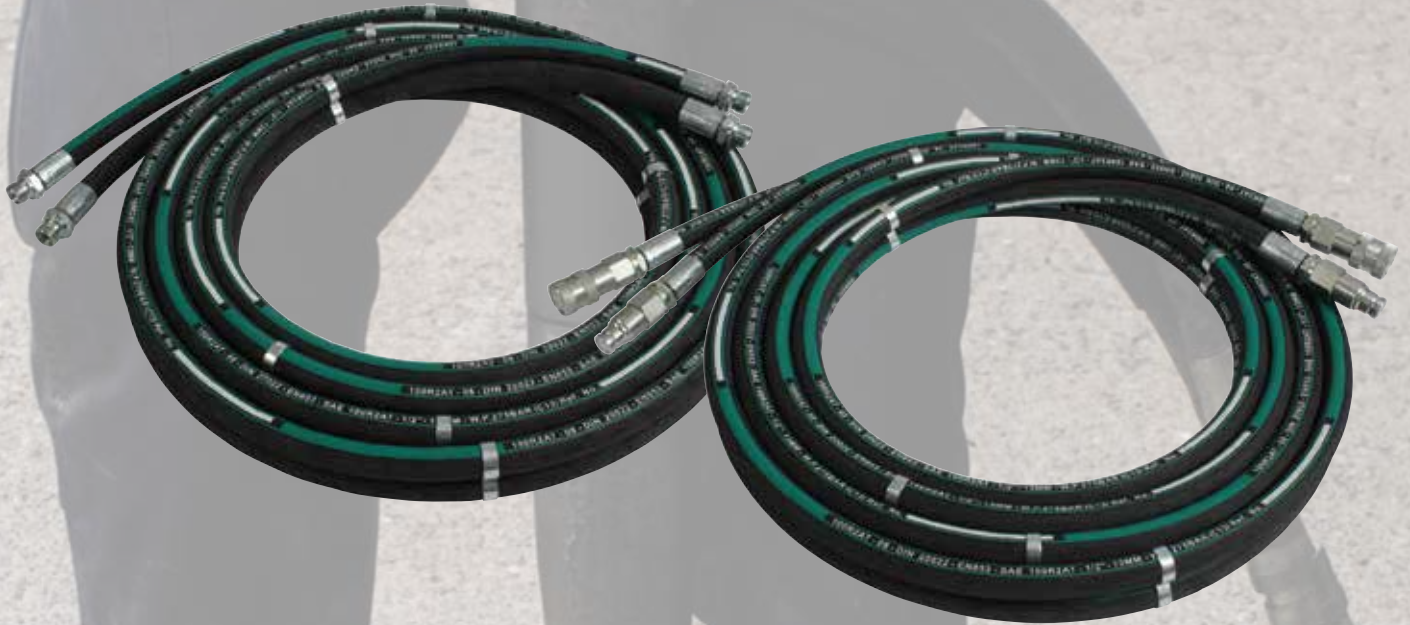


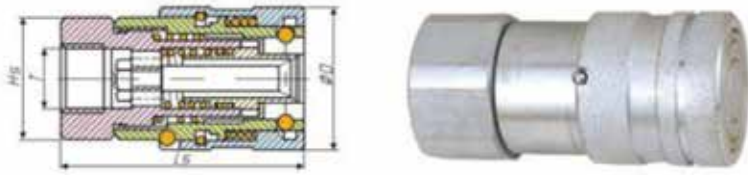
Breaker Hoses Assemblies



- 2 x 1/2" EN853-2, DIN20022 (Exceeds SAE 100R2AT) hydraulic hose complete with 1/2" BSPP 60° coned male ends clamped together.
- Working pressure of the assembly 275 bar without Quick Release Couplings
- Available ISO 16028 Interchange couplings if required (Standard Breaker Hose QRC's)
- Bespoke assemblies - Leader hoses to 100 metre coils and various end terminations are available



Flat Face Coupling (Carbon Steel) ISO-16028



Art. No.	DN	Size	Ls	ΦD	Hs	T
HKSFF04CS	7.0	04SF	48	28	S22	1/4"BSPP
HKSFF06CS	9.0	06SF	64.5	32	S27	3/8"BSPP
HKSFF0608CS	9.0	06SF	69.5	32	S27	1/2"BSPP
HKSFF08CS	13.0	08SF	73.5	38	S32	1/2"BSPP
HKSFF12CS	13.0	08SF	80.5	38	S36	3/4"BSPP
HKSFF1212CS	17.0	12SF	93	48	S41	3/4"BSPP
HKSFF16CS	17.0	12SF	93	48	S41	1"BSPP
HKSFF1616CS	21.0	16SF	93.5	56.5	S46	1"BSPP
HKSFF2016CS	21.0	16SF	93.5	56.5	S50	1-1/4"BSPP

Temperature Range

Coupler Rated Max. Working Pressure:

- 1/4" :315BAR(4567PSI)
- 3/8" :250BAR(3625PSI)
- 1/2" :250BAR(3625PSI)
- 5/8" :250BAR(3625PSI)
- 3/4" :250BAR(3625PSI)
- 1" :200BAR(2900PSI)

Connected Rated Max. Working Pressure:

- 1/4" :315BAR(4567PSI)
- 3/8" :250BAR(3625PSI)
- 1/2" :250BAR(3625PSI)
- 5/8" :250BAR(3625PSI)
- 3/4" :250BAR(3625PSI)
- 1" :200BAR(2900PSI)

Material:

Coupler Body: Steel, Trivalent Plated

Springs:C98 Balls: GCr15

Seals: Buna-N(Nitrile)

Back-Up Ring: PTFE

Surface treatment: Zinc plating and Cr 3+ Passivation or Yellow Passivation

Attention:

Only plug and socket with the same thread fit together

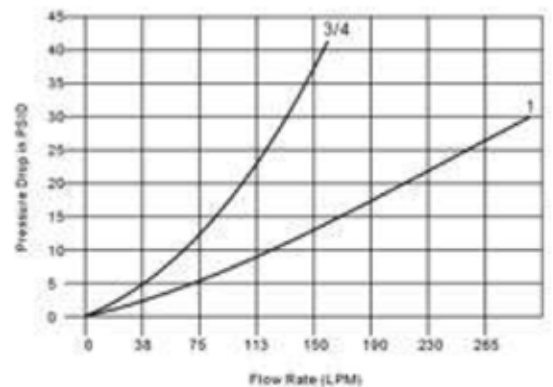
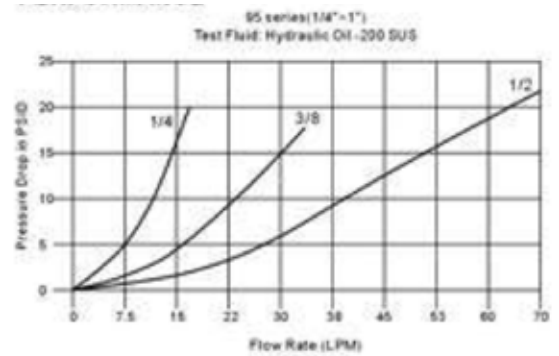
Application:

These series of couplings are widely used in the public utility market where hydraulic oil spillage can constitute a serious safety hazard, particularly in overhead bucket hoists that are used for maintenance of high-voltage power transmission lines. These couplings are also used for quick change of hydraulic tools in construction, railway maintenance and mining industries. The ease of cleaning makes them ideal for use in these types of hostile environments.

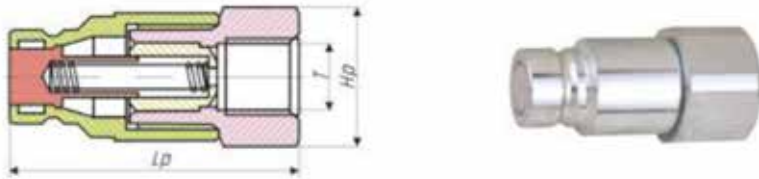
Interchange

Faster 2FFI Series, Hansen QA29000 Series, Parker FE Series, Aeroquip FD 89 Series, DNP PLT4 Series, Stucchi Firg Series, Safeway Ff49 Series

Performance



Flat Face Coupling (Carbon Steel) ISO-16028 & HTMA Standard



Art. No.	DN	Size	Lp	Hp	T
HKPFF04CS	7.0	04PF	48	S22	1/4"BSPP
HKPFF06CS	9.0	06PF	60	S27	3/8"BSPP
HKPFF0608CS	9.0	06PF	63	S27	1/2"BSPP
HKPFF08CS	13.0	08PF	68	S32	1/2"BSPP
HKPFF12CS	13.0	08PF	70.5	S36	3/4"BSPP
HKPFF1212CS	17.0	12PF	82.5	S41	3/4"BSPP
HKPFF16CS	17.0	12PF	82.5	S41	1"BSPP
HKPFF1616CS	21.0	16PF	82.5	S46	1"BSPP
HKPFF2016CS	21.0	16PF	82.5	S50	1-1/4"BSPP

Temperature Range

-20°C+120°C/-4°F+250°F

With standard seals: Buna-N (Nitrile)

-20°C+175°C/-4°F+347°F

Plug Rated Max. Working Pressure

- 1/4" :350BAR(5075PSI)
- 3/8" :350BAR(5075PSI)
- 1/2" :300BAR(4350PSI)
- 3/4" :300BAR(4350PSI)
- 1" :210BAR(3045PSI)

Material:

Coupler Body: Steel, Trivalent Plated

Springs: C98

Balls: GCr15

Seals: Buna-N(Nitrile)

Back-Up Ring: PTFE

Surface treatment: Zinc plating and Cr 3+ Passivation or Yellow Passivation

Application:

These series of couplings are widely used in the public utility market where hydraulic oil spillage can constitute a serious safety hazard, particularly in overhead bucket hoists that are used for maintenance of high-voltage power transmission lines. These couplings are also used for quick change of hydraulic tools in construction, railway maintenance and mining industries. The ease of cleaning makes them ideal for use in these types of hostile environments.

Interchange

Faster 2FFI Series, Hansen QA29000 Series, Parker FE Series, Aeroquip FD 89 Series, DNP PLT4 Series, Stucchi Firg Series, Safeway S56 Series

EN853-2, DIN20022, 2 Wire Hydraulic Hose (Exceeds SAE 100R2AT)



EN853 - 2 - DIN20022 - 51mm - SAE 100R2AT - 2" - 51MM - W.P. 80 BAR (B09)

Ref. No.

Application:

- Medium pressure hydraulic applications

*colour coding has now been phased in

**smooth cover available on requests

Specification:

- EN853-2, DIN20022 (Exceeds SAE 100R2AT)



Working Temperature:

-40°C to +100°C

Construction:

- Inner Tuber: Oil resistant synthetic rubber (SBR)
- Reinforcement: 2 single steel wire braids
- Outer cover: Oil & Weather resistant synthetic rubber

Recommended Fluids:

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

Part Number	Size			i.D		Wire Dimension		OD 2SN	Working Pressure		Pulse Pressure		Burst Pressure		Bend Radius		Weight
	mm	inch	SAE	min	max	min	max	max	Mpa	psi	Mpa	psi	Mpa	psi	Inch	mm	Kg/mtr
100R2AT-04	6.3	1/4	-4	6.2	7.0	12.1	13.3	15.7	40	5800	80	11600	160	23200	3.94	100	0.36
100R2AT-05	8	5/16	-5	7.7	8.5	13.7	14.9	17.3	35	50.75	70	10150	140	20300	4.53	115	0.45
100R2AT-06	10	3/8	-6	9.3	10.1	16.1	17.3	19.7	33	4785	66	9570	132	19140	5.12	130	0.54
100R2AT-08	12.5	1/2	-8	12.3	13.5	19.0	20.6	23.0	27.5	3990	55	7975	110	15950	7.09	180	0.68
100R2AT-10	16	5/8	-10	15.5	16.7	22.2	23.8	26.2	25	3625	50	7250	100	14500	7.87	200	0.80
100R2AT-12	19	3/4	-12	18.6	19.8	26.2	27.8	30.1	21.5	3120	43	6235	85	12325	9.45	240	0.94
100R2AT-16	25	1	-16	25.0	26.4	34.1	35.7	38.9	16.5	2390	32.5	4710	65	9425	11.81	300	1.35
100R2AT-20	31.5	1.1/4	-20	31.4	33.0	43.3	45.7	49.5	12.5	1810	25	3625	50	7250	16.54	420	2.15
100R2AT-24	38	1.1/2	-24	37.7	39.3	49.6	52.0	55.9	9	1305	18	2310	36	5220	19.69	500	2.65
100R2AT-32	51	2	-32	50.4	52.0	62.3	64.7	68.6	8	1160	16	2320	32	4640	24.80	630	3.4