



techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics
& Vacuum

Industrial

Compressed Air
& Ring Main

Process &
Instrumentation

Hydraulics

Hydraulic Hose & Inserts

HYDRAULIC HOSE RANGE



EN853-1, DIN20022 (Exceeds SAE 100R1AT)

Application:
Medium pressure hydraulic applications

Specification:
DIN 20022, EN853 – 1 Exceeds 100 R1AT

Construction:
Inner tube: oil resistant synthetic rubber (NBR)
Reinforcement: 1 single steel wire braid
Outer cover: oil and weather resistant synthetic rubber

Recommended Fluids:
Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, air and water

NB: For air above 17 bar, the hose cover must be pin-pricked

Available per 1 metre

Smooth cover available on request

Working Temperature:
-40°C to +100°C



1 Wire, 100 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R1AT-03-100	3/16"	12.5	250	90	1000
100R1AT-04-100	1/4"	14.1	225	100	900
100R1AT-05-100	5/16"	15.7	215	115	850
100R1AT-06-100	3/8"	18.1	180	130	720
100R1AT-08-100	1/2"	21.4	160	180	640
100R1AT-10-100	5/8"	24.5	130	200	520
100R1AT-12-100	3/4"	28.5	105	240	420
100R1AT-16-100	1"	36.6	88	300	350
Tech Sheet 5001					

1 Wire, 40 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R1AT-20-40	1.1/4"	44.8	63	420	250
100R1AT-24-40	1.1/2"	52	50	500	200
100R1AT-32-40	2"	65.9	40	630	160
Tech Sheet 5001					

Technical Data

Hydraulic Hose, EN853, DIN20022, SAE100R1AT

Part Number	Size		Working Pressure		Burst Pressure		Bend Radius		Swaging Dimensions		Tail ID Top Tolerance	Tail ID Bottom Tolerance	Swaged No Go	Swaged Go
	mm	inch	bar	psi	bar	psi	Inch	mm	FT3 Type Ferrule	Swage Dia. in mm	mm	mm	mm	mm
100R1AT-03	4.7	3/16	250	3625	1000	14503	3.54	90	FT3-12-03CF	15	2.89	3.05	2.80	2.93
100R1AT-04	6.3	1/4	225	3260	900	13050	3.94	100	FT3-12-04CF	17.8	3.86	3.67	3.67	3.45
100R1AT-05	8	5/16	215	3120	850	12325	4.53	115	FT3-12-05CF	20.5	5.29	5.11	5.11	4.91
100R1AT-06	10	3/8	180	2610	720	10440	5.12	130	FT3-12-06CF	21.6	6.78	6.42	6.42	6.13
100R1AT-08	12.5	1/2	160	2320	640	9280	7.09	180	FT3-12-08CF	24	9.21	8.86	8.86	8.4
100R1AT-10	16	5/8	130	1885	520	7540	7.87	200	FT3-12-10CF	28.7	12.09	11.59	11.59	10.99
100R1AT-12	19	3/4	105	1520	420	6090	9.45	240	FT3-12-12CF	31.3	14.46	13.91	13.91	13.31
100R1AT-16	25	1	88	1280	350	5075	11.81	300	FT3-12-16CF	41	18.89	18.29	18.29	17.68
100R1AT-20	31.5	1.1/4	63	910	250	3625	16.54	420	FT3-12-20CF	48.5	25.4	24.69	24.69	23.8
100R1AT-24	38	1.1/2	50	725	200	2900	19.69	500	FT3-12-24CF	58.5	31.4	30.6	30.6	29.8
100R1AT-32	51	2	40	580	160	2320	24.8	630	FT3-12-32CF	70	41.4	40.6	40.6	30.8

EN853-2, DIN20022 (Exceeds SAE 100R2AT)

Application:
Medium pressure hydraulic applications

Specification:
DIN 20022, EN853-2, exceeds SAE100 R2AT

Construction:
Inner tube: oil resistant synthetic rubber (NBR)
Reinforcement: 2 single steel wire braids
Outer cover: oil and weather resistant synthetic rubber

Recommended Fluids:
Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, air and water

NB: For air above 17 bar, the hose cover must be pin-pricked

Available per 1 metre

Smooth cover available on request

 **Working Temperature:**
-40°C to +100°C



2 Wire, 100 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R2AT-03-100	3/16"	14.1	415	90	1650
100R2AT-04-100	1/4"	15.7	400	100	1600
100R2AT-05-100	5/16"	17.3	350	115	1400
100R2AT-06-100	3/8"	19.7	330	130	1320
100R2AT-08-100	1/2"	23.0	275	180	1100
100R2AT-10-100	5/8"	26.2	250	200	1000
100R2AT-12-100	3/4"	30.1	215	240	850
100R2AT-16-100	1"	38.9	165	300	650
Tech Sheet 5002					

2 Wire, 40 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R2AT-20-40	1.1/4"	49.6	125	420	500
100R2AT-24-40	1.1/2"	56.0	90	500	360
100R2AT-32-40	2"	68.6	80	630	320
Tech Sheet 5002					

Technical Data

Hydraulic Hose, EN853, DIN20022, SAE100R2AT

Part Number	Size		Working Pressure		Burst Pressure		Bend Radius		Swaging Dimensions		Tail ID Top Tolerance	Tail ID Bottom Tolerance	Swaged No Go	Swaged Go
	mm	inch	bar	psi	bar	psi	Inch	mm	FT3 Type Ferrule	Swage Dia. in mm	mm	mm	mm	mm
100R2AT-03	4.7	3/16	415	6019	1650	23931	3.54	90	FT3-12-03CF	16.4	2.89	3.05	2.80	2.93
100R2AT-04	6.3	1/4	400	5800	1600	23200	3.94	100	FT3-12-04CF	18.1	3.86	3.67	3.67	3.45
100R2AT-05	8	5/16	350	5075	1400	20300	4.53	115	FT3-12-05CF	19.7	5.29	5.11	5.11	4.91
100R2AT-06	10	3/8	330	4785	1320	19140	5.12	130	FT3-12-06CF	22.1	6.78	6.42	6.42	6.13
100R2AT-08	12.5	1/2	275	3990	1100	15950	7.09	180	FT3-12-08CF	24.6	9.21	8.86	8.86	8.4
100R2AT-10	16	5/8	250	3625	1000	14500	7.87	200	FT3-12-10CF	28.2	12.09	11.59	11.59	10.99
100R2AT-12	19	3/4	215	3120	850	12325	9.45	240	FT3-12-12CF	32.5	14.46	13.91	13.91	13.31
100R2AT-16	25	1	165	2390	650	9425	11.81	300	FT3-12-16CF	40.3	18.89	18.29	18.29	17.68
100R2AT-20	31.5	1.1/4	125	1810	500	7250	16.54	420	FT3-12-20CF	51.5	25.4	24.69	24.69	23.8
100R2AT-24	38	1.1/2	90	1305	360	5220	19.69	500	FT3-12-24CF	59.7	31.4	30.6	30.6	29.8
100R2AT-32	51	2	80	1160	320	4640	24.8	630	FT3-12-32CF	73.4	41.4	40.6	40.6	30.8

HYDRAULIC HOSE RANGE



Compact Hydraulic Hose, EN857-1SC

1 Wire Compact Hose

Application:

Medium pressure hydraulic applications with space constraints and greater flexibility is required

Specification:

EN857 – 1SC

Construction:

Inner tube: oil resistant synthetic rubber (NBR)

Reinforcement: 1 single steel wire braid

Outer cover: oil and weather resistant synthetic rubber

Recommended Fluids:

Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, air and water

NB: For air above 17 bar, the hose cover must be pin-pricked

Available per 1 metre

Smooth cover available on request

Working Temperature:
-40°C to +100°C



1 Wire, 100 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
1SC-04-100	1/4"	13.5	225	75	900
1SC-06-100	3/8"	16.9	180	90	720
1SC-08-100	1/2"	20.4	160	130	640
1SC-12-100	3/4"	26.7	105	180	420
Tech Sheet 5003					

Technical Data

1 Wire Compact Hose, EN857- 1SC

Part Number	Size		Working Pressure		Burst Pressure		Bend Radius		Swaging Dimensions		Tail ID Top Tolerance	Tail ID Bottom Tolerance	Swaged No Go	Swaged Go
	mm	inch	bar	psi	bar	psi	Inch	mm	FR79 Type Ferrule	Swage Dia. in mm	mm	mm	mm	mm
1SC-04	6.3	1/4	225	3260	900	13050	2.95	75	FR79-04	14.7	3.86	3.67	3.67	3.45
1SC-06	10	3/8	180	2610	720	10440	3.54	90	FR79-06	19	6.78	6.42	6.42	6.13
1SC-08	12.5	1/2	160	2320	640	9280	5.12	130	FR79-08	23.3	9.21	8.86	8.86	8.40
1SC-12	19	3/4	105	1520	420	6090	7.09	180	FR79-12	30.8	14.46	13.91	13.91	13.31



For full range of Danfoss Waltech couplings see pages **115-137**

Compact Hydraulic Hose, EN857-2SC

2 Wire Compact Hose

Application:

Medium pressure hydraulic applications with space constraints and greater flexibility is required

Specification:

EN857 – 2SC

Construction:

Inner tube: oil resistant synthetic rubber (NBR)

Reinforcement: 2 single steel wire braids

Outer cover: oil and weather resistant synthetic rubber

Recommended Fluids:

Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, air and water

NB: For air above 17 bar, the hose cover must be pin-pricked

Available per 1 metre

Smooth cover available on request

° Working Temperature:
-40°C to +100°C



2 Wire, 100 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
2SC-04-100	1/4"	14.2	400	75	1600
2SC-06-100	3/8"	18.3	330	90	1320
2SC-08-100	1/2"	21.5	275	130	1100
2SC-12-100	3/4"	28.6	215	200	860
2SC-16-100	1"	36.6	165	250	660

Tech Sheet 5004

Technical Data

2 Wire Compact Hose, EN857- 2SC

Part Number	Size		Working Pressure		Burst Pressure		Bend Radius		Swaging Dimensions		Tail ID Top Tolerance	Tail ID Bottom Tolerance	Swaged No Go	Swaged Go
	mm	inch	bar	psi	bar	psi	Inch	mm	F2SC Type Ferrule	Swage Dia. in mm	mm	mm	mm	mm
2SC-04	6.3	1/4	400	5800	1600	23200	2.95	75	F2SC-04	17.6	3.86	3.67	3.67	3.45
2SC-06	10	3/8	330	4785	1320	19140	3.54	90	F2SC-06	20.5	5.29	5.11	5.11	4.91
2SC-08	12.5	1/2	275	3990	1100	15950	5.12	130	F2SC-08	24.3	6.78	6.42	6.42	6.13
2SC-12	19	3/4	214	3120	860	12470	7.86	200	F2SC-12	31.5	9.20	8.86	8.86	8.40
2SC-16	25	1	165	2390	660	9570	9.84	250	F2SC-16	39	18.89	18.29	18.29	17.68



For Fire Sleeves
see pages 44-45



HYDRAULIC HOSE RANGE



MSHA Approved, EN853, DIN20022 (Exceeds SAE 100R2AT)

2 Wire Compact Hose

Application:

Medium pressure hydraulic applications were MSHA approval and certification is required

Specification:

MSHA Approved, DIN 20022, EN853 – 2SN, exceeds SAE100 R2AT

Construction:

Inner tube: oil resistant synthetic rubber (NBR)

Reinforcement: 2 single steel wire braids

Outer cover: MSHA approved oil and weather resistant synthetic rubber

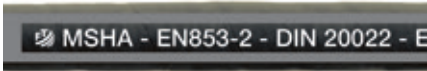
Recommended Fluids:

Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, air and water

NB: For air above 17 bar, the hose cover must be pin-pricked

Available per 1 metre
Smooth cover available on request

Working Temperature:
-40°C to +100°C



2 Wire, 100 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
MSHAR2AT-04-100	1/4"	15.7	400	100	1600
MSHAR2AT-06-100	3/8"	19.7	330	125	1320
MSHAR2AT-08-100	1/2"	23.1	275	180	1100
Tech Sheet 5015					

2 Wire, 50 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
MSHAR2AT-12-50	3/4"	30.2	215	240	850
MSHAR2AT-16-50	1"	38.9	165	300	650
Tech Sheet 5015					

Technical Data

Hydraulic Hose, MSHA R2AT

Part Number	Size		Working Pressure		Burst Pressure		Bend Radius		Swaging Dimensions		Tail ID Top Tolerance	Tail ID Bottom Tolerance	Swaged No Go	Swaged Go
	mm	inch	bar	psi	bar	psi	Inch	mm	FT3 Type Ferrule	Swage Dia. in mm	mm	mm	mm	mm
MSHAR2AT-04	6.3	1/4	400	5800	1600	23200	3.94	10	FT3-12-04CF	19.1	3.86	3.67	3.67	3.45
MSHAR2AT-06	10	3/8	330	4785	1320	19140	5.12	130	FT3-12-06CF	22	6.78	6.42	6.42	6.13
MSHAR2AT-08	12.5	1/2	275	3990	1100	15950	7.09	180	FT3-12-08CF	24.5	9.21	8.86	8.86	8.40
MSHAR2AT-12	19	3/4	215	3120	850	12325	9.45	240	FT3-12-12CF	32	14.46	13.91	13.91	13.31
MSHAR2AT-16	25	1	165	2390	650	9425	11.81	300	FT3-12-16CF	41	18.89	18.29	18.29	17.68
MSHAR2AT-20	31.5	1.1/4	125	1810	500	7250	16.54	420	FT3-12-20CF	51.5	25.40	24.69	24.69	23.8
MSHAR2AT-24	38	1.1/2	90	1305	360	5220	19.69	500	FT3-12-24CF	59.7	31.40	30.60	30.60	29.80
MSHAR2AT-32	51	2	80	1160	320	4640	24.80	630	FT3-12-32CF	73.4	41.40	40.60	40.60	30.80

Multi Spiral, EN856-4SP

Standard hydraulic adaptors do not adhere to the working pressure of multi spiral hose.
Please use KR500 Hydraulic Adaptors for high pressure and multi spiral applications.

Application:
High pressure hydraulic applications

Specification:
EN856-4SP

Construction:
Inner tube: oil resistant synthetic rubber (NBR)
Reinforcement: 4 high tensile steel spirals
Outer cover: oil and weather resistant synthetic rubber

NB: External skive required

Recommended Fluids:
Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, air and water

Available per 1 metre

Smooth cover available on request

 **Working Temperature:**
-40°C to +100°C



40 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
4SP-04-40	1/4"	18.7	450	150	1800
4SP-06-40	3/8"	22.2	445	180	1780
4SP-08-40	1/2"	25.4	415	230	1660
4SP-10-40	5/8"	29.0	350	250	1400
4SP-12-40	3/4"	33.0	350	300	1480
4SP-16-40	1"	40.9	280	340	1120
4SP-20-40	1.1/4"	52.4	210	460	840
4SP-24-40	1.1/2"	58.8	185	560	740
4SP-32-40	2"	71.4	165	660	660

Tech Sheet 5006

Technical Data

Multi Spiral Hydraulic Hose, EN856-4SP

Part Number	Size		Working Pressure		Burst Pressure		Bend Radius		Swaging Dimensions		Tail ID Top Tolerance	Tail ID Bottom Tolerance	Skive Length JMF56 in mm	Skive Length JMF57 in mm	Swaged No Go	Swaged Go
	mm	inch	bar	psi	bar	psi	Inch	mm	JMF57 Type Ferrule	Swage Dia. in mm	mm	mm	External	External	mm	mm
4SP-04	6.3	1/4	450	6525	1800	26100	5.91	150								
4SP-06	10	3/8	445	6450	1780	25810	7.09	180	JMF57-06CF	23	6.78	6.42	27	—	6.42	6.13
4SP-08	12.5	1/2	415	6020	1660	24070	9.06	230	JMF57-08CF	26.5	9.21	8.86	28	32	8.86	8.40
4SP-10	16	5/8	350	5075	1400	20300	9.84	250	JMF57-10CF	29.7	12.09	11.59	33	—	11.59	10.99
4SP-12	19	3/4	350	5075	1480	21460	11.81	300	JMF57-12CF	34	14.46	13.91	32	40	13.91	13.31
4SP-16	25	1	280	4060	1120	16240	13.39	340	JMF57-16CF	43	18.89	18.29	42	48	18.29	17.68
4SP-20	31.5	1.1/4	210	3045	840	12180	18.11	460	JMF57-20CF	53	25.40	24.69	48	55	24.69	23.80
4SP-24	38	1.1/2	185	2680	740	10730	22.05	560	JMF57-24CF	60.5	31.40	30.60	60	68	30.60	29.80
4SP-32	51	2	165	2390	660	9570	25.98	660	JMF57-32CF	74.5	41.40	40.60	61	73	40.60	30.80

HYDRAULIC HOSE RANGE



Multi Spiral, EN856-4SH

Application:
High pressure hydraulic applications,
for use with interlock fittings

Specification:
EN856-4SH

Construction:
Inner tube: oil resistant synthetic rubber (NBR)
Reinforcement: 4 high tensile steel spirals
Outer cover: oil and weather resistant
synthetic rubber

NB: External and internal skive required

Recommended Fluids:
Hose suitable for petroleum
based hydraulic oil and
water-glycol based fluids,
air and water

Working Temperature:
-40°C to +100°C



40 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
4SH-12-40	3/4"	33.0	420	280	1680
4SH-16-40	1"	39.9	380	340	1520

Tech Sheet 5007

Technical Data

Multi Spiral Hydraulic Hose, EN856-4SH

Part Number	Size		Working Pressure		Burst Pressure		Bend Radius		Tail ID Top Tolerance	Tail ID Bottom Tolerance	Swaging Dimensions		Skive Length in mm		Swaged No Go	Swaged Go
	mm	inch	bar	psi	bar	psi	Inch	mm	mm	mm	JMF4SH Type Ferrule	Swage Dia. in mm	Internal	External	mm	mm
4SH-12	19	3/4	420	6090	1680	24360	11.02	280	14.46	13.91	JMF4SH-12CF	35.1	16	43	13.91	13.31
4SH-16	25	1	380	5510	1520	22040	13.39	340	18.89	18.29	JMF4SH-16CF	43.4	18	59	18.29	17.68

Other sizes available on request.
A minimum order quantity will apply. Lead times will be given at point of enquiry



For full range of Hydraulic QRC's
see pages 289-320

Thermoplastic, SAE 100R7

100R7 Hose

Application:
Thermoplastic hose with perforated cover for use on medium pressure hydraulic applications.

Specification: SAE100 R7

Construction:
Inner tube: thermoplastic elastomer
Reinforcement: 2 single textile yarn braids
Outer cover: high abrasion resistant polyurethane

Recommended Fluids:
Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, lubricating oils, solvent and gas transfer

Available per 1 metre

 **Working Temperature:**
-40°C to +100°C.



75 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R7-03-75	3/16"	10.8	210	75	840
100R7-04-75	1/4"	13.0	210	100	840
100R7-05-75	5/16"	15.1	175	115	700
100R7-06-75	3/8"	17.0	155	125	620
100R7-08-75	1/2"	20.7	140	175	560

Tech Sheet 5011

25 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R7-03-25	3/16"	10.8	210	75	840
100R7-04-25	1/4"	13.0	210	100	840
100R7-05-25	5/16"	15.1	175	115	700
100R7-06-25	3/8"	17.0	155	125	620
100R7-08-25	1/2"	20.7	140	175	560

Tech Sheet 5011

Twin Line Thermoplastic, SAE 100R7

100R7 Twin Hose

Application:
Thermoplastic hose with perforated cover for use on medium pressure hydraulic applications.

Specification: SAE100 R7

Construction:
Inner tube: thermoplastic elastomer
Reinforcement: 2 single textile yarn braids
Outer cover: high abrasion resistant polyurethane

Recommended Fluids:
Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, lubricating oils, solvent and gas transfer

Available per 1 metre

 **Working Temperature:**
-40°C to +100°C.



75 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R7-04-75-TWIN	1/4"	13.0	210	100	840
100R7-05-75-TWIN	5/16"	15.1	175	115	700
100R7-06-75-TWIN	3/8"	17.0	155	125	620
100R7-08-75-TWIN	1/2"	20.7	140	175	560

Tech Sheet 5011

25 Metre Coils

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R7-04-25-TWIN	1/4"	13.0	210	100	840
100R7-05-25-TWIN	5/16"	15.1	175	115	700
100R7-06-25-TWIN	3/8"	17.0	155	125	620
100R7-08-25-TWIN	1/2"	20.7	140	175	560

Tech Sheet 5011

Technical Data

Thermoplastic, SAE 100R7

Part Number	Size			OD	Working Pressure			Burst Pressure			Bend Radius	Weight	Swaging Dimensions	
	mm	inch	SAE		Mpa	psi	bar	Mpa	psi	bar			FR79 Type Fer-rules	Swage Dia. in mm
100R7-03	5	3/16"	-3	10.8	20.7	3000	210	82.7	12000	840	75	0.046	100R7-03	12.25
100R7-04	6.3	1/4"	-4	13	20.7	3000	210	82.7	12000	840	100	0.057	100R7-04	14.7
100R7-05	8	5/16"	-5	15.1	17.2	2500	175	68.9	10000	700	115	0.069	100R7-05	17
100R7-06	10	3/8"	-6	17	15.5	2250	155	62.1	9000	620	125	0.095	100R7-06	19.4
100R7-08	12.5	1/2"	-8	20.7	13.8	2000	140	55.2	8000	560	175	0.141	100R7-08	23.8

HYDRAULIC HOSE RANGE



Oil Suction & Delivery Hose

Application:
General low pressure suction and delivery applications

Construction:
Inner tube: oil resistant synthetic rubber (NBR)

Reinforcement: woven textile yarn braids with a suitable spiral of steel to prevent collapse under vacuum

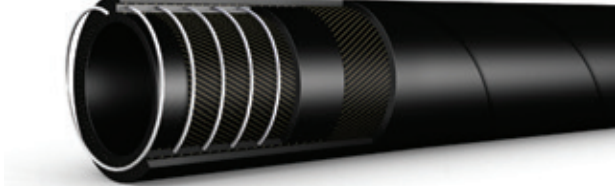
Outer cover: oil and weather resistant synthetic rubber

Recommended Fluids:
Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, lubricating oils, air and water

Available per 1 metre

Working Temperature:
-40°C to +100°C

Maximum Working Pressure:
10 bar



100R4 - 3/4" OIL SUCTION & DE

10 Metre Coils

0303	ID mm	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R4-19-10	19	31	10	125	30
100R4-25-10	25	38	10	150	30
100R4-32-10	32	46	10	200	30
100R4-38-10	38	52	10	255	30
100R4-51-10	51	64	10	300	30
100R4-64-10	64	81	10	355	30
100R4-76-10	76	93	10	460	30
100R4-89-10	89	109	10	530	30
100R4-102-10	102	122	10	610	30
100R4-115-10	115	135	10	625	30
100R4-127-10	127	148	10	750	30
100R4-152-10	152	180	10	960	30

Tech Sheet 5012

20 Metre Coils

0303	ID mm	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R4-19-20	19	31	10	125	30
100R4-25-20	25	38	10	150	30
100R4-32-20	32	46	10	200	30
100R4-38-20	38	52	10	255	30
100R4-51-20	51	64	10	300	30
100R4-64-20	64	81	10	355	30
100R4-76-20	76	93	10	460	30
100R4-89-20	89	109	10	530	30
100R4-102-20	102	122	10	610	30
100R4-127-20	127	148	10	750	30
100R4-152-20	152	180	10	960	30

Tech Sheet 5012

40 Metre Coils

0303	ID mm	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R4-19-40	19	31	10	125	30
100R4-25-40	25	38	10	150	30
100R4-32-40	32	46	10	200	30
100R4-38-40	38	52	10	255	30
100R4-51-40	51	64	10	300	30

Tech Sheet 5012

Technical Data

Oil Suction & Delivery Hose, 100R4

Part Number	Size	ID	OD	Working Pressure		Burst Pressure		Vacuum Pres-sure	Bend Radius	Weight
	Inch	mm	mm	bar	psi	bar	psi	bar	mm	gr/m
100R4-19	3/4"	19	30	10	145	30	450	-0.92	90	600
100R4-25	1"	25.4	35	10	145	30	450	-0.92	110	650
100R4-32	1.1/4"	32	42	10	145	30	450	-0.92	140	835
100R4-38	1.1/2"	38	48	10	145	30	450	-0.92	170	1050
100R4-51	2"	50.8	61	10	145	30	450	-0.92	250	1495
100R4-64	2.1/2"	63.5	74	10	145	30	450	-0.92	310	2010
100R4-76	3"	76.2	87	10	145	30	450	-0.92	380	2337
100R4-89	3.1/2"	90	102	10	145	30	450	-0.92	450	2940
100R4-102	4"	101.6	115	10	145	30	450	-0.92	510	3440
100R4-127	5"	127	145	10	145	30	450	-0.92	650	6195
100R4-152	6"	152	170	10	145	30	450	-0.92	752	7050

1/2" EN853-2 Breaker Hoses

Comprising of 2 x 6 metre clamped together lengths of high quality 1/2" EN853-2 hydraulic hose, complete with 1/2" BSPP male end fittings.



1/2" BSPP Male x Male,
6 Metre

0400
BH08-08M08M-06MT
Tech Sheet 20002

Comprising of 2 x 9 metre clamped together lengths of high quality 1/2" EN853-2 hydraulic hose, complete with 1/2" BSPP male end fittings.



1/2" BSPP Male x Male,
9 Metre

0400
BH08-08M08M-09MT
Tech Sheet 20002

Comprising of 2 x 6 metre clamped together lengths of high quality 1/2" EN853-2 hydraulic hose, complete with 2 sets of flat face QRCs.



Flat Face Quick Release Couplings,
6 Metre

0400
BH08-08Q08P-06MT
Tech Sheet 20002

Other lengths available on request

Comprising of 2 x 9 metre clamped together lengths of high quality 1/2" EN853-2 hydraulic hose, complete with 2 sets of flat face QRCs.



Flat Face Quick Release Couplings,
9 Metre

0400
BH08-08Q08P-09MT
Tech Sheet 20002

Leader hoses comprising of 2 x 0.5 metre clamped together lengths of high quality 1/2" EN853-2 hydraulic hose, complete with 1 set of flat face QRCs one end and 1/2" BSPP males the other.



Leader Hose, Flat Face QRC x 1/2" BSPP Male, 0.5 Metre

0400
BH08-08Q08M-.5MT
Tech Sheet 20002

HYDRAULIC HOSE FERRULES



Ferrules



R1AT & R2AT Dual, Non-skive

0309	To Suit Hose ID
FT3-12-03CF	3/16"
FT3-12-04CF	1/4"
FT3-12-05CF	5/16"
FT3-12-06CF	3/8"
FT3-12-08CF	1/2"
FT3-12-10CF	5/8"
FT3-12-12CF	3/4"
FT3-12-16CF	1"
FT3-12-20CF	1.1/4"
FT3-12-24CF	1.1/2"
FT3-12-32CF	2"

Tech Sheet 3152



2SC

0309	To Suit Hose ID
F2SC-04	1/4"
F2SC-06	3/8"
F2SC-08	1/2"
F2SC-12	3/4"
F2SC-16	1"

Tech Sheet 3152



4SP Multi Spiral

0309	To Suit Hose ID
JMF57-06CF	3/8"
JMF57-08CF	1/2"
JMF57-10CF	5/8"
JMF57-12CF	3/4"
JMF57-16CF	1"
JMF57-20CF	1.1/4"
JMF57-24CF	1.1/2"
JMF57-32CF	2"

Tech Sheet 3152



R7, R8 & 1SC

0309	To Suit Hose ID
FR79-03	3/16"
FR79-04	1/4"
FR79-05	5/16"
FR79-06	3/8"
FR79-08	1/2"
FR79-12	3/4"

Tech Sheet 3152



R4

0309	To Suit Hose ID
R4F2-12	3/4"
R4F2-16	1"
R4F2-20	1.1/4"
R4F2-24	1.1/2"
R4F2-32	2"

Tech Sheet 3152



PTFE, Smooth & Convuluted Bore

0309	To Suit Hose ID
PTFEF-03	3/16"
PTFEF-04	1/4"
PTFEF-05	5/16"
PTFEF-06	3/8"
PTFEF-08	1/2"
PTFEF-10	5/8"
PTFEF-12	3/4"
PTFEF-16	1"

Tech Sheet 3152



4SH

0309	To Suit Hose ID
JMF4SH-12CF	3/4"
JMF4SH-16CF	1"

Tech Sheet 3152

Go/No Go Gauge

Hydraulic hose collapse mandrels are used to check if the ferrules have collapsed enough after swaging. By placing this mandrel inside the fittings orifice after swaging, if it is not possible to push all the way through, the ferrule has been swagged enough. If it is still possible to push the mandrel all the way through, the ferrule needs swaging more.



Collapse Mandrel

0499	To Suit Hose ID
HOSEMAND-14	1/4"
HOSEMAND-38	3/8"
HOSEMAND-12	1/2"
HOSEMAND-58	5/8"
HOSEMAND-34	3/4"
HOSEMAND-1	1"

For all swage guide settings
see Tech Sheets.

BSP

Hexavalent chromium free plating

Male,
60° Cone Inserts, BSPP



0309	Thread	To Suit Hose ID
BM0203CF	1/8"	3/16"
BM0204CF	1/8"	1/4"
BM0403CF	1/4"	3/16"
BM0404CF	1/4"	1/4"
BM0405CF	1/4"	5/16"
BM0406CF	1/4"	3/8"
BM0604CF	3/8"	1/4"
BM0605CF	3/8"	5/16"
BM0606CF	3/8"	3/8"
BM0608CF	3/8"	1/2"
BM0804CF	1/2"	1/4"
BM0806CF	1/2"	3/8"
BM0808CF	1/2"	1/2"
BM0810CF	1/2"	5/8"
BM1008CF	5/8"	1/2"
BM1010CF	5/8"	5/8"
BM1208CF	3/4"	1/2"
BM1210CF	3/4"	5/8"
BM1212CF	3/4"	3/4"
BM1612CF	1"	3/4"
BM1616CF	1"	1"
BM2016CF	1.1/4"	1"
BM2020CF	1.1/4"	1.1/4"
BM2420CF	1.1/2"	1.1/4"
BM2424CF	1.1/2"	1.1/2"
BM3232CF	2"	2"

Swivel Female,
60° Cone Inserts, BSPP



0309	Thread	To Suit Hose ID
BF0203CF	1/8"	3/16"
BF0204CF	1/8"	1/4"
BF0206CF	1/8"	3/8"
BF0403CF	1/4"	3/16"
BF0404CF	1/4"	1/4"
BF0405CF	1/4"	5/16"
BF0406CF	1/4"	3/8"
BF0604CF	3/8"	1/4"
BF0605CF	3/8"	5/16"
BF0606CF	3/8"	3/8"
BF0608CF	3/8"	1/2"
BF0804CF	1/2"	1/4"
BF0805CF	1/2"	5/16"
BF0806CF	1/2"	3/8"
BF0808CF	1/2"	1/2"
BF1008CF	5/8"	1/2"
BF1010CF	5/8"	5/8"
BF1208CF	3/4"	1/2"
BF1210CF	3/4"	5/8"
BF1212CF	3/4"	3/4"
BF1612CF	1"	3/4"
BF1616CF	1"	1"
BF2016CF	1.1/4"	1"
BF2020CF	1.1/4"	1.1/4"
BF2420CF	1.1/2"	1.1/4"
BF2424CF	1.1/2"	1.1/2"
BF3232CF	2"	2"

Female Swept 90°,
60° Cone Inserts, BSPP



0309	Thread	To Suit Hose ID
BF029003CF	1/8"	3/16"
BF029004CF	1/8"	1/4"
BF049003CF	1/4"	3/16"
BF049004CF	1/4"	1/4"
BF049005CF	1/4"	5/16"
BF049006CF	1/4"	3/8"
BF069004CF	3/8"	1/4"
BF069005CF	3/8"	5/16"
BF069006CF	3/8"	3/8"
BF069008CF	3/8"	1/2"
BF089006CF	1/2"	3/8"
BF089008CF	1/2"	1/2"
BF109008CF	5/8"	1/2"
BF109010CF	5/8"	5/8"
BF129008CF	3/4"	1/2"
BF129010CF	3/4"	5/8"
BF129012CF	3/4"	3/4"
BF169012CF	1"	3/4"
BF169016CF	1"	1"
BF209016CF	1.1/4"	1"
BF209020CF	1.1/4"	1.1/4"
BF249020CF	1.1/2"	1.1/4"
BF249024CF	1.1/2"	1.1/2"
BF329032CF	2"	2"

Female 45°,
60° Cone Inserts, BSPP



0309	Thread	To Suit Hose ID
BF024503CF	1/8"	3/16"
BF024504CF	1/8"	1/4"
BF044503CF	1/4"	3/16"
BF044504CF	1/4"	1/4"
BF044505CF	1/4"	5/16"
BF064504CF	3/8"	1/4"
BF064505CF	3/8"	5/16"
BF064506CF	3/8"	3/8"
BF064508CF	3/8"	1/2"
BF084506CF	1/2"	3/8"
BF084508CF	1/2"	1/2"
BF084510CF	1/2"	5/8"
BF104505CF	5/8"	5/16"
BF104508CF	5/8"	1/2"
BF104510CF	5/8"	5/8"
BF124508CF	3/4"	1/2"
BF124510CF	3/4"	5/8"
BF124512CF	3/4"	3/4"
BF164516CF	1"	1"
BF204520CF	1.1/4"	1.1/4"
BF244524CF	1.1/2"	1.1/2"
BF324532CF	2"	2"



Female 90° Compact,
60° Cone Inserts, BSPP

0309	Thread	To Suit Hose ID
BF0490C04CF	1/4"	1/4"
BF0690C06CF	3/8"	3/8"
BF0890C08CF	1/2"	1/2"
BF1290C12CF	3/4"	3/4"
BF1690C16CF	1"	1"

HYDRAULIC HOSE CONNECTORS



BSP

Hexavalent chromium free plating

Flat Faced, Female Inserts,
BSPP

0309	Thread	To Suit Hose ID
BFF0404CF	1/4"	1/4"
BFF0406CF	1/4"	3/8"
BFF0604CF	3/8"	1/4"
BFF0605CF	3/8"	5/16"
BFF0606CF	3/8"	3/8"
BFF0608CF	3/8"	1/2"
BFF0806CF	1/2"	3/8"
BFF0808CF	1/2"	1/2"
BFF1008CF	5/8"	1/2"
BFF1010CF	5/8"	5/8"
BFF1208CF	3/4"	1/2"
BFF1210CF	3/4"	5/8"
BFF1212CF	3/4"	3/4"
BFF1612CF	1"	3/4"
BFF1616CF	1"	1"
BFF2020CF	1.1/4"	1.1/4"
BFF2424CF	1.1/2"	1.1/2"
BFF3232CF	2"	2"

Flat Faced, Female Swept 45° Elbow,
BSPP

0309	Thread	To Suit Hose ID
BFF044504CF	1/4"	1/4"
BFF064506CF	3/8"	3/8"
BFF084508CF	1/2"	1/2"
BFF124512CF	3/4"	3/4"
BFF164516CF	1"	1"

Flat Faced, Female Swept
90° Elbow, BSPP

0309	Thread	To Suit Hose ID
BFF049004CF	1/4"	1/4"
BFF069006CF	3/8"	3/8"
BFF089008CF	1/2"	1/2"
BFF129012CF	3/4"	3/4"
BFF169016CF	1"	1"

Female O-Ring Face,
60° Cone Inserts, BSPP

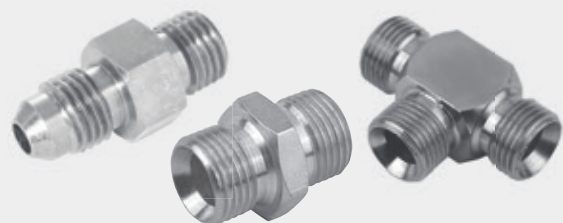
0309	Thread	To Suit Hose ID
BF0404CF-OR	1/4"	1/4"
BF0604CF-OR	3/8"	1/4"
BF0606CF-OR	3/8"	3/8"
BF0806CF-OR	1/2"	3/8"
BF0808CF-OR	1/2"	1/2"
BF1008CF-OR	5/8"	1/2"
BF1010CF-OR	5/8"	5/8"
BF1212CF-OR	3/4"	3/4"
BF1616CF-OR	1"	1"

Taper Male Inserts,
BSPT

0309	Thread	To Suit Hose ID
BMT0203CF	1/8"	3/16"
BMT0204CF	1/8"	1/4"
BMT0403CF	1/4"	3/16"
BMT0404CF	1/4"	1/4"
BMT0405CF	1/4"	5/16"
BMT0406CF	1/4"	3/8"
BMT0604CF	3/8"	1/4"
BMT0605CF	3/8"	5/16"
BMT0606CF	3/8"	3/8"
BMT0608CF	3/8"	1/2"
BMT0806CF	1/2"	3/8"
BMT0808CF	1/2"	1/2"
BMT0810CF	1/2"	5/8"
BMT1010CF	5/8"	5/8"
BMT1208CF	3/4"	1/2"
BMT1210CF	3/4"	5/8"
BMT1212CF	3/4"	3/4"
BMT1612CF	1"	3/4"
BMT1616CF	1"	1"
BMT2016CF	1.1/4"	1"
BMT2020CF	1.1/4"	1.1/4"
BMT2420CF	1.1/2"	1.1/4"
BMT2424CF	1.1/2"	1.1/2"
BMT3224CF	2"	1.1/2"
BMT3232CF	2"	2"

BURNETT & HILLMAN
HYDRAULIC ADAPTOR UK MANUFACTURER

For Hydraulic Adaptors
see pages 52-81



JIC

Hexavalent chromium free plating



JIC 37° Male Inserts

Q309	Thread	To Suit Hose ID
JM0403CF	7/16"	3/16"
JM0404CF	7/16"	1/4"
JM0504CF	1/2"	1/4"
JM0505CF	1/2"	5/16"
JM0604CF	9/16"	1/4"
JM0605CF	9/16"	5/16"
JM0606CF	9/16"	3/8"
JM0608CF	9/16"	1/2"
JM0805CF	3/4"	5/16"
JM0806CF	3/4"	3/8"
JM0808CF	3/4"	1/2"
JM1006CF	7/8"	3/8"
JM1008CF	7/8"	1/2"
JM1010CF	7/8"	5/8"
JM1012CF	7/8"	3/4"
JM1208CF	3/4"	1/2"
JM1210CF	1.1/16"	5/8"
JM1212CF	1.1/16"	3/4"
JM1216CF	1.1/16"	1"
JM1412CF	1.3/16"	3/4"
JM1416CF	1.3/16"	1"
JM1612CF	1.5/16"	3/4"
JM1616CF	1.5/16"	1"
JM2016CF	1.5/8"	1"
JM2020CF	1.5/8"	1.1/4"
JM2420CF	1.7/8"	1.1/4"
JM2424CF	1.7/8"	1.1/2"
JM3232CF	2.1/2"	2"



JIC 37° Swivel Female Inserts

Q309	Thread	To Suit Hose ID
JF0403CF	7/16"	3/16"
JF0404CF	7/16"	1/4"
JF0406CF	7/16"	3/8"
JF0503CF	1/2"	3/16"
JF0504CF	1/2"	1/4"
JF0505CF	1/2"	5/16"
JF0506CF	1/2"	3/8"
JF0604CF	9/16"	1/4"
JF0605CF	9/16"	5/16"
JF0606CF	9/16"	3/8"
JF0805CF	3/4"	5/16"
JF0806CF	3/4"	3/8"
JF0808CF	3/4"	1/2"
JF1006CF	7/8"	3/8"
JF1008CF	7/8"	1/2"
JF1010CF	7/8"	5/8"
JF1012CF	7/8"	3/4"
JF1208CF	1.1/16"	1/2"
JF1210CF	1.1/16"	5/8"
JF1212CF	1.1/16"	3/4"
JF1216CF	1.1/16"	1"
JF1412CF	1.3/16"	3/4"
JF1416CF	1.3/16"	1"
JF1612CF	1.5/16"	3/4"
JF1616CF	1.5/16"	1"
JF2016CF	1.5/8"	1"
JF2020CF	1.5/8"	1.1/4"
JF2420CF	1.7/8"	1.1/4"
JF2424CF	1.7/8"	1.1/2"
JF3232CF	2.1/2"	2"



JIC 37° Female Swept Elbow Inserts

Q309	Thread	To Suit Hose ID
JF049003CF	7/16"	3/16"
JF049004CF	7/16"	1/4"
JF059003CF	1/2"	3/16"
JF059004CF	1/2"	1/4"
JF059005CF	1/2"	5/16"
JF059006CF	1/2"	3/8"
JF069004CF	9/16"	1/4"
JF069005CF	9/16"	5/16"
JF069006CF	9/16"	3/8"
JF089005CF	3/4"	5/16"
JF089006CF	3/4"	3/8"
JF089008CF	3/4"	1/2"
JF109006CF	7/8"	3/8"
JF109008CF	7/8"	1/2"
JF109010CF	7/8"	5/8"
JF109012CF	7/8"	3/4"
JF129008CF	1.1/16"	1/2"
JF129010CF	1.1/16"	5/8"
JF129012CF	1.1/16"	3/4"
JF129016CF	1.1/16"	1"
JF149012CF	1.3/16"	3/4"
JF149016CF	1.3/16"	1"
JF169012CF	1.5/16"	3/4"
JF169016CF	1.5/16"	1"
JF209016CF	1.5/8"	1"
JF209020CF	1.5/8"	1.1/4"
JF249020CF	1.7/8"	1.1/4"
JF249024CF	1.7/8"	1.1/2"
JF329032CF	2.1/2"	2"

JIC 37° Female Swept Elbow Inserts

Q309	Thread	To Suit Hose ID
JF044503CF	7/16"	3/16"
JF044504CF	7/16"	1/4"
JF054504CF	1/2"	1/4"
JF054505CF	1/2"	5/16"
JF054506CF	1/2"	3/8"
JF064504CF	9/16"	1/4"
JF064505CF	9/16"	5/16"
JF064506CF	9/16"	3/8"
JF084506CF	3/4"	3/8"
JF084508CF	3/4"	1/2"
JF104506CF	7/8"	3/8"
JF104508CF	7/8"	1/2"
JF104510CF	7/8"	5/8"



JIC 37° Female Compact 90° Elbow Inserts

Q309	Thread	To Suit Hose ID
JF0490K04CF	7/16"	1/4"
JF0690K04CF	9/16"	1/4"
JF0690K06CF	9/16"	3/8"
JF0890K06CF	3/4"	3/8"
JF0890K08CF	3/4"	1/2"
JF1090K08CF	7/8"	1/2"
JF1090K10CF	7/8"	5/8"
JF1290K12CF	1.1/16"	3/4"
JF1690K16CF	1.5/16"	1"



HYDRAULIC HOSE CONNECTORS



Metric Light Series

Hexavalent chromium free plating



**Metric Male 24° Cone Seat,
L Series, DIN 3853**

0309	Thread	To Suit Hose ID	Size
HMML03-M12CF	M12 x 1.5	3/16"	6L
HMML04-M12CF	M12 x 1.5	1/4"	6L
HMML04-M14CF	M14 x 1.5	1/4"	8L
HMML04-M16CF	M16 x 1.5	1/4"	10L
HMML04-M18CF	M18 x 1.5	1/4"	12L
HMML05-M14CF	M14 x 1.5	5/16"	8L
HMML05-M16CF	M16 x 1.5	5/16"	10L
HMML05-M18CF	M18 x 1.5	5/16"	12L
HMML05-M22CF	M22 x 1.5	5/16"	15L
HMML06-M16CF	M16 x 1.5	3/8"	10L
HMML06-M18CF	M18 x 1.5	3/8"	12L
HMML06-M22CF	M22 x 1.5	3/8"	15L
HMML08-M18CF	M18 x 1.5	1/2"	12L
HMML08-M22CF	M22 x 1.5	1/2"	15L
HMML08-M26CF	M26 x 1.5	1/2"	18L
HMML10-M22CF	M22 x 1.5	5/8"	15L
HMML10-M26CF	M26 x 1.5	5/8"	18L
HMML10-M30CF	M30 x 2	5/8"	22L
HMML12-M26CF	M26 x 1.5	3/4"	18L
HMML12-M30CF	M30 x 2	3/4"	22L
HMML16-M36CF	M36 x 2	1"	28L
HMML20-M45CF	M45 x 2	1.1/4"	35L
HMML24-M45CF	M45 x 2	1.1/2"	35L
HMML24-M52CF	M52 x 2	1.1/2"	42L



**Metric Female 24° Cone Seat,
L Series with O-Ring, DIN 3865**

0309	Thread	To Suit Hose ID	Size
HMFL03-M12CF	M12 x 1.5	3/16"	6L
HMFL04-M12CF	M12 x 1.5	1/4"	6L
HMFL04-M14CF	M14 x 1.5	1/4"	8L
HMFL04-M16CF	M16 x 1.5	1/4"	10L
HMFL04-M18CF	M18 x 1.5	1/4"	12L
HMFL06-M16CF	M16 x 1.5	3/8"	10L
HMFL05-M16CF	M16 x 1.5	5/16"	10L
HMFL06-M18CF	M18 x 1.5	3/8"	12L
HMFL06-M22CF	M22 x 1.5	3/8"	15L
HMFL08-M22CF	M22 x 1.5	1/2"	15L
HMFL08-M26CF	M26 x 1.5	1/2"	18L
HMFL10-M26CF	M26 x 1.5	5/8"	18L
HMFL10-M30CF	M30 x 1.5	5/8"	22L
HMFL12-M30CF	M30 x 2	3/4"	22L
HMFL12-M36CF	M36 x 2	3/4"	28L
HMFL16-M36CF	M36 x 2	1"	28L
HMFL20-M45CF	M45 x 2	1.1/4"	35L
HMFL24-M52CF	M52 x 2	1.1/2"	42L

**90° Metric Female 24° Cone Seat,
L Series with O-Ring, DIN 3853**



0309	Thread	To Suit Hose ID	Size
HMFL0390-M12CF	M12 x 1.5	3/16"	6L
HMFL0490-M12CF	M12 x 1.5	1/4"	6L
HMFL0490-M14CF	M14 x 1.5	1/4"	8L
HMFL0490-M16CF	M16 x 1.5	1/4"	10L
HMFL0490-M18CF	M18 x 1.5	1/4"	12L
HMFL0590-M18CF	M18 x 1.5	5/16"	12L
HMFL0690-M16CF	M16 x 1.5	3/8"	10L
HMFL0690-M18CF	M18 x 1.5	3/8"	12L
HMFL0890-M22CF	M22 x 1.5	1/2"	15L
HMFL0890-M26CF	M26 x 1.5	1/2"	18L
HMFL1090-M26CF	M26 x 1.5	5/8"	18L
HMFL1090-M30CF	M30 x 2	5/8"	22L
HMFL1290-M26CF	M26 x 1.5	3/4"	18L
HMFL1290-M30CF	M30 x 2	3/4"	22L
HMFL1690-M36CF	M36 x 2	1"	28L
HMFL2090-M45CF	M45 x 2	1.1/4"	35L
HMFL2490-M52CF	M52 x 2	1.1/2"	42L



**45° Metric Female 24° Cone Seat,
L Series with O-Ring, DIN 3865**

0309	Thread	To Suit Hose ID	Size
HMFL03-45-M12CF	M12 x 1.5	3/16"	6L
HMFL04-45-M12CF	M12 x 1.5	1/4"	6L
HMFL04-45-M14CF	M14 x 1.5	1/4"	8L
HMFL04-45-M16CF	M16 x 1.5	1/4"	10L
HMFL05-45-M16CF	M16 x 1.5	5/16"	10L
HMFL05-45-M18CF	M18 x 1.5	5/16"	12L
HMFL06-45-M16CF	M16 x 1.5	3/8"	10L
HMFL06-45-M18CF	M18 x 1.5	3/8"	12L
HMFL08-45-M22CF	M22 x 1.5	1/2"	15L
HMFL08-45-M26CF	M26 x 1.5	1/2"	18L
HMFL10-45-M26CF	M26 x 1.5	5/8"	18L
HMFL12-45-M30CF	M30 x 2	3/4"	22L
HMFL16-45-M36CF	M36 x 2	1"	28L
HMFL20-45-M45CF	M45 x 2	1.1/4"	35L
HMFL24-45-M52CF	M52 x 2	1.1/2"	42L

**Standpipe,
L Series**



0309	OD mm	To Suit Hose ID
HSSP04-06CF	6	1/4"
HSSP04-08CF	8	1/4"
HSSP06-10CF	10	3/8"
HSSP06-12CF	12	3/8"
HSSP06-15CF	15	3/8"
HSSP08-15CF	15	1/2"
HSSP08-18CF	18	1/2"
HSSP10-18CF	18	5/8"
HSSP10-22CF	22	5/8"
HSSP12-22CF	22	3/4"
HSSP16-28CF	28	1"
HSSP20-35CF	35	1.1/4"
HSSP24-42CF	42	1.1/2"



**45° Standpipe,
L Series**

0309	OD mm	To Suit Hose ID
HSP04-45-06CF	6	1/4"
HSP05-45-08CF	8	5/16"
HSP06-45-08CF	8	3/8"
HSP05-45-10CF	10	5/16"
HSP06-45-10CF	10	3/8"
HSP06-45-12CF	12	3/8"
HSP06-45-15CF	15	3/8"
HSP08-45-15CF	15	1/2"
HSP08-45-18CF	18	1/2"
HSP10-45-18CF	18	5/8"
HSP10-45-22CF	22	5/8"
HSP12-45-22CF	22	3/4"
HSP16-45-28CF	28	1"
HSP20-45-35CF	35	1.1/4"



**90° Standpipe,
L Series**

0309	OD mm	To Suit Hose ID
HSP04-90-06CF	6	1/4"
HSP04-90-08CF	8	1/4"
HSP06-90-10CF	10	3/8"
HSP06-90-12CF	12	3/8"
HSP08-90-15CF	15	1/2"
HSP08-90-18CF	18	1/2"
HSP10-90-18CF	18	5/8"
HSP12-90-22CF	22	3/4"
HSP16-90-28CF	28	1"
HSP20-90-35CF	35	1.1/4"

Metric Heavy Series

Hexavalent chromium free plating



**Metric Male 24° Cone Seat,
S Series, DIN 3865**

0309	Thread	To Suit Hose ID	Size
HMMS03-M16CF	M16 x 1.5	3/16"	8S
HMMS04-M14CF	M14 x 1.5	1/4"	6S
HMMS04-M16CF	M16 x 1.5	1/4"	8S
HMMS04-M18CF	M18 x 1.5	1/4"	10S
HMMS05-M18CF	M18 x 1.5	5/16"	10S
HMMS05-M20CF	M20 x 1.5	5/16"	12S
HMMS06-M18CF	M18 x 1.5	3/8"	10S
HMMS06-M20CF	M20 x 1.5	3/8"	12S
HMMS06-M22CF	M22 x 1.5	3/8"	14S
HMMS06-M24CF	M24 x 1.5	3/8"	16S
HMMS08-M24CF	M24 x 1.5	1/2"	16S
HMMS10-M30CF	M30 x 2	5/8"	20S
HMMS12-M30CF	M30 x 2	3/4"	20S
HMMS12-M36CF	M36 x 2	3/4"	25S
HMMS16-M36CF	M36 x 1.5	1"	25S
HMMS16-M42CF	M42 x 2	1"	30S
HMMS20-M42CF	M42 x 2	1.1/4"	30S
HMMS20-M52CF	M52 x 2	1.1/4"	38S
HMMS24-M52CF	M52 x 2	1.1/2"	38S



**Metric Female 24° Cone Seat,
S Series, DIN 3865**

0309	Thread	To Suit Hose ID	Size
HMFS03-M16CF	M16 x 1.5	3/16"	8S
HMFS04-M14CF	M14 x 1.5	1/4"	6S
HMFS04-M16CF	M16 x 1.5	1/4"	8S
HMFS04-M18CF	M18 x 1.5	1/4"	10S
HMFS05-M18CF	M18 x 1.5	5/16"	10S
HMFS05-M20CF	M20 x 1.5	5/16"	12S
HMFS06-M16CF	M16 x 1.5	3/8"	8S
HMFS06-M18CF	M18 x 1.5	3/8"	10S
HMFS06-M20CF	M20 x 1.5	3/8"	12S
HMFS06-M22CF	M22 x 1.5	3/8"	14S
HMFS08-M24CF	M24 x 1.5	1/2"	16S
HMFS08-M30CF	M30 x 2	1/2"	20S
HMFS10-M24CF	M24 x 1.5	5/8"	16S
HMFS10-M30CF	M30 x 2	5/8"	20S
HMFS12-M30CF	M30 x 2	3/4"	20S
HMFS12-M36CF	M36 x 2	3/4"	25S
HMFS16-M36CF	M36 x 2	1"	25S
HMFS16-M42CF	M42 x 2	1"	30S
HMFS20-M52CF	M52 x 2	1.1/4"	38S
HMFS24-M52CF	M52 x 2	1.1/2"	38S



**90° Metric Female 24° Cone Seat,
S Series, DIN 3865**

0309	Thread	To Suit Hose ID	Size
HMFS0390-M16CF	M16 x 1.5	3/16"	8S
HMFS0490-M14CF	M14 x 1.5	1/4"	6S
HMFS0490-M16CF	M16 x 1.5	1/4"	8S
HMFS0490-M18CF	M18 x 1.5	1/4"	10S
HMFS0490-M20CF	M20 x 1.5	1/4"	12S
HMFS0590-M18CF	M18 x 1.5	5/16"	10S
HMFS0590-M20CF	M20 x 1.5	5/16"	12S
HMFS0690-M18CF	M18 x 1.5	3/8"	10S
HMFS0690-M20CF	M20 x 1.5	3/8"	12S
HMFS0690-M22CF	M22 x 1.5	3/8"	14S
HMFS0890-M24CF	M24 x 1.5	1/2"	16S
HMFS1090-M24CF	M24 x 1.5	5/8"	16S
HMFS1090-M30CF	M30 x 2	5/8"	20S
HMFS1290-M30CF	M30 x 2	3/4"	20S
HMFS1290-M36CF	M36 x 2	3/4"	25S
HMFS1690-M36CF	M36 x 2	1"	25S
HMFS1690-M42CF	M42 x 2	1"	30S
HMFS2090-M52CF	M52 x 2	1.1/4"	38S
HMFS2490-M52CF	M52 x 2	1.1/2"	38S



**45° Metric Female 24° Cone Seat,
S Series, DIN 3865**

0309	Thread	To Suit Hose ID	Size
HMFS03-45-M16CF	M16 x 1.5	3/16"	8S
HMFS04-45-M14CF	M14 x 1.5	1/4"	6S
HMFS04-45-M16CF	M16 x 1.5	1/4"	8S
HMFS04-45-M18CF	M18 x 1.5	1/4"	10S
HMFS05-45-M18CF	M18 x 1.5	5/16"	10S
HMFS05-45-M20CF	M20 x 1.5	5/16"	12S
HMFS06-45-M20CF	M20 x 1.5	3/8"	12S
HMFS06-45-M22CF	M22 x 1.5	3/8"	14S
HMFS08-45-M24CF	M24 x 1.5	1/2"	16S
HMFS10-45-M30CF	M30 x 2	5/8"	20S
HMFS12-45-M30CF	M30 x 2	3/4"	20S
HMFS12-45-M36CF	M36 x 2	3/4"	25S
HMFS16-45-M36CF	M36 x 2	1"	25S
HMFS16-45-M42CF	M42 x 2	1"	30S
HMFS20-45-M52CF	M52 x 2	1.1/4"	38S
HMFS24-45-M52CF	M52 x 2	1.1/2"	38S

**Standpipe,
S Series**



0309	OD mm	To Suit Hose ID
HSSP04-10CF	10	1/4"
HSSP06-14CF	14	3/8"
HSSP08-16CF	16	1/2"
HSSP10-20CF	20	5/8"
HSSP12-20CF	20	3/4"
HSSP12-25CF	25	3/4"
HSSP16-25CF	25	1"
HSSP16-30CF	30	1"
HSSP20-38CF	38	1.1/4"



45° Standpipe, S Series

0309	OD mm	To Suit Hose ID
HSSP04-45-08CF	8	1/4"
HSSP04-45-10CF	10	1/4"
HSSP04-45-12CF	12	1/4"
HSSP05-45-12CF	12	5/16"
HSSP06-45-14CF	14	3/8"
HSSP08-45-14CF	14	1/2"
HSSP08-45-16CF	16	1/2"
HSSP10-45-16CF	16	5/8"
HSSP10-45-20CF	20	5/8"
HSSP12-45-20CF	20	3/4"
HSSP12-45-25CF	25	3/4"
HSSP16-45-25CF	25	1"
HSSP16-45-30CF	30	1"
HSSP16-45-38CF	38	1"
HSSP20-45-30CF	30	1.1/4"
HSSP20-45-38CF	38	1.1/4"



**90° Standpipe,
S Series**

0309	OD mm	To Suit Hose ID
HSSP04-90-08CF	8	1/4"
HSSP04-90-10CF	10	1/4"
HSSP06-90-14CF	14	3/8"
HSSP08-90-16CF	16	1/2"
HSSP10-90-20CF	20	5/8"
HSSP12-90-20CF	20	3/4"
HSSP12-90-25CF	25	3/4"
HSSP16-90-25CF	25	1"
HSSP16-90-30CF	30	1"

HYDRAULIC HOSE CONNECTORS



ORFS

Hexavalent chromium free plating



ORFS Male (O-Ring Face)

0309	Thread	To Suit Hose ID
ORFSM0404CF	9/16"	1/4"
ORFSM0604CF	11/16"	1/4"
ORFSM0605CF	11/16"	5/16"
ORFSM0606CF	11/16"	3/8"
ORFSM0806CF	13/16"	3/8"
ORFSM0808CF	13/16"	1/2"
ORFSM1008CF	1"	1/2"
ORFSM1010CF	1"	5/8"
ORFSM1208CF	1.3/16"	1/2"
ORFSM1210CF	1.3/16"	5/8"
ORFSM1212CF	1.3/16"	3/4"
ORFSM1612CF	1.7/16"	3/4"
ORFSM1616CF	1.7/16"	1"
ORFSM2020CF	1.11/16"	1.1/4"
ORFSM2424CF	2"	1.1/2"



ORFS Female Insert

0309	Thread	To Suit Hose ID
ORFSF0404CF	9/16"	1/4"
ORFSF0604CF	11/16"	1/4"
ORFSF0605CF	11/16"	5/16"
ORFSF0606CF	11/16"	3/8"
ORFSF0806CF	13/16"	3/8"
ORFSF0808CF	13/16"	1/2"
ORFSF1008CF	1"	1/2"
ORFSF1010CF	1"	5/8"
ORFSF1012CF	1"	3/4"
ORFSF1208CF	1.3/16"	1/2"
ORFSF1210CF	1.3/16"	5/8"
ORFSF1212CF	1.3/16"	3/4"
ORFSF1612CF	1.7/16"	3/4"
ORFSF1616CF	1.7/16"	1"
ORFSF2020CF	1.11/16"	1.1/4"
ORFSF2424CF	2"	1.1/2"



ORFS Female 45° Elbow Inserts

0309	Thread	To Suit Hose ID
ORFSF044504CF	9/16"	1/4"
ORFSF064504CF	11/16"	1/4"
ORFSF064505CF	11/16"	5/16"
ORFSF064506CF	11/16"	3/8"
ORFSF084506CF	13/16"	3/8"
ORFSF084508CF	13/16"	1/2"
ORFSF104508CF	1"	1/2"
ORFSF104510CF	1"	5/8"
ORFSF104512CF	1"	3/4"
ORFSF124508CF	1.3/16"	1/2"
ORFSF124510CF	1.3/16"	5/8"
ORFSF124512CF	1.3/16"	3/4"
ORFSF164512CF	1.7/16"	3/4"
ORFSF164516CF	1.7/16"	1"
ORFSF204520CF	1.11/16"	1.1/4"
ORFSF244524CF	2"	1.1/2"



ORFS Female 90° Elbow Insert

0309	Thread	To Suit Hose ID
ORFSF049004CF	9/16"	1/4"
ORFSF069004CF	11/16"	1/4"
ORFSF069005CF	11/16"	5/16"
ORFSF069006CF	11/16"	3/8"
ORFSF089006CF	13/16"	3/8"
ORFSF089008CF	13/16"	1/2"
ORFSF109008CF	1"	1/2"
ORFSF109010CF	1"	5/8"
ORFSF109012CF	1"	3/4"
ORFSF129008CF	1.3/16"	1/2"
ORFSF129010CF	1.3/16"	5/8"
ORFSF129012CF	1.3/16"	3/4"
ORFSF169012CF	1.7/16"	3/4"
ORFSF169016CF	1.7/16"	1"
ORFSF209016CF	1.11/16"	1"
ORFSF209020CF	1.11/16"	1.1/4"
ORFSF249024CF	2"	1.1/2"

Banjos

Hexavalent chromium free plating



BSPP Banjo Bolts

0309	Thread
BB02CF	1/8"
BB04CF	1/4"
BB06CF	3/8"
BB08CF	1/2"
BB10CF	5/8"
BB12CF	3/4"
BB16CF	1"



BSPP Banjo Inserts

0309	To Suit Bolt Thread	To Suit Hose ID
B0203CF	1/8"	3/16"
B0204CF	1/8"	1/4"
B0403CF	1/4"	3/16"
B0404CF	1/4"	1/4"
B0405CF	1/4"	5/16"
B0406CF	1/4"	3/8"
B0604CF	3/8"	1/4"
B0605CF	3/8"	5/16"
B0606CF	3/8"	3/8"
B0608CF	3/8"	1/2"
B0806CF	1/2"	3/8"
B0808CF	1/2"	1/2"
B1008CF	5/8"	1/2"
B1010CF	5/8"	5/8"
B1210CF	3/4"	5/8"
B1212CF	3/4"	3/4"
B1612CF	1"	3/4"
B1616CF	1"	1"



Metric Banjo Bolts

0309	Thread
BBJM-10-15	M10 x 1.0
BBJM-12-15	M12 x 1.5
BBJM-14-15	M14 x 1.5
BBJM-16-15	M16 x 1.5
BBJM-18-15	M18 x 1.5
BBJM-20-15	M20 x 1.5
BBJM-22-15	M22 x 1.5
BBJM-26-15	M26 x 1.5
BBJM-30-15	M30 x 1.5



Metric Banjo Inserts

0309	To Suit Bolt Thread	To Suit Hose ID
BJM-03-10	M10 x 1.0	3/16"
BJM-03-12	M12 x 1.5	3/16"
BJM-04-10	M10 x 1.5	1/4"
BJM-04-12	M12 x 1.5	1/4"
BJM-04-14	M14 x 1.5	1/4"
BJM-05-14	M14 x 1.5	5/16"
BJM-05-16	M16 x 1.5	5/16"
BJM-05-18	M18 x 1.5	5/16"
BJM-06-14	M14 x 1.5	3/8"
BJM-06-16	M16 x 1.5	3/8"
BJM-06-18	M18 x 1.5	3/8"
BJM-06-22	M22 x 1.5	3/8"
BJM-08-16	M16 x 1.5	1/2"
BJM-08-18	M18 x 1.5	1/2"
BJM-08-22	M22 x 1.5	1/2"
BJM-10-22	M22 x 1.5	5/8"
BJM-10-26	M26 x 1.5	5/8"
BJM-12-22	M22 x 1.5	3/4"
BJM-12-26	M26 x 1.5	3/4"
BJM-16-30	M30 x 1.5	1"

NPT



Male Inserts

0309	Thread	To Suit Hose ID
NPTM0203CF	1/8"	3/16"
NPTM0204CF	1/8"	1/4"
NPTM0403CF	1/4"	3/16"
NPTM0404CF	1/4"	1/4"
NPTM0405CF	1/4"	5/16"
NPTM0406CF	1/4"	3/8"
NPTM0604CF	3/8"	1/4"
NPTM0605CF	3/8"	5/16"
NPTM0606CF	3/8"	3/8"
NPTM0608CF	3/8"	1/2"
NPTM0805CF	1/2"	5/16"
NPTM0806CF	1/2"	3/8"
NPTM0808CF	1/2"	1/2"
NPTM0810CF	1/2"	5/8"
NPTM0812CF	1/2"	3/4"
NPTM1208CF	3/4"	1/2"
NPTM1210CF	3/4"	5/8"
NPTM1212CF	3/4"	3/4"
NPTM1616CF	1"	1"
NPTM1620CF	1"	1.1/4"
NPTM2016CF	1.1/4"	1"
NPTM2020CF	1.1/4"	1.1/4"
NPTM2424CF	1.1/2"	1.1/2"
NPTM3232CF	2"	2"

Hose Joint



Equal

0309	To Suit Hose ID
HJ0404CF	1/4"
HJ0505CF	5/16"
HJ0606CF	3/8"
HJ0808CF	1/2"
HJ1010CF	5/8"
HJ1212CF	3/4"
HJ1616CF	1"

Complete banjo fitting sets require self centering bonded seals, see page 110

HYDRAULIC HOSE CONNECTORS



SAE 3000 PSI (3K)

Hexavalent chromium free plating



Straight Flanges

0309	Flange ND	To Suit Hose ID
HFL3-08-08CF	1/2"	1/2"
HFL3-08-12CF	3/4"	1/2"
HFL3-10-12CF	3/4"	5/8"
HFL3-12-12CF	3/4"	3/4"
HFL3-12-16CF	1"	3/4"
HFL3-16-16CF	1"	1"
HFL3-16-20CF	1.1/4"	1"
HFL3-20-20CF	1.1/4"	1.1/4"
HFL3-20-24CF	1.1/2"	1.1/4"
HFL3-24-24CF	1.1/2"	1.1/2"
HFL3-24-32CF	2"	1.1/2"
HFL3-32-32CF	2"	2"



90° Flanges

0309	Flange ND	To Suit Hose ID
HFL390-08-08CF	1/2"	1/2"
HFL390-08-12CF	3/4"	1/2"
HFL390-12-12CF	3/4"	3/4"
HFL390-12-16CF	1"	3/4"
HFL390-16-16CF	1"	1"
HFL390-16-20CF	1.1/4"	1"
HFL390-20-20CF	1.1/4"	1.1/4"
HFL390-20-24CF	1.1/2"	1.1/4"
HFL390-24-24CF	1.1/2"	1.1/2"
HFL390-24-32CF	2"	1.1/2"
HFL390-32-32CF	2"	2"



45° Flanges

0309	Flange ND	To Suit Hose ID
HFL345-12-12CF	3/4"	3/4"
HFL345-16-12CF	3/4"	1"
HFL345-16-16CF	1"	1"
HFL345-16-20CF	1.1/4"	1"
HFL345-20-20CF	1.1/4"	1.1/4"
HFL345-20-24CF	1.1/2"	1.1/4"
HFL345-24-24CF	1.1/2"	1.1/2"
HFL345-24-32CF	2"	1.1/2"
HFL345-32-32CF	2"	2"

SAE 6000 PSI (6K)



Straight Flanges

0309	Flange ND	To Suit Hose ID
HFL6-08-08CF	1/2"	1/2"
HFL6-12-12CF	3/4"	3/4"
HFL6-12-16CF	1"	3/4"
HFL6-16-16CF	1"	1"
HFL6-16-20CF	1.1/4"	1"
HFL6-20-20CF	1.1/4"	1.1/4"
HFL6-20-24CF	1.1/2"	1.1/4"
HFL6-24-24CF	1.1/2"	1.1/2"
HFL6-32-32CF	2"	2"



90° Flanges

0309	Flange ND	To Suit Hose ID
HFL690-08-08CF	1/2"	1/2"
HFL690-08-12CF	3/4"	1/2"
HFL690-12-12CF	3/4"	3/4"
HFL690-12-16CF	1"	3/4"
HFL690-16-16CF	1"	1"
HFL690-16-20CF	1.1/4"	1"
HFL690-20-20CF	1.1/4"	1.1/4"
HFL690-20-24CF	1.1/2"	1.1/4"
HFL690-24-24CF	1.1/2"	1.1/2"
HFL690-32-32CF	2"	2"



45° Flanges

0309	Flange ND	To Suit Hose ID
HFL645-08-08CF	1/2"	1/2"
HFL645-08-12CF	3/4"	1/2"
HFL645-12-12CF	3/4"	3/4"
HFL645-12-16CF	1"	3/4"
HFL645-16-16CF	1"	1"
HFL645-16-20CF	1.1/4"	1"
HFL645-20-20CF	1.1/4"	1.1/4"
HFL645-20-24CF	1.1/2"	1.1/4"
HFL645-24-24CF	1.1/2"	1.1/2"
HFL645-32-32CF	2"	2"

Split Flange Half

Sold as Halves



3000 psi

0300	Flange Size	Bolt Type Metric	Bolt Type UNC
FH3001	1/2"	M8 x 25	5/16" x 1.1/4"
FH3002	3/4"	M10 x 30	3/8" x 1.1/4"
FH3003	1"	M10 x 30	3/8" x 1.1/4"
FH3004	1.1/4"	M10 x 35	7/16" x 1.1/2"
FH3005	1.1/2"	M12 x 35	1/2" x 1.1/2"
FH3006	2"	M12 x 35	1/2" x 1.1/2"
FH3007	2.1/2"	M12 x 40	1/2" x 1.1/2"
FH3011	5"	M16 x 50	5/8" x 2"

Tech Sheet 1626

Sold as Halves



6000 psi

0300	Flange Size	Bolt Type Metric	Bolt Type UNC
FH6001	1/2"	M8 x 30	5/16" x 1.1/4"
FH6002	3/4"	M10 x 35	3/8" x 1.1/2"
FH6003	1"	M12 x 45	-
FH6013	1"	-	7/16" x 1.1/4"
FH6004	1.1/4"	M14 x 50	-
FH6044	1.1/4"	-	1/2" x 1.3/4"
FH6005	1.1/2"	M16 x 55	5/8" x 2"
FH6006	2"	M20 x 65	3/4" x 2.1/2"

Tech Sheet 1626

Bolts, washers and O-rings are not included and must be purchased separately, see page 108

INTERLOCK HOSE CONNECTORS



Standard hydraulic adaptors do not adhere to the working pressure of multi spiral hose. Please use KR500 Hydraulic Adaptors for high pressure and multi spiral applications. See pages **82-84**

Ferrule



4SH

0309	To Suit Hose ID
JMF4SH-12CF	3/4"
JMF4SH-16CF	1"

Tech Sheet 3152

BSPP



Female

0309	Thread	To Suit Hose ID
JMBSPF-12-12CF	3/4"	3/4"
JMBSPF-16-12CF	1"	3/4"
JMBSPF-16-16CF	1"	1"
JMBSPF-20-16CF	1.1/4"	1"



Male

0309	Thread	To Suit Hose ID
JMBSPM-12-12CF	3/4"	3/4"
JMBSPM-16-12CF	1"	3/4"
JMBSPM-16-16CF	1"	1"
JMBSPM-20-16CF	1.1/4"	1"



45° Elbow

0309	Thread	To Suit Hose ID
JMBSPF45-12-12CF	3/4"	3/4"
JMBSPF45-16-12CF	1"	3/4"
JMBSPF45-16-16CF	1"	1"
JMBSPF45-20-16CF	1.1/4"	1"



90° Elbow

0309	Thread	To Suit Hose ID
JMBSPF90-12-12CF	3/4"	3/4"
JMBSPF90-16-12CF	1"	3/4"
JMBSPF90-16-16CF	1"	1"
JMBSPF90-20-16CF	1.1/4"	1"

JIC



Female

0309	Thread	To Suit Hose ID
JMJICF-17-12CF	1.1/16"	3/4"
JMJICF-21-12CF	1.5/16"	3/4"
JMJICM-21-16CF	1.5/16"	1"
JMJICF-26-16CF	1.5/8"	1"



Male

0309	Thread	To Suit Hose ID
JMJICMM-17-12CF	1.1/16"	3/4"
JMJICMM-21-12CF	1.5/16"	3/4"
JMJICMM-21-16CF	1.5/16"	1"
JMJICMM-26-16CF	1.5/8"	1"



45° Elbow

0309	Thread	To Suit Hose ID
JMJICF45-17-12CF	1.1/16"	3/4"
JMJICF45-21-12CF	1.5/16"	3/4"
JMJICF45-21-16CF	1.5/16"	1"
JMJICF45-26-16CF	1.5/8"	1"



90° Elbow

0309	Thread	To Suit Hose ID
JMJICF90-17-12CF	1.1/16"	3/4"
JMJICF90-21-12CF	1.5/16"	3/4"
JMJICF90-21-16CF	1.5/16"	1"
JMJICF90-26-16CF	1.5/8"	1"



For Hydraulic Test Kits
see page **272**

INTERLOCK HOSE CONNECTORS



Metric Heavy



Male

0309	Thread	To Suit Hose ID
JMDKOSM-26-12CF	25S-36 x 2	3/4"
JMDKOSM-42-16CF	30S-42 x 2	1"



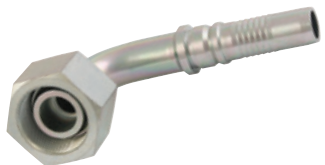
Female

0309	Thread	To Suit Hose ID
JMDKOSF-36-12CF	25S-36 x 2	3/4"
JMDKOSF-42-16CF	30S-42 x 2	1"



45° Elbow

0309	Thread	To Suit Hose ID
JMDKOS45-36-12CF	25S-36 x 2	3/4"
JMDKOS45-42-16CF	30S-42 x 2	1"



90° Elbow

0309	Thread	To Suit Hose ID
JMDKOS90-26-12CF	25S-36 x 2	3/4"
JMDKOS90-42-16CF	30S-42 x 2	1"

ORFS



Female

0309	Thread	To Suit Hose ID
JMORFSF1212CF	1.3/16"	3/4"
JMORFSF1616CF	1.7/16"	1"



45° Elbow

0309	Thread	To Suit Hose ID
JMORFSF451212CF	1.3/16"	3/4"
JMORFSF451616CF	1.7/16"	1"



90° Elbow

0309	Thread	To Suit Hose ID
JMORFSF901212CF	1.3/16"	3/4"
JMORFSF901616CF	1.7/16"	1"

Poclain Style Flange



Male

0309	Flange ND	To Suit Hose ID
JMPOCM-12-12CF	3/4"	3/4"
JMPOCM-16-16CF	1"	1"



Female

0309	Flange ND	To Suit Hose ID
JMPOCF-12-12CF	3/4"	3/4"
JMPOCF-16-16CF	1"	1"



For PPE
see pages 1750-1760

CAT Style Flange



Straight

0309	ND	To Suit Hose ID
JMCAT12-12CF	3/4"	3/4"
JMCAT16-12CF	1"	3/4"
JMCAT16-16CF	1"	1"
JMCAT20-16CF	1.1/4"	1"

Tech Sheet 10047



45° Elbow

0309	ND	To Suit Hose ID
JMCAT4512-12CF	3/4"	3/4"
JMCAT4516-12CF	1"	3/4"
JMCAT4516-16CF	1"	1"
JMCAT4520-16CF	1.1/4"	1"

Tech Sheet 10047



90° Elbow

0309	ND	To Suit Hose ID
JMCAT9012-12CF	3/4"	3/4"
JMCAT9016-12CF	1"	3/4"
JMCAT9016-16CF	1"	1"
JMCAT9020-16CF	1.1/4"	1"

Tech Sheet 10047

SAE 3000 PSI Flange



Straight

0309	ND	To Suit Hose ID
JMFL3-12-12CF	3/4"	3/4"
JMFL3-16-12CF	1"	3/4"
JMFL3-16-16CF	1"	1"
JMFL3-20-16CF	1.1/4"	1"



45° Elbow

0309	ND	To Suit Hose ID
JMFL345-12-12CF	3/4"	3/4"
JMFL345-16-12CF	1"	3/4"
JMFL345-16-16CF	1"	1"
JMFL345-20-12CF	1.1/4"	1"



90° Elbow

0309	ND	To Suit Hose ID
JMFL390-12-12CF	3/4"	3/4"
JMFL390-16-12CF	1"	3/4"
JMFL390-16-16CF	1"	1"
JMFL390-20-16CF	1.1/4"	1"

SAE 6000 PSI Flange



Straight

0309	ND	To Suit Hose ID
JMFL6-12-12CF	3/4"	3/4"
JMFL6-16-12CF	1"	3/4"
JMFL6-16-16CF	1"	1"
JMFL6-20-16CF	1.1/4"	1"



45° Elbow

0309	ND	To Suit Hose ID
JMFL645-12-12CF	3/4"	3/4"
JMFL645-16-12CF	1"	3/4"
JMFL645-16-16CF	1"	1"
JMFL645-20-12CF	1.1/4"	1"



90° Elbow

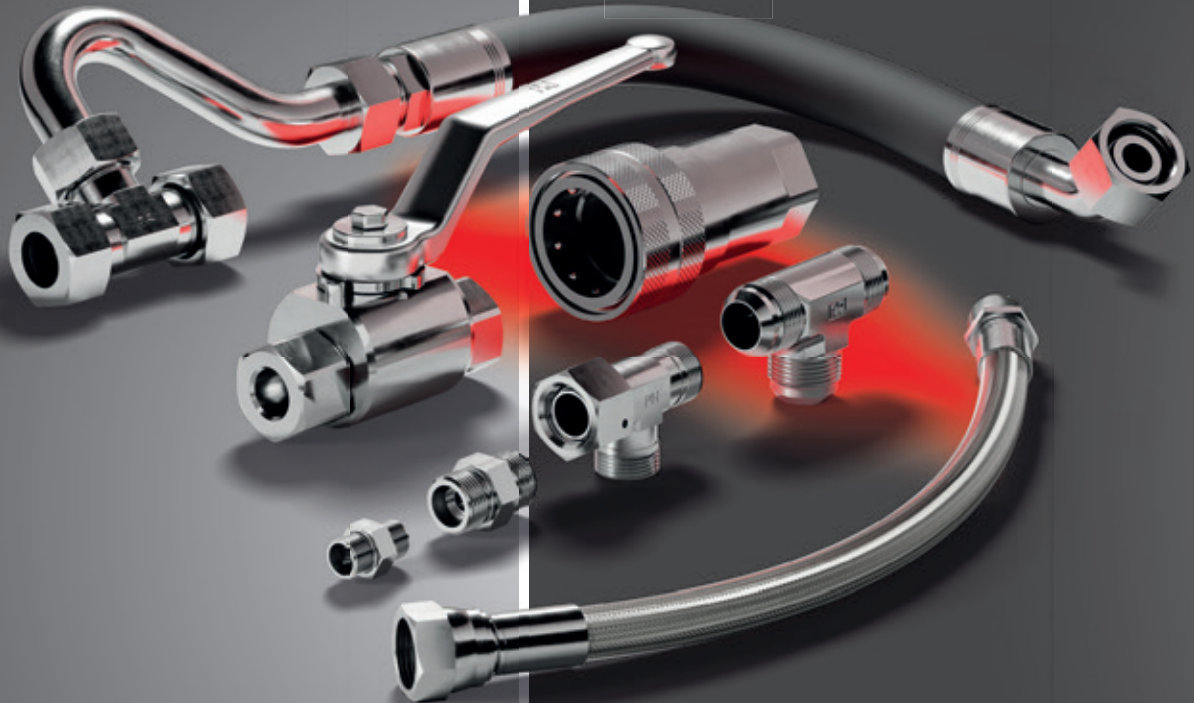
0309	ND	To Suit Hose ID
JMFL690-12-12CF	3/4"	3/4"
JMFL690-16-12CF	1"	3/4"
JMFL690-16-16CF	1"	1"
JMFL690-20-16CF	1.1/4"	1"

For **Split flanges**
see page 24





EDELSTAHL / STAINLESS STEEL
VERBINDUNGSTECHNIK
FLUID CONNECTORS



**SINCE
1982
STAINLESS
STEEL
CONNECTORS
FROM
PH.**

HYDRAULIC HOSE COUPLINGS AND
COMPRESSION FITTINGS MADE FROM
STAINLESS STEEL AISI 316 TI **ONLY.**

WHY PH?

HIGHEST PRECISION
WIDE RANGE OF PRODUCTS
STANDARDS AND NORMS
MAXIMUM AVAILABILITY
TRACEABILITY 100 %
TYPE APPROVALS

HYDRAULIC STAINLESS STEEL FERRULES

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)



Ferrules



R1AT Non-skive

0044	To Suit Hose ID
SFR1-05	3/16"
SFR1-06	1/4"
SFR1-08	5/16"
SFR1-10	3/8"
SFR1-12	1/2"
SFR1-16	5/8"
SFR1-20	3/4"
SFR1-25	1"
SFR1-31	1.1/4"
SFR1-38	1.1/2"
SFR1-51	2"

Tech Sheet 60587



R2AT Non-skive

0044	To Suit Hose ID
SFR2-05	3/16"
SFR2-06	1/4"
SFR2-08	5/16"
SFR2-10	3/8"
SFR2-12	1/2"
SFR2-16	5/8"
SFR2-20	3/4"
SFR2-25	1"
SFR2-31	1.1/4"
SFR2-38	1.1/2"
SFR2-51	2"

Tech Sheet 60588



PTFE, Smooth Bore

0044	To Suit Hose ID
SFPTFE-05	3/16"
SFPTFE-06	1/4"
SFPTFE-08	5/16"
SFPTFE-10	3/8"
SFPTFE-12	1/2"
SFPTFE-16	5/8"
SFPTFE-20	3/4"
SFPTFE-25	1"

Tech Sheet 60586



PTFE, Convoluted Bore

0044	To Suit Hose ID
SCFPTFE-06	1/4"
SCFPTFE-08	5/16"
SCFPTFE-10	3/8"
SCFPTFE-12	1/2"
SCFPTFE-16	5/8"
SCFPTFE-20	3/4"
SCFPTFE-25	1"

Tech Sheet 60585

EN857-1SC Non-skive

0044	To Suit Hose ID
SFR1-06SC	1/4"
SFR1-08SC	5/16"
SFR1-10SC	3/8"
SFR1-12SC	1/2"

Tech Sheet 60587

EN857-2SC Non-skive

0044	To Suit Hose ID
SFR2-06SC	1/4"
SFR2-08SC	5/16"
SFR2-10SC	3/8"
SFR2-12SC	1/2"
SFR2-16SC	5/8"
SFR2-20SC	3/4"
SFR2-25SC	1"

Tech Sheet 60587



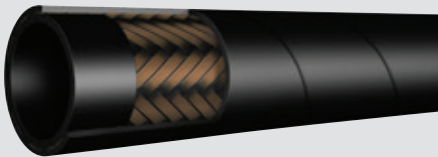
R1AT & R2AT Dual, Non-skive

0044	To Suit Hose ID
SFR3-06	1/4"
SFR3-08	5/16"
SFR3-10	3/8"
SFR3-12	1/2"
SFR3-16	5/8"
SFR3-20	3/4"
SFR3-25	1"

Tech Sheet 60587



For Full range of Hydraulic Hose
see pages 6-14



HYDRAULIC STAINLESS STEEL ADAPTORS & HOSE FITTINGS

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)



BSP

Male Inserts, BSPP



0044	Thread	To Suit Hose ID
SMI05-14	1/4"	3/16"
SMI06-18	1/8"	1/4"
SMI06-14	1/4"	1/4"
SMI06-38	3/8"	1/4"
SMI06-12	1/2"	1/4"
SMI08-14	1/4"	5/16"
SMI08-38	3/8"	5/16"
SMI08-12	1/2"	5/16"
SMI10-14	1/4"	3/8"
SMI10-38	3/8"	3/8"
SMI10-12	1/2"	3/8"
SMI12-38	3/8"	1/2"
SMI12-12	1/2"	1/2"
SMI12-34	3/4"	1/2"
SMI16-12	1/2"	5/8"
SMI16-58	5/8"	5/8"
SMI16-34	3/4"	5/8"
SMI20-34	3/4"	3/4"
SMI20-1	1"	3/4"
SMI25-1	1"	1"
SMI25-34	3/4"	1"
SMI25-114	1.1/4"	1"
SMI31-114	1.1/4"	1.1/4"
SMI31-112	1.1/2"	1.1/4"
SMI38-112	1.1/2"	1.1/2"
SMI51-2	2"	2"

Tech Sheet 60593



Male Inserts, BSPT

0044	Thread	To Suit Hose ID
AGRK-1/8-DN05	1/8"	3/16"
AGRK-1/8-DN06	1/8"	1/4"
AGRK-1/4-DN05	1/4"	3/16"
AGRK-1/4-DN06	1/4"	1/4"
AGRK-1/4-DN10	1/4"	3/8"
AGRK-1/4-DN08	1/4"	5/16"
AGRK-3/8-DN06	3/8"	1/4"
AGRK-3/8-DN08	3/8"	5/16"
AGRK-3/8-DN10	3/8"	3/8"
AGRK-3/8-DN12	3/8"	1/2"
AGRK-1/2-DN10	1/2"	3/8"
AGRK-1/2-DN12	1/2"	1/2"
AGRK-1/2-DN19	1/2"	3/4"
AGRK-3/4-DN12	3/4"	1/2"
AGRK-3/4-DN16	3/4"	5/8"
AGRK-3/4-DN19	3/4"	3/4"
AGRK-3/4-DN25	3/4"	1"
AGRK-1-DN19	1"	3/4"
AGRK-1-DN25	1"	1"
AGRK-11/4-DN31	1.1/4"	1.1/4"
AGRK-11/2-DN38	1.1/2"	1.1/2"
AGRK-2-DN51	2"	2"

Tech Sheet 60589

Swivel Female Inserts, BSPP



0044	Thread	To Suit Hose ID
SFI05-18	1/8"	3/16"
SFI05-14	1/4"	3/16"
SFI06-18	1/8"	1/4"
SFI06-14	1/4"	1/4"
SFI06-38	3/8"	1/4"
SFI06-12	1/2"	1/4"
SFI08-14	1/4"	5/16"
SFI08-38	3/8"	5/16"
SFI08-12	1/2"	5/16"
SFI10-14	1/4"	3/8"
SFI10-38	3/8"	3/8"
SFI10-12	1/2"	3/8"
SFI12-38	3/8"	1/2"
SFI12-12	1/2"	1/2"
SFI12-58	5/8"	1/2"
SFI16-12	1/2"	5/8"
SFI16-58	5/8"	5/8"
SFI16-34	3/4"	5/8"
SFI20-12	1/2"	3/4"
SFI20-34	3/4"	3/4"
SFI20-1	1"	3/4"
SFI20-114	1.1/4"	3/4"
SFI25-1	1"	1"
SFI25-34	3/4"	1"
SFI25-114	1.1/4"	1"
SFI31-1	1"	1.1/4"
SFI31-114	1.1/4"	1.1/4"
SFI31-112	1.1/2"	1.1/4"
SFI38-112	1.1/2"	1.1/2"
SFI38-2	2"	1.1/2"
SFI51-2	2"	2"

Tech Sheet 60592

Female Swept 90° Inserts, BSPP



0044	Thread	To Suit Hose ID
SEI05-14	1/4"	3/16"
SEI05-18	1/8"	3/16"
SEI06-18	1/8"	1/4"
SEI06-14	1/4"	1/4"
SEI06-38	3/8"	1/4"
SEI08-14	1/4"	5/16"
SEI08-38	3/8"	5/16"
SEI10-14	1/4"	3/8"
SEI10-38	3/8"	3/8"
SEI10-12	1/2"	3/8"
SEI12-38	3/8"	1/2"
SEI12-12	1/2"	1/2"
SEI12-58	5/8"	1/2"
SEI16-12	1/2"	5/8"
SEI16-58	5/8"	5/8"
SEI16-34	3/4"	5/8"
SEI20-34	3/4"	3/4"
SEI20-1	1"	3/4"
SEI25-1	1"	1"
SEI25-114	1.1/4"	1"
SEI31-114	1.1/4"	1.1/4"
SEI31-112	1.1/2"	1.1/4"
SEI38-112	1.1/2"	1.1/2"
SEI38-2	2"	1.1/2"
SEI51-2	2"	2"

Tech Sheet 60591

Female Swept 45° Inserts, BSPP



0044	Thread	To Suit Hose ID
DKR-1/8-45-DN05	1/8"	3/16"
DKR-1/8-45-DN06	1/8"	1/4"
DKR-1/4-45-DN05	1/4"	3/16"
DKR-1/4-45-DN06	1/4"	1/4"
DKR-1/4-45-DN08	1/4"	5/16"
DKR-1/4-45-DN10	1/4"	3/8"
DKR-3/8-45-DN06	3/8"	1/4"
DKR-3/8-45-DN08	3/8"	5/16"
DKR-3/8-45-DN10	3/8"	3/8"
DKR-3/8-45-DN12	3/8"	1/2"
DKR-1/2-45-DN10	1/2"	3/8"
DKR-1/2-45-DN12	1/2"	1/2"
DKR-1/2-45-DN16	1/2"	5/8"
DKR-5/8-45-DN12	5/8"	1/2"
DKR-5/8-45-DN16	5/8"	5/8"
DKR-3/4-45-DN12	3/4"	1/2"
DKR-3/4-45-DN16	3/4"	5/8"
DKR-3/4-45-DN19	3/4"	3/4"
DKR-1-45-DN19	1"	3/4"
DKR-1-45-DN25	1"	1"
DKR-11/4-45-DN25	1.1/4"	1"
DKR-11/4-45-DN31	1.1/4"	1.1/4"
DKR-11/2-45-DN31	1.1/2"	1.1/4"
DKR-11/2-45-DN38	1.1/2"	1.1/2"
DKR-2-45-DN38	2"	1.1/2"
DKR-2-45-DN51	2"	2"

Tech Sheet 60590

HYDRAULIC STAINLESS STEEL ADAPTORS & HOSE FITTINGS

JIC 37°

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)



Male Inserts

0044	Thread	To Suit Hose ID
AGJ-7/16-DN05	7/16"	3/16"
AGJ-7/16-DN06	7/16"	1/4"
AGJ-1/2-DN05	1/2"	3/16"
AGJ-1/2-DN06	1/2"	1/4"
AGJ-1/2-DN08	1/2"	5/16"
AGJ-9/16-DN05	9/16"	3/16"
AGJ-9/16-DN06	9/16"	1/4"
AGJ-9/16-DN08	9/16"	5/16"
AGJ-9/16-DN10	9/16"	3/8"
AGJ-3/4-DN10	3/4"	3/8"
AGJ-3/4-DN12	3/4"	1/2"
AGJ-7/8-DN10	7/8"	3/8"
AGJ-7/8-DN12	7/8"	1/2"
AGJ-7/8-DN16	7/8"	5/8"
AGJ-11/16-DN12	1.1/16"	1/2"
AGJ-11/16-DN16	1.1/16"	5/8"
AGJ-11/16-DN19	1.1/16"	3/4"
AGJ-15/16-DN19	1.5/16"	3/4"
AGJ-15/16-DN25	1.5/16"	1"
AGJ-15/8-DN25	1.5/8"	1"
AGJ-15/8-DN31	1.5/8"	1.1/4"
AGJ-17/8-DN31	1.7/8"	1.1/4"
AGJ-17/8-DN38	1.7/8"	1.1/2"
AGJ-21/2-DN38	2.1/2"	1.1/2"
AGJ-21/2-DN51	2.1/2"	2"

Tech Sheet 60594



Female Swivel Inserts

0044	Thread	To Suit Hose ID
DKJ7/16-DN05	7/16"	3/16"
DKJ7/16-DN06	7/16"	1/4"
DKJ1/2-DN05	1/2"	3/16"
DKJ1/2-DN06	1/2"	1/4"
DKJ1/2-DN08	1/2"	5/16"
DKJ9/16-DN05	9/16"	3/16"
DKJ9/16-DN06	9/16"	1/4"
DKJ9/16-DN08	9/16"	5/16"
DKJ9/16-DN10	9/16"	3/8"
DKJ9/16-DN12	9/16"	1/2"
DKJ3/4-DN06	3/4"	1/4"
DKJ3/4-DN08	3/4"	5/16"
DKJ3/4-DN10	3/4"	3/8"
DKJ3/4-DN12	3/4"	1/2"
DKJ3/4-DN16	3/4"	5/8"
DKJ3/4-DN19	3/4"	3/4"
DKJ7/8-DN10	7/8"	3/8"
DKJ7/8-DN12	7/8"	1/2"
DKJ7/8-DN16	7/8"	5/8"
DKJ7/8-DN19	7/8"	3/4"
DKJ11/16-DN12	1.1/16"	1/2"
DKJ11/16-DN16	1.1/16"	5/8"
DKJ11/16-DN19	1.1/16"	3/4"
DKJ11/16-DN25	1.1/16"	1"
DKJ15/16-DN16	1.5/16"	5/8"
DKJ15/16-DN25	1.5/16"	1"
DKJ15/8-DN25	1.5/8"	1"
DKJ15/8-DN31	1.5/8"	1.1/4"
DKJ17/8-DN31	1.7/8"	1.1/4"
DKJ17/8-DN38	1.7/8"	1.1/2"
DKJ21/2-DN38	2.1/2"	1.1/2"
DKJ21/2-DN51	2.1/2"	2"

Tech Sheet 60597



Female Swept 90° Inserts

0044	Thread	To Suit Hose ID
DKJ7/16-90-DN05	7/16"	3/16"
DKJ7/16-90-DN06	7/16"	1/4"
DKJ1/2-90-DN05	1/2"	3/16"
DKJ1/2-90-DN06	1/2"	1/4"
DKJ1/2-90-DN08	1/2"	5/16"
DKJ9/16-90-DN05	9/16"	3/16"
DKJ9/16-90-DN06	9/16"	1/4"
DKJ9/16-90-DN08	9/16"	5/16"
DKJ9/16-90-DN10	9/16"	3/8"
DKJ3/4-90-DN10	3/4"	3/8"
DKJ3/4-90-DN12	3/4"	1/2"
DKJ7/8-90-DN10	7/8"	3/8"
DKJ7/8-90-DN12	7/8"	1/2"
DKJ7/8-90-DN16	7/8"	5/8"
DKJ11/16-90-DN12	1.1/16"	1/2"
DKJ11/16-90-DN16	1.1/16"	5/8"
DKJ11/16-90-DN19	1.1/16"	3/4"
DKJ15/16-90-DN19	1.5/16"	3/4"
DKJ15/16-90-DN25	1.5/16"	1"
DKJ1.5/8-90-DN25	1.5/8"	1"
DKJ15/8-90-DN31	1.5/8"	1.1/4"
DKJ17/8-90-DN31	1.7/8"	1.1/4"
DKJ17/8-90-DN38	1.7/8"	1.1/2"
DKJ21/2-90-DN38	2.1/2"	1.1/2"
DKJ21/2-90-DN51	2.1/2"	2"

Tech Sheet 60596



Female Swept 45° Inserts

0044	Thread	To Suit Hose ID
DKJ-7/16-45-DN06	7/16"	1/4"
DKJ-1/2-45-DN06	1/2"	1/4"
DKJ-1/2-45-DN08	1/2"	5/16"
DKJ-9/16-45-DN06	9/16"	1/4"
DKJ-9/16-45-DN08	9/16"	5/16"
DKJ-9/16-45-DN10	9/16"	3/8"
DKJ-3/4-45-DN10	3/4"	3/8"
DKJ-3/4-45-DN12	3/4"	1/2"
DKJ-7/8-45-DN10	7/8"	3/8"
DKJ-7/8-45-DN12	7/8"	1/2"
DKJ-7/8-45-DN16	7/8"	5/8"
DKJ-11/16-45-DN12	1.1/16"	1/2"
DKJ-11/16-45-DN16	1.1/16"	5/8"
DKJ-11/16-45-DN19	1.1/16"	3/4"
DKJ-15/16-45-DN19	1.5/16"	3/4"
DKJ-15/16-45-DN25	1.5/16"	1"
DKJ-15/8-45-DN25	1.5/8"	1"
DKJ-15/8-45-DN31	1.5/8"	1.1/4"
DKJ-17/8-45-DN31	1.7/8"	1.1/4"
DKJ-17/8-45-DN38	1.7/8"	1.1/2"
DKJ-21/2-45-DN38	2.1/2"	1.1/2"
DKJ-21/2-45-DN51	2.1/2"	2"

Tech Sheet 60595



For Hose & Pipe Cleaning
see page 49

HYDRAULIC STAINLESS STEEL ADAPTORS & HOSE FITTINGS

stainless
steel



Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)



Metric Light Series



**Metric Male 24° Cone Seat,
L Series DIN 2353**

0044	Thread	To Suit Hose ID
CEL-06-DN05	M12 x 1.5	3/16"
CEL-06-DN06	M12 x 1.5	1/4"
CEL-08-DN05	M14 x 1.5	3/16"
CEL-08-DN06	M14 x 1.5	1/4"
CEL-10-DN06	M16 x 1.5	1/4"
CEL-10-DN08	M16 x 1.5	5/16"
CEL-10-DN10	M16 x 1.5	3/8"
CEL-12-DN06	M18 x 1.5	1/4"
CEL-12-DN08	M18 x 1.5	5/16"
CEL-12-DN10	M18 x 1.5	3/8"
CEL-12-DN12	M18 x 1.5	1/2"
CEL-15-DN10	M22 x 1.5	3/8"
CEL-15-DN12	M22 x 1.5	1/2"
CEL-18-DN12	M26 x 1.5	1/2"
CEL-18-DN16	M26 x 1.5	5/8"
CEL-18-DN19	M26 x 1.5	3/4"
CEL-22-DN16	M30 x 2	5/8"
CEL-22-DN19	M30 x 2	3/4"
CEL-28-DN19	M36 x 2	3/4"
CEL-28-DN25	M36 x 2	1"
CEL-35-DN31	M45 x 2	1.1/4"
CEL-42-DN38	M52 x 2	1.1/2"

Tech Sheet 60598



**Metric Female 24° Cone Seat,
L Series with O-Ring, DIN 2353**

0044	Thread	To Suit Hose ID
DKOL-06-DN05	M12 x 1.5	3/16"
DKOL-06-DN06	M12 x 1.5	1/4"
DKOL-08-DN05	M14 x 1.5	3/16"
DKOL-08-DN06	M14 x 1.5	1/4"
DKOL-08-DN08	M14 x 1.5	5/16"
DKOL-08-DN10	M14 x 1.5	3/8"
DKOL-10-DN06	M16 x 1.5	1/4"
DKOL-10-DN08	M16 x 1.5	5/16"
DKOL-10-DN10	M16 x 1.5	3/8"
DKOL-12-DN06	M18 x 1.5	1/4"
DKOL-12-DN08	M18 x 1.5	5/16"
DKOL-12-DN10	M18 x 1.5	3/8"
DKOL-12-DN12	M18 x 1.5	1/2"
DKOL-15-DN06	M22 x 1.5	1/4"
DKOL-15-DN08	M22 x 1.5	5/16"
DKOL-15-DN10	M22 x 1.5	3/8"
DKOL-15-DN12	M22 x 1.5	1/2"
DKOL-15-DN16	M22 x 1.5	5/8"
DKOL-18-DN10	M26 x 1.5	3/8"
DKOL-18-DN12	M26 x 1.5	1/2"
DKOL-18-DN16	M26 x 1.5	5/8"
DKOL-18-DN19	M26 x 1.5	3/4"
DKOL-22-DN12	M30 x 2	1/2"
DKOL-22-DN16	M30 x 2	5/8"
DKOL-22-DN19	M30 x 2	3/4"
DKOL-22-DN25	M30 x 2	1"
DKOL-28-DN16	M36 x 2	5/8"
DKOL-28-DN19	M36 x 2	3/4"
DKOL-28-DN25	M36 x 2	1"
DKOL-35-DN25	M45 x 2	1"
DKOL-35-DN31	M45 x 2	1.1/4"
DKOL-42-DN31	M52 x 2	1.1/4"
DKOL-42-DN38	M52 x 2	1.1/2"

Tech Sheet 60601



**90° Metric Female 24° Cone Seat,
L Series with O-Ring DIN 2353**

0044	Thread	To Suit Hose ID
DKOL-06-90-DN05	M12 X 1.5	3/16"
DKOL-06-90-DN06	M12 x 1.5	1/4"
DKOL-08-90-DN06	M14 x 1.5	1/4"
DKOL-08-90-DN08	M14 x 1.5	5/16"
DKOL-10-90-DN06	M16 x 1.5	1/4"
DKOL-10-90-DN08	M16 x 1.5	5/16"
DKOL-10-90-DN10	M16 x 1.5	3/8"
DKOL-12-90-DN06	M18 x 1.5	1/4"
DKOL-12-90-DN08	M18 x 1.5	5/16"
DKOL-12-90-DN10	M18 x 1.5	3/8"
DKOL-12-90-DN12	M18 x 1.5	1/2"
DKOL-15-90-DN10	M22 x 1.5	3/8"
DKOL-15-90-DN12	M22 x 1.5	1/2"
DKOL-18-90-DN12	M26 x 1.5	1/2"
DKOL-18-90-DN16	M26 x 1.5	5/8"
DKOL-22-90-DN16	M30 x 2	5/8"
DKOL-22-90-DN19	M30 x 2	3/4"
DKOL-28-90-DN19	M36 x 2	3/4"
DKOL-28-90-DN25	M36 x 2	1"
DKOL-35-90-DN31	M45 x 2	1.1/4"
DKOL-42-90-DN38	M52 x 2	1.1/2"

Tech Sheet 60600



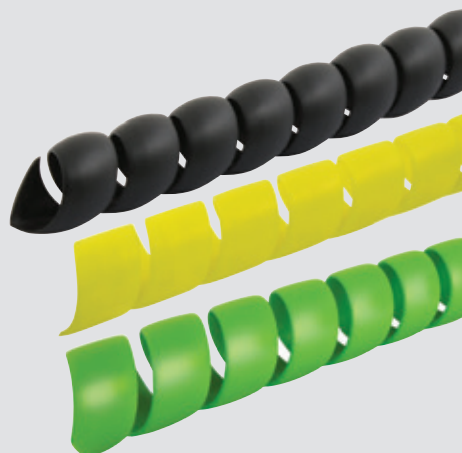
**45° Metric Female
24° Cone Seat,
L Series with O-Ring DIN 2353**

0044	Thread	To Suit Hose ID
DKOL-06-45-DN05	M12 x 1.5	3/16"
DKOL-06-45-DN06	M12 x 1.5	1/4"
DKOL-08-45-DN05	M14 x 1.5	3/16"
DKOL-08-45-DN06	M14 x 1.5	1/4"
DKOL-08-45-DN08	M14 x 1.5	5/16"
DKOL-10-45-DN06	M16 x 1.5	1/4"
DKOL-10-45-DN08	M16 x 1.5	5/16"
DKOL-10-45-DN10	M16 x 1.5	3/8"
DKOL-12-45-DN06	M18 x 1.5	1/4"
DKOL-12-45-DN08	M18 x 1.5	5/16"
DKOL-12-45-DN10	M18 x 1.5	3/8"
DKOL-12-45-DN12	M18 x 1.5	1/2"
DKOL-15-45-DN10	M22 x 1.5	3/8"
DKOL-15-45-DN12	M22 x 1.5	1/2"
DKOL-18-45-DN12	M26 x 1.5	1/2"
DKOL-18-45-DN16	M26 x 1.5	5/8"
DKOL-22-45-DN16	M30 x 2	5/8"
DKOL-22-45-DN19	M30 x 2	3/4"
DKOL-28-45-DN19	M36 x 2	3/4"
DKOL-28-45-DN25	M36 x 2	1"
DKOL-35-45-DN31	M45 x 2	1.1/4"
DKOL-42-45-DN38	M52 x 2	1.1/2"

Tech Sheet 60599



**For Polypropylene
Protective Hose Sleeves**
see pages 47-48



HYDRAULIC STAINLESS STEEL ADAPTORS & HOSE FITTINGS

Metric Heavy Series

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)



Metric Male 24° Cone Seat, S Series DIN 2353

0044	Thread	To Suit Hose ID
CES-06-DN06	M14 x 1.5	1/4"
CES-08-DN06	M16 x 1.5	1/4"
CES-10-DN06	M18 x 1.5	1/4"
CES-10-DN08	M18 x 1.5	5/16"
CES-10-DN10	M18 x 1.5	3/8"
CES-12-DN08	M20 x 1.5	5/16"
CES-12-DN10	M20 x 1.5	3/8"
CES-14-DN08	M22 x 1.5	5/16"
CES-14-DN10	M22 x 1.5	3/8"
CES-16-DN10	M24 x 1.5	3/8"
CES-16-DN12	M24 x 1.5	1/2"
CES-20-DN12	M30 x 2	1/2"
CES-20-DN16	M30 x 2	5/8"
CES-20-DN19	M30 x 2	3/4"
CES-25-DN19	M36 x 2	3/4"
CES-25-DN25	M36 x 2	1"
CES-38-DN31	M52 x 2	1.1/4"
CES-30-DN25	M42 x 2	1"

Tech Sheet 60602



Metric Female 24° Cone Seat, S Series, DIN 2353

0044	Thread	To Suit Hose ID
DKOS-06-DN05	M14 x 1.5	3/16"
DKOS-06-DN06	M14 x 1.5	1/4"
DKOS-08-DN05	M16 x 1.5	3/16"
DKOS-08-DN06	M16 x 1.5	1/4"
DKOS-08-DN08	M16 x 1.5	5/16"
DKOS-08-DN10	M16 x 1.5	3/8"
DKOS-10-DN06	M18 x 1.5	1/4"
DKOS-10-DN08	M18 x 1.5	5/16"
DKOS-10-DN10	M18 x 1.5	3/8"
DKOS-12-DN06	M20 x 1.5	1/4"
DKOS-12-DN08	M20 x 1.5	5/16"
DKOS-12-DN10	M20 x 1.5	3/8"
DKOS-12-DN12	M20 x 1.5	1/2"
DKOS-14-DN08	M22 x 1.5	5/16"
DKOS-14-DN10	M22 x 1.5	3/8"
DKOS-16-DN06	M24 x 1.5	1/4"
DKOS-16-DN08	M24 x 1.5	5/16"
DKOS-16-DN10	M24 x 1.5	3/8"
DKOS-16-DN12	M24 x 1.5	1/2"
DKOS-16-DN16	M24 x 1.5	5/8"
DKOS-20-DN10	M30 x 2	3/8"
DKOS-20-DN12	M30 x 2	1/2"
DKOS-20-DN16	M30 x 2	5/8"
DKOS-20-DN19	M30 x 2	3/4"
DKOS-25-DN12	M36 x 2	1/2"
DKOS-25-DN16	M36 x 2	5/8"
DKOS-25-DN19	M36 x 2	3/4"
DKOS-25-DN25	M36 x 2	1"
DKOS-30-DN19	M42 x 2	3/4"
DKOS-30-DN25	M42 x 2	1"
DKOS-38-DN25	M52 x 2	1"
DKOS-38-DN31	M52 x 2	1.1/4"
DKOS-50-DN38	M68 x 2	1.1/2"

Tech Sheet 60605

90° Metric Female 24° Cone Seat, S Series with O-Ring, DIN 2353



0044	Thread	To Suit Hose ID
DKOS-06-90-DN06	M14 x 1.5	1/4"
DKOS-08-90-DN06	M16 x 1.5	1/4"
DKOS-08-90-DN08	M16 x 1.5	5/16"
DKOS-10-90-DN06	M18 x 1.5	1/4"
DKOS-10-90-DN08	M18 x 1.5	5/16"
DKOS-10-90-DN10	M18 x 1.5	3/8"
DKOS-12-90-DN06	M20 x 1.5	1/4"
DKOS-12-90-DN08	M20 x 1.5	5/16"
DKOS-12-90-DN10	M20 x 1.5	3/8"
DKOS-12-90-DN12	M20 x 1.5	1/2"
DKOS-14-90-DN10	M22 x 1.5	3/8"
DKOS-16-90-DN10	M24 x 1.5	3/8"
DKOS-16-90-DN12	M24 x 1.5	1/2"
DKOS-20-90-DN12	M30 x 2	1/2"
DKOS-20-90-DN16	M30 x 2	5/8"
DKOS-20-90-DN19	M30 x 2	3/4"
DKOS-25-90-DN19	M36 x 2	3/4"
DKOS-25-90-DN25	M36 x 2	1"
DKOS-30-90-DN19	M42 x 2	3/4"
DKOS-30-90-DN25	M42 x 2	1"
DKOS-38-90-DN25	M52 x 2	1"
DKOS-38-90-DN31	M52 x 2	1.1/4"

Tech Sheet 60604



45° Metric Female 24° Cone Seat, S Series with O-Ring, DIN 2353

0044	Thread	To Suit Hose ID
DKOS-06-45-DN06	M14 x 1.5	1/4"
DKOS-08-45-DN06	M16 x 1.5	1/4"
DKOS-08-45-DN08	M16 x 1.5	5/16"
DKOS-10-45-DN06	M18 x 1.5	1/4"
DKOS-10-45-DN08	M18 x 1.5	5/16"
DKOS-10-45-DN10	M18 x 1.5	3/8"
DKOS-12-45-DN06	M20 x 1.5	1/4"
DKOS-12-45-DN08	M20 x 1.5	5/16"
DKOS-12-45-DN10	M20 x 1.5	3/8"
DKOS-12-45-DN12	M20 x 1.5	1/2"
DKOS-14-45-DN10	M22 x 1.5	3/8"
DKOS-16-45-DN10	M24 x 1.5	3/8"
DKOS-16-45-DN12	M24 x 1.5	1/2"
DKOS-20-45-DN12	M30 x 2	1/2"
DKOS-20-45-DN16	M30 x 2	5/8"
DKOS-20-45-DN19	M30 x 2	3/4"
DKOS-25-45-DN19	M36 x 2	3/4"
DKOS-25-45-DN25	M36 x 2	1"
DKOS-30-45-DN19	M42 x 2	3/4"
DKOS-30-45-DN25	M42 x 2	1"
DKOS-38-45-DN25	M52 x 2	1"
DKOS-38-45-DN31	M52 x 2	1.1/4"

Tech Sheet 60603



For **Hose Retention System**
see pages **42-43**

HYDRAULIC STAINLESS STEEL ADAPTORS & HOSE FITTINGS

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)

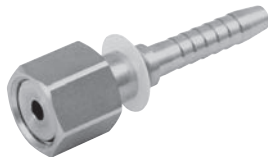


ORFS



Male (O-Ring Face) Inserts

0044	Thread	To Suit Hose ID
ORFSM0404SS	9/16"	1/4"
ORFSM0606SS	11/16"	3/8"
ORFSM0808SS	13/16"	1/2"
ORFSM1010SS	1"	5/8"
ORFSM1212SS	1.3/16"	3/4"
ORFSM1616SS	1.7/16"	1"
ORFSM2020SS	1.11/16"	1.1/4"
ORFSM2424SS	2"	1.1/2"
Tech Sheet 60610		



Female Swept 90° Elbow Inserts

0044	Thread	To Suit Hose ID
ORFSF049004SS	9/16"	1/4"
ORFSF069004SS	11/16"	1/4"
ORFSF069005SS	11/16"	5/16"
ORFSF069006SS	11/16"	3/8"
ORFSF089006SS	13/16"	3/8"
ORFSF089008SS	13/16"	1/2"
ORFSF109010SS	1"	5/8"
ORFSF109012SS	1"	3/4"
ORFSF129012SS	1.7/16"	3/4"
ORFSF169012SS	1.7/16"	3/4"
ORFSF169016SS	1.7/16"	1"
ORFSF209020SS	1.11/16"	1.1/4"
ORFSF209024SS	2"	1.1/2"
Tech Sheet 60609		



Female Swept 45° Elbow Inserts

0044	Thread	To Suit Hose ID
ORFSF044504SS	9/16"	1/4"
ORFSF064504SS	11/16"	1/4"
ORFSF064505SS	11/16"	5/16"
ORFSF064506SS	11/16"	3/8"
ORFSF084506SS	13/16"	3/8"
ORFSF084508SS	13/16"	1/2"
ORFSF104510SS	1"	5/8"
ORFSF104512SS	1"	3/4"
ORFSF124512SS	1.7/16"	3/4"
ORFSF164516SS	1.7/16"	1"
ORFSF204520SS	1.11/16"	1.1/4"
ORFSF204524SS	2"	1.1/2"
Tech Sheet 60608		

Female Inserts

0044	Thread	To Suit Hose ID
ORFSF0404SS	9/16"	1/4"
ORFSF0604SS	11/16"	1/4"
ORFSF0605SS	11/16"	5/16"
ORFSF0606SS	11/16"	3/8"
ORFSF0806SS	13/16"	3/8"
ORFSF0808SS	13/16"	1/2"
ORFSF1008SS	1"	1/2"
ORFSF1010SS	1"	5/8"
ORFSF1012SS	1"	3/4"
ORFSF1208SS	1.3/16"	1/2"
ORFSF1210SS	1.3/16"	5/8"
ORFSF1212SS	1.7/16"	3/4"
ORFSF1612SS	1.7/16"	3/4"
ORFSF1616SS	1.7/16"	1"
ORFSF2020SS	1.11/16"	1.1/4"
ORFSF2424SS	2"	1.1/2"
Tech Sheet 60607		

Jet Wash Female



M22 x 1.5

0044	To Suit Hose ID
DKO-KA-DN06	1/4"
DKO-KA-DN08	5/16"
DKO-KA-DN10	3/8"
DKO-KA-DN12	1/2"
Tech Sheet 60627	

Banjos



Bolt, Metric

0044	Thread
HS-M10X1	M10 x 1
HS-M12X1.5	M12 x 1.5
HS-M14X1.5	M14 x 1.5
HS-M16X1.5	M16 x 1.5
HS-M18X1.5	M18 x 1.5
HS-M22X1.5	M22 x 1.5
HS-M26X1.5	M26 x 1.5
Tech Sheet 60606	

Bolt, Imperial

0044	Thread
HS-G1/8	1/8"
HS-G1/4	1/4"
HS-G3/8	3/8"
HS-G1/2	1/2"
HS-G3/4	3/4"
Tech Sheet 60606	



Inserts, Metric/Imperial

0044	Thread	Thread	To Suit Hose ID
RGN-10-DN06	M10 x 1	1/8"	1/4"
RGN-10-DN08	M10 x 1	1/8"	5/16"
RGN-12-DN06	M12 x 1.5	-	1/4"
RGN-12-DN08	M12 x 1.5	-	5/16"
RGN-14-DN06	M14 x 1.5	-	1/4"
RGN-1/4-DN06	-	1/4"	1/4"
RGN-14-DN08	M14 x 1.5	-	5/16"
RGN-14-DN10	M14 x 1.5	-	3/8"
RGN-16-DN08	M16 x 1.5	3/8"	5/16"
RGN-16-DN10	M16 x 1.5	3/8"	3/8"
RGN-16-DN12	M16 x 1.5	3/8"	1/2"
RGN-18-DN10	M18 x 1.5	-	3/8"
RGN-1/2-DN10	-	1/2"	3/8"
RGN-1/2-DN12	-	1/2"	1/2"
RGN-18-DN12	M18 x 1.5	-	1/2"
RGN-22-DN12	M22 x 1.5	-	1/2"
RGN-22-DN16	M22 x 1.5	-	5/8"
RGN-26-DN19	M26 x 1.5	3/4"	3/4"
Tech Sheet 60611			

HYDRAULIC STAINLESS STEEL ADAPTORS & HOSE FITTINGS

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)



Standpipes



Straight, L Series

0044	OD mm	To Suit Hose ID
BEL-06-DN05	6	3/16"
BEL-06-DN06	6	1/4"
BEL-08-DN05	8	3/16"
BEL-08-DN06	8	1/4"
BEL-08-DN08	8	5/16"
BEL-10-DN08	10	5/16"
BEL-10-DN10	10	3/8"
BEL-12-DN10	12	3/8"
BEL-12-DN12	12	1/2"
BEL-15-DN10	15	3/8"
BEL-15-DN12	15	1/2"
BEL-18-DN12	18	1/2"
BEL-18-DN16	18	5/8"
BEL-22-DN16	22	5/8"
BEL-22-DN19	22	3/4"
BEL-28-DN25	28	1"
BEL-35-DN31	35	1.1/4"
BEL-42-DN38	42	1.1/2"

Tech Sheet 60615

Straight, S Series

0044	OD mm	To Suit Hose ID
BES-06-DN05	6	3/16"
BES-06-DN06	6	1/4"
BES-08-DN06	8	1/4"
BES-08-DN08	8	5/16"
BES-10-DN06	10	1/4"
BES-10-DN08	10	5/16"
BES-10-DN10	10	3/8"
BES-12-DN06	12	1/4"
BES-12-DN08	12	5/16"
BES-12-DN10	12	3/8"
BES-12-DN12	12	1/2"
BES-14-DN10	14	3/8"
BES-16-DN12	16	1/2"
BES-20-DN12	20	1/2"
BES-20-DN16	20	5/8"
BES-20-DN19	20	3/4"
BES-25-DN19	25	3/4"
BES-25-DN25	25	1"
BES-30-DN25	30	1"
BES-38-DN31	38	1.1/4"

Tech Sheet 60616

Straight, Imperial

0044	OD	To Suit Hose ID
BE-14-DN06	1/4"	1/4"
BE-516-DN08	5/16"	5/16"
BE-38-DN10	3/8"	3/8"
BE-12-DN12	1/2"	1/2"
BE-58-DN16	5/8"	5/8"
BE-34-DN19	3/4"	3/4"
BE-1-DN25	1"	1"
BE-114-DN31	1.1/4"	1.1/4"
BE-112-DN38	1.1/2"	1.1/2"

Tech Sheet 60612



Swept 90°, L Series

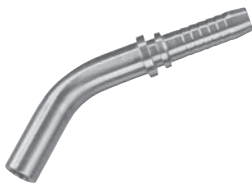
0044	OD mm	To Suit Hose ID
BEL-06-90-DN05	6	3/16"
BEL-06-90-DN06	6	1/4"
BEL-08-90-DN06	8	1/4"
BEL-10-90-DN06	10	1/4"
BEL-10-90-DN08	10	5/16"
BEL-10-90-DN10	10	3/8"
BEL-12-90-DN08	12	5/16"
BEL-12-90-DN10	12	3/8"
BEL-12-90-DN12	12	1/2"
BEL-15-90-DN12	15	1/2"
BEL-18-90-DN16	18	5/8"
BEL-22-90-DN19	22	3/4"
BEL-28-90-DN25	28	1"
BEL-35-90-DN31	35	1.1/4"
BEL-42-90-DN38	42	1.1/2"

Tech Sheet 60614

Swept 90°, S Series

0044	OD mm	To Suit Hose ID
BES-06-90-DN05	6	3/16"
BES-06-90-DN06	6	1/4"
BES-08-90-DN06	8	1/4"
BES-10-90-DN06	10	1/4"
BES-10-90-DN08	10	5/16"
BES-10-90-DN10	10	3/8"
BES-12-90-DN08	12	5/16"
BES-12-90-DN10	12	3/8"
BES-14-90-DN10	14	3/8"
BES-16-90-DN12	16	1/2"
BES-20-90-DN16	20	5/8"
BES-25-90-DN19	25	3/4"
BES-30-90-DN25	30	1"
BES-38-90-DN31	38	1.1/4"

Tech Sheet 60614



Swept 45°, L Series

0044	OD mm	To Suit Hose ID
BEL-06-45-DN05	6	3/16"
BEL-06-45-DN06	6	1/4"
BEL-08-45-DN06	8	1/4"
BEL-10-45-DN06	10	1/4"
BEL-10-45-DN08	10	5/16"
BEL-10-45-DN10	10	3/8"
BEL-12-45-DN08	12	5/16"
BEL-12-45-DN10	12	3/8"
BEL-15-45-DN12	15	1/2"
BEL-18-45-DN16	18	5/8"
BEL-22-45-DN19	22	3/4"
BEL-28-45-DN25	28	1"
BEL-35-45-DN31	35	1.1/4"
BEL-42-45-DN38	42	1.1/2"

Tech Sheet 60613

Swept 45°, S Series

0044	OD mm	To Suit Hose ID
BES-06-45-DN05	6	3/16"
BES-06-45-DN06	6	1/4"
BES-08-45-DN06	8	1/4"
BES-10-45-DN06	10	1/4"
BES-10-45-DN08	10	5/16"
BES-10-45-DN10	10	3/8"
BES-12-45-DN08	12	5/16"
BES-14-45-DN10	14	3/8"
BES-16-45-DN12	16	1/2"
BES-20-45-DN16	20	5/8"
BES-25-45-DN19	25	3/4"
BES-30-45-DN25	30	1"
BES-38-45-DN31	38	1.1/4"

Tech Sheet 60613



For Hose & Assemblies
see page 15

HYDRAULIC STAINLESS STEEL ADAPTORS & HOSE FITTINGS

stainless
steel



° Stainless Steel 1.4571 Working Temperature:
-60°C to +400°C (DIN 17 440, AD W 10)



SAE 3000 psi (3k)



Straight Flanges

0044	Flange ND	To Suit Hose ID
SFL3-1/2-DN12	1/2"	1/2"
SFL3-1/2-DN16	1/2"	5/8"
SFL3-3/4-DN12	3/4"	1/2"
SFL3-3/4-DN16	3/4"	5/8"
SFL3-3/4-DN19	3/4"	3/4"
SFL3-1-DN19	1"	3/4"
SFL3-1-DN25	1"	1"
SFL3-1 1/4-DN25	1.1/4"	1"
SFL3-1 1/4-DN31	1.1/4"	1.1/4"
SFL3-1 1/2-DN31	1.1/2"	1.1/4"
SFL3-1 1/2-DN38	1.1/2"	1.1/2"
SFL3-2-DN38	2"	1.1/2"
SFL3-2-DN51	2"	2"

Tech Sheet 60618



90° Flanges

0044	Flange ND	To Suit Hose ID
SFL3-1/2-90-DN12	1/2"	1/2"
SFL3-1/2-90-DN16	1/2"	5/8"
SFL3-3/4-90-DN12	3/4"	1/2"
SFL3-3/4-90-DN16	3/4"	5/8"
SFL3-3/4-90-DN19	3/4"	3/4"
SFL3-1-90-DN19	1"	3/4"
SFL3-1-90-DN25	1"	1"
SFL3-1 1/4-90-DN25	1.1/4"	1"
SFL3-1 1/4-90-DN31	1.1/4"	1.1/4"
SFL3-1 1/2-90-DN31	1.1/2"	1.1/4"
SFL3-1 1/2-90-DN38	1.1/2"	1.1/2"
SFL3-2-90-DN38	2"	1.1/2"
SFL3-2-90-DN51	2"	2"

Tech Sheet 60620



45° Flanges

0044	Flange ND	To Suit Hose ID
SFL3-1/2-45-DN12	1/2"	1/2"
SFL3-1/2-45-DN16	1/2"	5/8"
SFL3-3/4-45-DN12	3/4"	1/2"
SFL3-3/4-45-DN16	3/4"	5/8"
SFL3-3/4-45-DN19	3/4"	3/4"
SFL3-1-45-DN19	1"	3/4"
SFL3-1-45-DN25	1"	1"
SFL3-1 1/4-45-DN25	1.1/4"	1"
SFL3-1 1/4-45-DN31	1.1/4"	1.1/4"
SFL3-1 1/2-45-DN31	1.1/2"	1.1/4"
SFL3-1 1/2-45-DN38	1.1/2"	1.1/2"
SFL3-2-45-DN38	2"	1.1/2"
SFL3-2-45-DN51	2"	2"

Tech Sheet 60619

SAE 6000 psi (6k)



Straight Flanges

0044	Flange ND	To Suit Hose ID
SFS6-1/2-DN12	1/2"	1/2"
SFS6-1/2-DN16	1/2"	5/8"
SFS6-3/4-DN12	3/4"	1/2"
SFS6-3/4-DN16	3/4"	5/8"
SFS6-3/4-DN19	3/4"	3/4"
SFS6-1-DN19	1"	3/4"
SFS6-1-DN25	1"	1"
SFS6-1 1/4-DN25	1.1/4"	1"
SFS6-1 1/4-DN31	1.1/4"	1.1/4"
SFS6-1 1/2-DN31	1.1/2"	1.1/4"
SFS6-1 1/2-DN38	1.1/2"	1.1/2"
SFS6-2-DN38	2"	1.1/2"
SFS6-2-DN51	2"	2"

Tech Sheet 60618



90° Flanges

0044	Flange ND	To Suit Hose ID
SFS6-1/2-90-DN12	1/2"	1/2"
SFS6-1/2-90-DN16	1/2"	5/8"
SFS6-3/4-90-DN12	3/4"	1/2"
SFS6-3/4-90-DN16	3/4"	5/8"
SFS6-3/4-90-DN19	3/4"	3/4"
SFS6-1-90-DN19	1"	3/4"
SFS6-1-90-DN25	1"	1"
SFS6-1 1/4-90-DN25	1.1/4"	1"
SFS6-1 1/4-90-DN31	1.1/4"	1.1/4"
SFS6-1 1/2-90-DN31	1.1/2"	1.1/4"
SFS6-1 1/2-90-DN38	1.1/2"	1.1/2"
SFS6-2-90-DN38	2"	1.1/2"
SFS6-2-90-DN51	2"	2"

Tech Sheet 60620



45° Flanges

0044	Flange ND	To Suit Hose ID
SFS6-1/2-45-DN12	1/2"	1/2"
SFS6-1/2-45-DN16	1/2"	5/8"
SFS6-3/4-45-DN12	3/4"	1/2"
SFS6-3/4-45-DN16	3/4"	5/8"
SFS6-3/4-45-DN19	3/4"	3/4"
SFS6-1-45-DN19	1"	3/4"
SFS6-1-45-DN25	1"	1"
SFS6-1 1/4-45-DN25	1.1/4"	1"
SFS6-1 1/4-45-DN31	1.1/4"	1.1/4"
SFS6-1 1/2-45-DN31	1.1/2"	1.1/4"
SFS6-1 1/2-45-DN38	1.1/2"	1.1/2"
SFS6-2-45-DN38	2"	1.1/2"
SFS6-2-45-DN51	2"	2"

Tech Sheet 60619



Split Flanges

0044	Flange Size	Bolt Type Metric	Bolt Type UNC
FLH-3-1/2	1/2"	M8 x 25	5/16" x 1.1/4"
FLH-3-3/4	3/4"	M10 x 30	3/8" x 1.1/4"
FLH-3-1	1"	M10 x 30	3/8" x 1.1/4"
FLH-3-1.1/4	1.1/4"	M10 x 30	7/16" x 1.1/2"
FLH-3-1.1/2	1.1/2"	M12 x 35	1/2" x 1.1/2"
FLH-3-2	2"	M12 x 35	1/2" x 1.1/2"

Tech Sheet 60617

Split Flanges

0044	Flange Size	Bolt Type Metric	Bolt Type UNC
FLH-6-1/2	1/2"	M8 x 30	5/16" x 1.1/4"
FLH-6-3/4	3/4"	M10 x 35	3/8" x 1.1/4"
FLH-6-1	1"	M12 x 45	-
FLH-6-1.1/4	1.1/4"	M14 x 50	-
FLH-6-1.1/2	1.1/2"	M16 x 55	5/8" x 2"
FLH-6-2	2"	M20 x 65	3/4" x 2.1/2"

Tech Sheet 60617

Sold as halves, two halves required for each flange insert.

Sold as halves, two halves required for each flange insert.

Bolts, washers and O-rings are not included and must be purchased separately



PUSH STYLE HOSE SYSTEM

This range of quality hose and fittings has been designed and tested to fully comply to the specification of our SAE 100R6 hose.

The self grip style tail eliminates the requirement for swaged ferrules.

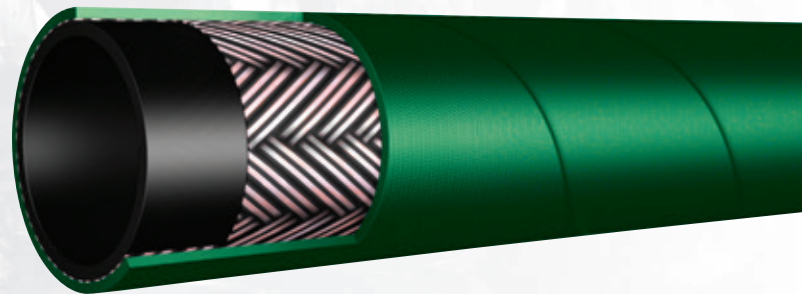
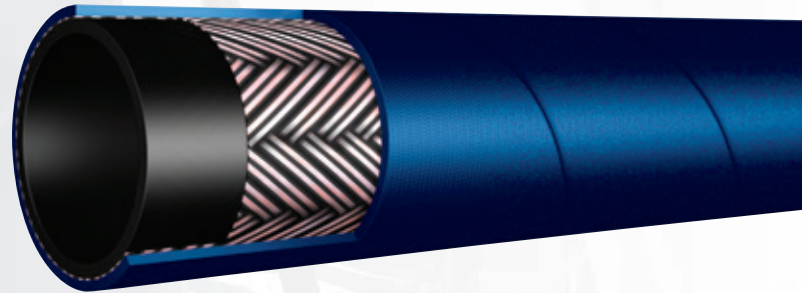
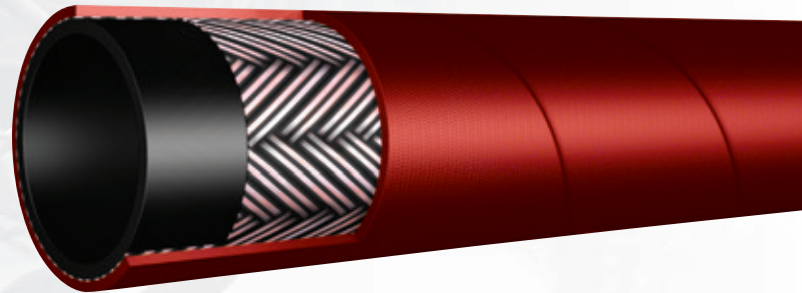
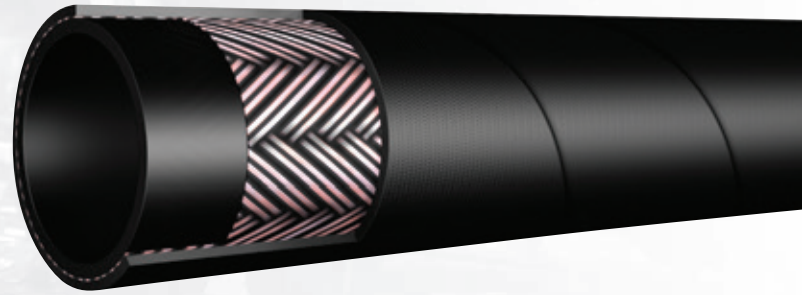
Hoses are available in a range of four colours, with standard end configurations of Metric DIN 2523, BSPP and JIC with A3C plated steel (other thread types and materials available upon request).

BENEFITS OF PUSH STYLE SYSTEM:

- High quality, complete low pressure hose system
- Fittings fully reusable
- No tooling required for assembly
- Fittings available in steel (stainless steel and brass available upon request)
- Static conducting hose available upon request
- System suitable for use with hydraulic oil, water, compressed air and water glycol based fluids at low pressure

FOUR COLOURS AS STANDARD FOR:

- Easy identification
- Identification of a particular medium by colour selected
- Colour-coded maintenance intervals



100R6-04-50 - EN854 - SAE 100R6 - 1/4" - 06MM -

 **Working Temperature:**
-40°C to +100°C.

 **Maximum Working Pressure:**
28 bar

HYDRAULIC HOSE RANGE



Oil Return/Fuel Hose SAE 100R6

100R6 Hose

Application:
Low pressure hydraulic applications, for use with push style fittings. See page 40

Specification:
SAE100 R6, exceeds EN854

Construction:
Inner tube: oil resistant synthetic rubber (Nbr)
Reinforcement: 1 single textile yarn braid
Outer cover: oil and weather resistant synthetic rubber

Recommended Fluids:
Hose suitable for petroleum based hydraulic oil and water-glycol based fluids, air and water

Available per 1 metre

Working Temperature:
-40°C to +100°C.

50 Metre Coils, Black

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R6-04-50	1/4"	13.5	28	65	112
100R6-05-50	5/16"	15.1	28	75	112
100R6-06-50	3/8"	16.7	28	75	112
100R6-08-50	1/2"	20.6	28	100	112
100R6-10-50	5/8"	23.8	24	125	98

Page Tech Sheet 5010



25 Metre Coils, Black

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R6-12-25	3/4"	27.8	21	150	84
100R6-16-25	1"	32.5	20	205	80

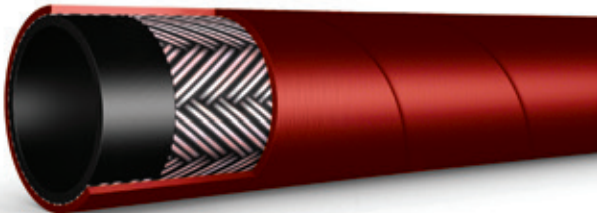
Page Tech Sheet 5010



50 Metre Coils, Red

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R6-04-R-50	1/4"	13.5	28	65	112
100R6-06-R-50	3/8"	16.7	28	75	112
100R6-08-R-50	1/2"	20.6	28	100	112

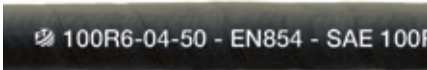
Page Tech Sheet 5010



25 Metre Coils, Red

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R6-12-R-25	3/4"	27.8	21	150	84
100R6-16-R-25	1"	32.5	20	205	80

Page Tech Sheet 5010



Oil Return/Fuel Hose SAE 100R6

100R6 Hose

Application:
Low pressure hydraulic applications,
for use with push style fittings. See page 40

Specification:
SAE100 R6, exceeds EN854

Construction:
Inner tube: oil resistant synthetic rubber (NBR)
Reinforcement: 1 single textile yarn braid
Outer cover: oil and weather resistant synthetic rubber

Recommended Fluids:
Hose suitable for petroleum based hydraulic oil
and water-glycol based fluids, air and water

Available per 1 metre

 **Working Temperature:**
-40°C to +100°C

50 Metre Coils, Blue

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R6-04-B-50	1/4"	13.5	28	65	112
100R6-06-B-50	3/8"	16.7	28	75	112
100R6-08-B-50	1/2"	20.6	28	100	112

Page Tech Sheet 5010

25 Metre Coils, Blue

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R6-12-B-25	3/4"	27.8	21	150	84
100R6-16-B-25	1"	32.5	20	205	80

Page Tech Sheet 5010

50 Metre Coils, Green

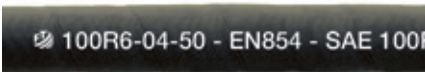
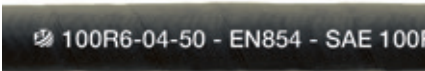
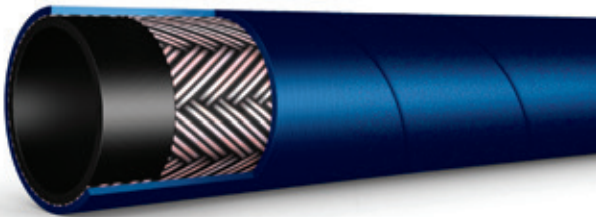
0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R6-04-G-50	1/4"	13.5	28	65	112
100R6-06-G-50	3/8"	16.7	28	75	112
100R6-08-G-50	1/2"	20.6	28	100	112

Page Tech Sheet 5010

25 Metre Coils, Green

0303	ID	OD mm	Max Pressure Bar	Bend Radius mm	Burst Pressure Bar
100R6-12-G-25	3/4"	27.8	21	150	84
100R6-16-G-25	1"	32.5	20	205	80

Page Tech Sheet 5010



PUSH STYLE HOSE SYSTEM

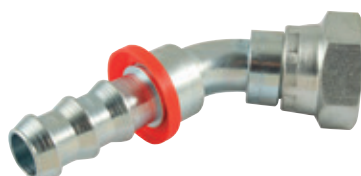


BSPB



Female

0309	Thread	To Suit Hose ID
PSBF0404CF	1/4"	1/4"
PSBF0606CF	3/8"	3/8"
PSBF0808CF	1/2"	1/2"
PSBF1212CF	3/4"	3/4"
PSBF1616CF	1"	1"



45° Elbow

0309	Thread	To Suit Hose ID
PSBF044504CF	1/4"	1/4"
PSBF064506CF	3/8"	3/8"
PSBF084508CF	1/2"	1/2"
PSBF124512CF	3/4"	3/4"
PSBF164516CF	1"	1"



90° Elbow

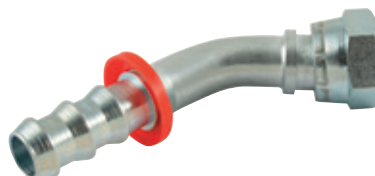
0309	Thread	To Suit Hose ID
PSBF049004CF	1/4"	1/4"
PSBF069006CF	3/8"	3/8"
PSBF089008CF	1/2"	1/2"
PSBF129012CF	3/4"	3/4"
PSBF169016CF	1"	1"

Metric Light



Female

0309	Thread	To Suit Hose ID
PSMFL06-04CF	6L (M12 x 1.5)	1/4"
PSMFL08-04CF	8L (M14 x 1.5)	1/4"
PSMFL10-06CF	10L (M16 x 1.5)	3/8"
PSMFL12-06CF	12L (M18 x 1.5)	3/8"
PSMFL15-08CF	15L (M22 x 1.5)	1/2"
PSMFL22-12CF	22L (M30 x 2.0)	3/4"



45° Elbow

0309	Thread	To Suit Hose ID
PSMFL06-45-04CF	6L (M12 x 1.5)	1/4"
PSMFL08-45-04CF	8L (M14 x 1.5)	1/4"
PSMFL10-45-06CF	10L (M16 x 1.5)	3/8"
PSMFL12-45-06CF	12L (M18 x 1.5)	3/8"
PSMFL15-45-08CF	15L (M22 x 1.5)	1/2"
PSMFL22-45-12CF	22L (M30 x 2.0)	3/4"



90° Elbow

0309	Thread	To Suit Hose ID
PSMFL06-90-04CF	6L (M12 x 1.5)	1/4"
PSMFL08-90-04CF	8L (M14 x 1.5)	1/4"
PSMFL10-90-06CF	10L (M16 x 1.5)	3/8"
PSMFL12-90-06CF	12L (M18 x 1.5)	3/8"
PSMFL15-90-08CF	15L (M22 x 1.5)	1/2"
PSMFL22-90-12CF	22L (M30 x 2.0)	3/4"

JIC



Female

0309	Thread	To Suit Hose ID
PSJF0404CF	7/16"	1/4"
PSJF0606CF	9/16"	3/8"
PSJF0808CF	3/4"	1/2"
PSJF1212CF	1.1/16"	3/4"



45° Elbow

0309	Thread	To Suit Hose ID
PSJF044504CF	7/16"	1/4"
PSJF064506CF	9/16"	3/8"
PSJF084508CF	3/4"	1/2"
PSJF124512CF	1.1/16"	3/4"



90° Elbow

0309	Thread	To Suit Hose ID
PSJF049004CF	7/16"	1/4"
PSJF069006CF	9/16"	3/8"
PSJF089008CF	3/4"	1/2"
PSJF129012CF	1.1/16"	3/4"

Designed and tested to work to the full specification of the 100R6 hose.

Mild Steel Reusable Fittings



BSPP Male

0300	To Suit Hose ID	Thread
2024-8746	1/4"	1/4"
2024-8761	3/8"	3/8"
2024-8779	1/2"	1/2"
2024-8787	5/8"	5/8"
2024-8795	3/4"	3/4"
2024-8803	1"	1"



BSPP Female

0300	To Suit Hose ID	Thread
2024-8811	1/4"	1/4"
2182-7985	1/4"	3/8"
2182-7977	3/8"	1/4"
2024-8829	3/8"	3/8"
2182-7993	3/8"	1/2"
2024-8837	1/2"	1/2"
2024-8845	5/8"	5/8"
2024-8852	3/4"	3/4"
2024-8860	1"	1"



BSPP Female, 45° Elbow

0300	To Suit Hose ID	Thread
2182-8009	1/4"	1/4"
2024-8944	3/8"	3/8"
2024-8951	1/2"	1/2"
2024-8969	5/8"	5/8"
2182-8025	1"	1"



BSPP Female, 90° Elbow

0300	To Suit Hose ID	Thread
2024-8878	1/4"	1/4"
2024-8886	3/8"	3/8"
2024-8894	1/2"	1/2"
2024-8902	5/8"	5/8"
2024-8910	3/4"	3/4"
2024-8928	1"	1"



BSPP, Female Compact 90° Elbow

0300	To Suit Hose ID	Thread
2182-8033	1/4"	1/4"
2182-8041	3/8"	3/8"
2182-8058	1/2"	1/2"



JIC, Male

0300	To Suit Hose ID	Thread
2036-7330	1/4"	1/2"
2036-7355	3/8"	9/16"
2182-8215	1/2"	7/8"
2182-8223	3/4"	1.1/16"
2182-8231	1"	1.5/16"



JIC, Female

0300	To Suit Hose ID	Thread
2036-7405	1/4"	7/16"
2182-8173	1/4"	1/2"
2036-7413	1/4"	9/16"
2036-7439	3/8"	9/16"
2036-7447	3/8"	3/4"
2036-7454	1/2"	3/4"
2182-8181	1/2"	7/8"
2182-8199	3/4"	1.1/16"
2182-8207	1"	1.5/16"



JIC, Female 90° Elbow

0300	To Suit Hose ID	Thread
2036-7504	1/4"	7/16"
2036-7520	1/4"	9/16"
2182-8249	3/8"	9/16"
2182-8256	3/8"	3/4"
2036-7538	1/2"	3/4"
2182-8272	1/2"	7/8"
2036-7579	3/4"	1.3/16"
2182-8280	3/4"	1.1/16"
2182-8306	1"	1.5/16"

Stainless Steel Reusable Inserts

stainless steel



Swivel Female Insert, BSPP

0044	To Suit Hose ID	Thread
RU0404FSS	1/4"	1/4"
RU0606FSS	3/8"	3/8"
RU0808FSS	1/2"	1/2"
RU1616FSS	1"	1"

Mild Steel Reusable Ferrules



R1AT Non-skive

0300	To Suit Hose ID
2028-5078	1/4"
2028-5086	3/8"
2028-5094	1/2"
2028-5102	5/8"
2028-5110	3/4"
2028-5128	1"



R2AT Non-skive

0300	To Suit Hose ID
2024-8993	1/4"
2024-9009	3/8"
2024-9017	1/2"
2024-9025	5/8"
2024-9033	3/4"
2024-9041	1"



R1A Skive

0300	To Suit Hose ID
2182-8066	1/4"
2182-8074	3/8"
2182-8082	1/2"
2182-8108	1"



R2A Skive

0300	To Suit Hose ID
2182-8116	1/4"
2182-8124	3/8"
2182-8132	1/2"
2182-8140	3/4"
2182-8157	1"

Stainless Steel Reusable Sockets

stainless steel



R1AT, Reusable Socket

0044	To Suit Hose ID
R1-04SS	1/4"
R1-06SS	3/8"
R1-08SS	1/2"
R1-16SS	1"