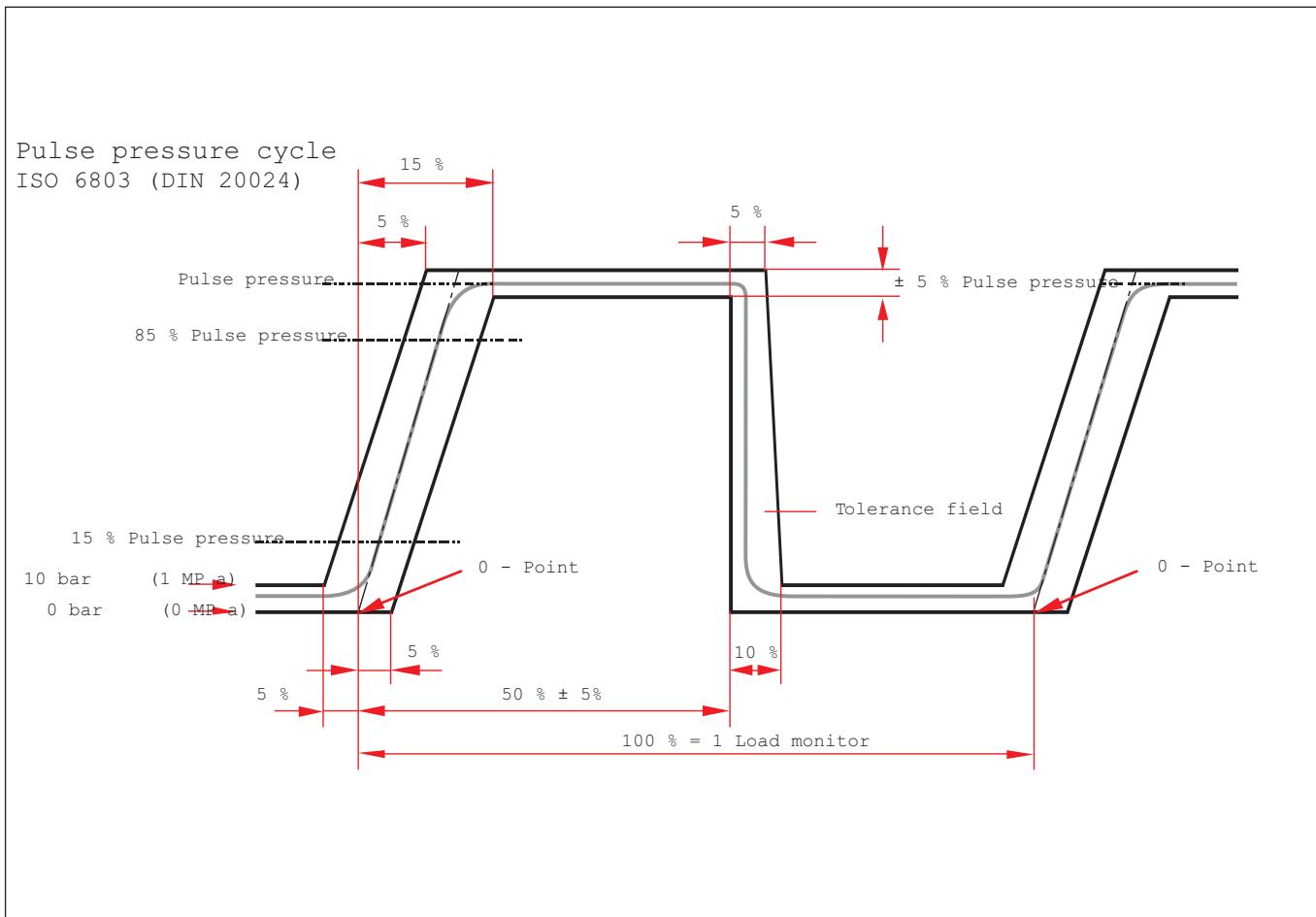
Avoid external mechanical effects on the hose, and prevent the hoses from rubbing against each other or other components, by installing and attaching them correctly (see Fig. 7).

If necessary, secure the hoses with protective coverings.  
Always cover sharp edges (see Fig. 8).

The above requirements, shown here as extracts, must be complied with to guarantee the reliability of hoses and to ensure that their service life is not reduced by additional stress.



## Pulse Testing



The pulse test is a service life test for hose assemblies. It comes very close to conditions encountered in practice. STAUFF hose connectors are mounted on hoses of various manufacturers and pulse tested in order to guarantee the best possible production quality.

During the test, the test samples are exposed – usually under static bending loads and installation at 90° or 180° – to continually increasing loads between almost zero pressure and a value, depending on the type of hose, of 20% to 33% above working pressure. The load change frequency is  $1 \pm 0,25$  Hz. The decisive statement of the pulse test is the number of load changes until failure of the hose assembly occurs.

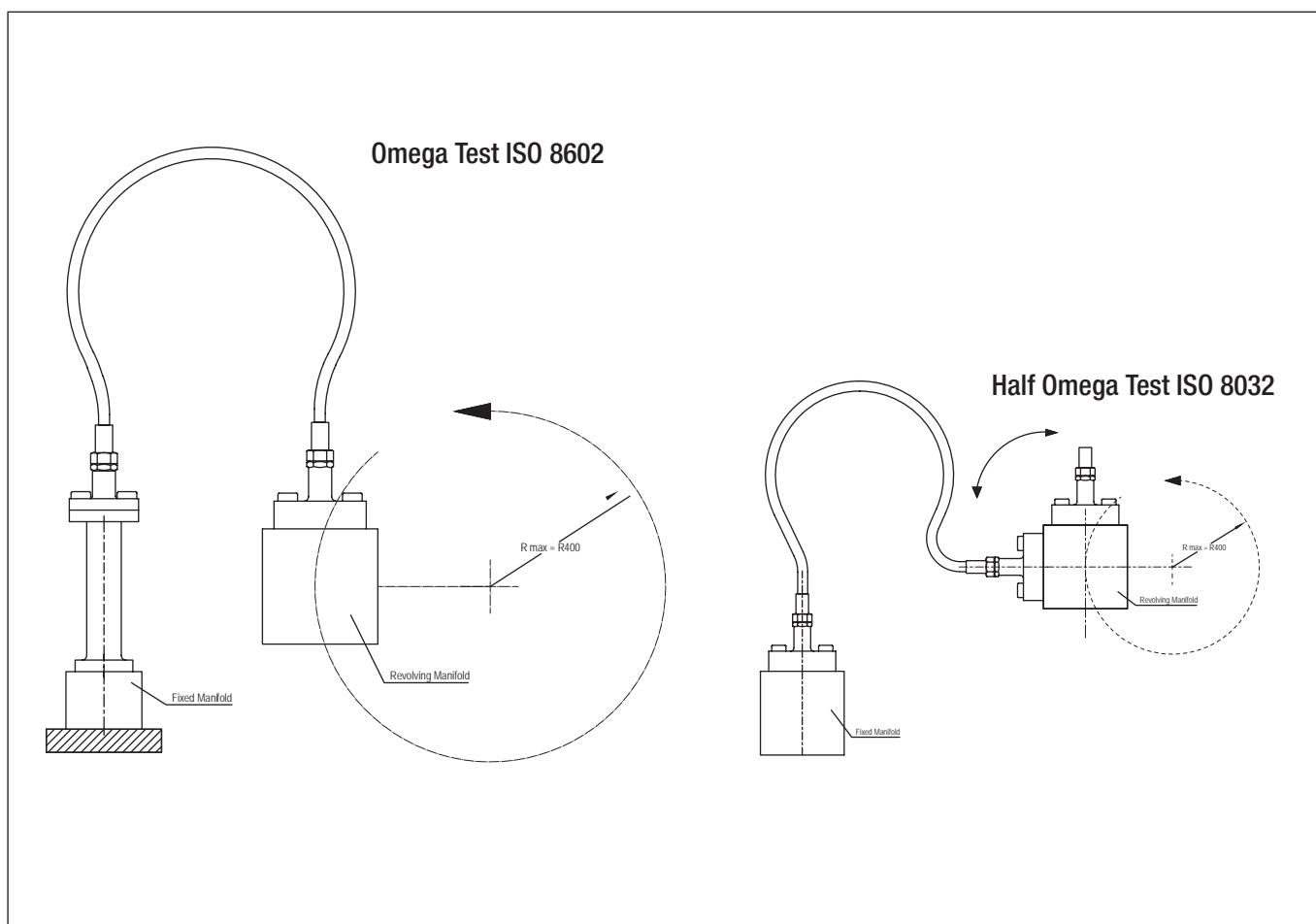
The pulse pressure test is made with a testing liquid according to the

ISO viscosity class 46 and at a test temperature of 100°C or 120°C according to the displayed trapezoid curve.

STAUFF is not only able to realize pulse tests according to ISO 6803 but also pursuant to ISO 6802 (OMEGA TEST), ISO 8032 (HALF OMEGA TEST) with dynamic alternating bending loads, and there is also the opportunity to realize the well known KOMATSU TEST. These dynamic tests can be performed according to customers' requests.

Standard values and other information on pulse test methods can be found in the standards SAE J343, ISO S1436, ISO 8032, ISO 6802 and ISO 6803.





### Working and Test Pressure

The working pressure corresponds to about 25% of the specified bursting pressure, achieving a safety factor of 4. In case of special hoses or very large nominal diameters the safety factor may be somewhat reduced, but should never be lower than safety factor 3. However, this falls under the responsibility of the hose manufacturers.

The test pressure that every finished hose assembly should be subjected to is generally 70% of the bursting pressure, so that the hose is required to prove a sufficient safety factor during the test.

### Burst Pressure

The burst pressure of a hose line is a theoretic value without use for the operator. The burst pressure indication itself is not very informative due to its various definition types. In practice this value must never be reached - even not approximately – due to the security specifications for each installation.

The test procedures for the hydrostatic test pressure and for the burst pressure test are defined in the standards EN ISO 1402 and SAE J343.



## Working Pressures for Hose Connectors (bar)

Hose Size											
DN	05	06	08	10	12	16	19	25	31	38	51
Dash	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32
Standard Connection Size											
BSP	1/8"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"
UN/UNF	3/8"-24 UNF	7/16"-20 UNF	1/2"-20 UNF	9/16"-18 UNF	3/4"-16 UNF	7/8"-14 UNF	1 1/16"-12 UN	1 5/16"-12 UN	1 5/8"-12 UN	1 7/8"-12 UN	2 1/2"-12 UN
ORFS		9/16"-18 UNF	11/16"-16 UN	13/16"-16 UN	13/16"-16 UN	1"-14 UNS	1 3/16"-12 UN	1 7/16"-12 UN	1 11/16"-12 UN	2"-12 UN	
NPT	1/8"-27 NPTF	1/4"-18 NPTF		3/8"-18 NPTF	1/2"-14 NPTF		3/4"-14 NPTF	1"-12.5 NPTF	1 1/4"-11.5 NPTF	1 1/2"-11.5 NPTF	2"-11.5 NPTF
Metr. (L)	M12x1,5 Tube Ø 6 mm	M14x1,5 Tube Ø 8 mm	M16x1,5 Tube Ø 10 mm	M18x1,5 Tube Ø 12 mm	M22x1,5 Tube Ø 15 mm	M26x1,5 Tube Ø 18 mm	M30x2 Tube Ø 22 mm	M36x2 Tube Ø 28 mm	M45x2 Tube Ø 35 mm	M52x2 Tube Ø 42 mm	
Metr. (S)	M16x1,5 Tube Ø 8 mm	M18x1,5 Tube Ø 10 mm	M20x1,5 Tube Ø 12 mm	M20x1,5 <sup>1</sup> Tube Ø 12 mm	M24x1,5 Tube Ø 16 mm	M30x2 Tube Ø 20 mm	M36x2 Tube Ø 25 mm	M42x2 Tube Ø 30 mm	M52x2 Tube Ø 38 mm		
Connection Type and Working Pressure (bar)											
CEL	420	450	420	385	350	290	280	200	175	100	
DKOL	420	450	420	385	350	290	280	200	175	100	
CES	630	630	630	630	450	420	420	420	420		
DKOS	630	630	630	630	450	420	420	420	420		
DKK						M30x1,5 63	M38x1,5 63	M45x1,5 63	M52x1,5 63	M65x2 40	
SFL					345	345	345	345	272	207	207
SFS					413	413	413	413	413	413	413
AGR	350	350	350	350	315	315	250	200	180	125	80
DKR	350	350	350	350	315	315	250	200	180	125	80
DKOR	400	400	400	400	350	350	315	250	200	160	125
AGJ	345	310	276	276	276	210	210	170	140	105	80
DKJ	345	310	276	276	276	210	210	170	140	105	80
AGN	345	310	276	276	276	210	210	170	140	105	80
ORFS	413	413	413	413	413	413	413	345	345	275	207
RGN(G) <sup>2</sup>	300	270	250	200	180	165	150	135			
Hose Type and Working Pressure (bar)											
2TE EN 854	80	75	68	63	58	50	45	40			
3TE EN 854	160	145	130	110	93	80	70	55	45	40	33
1ST / 1SN / 1SC EN 853 / EN 857	250	225	215	180	180	130	105	88	63	50	40
2ST / 2SN / 2SC EN 853 / EN 857	415	400	350	330	275	250	215	165	125	90	80
4SP EN 856		450		445	415	350	350	280	210	185	165
4SH EN 856						450	420	380	325	290	250
R15 SAE 100 R15						414	414	414	414	414	414

<sup>1</sup> Connection size 14S (M22x1,5) has been replaced by connection size 12S (M20x1,5) in DIN EN 20066.

<sup>2</sup> The indicated working pressure has been determined empirically and under laboratory conditions respectively (burst pressure : 4 x 0,9).



## Working Pressures for Hose Connectors (PSI)

Hose Size											
DN	05	06	08	10	12	16	19	25	31	38	51
Dash	-03	-04	-05	-06	-08	-10	-12	-16	-20	-24	-32
Standard Connection Size											
BSP	1/8"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1 1/4"	1 1/2"	2"
UN/UNF	3/8"-24 UNF	7/16"-20 UNF	1/2"-20 UNF	9/16"-18 UNF	3/4"-16 UNF	7/8"-14 UNF	1 1/16"-12 UN	1 5/16"-12 UN	1 5/8"-12 UN	1 7/8"-12 UN	2 1/2"-12 UN
ORFS			9/16"-18 UNF		11/16"-16 UN	13/16"-16 UN	1"-14 UNS	1 3/16"-12 UN	1 7/16"-12 UN	1 11/16"-12 UN	2"-12 UN
NPT	1/8"-27 NPTF	1/4"-18 NPTF		3/8"-18 NPTF	1/2"-14 NPTF		3/4"-14 NPTF	1"-12.5 NPTF	1 1/4"-11.5 NPTF	1 1/2"-11.5 NPTF	2"-11.5 NPTF
Metr. (L)	M12x1,5 Tube Ø 6 mm	M14x1,5 Tube Ø 8 mm	M16x1,5 Tube Ø 10 mm	M18x1,5 Tube Ø 12 mm	M22x1,5 Tube Ø 15 mm	M26x1,5 Tube Ø 18 mm	M30x2 Tube Ø 22 mm	M36x2 Tube Ø 28 mm	M45x2 Tube Ø 35 mm	M52x2 Tube Ø 42 mm	
Metr. (S)	M16x1,5 Tube Ø 8 mm	M18x1,5 Tube Ø 10 mm	M20x1,5 Tube Ø 12 mm	M20x1,5 <sup>1</sup> Tube Ø 12 mm	M24x1,5 Tube Ø 16 mm	M30x2 Tube Ø 20 mm	M36x2 Tube Ø 25 mm	M42x2 Tube Ø 30 mm	M52x2 Tube Ø 38 mm		
Connection Type and Working Pressure (PSI)											
CEL	6092	6527	6092	5584	5076	4206	4061	2901	2538	1450	
DKOL	6092	6527	6092	5584	5076	4206	4061	2901	2538	1450	
CES	9137	9137	9137	9137	6527	6092	6092	6092	6092		
DKOS	9137	9137	9137	9137	6527	6092	6092	6092	6092		
DKK						M30x1,5 914	M38x1,5 914	M45x1,5 914	M52x1,5 914	M65x2 580	
SFL					5000	5000	5000	5000	4000	3000	3000
SFS					6000	6000	6000	6000	6000	6000	6000
AGR	5075	5075	5075	5075	4568	4568	3625	2900	2610	1813	1160
DKR	5075	5075	5075	5075	4568	4568	3625	2900	2610	1813	1160
DKOR	5800	5800	5800	5800	5075	5075	4568	3625	2900	2320	1813
AGJ	5000	5000	4000	4000	4000	3000	3000	2500	2000	1500	1160
DKJ	5000	5000	4000	4000	4000	3000	3000	2500	2000	1500	1160
AGN	5000	5000	4000	4000	4000	3000	3000	2500	2000	1500	1160
ORFS	6000	6000	6000	6000	6000	6000	6000	5000	5000	4000	3000
RGN(G) <sup>2</sup>	4350	3915	3625	2900	2610	2393	2175	1958			
Hose Type and Working Pressure (PSI)											
2TE EN 854	1160	1088	986	914	841	725	653	580			
3TE EN 854	2320	2103	1885	1595	1349	1160	1015	798	653	580	479
1ST / 1SN / 1SC EN 853 / EN 857	3625	3263	3118	2610	2610	1885	1523	1276	914	725	580
2ST / 2SN / 2SC EN 853 / EN 857	6018	5800	5075	4785	3988	3625	3118	2393	1813	1305	1160
4SP EN 856		6525		6453	6018	5075	5075	4060	3045	2683	2393
4SH EN 856						6525	6090	5510	4713	4205	3625
R15 SAE 100 R15						6000	6000	6000	6000	6000	6000

<sup>1</sup> Connection size 14S (M22x1,5) has been replaced by connection size 12S (M20x1,5) in DIN EN 20066.<sup>2</sup> The indicated working pressure has been determined empirically and under laboratory conditions respectively (burst pressure : 4 x 0,9).



**Product-Specific Abbreviations**

200

**Global Contact Directory**

202



## Product-Specific Abbreviations

Abbreviation	Product Category	Product Description	Page
15000	ECOVOS Carbon Steel Hose Connectors	UVOS Skive/Non-Skive Swage Ferrule for Braided and Spiral Hose	14
15011	ECOVOS Carbon Steel Hose Connectors	Non-Skive Swage Ferrule for Braided Hose	16
15011	ECOVOS VA Stainless Steel Hose Connectors	Non-Skive Swage Ferrule for Braided Hose	92
15021	ECOVOS Carbon Steel Hose Connectors	Skive/Non-Skive Swage Ferrule for Braided Hose	17
15021	ECOVOS VA Stainless Steel Hose Connectors	Skive/Non-Skive Swage Ferrule for Braided Hose	93
15031	ECOVOS Carbon Steel Hose Connectors	Skive Swage Ferrule for Braided and Spiral Hose	18
15031	ECOVOS VA Stainless Steel Hose Connectors	Skive Swage Ferrule for Braided and Spiral Hose	94
15037	ECOVOS <sup>+</sup> Interlocking Protection for Hose Connectors	Skive Swage Ferrule for Spiral Hose	88
15211	ECOVOS Carbon Steel Hose Connectors	AGRIVOS Non-Skive Swage Ferrule for Compact Braided Hose	19
15311	ECOVOS Carbon Steel Hose Connectors	CVOS Non-Skive Swage Ferrule for Compact Braided Hose	20
15330	ECOVOS Carbon Steel Hose Connectors	Non-Skive Swage Ferrule for Hose with Textile Insert	21
15330	ECOVOS VA Stainless Steel Hose Connectors	Non-Skive Swage Ferrule for Hose with Textile Insert	95
15415	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Skive Swage Ferrule for Spiral Hose	140
15425	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Skive Swage Ferrule for Spiral Hose	140
15435	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Skive Swage Ferrule for Spiral Hose	141
15445	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Skive Swage Ferrule for Spiral Hose	141
15468	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Skive Swage Ferrule for Spiral Hose	174
AGJ	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Male UN/UNF Thread and 74° Taper	50
AGJ	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Male UN/UNF Thread and 74° Taper	117
AGJ	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Male UN/UNF Thread and 74° Taper	151 / 174
AGJG	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Male BSPP Thread and 60° Taper	51
AGJG 45°	ECOVOS Carbon Steel Hose Connectors	45° Elbow Insert with Male BSPP Thread and 60° Taper	52
AGJG 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with Male BSPP Thread and 60° Taper	53
AGJM	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Male Metric Thread and 60° Taper	54
AGJM 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with Male Metric Thread and 60° Taper	55
AGN	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Male NPTF Thread and 60° Conical Bore	56
AGN	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Male NPTF Thread and 60° Conical Bore	120
AGN	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Male NPTF Thread and 60° Conical Bore	152
AGR	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Male BSPP Thread and 60° Conical Bore	47
AGR	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Male BSPP Thread and 60° Conical Bore	116
AGR	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Male BSPP Thread and 60° Conical Bore	150
AGR	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Male BSPP Thread	48
AGR	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Male BSPP Thread	118
AGRK	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Male BSPT Thread	49
AGRK	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Male BSPT Thread	119
AS	ECOVOS <sup>+</sup> Interlocking Protection for Hose Connectors	Mobile Interlocking Protection Ring	88
BEL	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Standpipe	96
BEL 45°	ECOVOS VA Stainless Steel Hose Connectors	45° Elbow Insert with Standpipe	97
BEL 90°	ECOVOS VA Stainless Steel Hose Connectors	90° Elbow Insert with Standpipe	98
BES	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Standpipe	99
BES 45°	ECOVOS VA Stainless Steel Hose Connectors	45° Elbow Insert with Standpipe	100
BES 90°	ECOVOS VA Stainless Steel Hose Connectors	90° Elbow Insert with Standpipe	101
CEL	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Male Metric Thread and 24° Conical Bore	22
CEL	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Male Metric Thread and 24° Conical Bore	102
CEL	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Male Metric Thread and 24° Conical Bore	142
CES	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Male Metric Thread and 24° Conical Bore	23
CES	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Male Metric Thread and 24° Conical Bore	103
CES	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Male Metric Thread and 24° Conical Bore	143
DKJ	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Female UN/UNF Thread and 74° Conical Bore	69
DKJ	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Female UN/UNF Thread and 74° Conical Bore	132
DKJ	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Female UN/UNF Thread and 74° Conical Bore	165
DKJ	POWERVOS High-Performance Steel Hose Connectors	Straight Insert with Female UN/UNF Thread and 74° Conical Bore	181
DKJ 45°	ECOVOS Carbon Steel Hose Connectors	45° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore	70
DKJ 45°	ECOVOS VA Stainless Steel Hose Connectors	45° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore	133
DKJ 45°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	45° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore	166
DKJ 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore	71
DKJ 90°	ECOVOS VA Stainless Steel Hose Connectors	90° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore	134
DKJ 90°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	90° Elbow Insert with Female UN/UNF Thread and 74° Conical Bore	167
DKJG	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Female BSPP Thread and 60° Conical Bore	72
DKJG 45°	ECOVOS Carbon Steel Hose Connectors	45° Elbow Insert with Female BSPP Thread and 60° Conical Bore	73
DKJG 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with Female BSPP Thread and 60° Conical Bore	74
DKJM	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Female Metric Thread and 60° Conical Bore	75
DKJM 45°	ECOVOS Carbon Steel Hose Connectors	45° Elbow Insert with Female Metric Thread and 60° Conical Bore	76
DKJM 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with Female Metric Thread and 60° Conical Bore	77
DKK	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Female Metric Nut Thread and Metal Seat	44
DKK	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Female Metric Nut Thread and Metal Seat	113
DKK 45°	ECOVOS Carbon Steel Hose Connectors	45° Elbow Insert with Female Metric Thread and Metal Seat	45
DKK 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with Female Metric Thread and Metal Seat	46
DKK 90°	ECOVOS VA Stainless Steel Hose Connectors	90° Elbow Insert with Female Metric Thread and Metal Seat	115
DKL	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Female Metric Nut Thread and 24° Taper	104
DKL 45°	ECOVOS VA Stainless Steel Hose Connectors	45° Elbow Insert with Female Metric Nut Thread and 24° Taper	105
DKL 90°	ECOVOS VA Stainless Steel Hose Connectors	90° Elbow Insert with Female Metric Nut Thread and 24° Taper	106



## Product-Specific Abbreviations

Abbreviation	Product Category	Product Description	Page
DKOJ	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Female UN/UNF Thread and 74° Taper / O-Ring	177
DKOJ 45°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	45° Elbow Insert with Female UN/UNF Thread and 74° Taper / O-Ring	177
DKOJ 90°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	90° Elbow Insert with Female UN/UNF Thread and 74° Taper / O-Ring	177
DKOL	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring	24
DKOL	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring	107
DKOL	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring	144
DKOL 45°	ECOVOS Carbon Steel Hose Connectors	45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	26
DKOL 45°	ECOVOS VA Stainless Steel Hose Connectors	45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	108
DKOL 45°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	145
DKOL 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	28
DKOL 90°	ECOVOS VA Stainless Steel Hose Connectors	90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	109
DKOL 90°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	146
DKOR	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Female BSPP Thread and 60° Taper / O-Ring	136
DKOR	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Female BSPP Thread and 60° Taper / O-Ring	171
DKOR	POWERVOS High-Performance Steel Hose Connectors	Straight Insert with Female BSPP Thread and 60° Taper / O-Ring	183
DKOR 45°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	45° Elbow Insert with Female BSPP Thread and 60° Taper / O-Ring	172
DKOR 90°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	90° Elbow Insert with Female BSPP Thread and 60° Taper / O-Ring	173
DKOS	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring	30
DKOS	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring	110
DKOS	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring	147
DKOS	POWERVOS High-Performance Steel Hose Connectors	Straight Insert with Female Metric Nut Thread and 24° Taper / O-Ring	184
DKOS 45°	ECOVOS Carbon Steel Hose Connectors	45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	32
DKOS 45°	ECOVOS VA Stainless Steel Hose Connectors	45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	111
DKOS 45°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	45° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	148
DKOS 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	34
DKOS 90°	ECOVOS VA Stainless Steel Hose Connectors	90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	112
DKOS 90°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	90° Elbow Insert with Female Metric Nut Thread and 24° Taper / O-Ring	149
DKR	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Female BSPP Thread and 60° Taper	64
DKR	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Female BSPP Thread and 60° Taper	127
DKR	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Female BSPP Thread and 60° Taper	162
DKR 45°	ECOVOS Carbon Steel Hose Connectors	45° Elbow Insert with Female BSPP Thread and 60° Taper	65
DKR 45°	ECOVOS VA Stainless Steel Hose Connectors	45° Elbow Insert with Female BSPP Thread and 60° Taper	128
DKR 45°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	45° Elbow Insert with Female BSPP Thread and 60° Taper	163
DKR 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with Female BSPP Thread and 60° Taper	66
DKR 90°	ECOVOS VA Stainless Steel Hose Connectors	90° Elbow Insert with Female BSPP Thread and 60° Taper	129
DKR 90°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	90° Elbow Insert with Female BSPP Thread and 60° Taper	164
DKRF	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Female BSPP Thread	67
DKRF	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Female BSPP Thread	130
DKRF 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with Female BSPP Thread	68
DKRF 90°	ECOVOS VA Stainless Steel Hose Connectors	90° Elbow Insert with Female BSPP Thread	131
ORFS	ECOVOS Carbon Steel Hose Connectors	Straight Insert with O-Ring Face Seal Connection	57
ORS	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Female UN/UNF Thread for O-Ring Face Seal Connection	78
ORS	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with Female UN/UNF Thread for O-Ring Face Seal Connection	135
ORS	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with Female UN/UNF Thread for O-Ring Face Seal Connection	168
ORS 45°	ECOVOS Carbon Steel Hose Connectors	45° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection	79
ORS 45°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	45° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection	169
ORS 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection	80
ORS 90°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	90° Elbow Insert with Female UN/UNF Thread for O-Ring Face Seal Connection	170
RGN	ECOVOS Carbon Steel Hose Connectors	Straight Metric Banjo Insert	82
RGNG	ECOVOS Carbon Steel Hose Connectors	Straight Imperial Banjo Insert	83
SFC	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with SAE Flange Adaptor (9000 PSI Series)	159
SFC 45°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	45° Elbow Insert with SAE Flange Adaptor (9000 PSI Series)	160
SFC 90°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	90° Elbow Insert with SAE Flange Adaptor (9000 PSI Series)	161
SFL	ECOVOS Carbon Steel Hose Connectors	Straight Insert with SAE Flange Adaptor (3000 PSI Series)	58
SFL	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with SAE Flange Adaptor (3000 PSI Series)	121
SFL	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with SAE Flange Adaptor (3000 PSI Series)	153 / 175
SFL 45°	ECOVOS Carbon Steel Hose Connectors	45° Elbow Insert with SAE Flange Adaptor (3000 PSI Series)	59
SFL 45°	ECOVOS VA Stainless Steel Hose Connectors	45° Elbow Insert with SAE Flange Adaptor (3000 PSI Series)	122
SFL 45°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	45° Elbow Insert with SAE Flange Adaptor (3000 PSI Series)	154 / 175
SFL 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with SAE Flange Adaptor (3000 PSI Series)	60
SFL 90°	ECOVOS VA Stainless Steel Hose Connectors	90° Elbow Insert with SAE Flange Adaptor (3000 PSI Series)	123
SFL 90°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	90° Elbow Insert with SAE Flange Adaptor (3000 PSI Series)	155 / 175
SFS	ECOVOS Carbon Steel Hose Connectors	Straight Insert with SAE Flange Adaptor (6000 PSI Series)	61
SFS	ECOVOS VA Stainless Steel Hose Connectors	Straight Insert with SAE Flange Adaptor (6000 PSI Series)	124
SFS	MULTIVOS High-Pressure Carbon Steel Hose Connectors	Straight Insert with SAE Flange Adaptor (6000 PSI Series)	156 / 176
SFS 45°	ECOVOS Carbon Steel Hose Connectors	45° Elbow Insert with SAE Flange Adaptor (6000 PSI Series)	62
SFS 45°	ECOVOS VA Stainless Steel Hose Connectors	45° Elbow Insert with SAE Flange Adaptor (6000 PSI Series)	125
SFS 45°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	45° Elbow Insert with SAE Flange Adaptor (6000 PSI Series)	157 / 176
SFS 90°	ECOVOS Carbon Steel Hose Connectors	90° Elbow Insert with SAE Flange Adaptor (6000 PSI Series)	63
SFS 90°	ECOVOS VA Stainless Steel Hose Connectors	90° Elbow Insert with SAE Flange Adaptor (6000 PSI Series)	126
SFS 90°	MULTIVOS High-Pressure Carbon Steel Hose Connectors	90° Elbow Insert with SAE Flange Adaptor (6000 PSI Series)	158 / 176
SN-WC	ECOVOS Carbon Steel Hose Connectors	Union Nut for Straight Insert with Pressure Washer Connector	81
WCC	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Pressure Washer Connector	81
WCS	ECOVOS Carbon Steel Hose Connectors	Straight Insert with Pressure Washer Connector	81



## Global Contact Directory

STAUFF products and services are globally available through wholly-owned subsidiaries and a tight network of authorised distributors and representatives in all major industrial regions of the world.

Contact information on this page may be subject to changes and additions over time. Frequently updated and complete contact information can always be found at [www.stauff.com](http://www.stauff.com).

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Introduction

**ECOVOS™**

Carbon Steel Hose Connectors

**ECOVOS+**

Mobile Interlocking Protection

**ECOVOS™ VA**

Stainless Steel Hose Connectors

**MULTIVOS™**

High-Pressure Carbon Steel Hose Connectors

**POWERVOS™**

High-Pressure High-Performance Steel Hose Connectors

Test Mandrels and Mandrel Kits

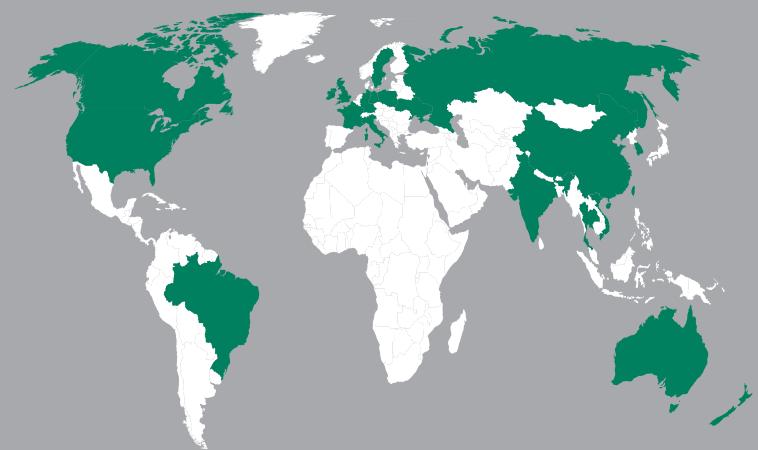
Technical Appendix

Appendix



## Catalogue 4

### STAUFF Hose Connectors



#### Germany

**Walter Stauffenberg GmbH & Co. KG**  
Im Ehrenfeld 4  
58791 Werdohl

STAUFF products and services are globally available through wholly-owned subsidiaries and a tight network of authorised distributors and representatives in all major industrial regions of the world.

Contact STAUFF:

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