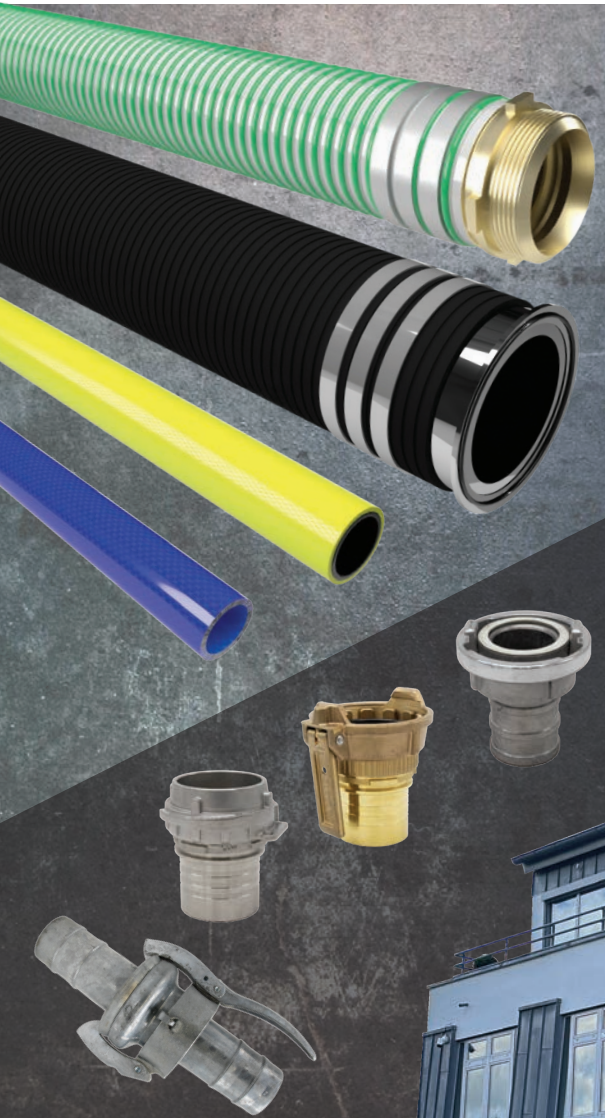




Frauenhof

Pure Quality. Pure Service. Pure Frauenhof.

Industrial- and Suction Hoses



Synthetic Spiral Hoses

Rubber Spiral Hoses

Water Hoses

Air Hoses

Fittings

Accessories



Complaints

We see ourselves as a service provider. As such, it is our task to offer you the greatest possible added value through our services.

As a dealer with integrated assembly, we are integrated into a network of manufacturers and other service providers. At all these interfaces, people take care of your requirements and needs. Should you nevertheless have a complaint or claim, please do not hesitate to contact us. In dialogue with you and the partners involved, we use our experience to ensure that you as our customer feel that you are in good hands.

[illegible]

Technische Bezeichnung – Kundenfragebogen –	
Bezeichnung Nr.:	Datum der Bezeichnung:
Name:	eventueller Einkäufer:
Bezeichnung:	Bezeichnung:
Abgabe/Anlage Nr.:	Uhrzeit/Ort:
Ort:	
Zeitraum:	
Problembeschreibung bzw. Erscheinungsbild: (Was wird beobachtet? Ggf. Foto!)	
Geführte Tätigkeit bei Erscheinen des Problems: (Was und wann hat das Problem auf? Wie ging der Ablauf aus? Ist es? Einmalbeobachtung? Ggf. ...)	
Standort des Problems: (Was wurde in der Betriebs genommen und wie viele Betriebsstellen hatte es bei Auftreten?)	
Interdisziplinär:	Bedienungsdruck ca.:
Bei Beendigung einer Schichtleistung: Welche Seite war bei der Schichtleistung? (Versteht auf der Anlage oder einem Programm?) Woher ist dieses heute in Betrieb? (Welche Seite?) Welche Veränderungen hat der Schicht? (Versteht auf der Anlage?) Welche Operationen hat (Ggf. nach der Schicht?) (Versteht auf der Anlage?) War die Schichtleistung nach der Originalanweisung? Was war, wenn die Anweisung bei der Leistung nicht? (Original-Verfahren Regel?) Wie werden diese bei der Leistung ausgeführt? ...	
Hinweise: (z.B. Änderung einer Schichtleistung, Problemlösung, Hinweis des meistein mit dem Problem, mit dem Original-Anweisung vorgelegt wurde können (ohne Auftrag) ...)	
Satz 12	
Mühlentempel-Satz 3-4 - 67234 Hahn - Telefon (02103) 2464-4 - Telefax (02103) 2464-12	
Internet: www.raumfahrt.de - E-mail: entwurf@raumfahrt.de	



Fittings

Perrot Couplings

TW Couplings

HF Flange System

Geka Couplings

Compressed Air Couplings

Breathing Air Couplings

Perrot Couplings

Mother Coupling

Article no.	Perrot M part
190586	50 x 50
190587	89 x 75
190588	89 x 80
190589	89 x 90
190590	108 x 100
190592	133 x 125
190593	159 x 150
190594	216 x 200



Father Coupling

Article no.	Perrot V part
190577	50 x 50
190578	89 x 75
190579	89 x 80
190580	89 x 90
190581	108 x 102
190582	108 x 110
190583	133 x 125
190584	159 x 150
190585	216 x 200



Reverse Pieces

Article no.	Description
190470	Perrot reverse piece V part, KDVT 50
190471	Perrot reverse piece V part, KDVT 70
190472	Perrot reverse piece V part, KDVT 89
190473	Perrot reverse piece V part, KDVT 108
190474	Perrot reverse piece V part, KDVT 133
190475	Perrot reverse piece V part, KDVT 159
190477	Perrot reverse piece M part steel lever mechanism, KDVT 50
190478	Perrot reverse piece M part steel lever mechanism, KDVT 70
190479	Perrot reverse piece M part steel lever mechanism, KDVT 89
190480	Perrot reverse piece M part steel lever mechanism, KDVT 108
190481	Perrot reverse piece M part steel lever mechanism, KDVT 133
190482	Perrot reverse piece M part steel lever mechanism, KDVT 159



Transition Pieces

Article no.	Description
190423	Perrot transition piece V-M steel lever mechanism, KKMGV 89 x 50
190432	Perrot transition piece V-M steel lever mechanism, KKMGV 108 x 89
190433	Perrot transition piece V-M steel lever mechanism, KKMGV 133 x 108
190434	Perrot transition piece V-M steel lever mechanism, KKMGV 159 x 133
190435	Perrot transition piece V-M steel lever mechanism, KGMKV 70 x 89
190436	Perrot transition piece V-M steel lever mechanism, KGMKV 108 x 89
190437	Perrot transition piece V-M steel lever mechanism, KGMKV 133 x 89



190438	Perrot transition piece V-M steel lever mechanism, KGMKV 133 x 108
190439	Perrot transition piece V-M steel lever mechanism, KGMKV 159 x 89
190440	Perrot transition piece V-M steel lever mechanism, KGMKV 159 x 133
190441	Perrot transition piece V-M steel lever mechanism, KGMKV 159 x 108
190448	Perrot transition piece V-M steel lever mechanism, KKMGV 108 x 70
190455	Perrot transition piece V-M steel lever mechanism, KKMGV 133 x 89

End Plugs

Article no.	Description
190442	Perrot end plugs M part steel lever mechanism, KMX 50
190443	Perrot end plugs M part steel lever mechanism, KMX 70
190444	Perrot end plugs M part steel lever mechanism, KMX 89
190445	Perrot end plugs M part steel lever mechanism, KMX 108
190446	Perrot end plugs M part steel lever mechanism, KMX 133
190447	Perrot end plugs M part steel lever mechanism, KMX 159
190885	Perrot end plugs M part steel lever mechanism, KMX 216
190449	Perrot end plugs V part, K VX 50
190450	Perrot end plugs V part, K VX 70
190451	Perrot end plugs V part, K VX 89
190452	Perrot end plugs V part, K VX 108
190453	Perrot end plugs V part, K VX 133
190454	Perrot end plugs V part, K VX 159



Rubber Rings

Article no.	Description
190556	Oil-Resistant Rubber Ring KKG 50
190557	Oil-Resistant Rubber Ring KKG 70
190558	Oil-Resistant Rubber Ring KKG 89
190559	Oil-Resistant Rubber Ring KKG 108
190560	Oil-Resistant Rubber Ring KKG 133
190561	Oil-Resistant Rubber Ring KKG 159



TW-Couplings

TW Couplings Stainless Steel

Article no.	Description	Thread size	Material	kg
300166	VC 50	2"	Stainless Steel	0,32 kg
300168	VC 80	3"	Stainless Steel	0,70 kg
300364	VC 100	4"	Stainless Steel	1,13 kg
300171	MC 50	2"	Stainless Steel	0,64 kg
300173	MC 80	3"	Stainless Steel	1,39 kg
300366	MC 100	4"	Stainless Steel	2,41 kg



TW Blind Couplings Stainless Steel

Article no.	Description	Material	kg
300149	MB 50	Stainless Steel	0,33 kg
300153	MB 80	Stainless Steel	0,77 kg
300365	MB 100	Stainless Steel	1,19 kg
300158	VB 50	Stainless Steel	0,29 kg
300162	VB 80	Stainless Steel	0,72 kg
300323	VB 100	Stainless Steel	1,15 kg



TW Couplings Brass

Article no.	Description	Thread size	Material	kg
300165	VC 50	2"	Brass	0,34 kg
300167	VC 80	3"	Brass	0,78 kg
300169	VC 100	4"	Brass	1,10 kg
300170	MC 50	2"	Brass	0,70 kg
300172	MC 80	3"	Brass	1,54 kg
300174	MC 100	4"	Brass	2,71 kg



TW Blind Couplings Brass

Article no.	Description	Material	kg
300148	MB 50	Brass	0,35 kg
300152	MB 80	Brass	1,05 kg
300157	VB 50	Brass	0,41 kg
300160	VB 80	Brass	0,63 kg



Further Blind Couplings

Article no.	Description	Material	kg
300147	MB 50	Aluminium	0,12 kg
300151	MB 80	Aluminium	0,30 kg
300154	MB 100	Aluminium	0,46 kg
300156	VB 50	Aluminium	0,14 kg
300161	VB 80	Aluminium	0,27 kg
300164	VB 100	Aluminium	0,40 kg
300155	VB 50	Polyamide	0,04 kg
300159	VB 80	Polyamide	0,12 kg
300163	VB 100	Polyamide	0,16 kg

HF Flange System

HF Gland Nozzles

Article no.	Gland ring size	Hose diameter	
140224	100 mm	50 mm	60 mm
140223	100 mm	80 mm	90 mm
140053	100 mm	104 mm	120 mm
140212	125 mm	127 mm	120 mm
140054	150 mm	154 mm	170 mm
140055	200 mm	204 mm	185 mm



Nut Clamping Rings

Article no.	
140063	100 mm
140064	125 mm/150 mm
140065	200 mm



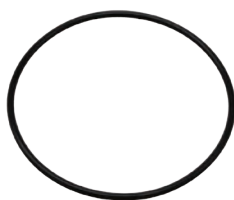
Safety Cotter Pins

Article no.	
140067	100 mm/150 mm
140069	200 mm



O-Rings

Article no.	
230130	100 mm
230131	150 mm
230232	200 mm



HF Flange Distributor

Article no.	Description
140245	DN 200 on 2 x DN 150
140246	DN 200 on 2 x DN 100
140247	DN 150 on 2 x DN 100
140341	DN 150 on 3 x DN 100
140354	DN 200 on 3 x DN 150
140355	DN 200 on 3 x DN 100
140357	DN 150 on 2 x DN 80
140363	DN 200 on 3 x DN 80



HF Flange Adapters

Article no.	Description
140230	Adapter DN 200 on Perrot M 216
140231	Adapter DN 200 on Perrot V 216
140232	Adapter DN 200 on Perrot V 159
140233	Adapter DN 150 on Perrot M 159
140234	Adapter DN 150 on Perrot V 159
140235	Adapter DN 150 on Perrot V 108
140236	Adapter DN 100 on Perrot M 108
140237	Adapter DN 100 on Perrot V 108
140238	Adapter DN 100 on TW MK 100 Ms.
140239	Adapter DN 100 on TW VK 100 Ms.
140240	Adapter DN 100 on Storz A Alu
140358	Adapter DN 150 on Storz A
140363	Adapter DN 100 on Storz Fest A Alu



HF Flange Reducers

Article no.	Description
140059	Reduction from DN 200 to DN 150
140060	Reduction from DN 150 to DN 100
140223	Reduction from DN 100 to DN 80
140224	Reduction from DN 100 to DN 50



HF Flange Bends

Article no.	Description	
140254	Bend 90°	100 mm
140255	Bend 45°	100 mm
140291	Bend 90°, extra long	150 mm
140252	Bend 90°	150 mm
140253	Bend 45°	150 mm
140151	Bend 90°, extra long	200 mm
140250	Bend 90°	200 mm
140251	Bend 45°	200 mm



HF Flange Pipes

Article no.			Wall thickness
140268	100 mm	2 m	1 mm
140267	100 mm	3 m	1 mm
140266	100 mm	5 m	1 mm
140265	150 mm	2 m	2 mm
140264	150 mm	3 m	2 mm
140263	150 mm	5 m	2 mm
140262	200 mm	2 m	2 mm
140261	200 mm	3 m	2 mm
140260	200 mm	5 m	2 mm



HF Deep Vacuum Pump

Article no.			Wall thickness
140359	100 mm	1,3 m	2 mm
140360	150 mm	1,3 m	2 mm



HF Flange Wel-on Rings

Article no.	Description	
140313	HF flange weld-on ring	125 mm
140100	HF flange weld-on ring	150 mm
140080	HF flange weld-on ring	200 mm



HF Flange Weld-on Nozzles

Article no.	Description	
140056	HF flange weld-on nozzles	100 mm



HF Flange Blind Couplings

Article no.	Description	
140282	HF flange blind coupling	100 mm
140281	HF flange blind coupling	150 mm
140280	HF flange blind coupling	200 mm



HF Flange Water Ring Nozzle

Artikelnummer	Bezeichnung	
140287	HF-Flanschwasserringdüsen	100 mm
140286	HF-Flanschwasserringdüsen	150 mm
140285	HF-Flanschwasserringdüsen	200 mm



Storz-Couplings

Storz Suction Couplings

Article no.	Suction couplings
100113	DN 25
100121	DN 50
100124	DN 75
100127	DN 100



Storz Fixed Couplings (inner thread)

Article no.	Fixed couplings (inner thread)
100130	DN 25
100136	DN 50
100141	DN 75
100143	DN 100



Storz Fixed Couplings (outer thread)

Article no.	Fixed couplings (outer thread)
100145	DN 25
100147	DN 50
100150	DN 75
100152	DN 100



Storz Blind Couplings

Article no.	Blind couplings
100153	DN 25
100154	DN 50
100155	DN 75
100156	DN 100



Other sizes and designs are available on request.



Geka-Couplings

Water Hose Quick Couplings

Article no.	Size
100067	3/8"
100068	1/2"
100069	3/4"
100070	1"
100071	1 1/4"
100072	1 1/2"



Hose connectors with inside thread

Article no.	Size
100056	1/2"
100057	3/4"
100058	1"
100059	1 1/4"
100060	1 1/2"



Hose connectors with outer thread

Article no.	Size
100062	1/2"
100063	3/4"
100064	1"
100075	1 1/4"
100076	1 1/2"



Proper **blind couplings**, **branch pieces** and **spare seals** are available for all the hose and thread pieces.



Compressed Air Fittings

Scope of Application

- Pneumatics, machine engineering and plant manufacturing
- Measurement and control technology
- Manufacturing industry
- Medical engineering
- Chemical and pharmaceutical industry
- Workshops, automotive industry



Properties

- Medium and ambient temperature -20°C to +100°C
- Housing, sheath and valve insert: blank brass
- Spring, circlip: non-rusting steel
- Locking pins: non-rusting steel
- Sealing material : NBR

Quick-connect coupling NW 7,2, blank brass, outer thread

Type no.	Connector	SW			
243.00-E	G 1/8" male	21 mm	37,5 mm	24,6 mm	508 psi
243.01-E	G 1/4" male	21 mm	39,0 mm	24,6 mm	508 psi
243.02-E	G 3/8" male	21 mm	39,0 mm	24,6 mm	508 psi
243.03-E	G 1/2" male	21 mm	40,5 mm	24,6 mm	508 psi

Quick-connect coupling NW 7,2, blank brass, outer thread, with sealing thread coating

Type no.	Connector	SW			
243.01-EB	G 1/4" male	21 mm	39,0 mm	24,6 mm	174 psi
243.02-EB	G 3/8" male	21 mm	39,0 mm	24,6 mm	174 psi
243.03-EB	G 1/2" male	21 mm	40,5 mm	24,6 mm	174 psi

Quick-connect coupling NW 7,2, blank brass, inner thread

Type no.	Connector	SW			
243.11-E	G 1/4" female	21 mm	40,5 mm	24,5 mm	508 psi
243.22-E	G 3/8" female	21 mm	40,5 mm	24,5 mm	508 psi
243.33-E	G 1/2" female	21 mm	42,5 mm	24,5 mm	508 psi

Quick-connect coupling NW 7,2, blank brass, with hose nozzle

Type no.	Connector	SW			
243.44-E	Nozzle LW 6	-	54,0 mm	24,6 mm	508 psi
243.47-E	Nozzle LW 8	-	54,0 mm	24,6 mm	508 psi
243.45-E	Nozzle LW 9	-	54,0 mm	24,6 mm	508 psi
243.49-E	Nozzle LW 10	-	54,0 mm	24,6 mm	508 psi
243.46-E	Nozzle LW 13	-	53,5 mm	24,6 mm	508 psi

Quick-connect coupling NW 7,2, blank brass

Type no.	Connector	SW			
243.06	Nozzle LW 6	-	44,0 mm	12,0 mm	508 psi
243.351	Nozzle LW 8	-	48,0 mm	12,0 mm	508 psi
243.07	Nozzle LW 9	-	44,0 mm	12,0 mm	508 psi
243.352	Nozzle LW 10	-	48,0 mm	12,0 mm	508 psi
243.10	Nozzle LW 13	-	46,0 mm	11,9 mm	508 psi

Nipple for couplings NW 7,2-NW 7,8, blank brass, outer thread

Type no.	Connector	SW			
243.48	Nipple G 1/8" male	14 mm	31,0 mm	-	508 psi
243.50	Nipple G 1/4" male	17 mm	32,0 mm	-	508 psi
243.51	Nipple G 3/8" male	19 mm	33,0 mm	-	508 psi
243.52	Nipple G 1/2" male	24 mm	35,0 mm	-	508 psi

Nipple for couplings NW 7,2-NW 7,8, blank brass, outer thread, with sealing thread coating

Type no.	Connector	SW			
243.50-EB	Nipple G 1/4" male	17 mm	32,0 mm	-	174 psi
243.51-EB	Nipple G 3/8" male	19 mm	33,0 mm	-	174 psi
243.52-EB	Nipple G 1/2" male	-	35,0 mm	-	174 psi

Nipple for couplings NW 7,2-NW 7,8, blank brass, inner thread

Type no.	Connector	SW			
243.54	Nipple G 1/8" female	14 mm	31,0 mm	-	508 psi
243.55	Nipple G 1/4" female	17 mm	32,0 mm	-	508 psi
243.56	Nipple G 3/8" female	19 mm	32,0 mm	-	508 psi

Nipple for couplings NW 7,2-NW 7,8, blank brass, suitable for hoses

Type no.	Connector	SW			
243.216	Nipple for Hose 6x4	12 mm	41,0 mm	12,0 mm	508 psi
243.217	Nipple for Hose 8x6	14 mm	43,0 mm	12,0 mm	508 psi
243.218	Nipple for Hose 10x8	16 mm	38,0 mm	12,0 mm	508 psi
243.219	Nipple for Hose 12x9	17 mm	42,0 mm	12,0 mm	508 psi

Nipple for couplings NW 7,2-NW 7,8, blank brass, suitable for hoses with screwcap and anti-kink

Type no.	Connector	SW			
243.355	For 6x4 Hose with Swivel Nut and Anti-Kink Spring	-	114,0 mm	12,0 mm	508 psi
243.356	For 8x6 Hose with Swivel Nut and Anti-Kink Spring	-	121,0 mm	12,0 mm	508 psi
243.357	For 10x8 Hose with Swivel Nut and Anti-Kink Spring	17 mm	129,0 mm	-	508 psi
243.358	For 12x9 Hose with Swivel Nut and Anti-Kink Spring	17 mm	141,0 mm	-	508 psi

Insertion angle for couplings NW 7,2-NW 7,8, blank brass

Type no.	Connector	Width	Height	
243.760	Insert Angle for Hose 6x4	45,0 mm	26,0 mm	508 psi
243.761	Insert Angle for Hose 8x6	48,0 mm	27,0 mm	508 psi
243.762	Insert Angle for Hose 10x8	36,0 mm	33,0 mm	508 psi

Breathing Air Couplings

Article no.	Description	Material
100385	M part AK 2	Nickel-plated brass
100386	V part AK 2	Nickel-plated brass
102096	M part AK 2	Nickel-plated brass
102098	M part AK 2	Nickel-plated brass



102096 & 102098



102098



100385 & 100386

ULTRA-HIGH PRESSURE TECHNOLOGY

- Thermoplastic High-Pressure Hoses
- Rubber High-Pressure Hoses
- Adapters & Connectors
- Waterjet Protection
- Accessories

INDUSTRIAL AND SUCTION HOSES

- Suction and Pressure Hoses
- Tank Truck and Chemical Hoses
- Flat Hoses
 - Air Conveyor System Hoses
 - Fittings

SERVICE & MAINTENANCE

SEWER CLEANING

- Sewer Cleaning Hoses
- Cassette Boom Hoses
- Nozzles
- Sewer Cleaning Accessories

SEWER REHABILITATION

- Resins
- Glass Fiber Material
- Inversion lining systems and equipments
- Rehabilitation Packer
- Pipe and Test Sealing Cushions
- Accessories

PERSONAL PROTECTIVE EQUIPMENT (PPA)

- Protective Clothing
- Workplace Safety
- Barriers/Construction Site Safety
- Respiratory Protection
- Gas Detection/Self-Rescue
- Entry Safety Devices
- Lamps

