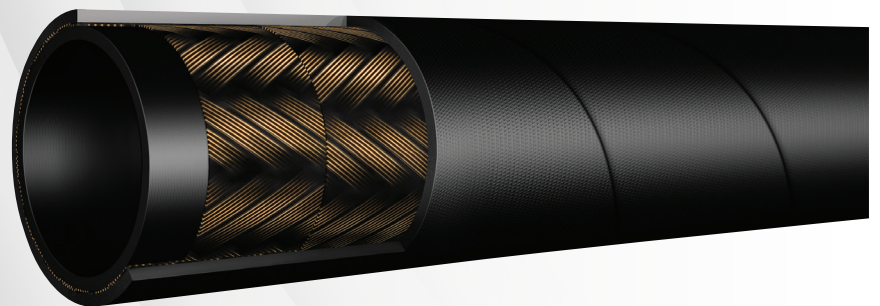


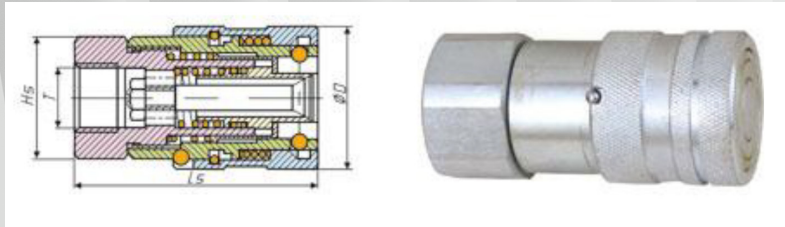
# Hydraulic Hose Range

## Breaker Hose 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



Part. No.	DN	Size	Ls	ØD	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

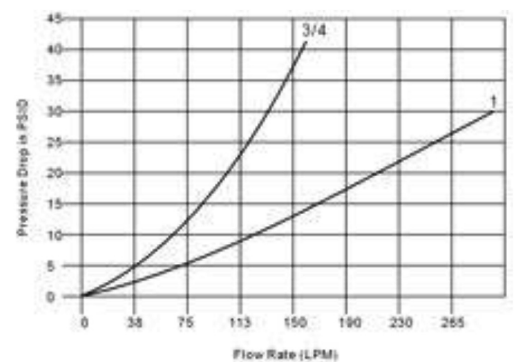
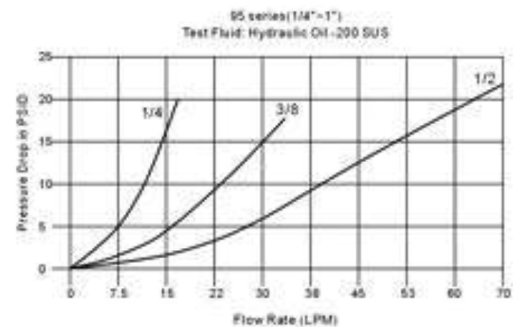
### Application:

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

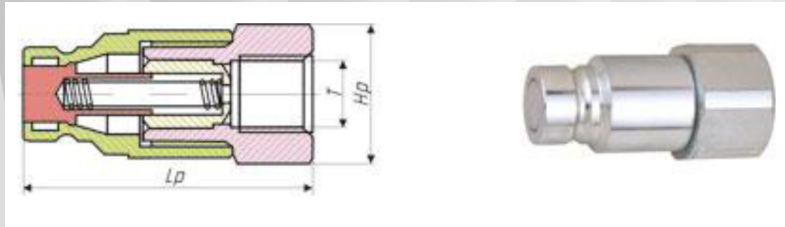
Faster 2FFI Series, Hansen QA29000 Series, Parker FE Series, Aeroquip FD 89 Series, DNP PLT4 Series, Stucchi Firg Series, Safeway Ff49 Series

### Performance



# Hydraulic Hose Range

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



Part 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

# Hydraulic Hose Range

## EN853, DIN20022, SAE100R2AT (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



100R2AT - 04 - DIN 20022 - EN853 - SAE 100R2AT - 1/4" - 06MM - W.P. 400 BAR MSHA IC-267 (Q3 24)

Part Number	Size			ID		OD 2SN	Working Pressure		Burst Pressure		Bend Radius		Weight	Crimping Dimensions	Size in mm	Tail ID Top Tolerance	Tail ID Bottom Tolerance	Crimped No Go	Crimped Go
	mm	inch	SAE	min	max		bar	psi	bar	psi	Inch	mm							
100R2AT-03	4.7	3/16	-3	4.9	5	14.1	415	6019	1650	23931	3.54	90	0.32	FT3-12-03CF	16.4	2.89	3.05	2.80	2.93
100R2AT-04	6.3	1/4	-4	6.4	7	15.7	400	5800	1600	23200	3.94	100	0.36	FT3-12-04CF	18.1	3.86	3.67	3.67	3.45
100R2AT-05	8	5/16	-5	7.9	8.5	17.3	350	5075	1400	20300	4.53	115	0.45	FT3-12-05CF	19.7	5.29	5.11	5.11	4.91
100R2AT-06	10	3/8	-6	9.5	10.1	19.7	330	4785	1320	19140	5.12	130	0.54	FT3-12-06CF	22.1	6.78	6.42	6.42	6.13
100R2AT-08	12.5	1/2	-8	12.7	13.5	23	275	3990	1100	15950	7.09	180	0.68	FT3-12-08CF	24.6	9.21	8.86	8.86	8.4
100R2AT-10	16	5/8	-10	15.8	16.7	26.2	250	3625	1000	14500	7.87	200	0.8	FT3-12-10CF	28.2	12.09	11.59	11.59	10.99
100R2AT-12	19	3/4	-12	18.8	19.8	30.1	215	3120	860	12325	9.45	240	0.94	FT3-12-12CF	32.5	14.46	13.91	13.91	13.31
100R2AT-16	25	1	-16	25.4	26.4	38.9	165	2390	660	9425	11.81	300	1.35	FT3-12-16CF	40.3	18.89	18.29	18.29	17.68
100R2AT-20	31.5	1.1/4	-20	31.8	33	49.5	125	1810	500	7250	16.54	420	2.15	FT3-12-20CF	51.5	25.4	24.69	24.69	23.8
100R2AT-24	38	1.1/2	-24	38.1	39.3	55.9	90	1305	360	5220	19.69	500	2.65	FT3-12-24CF	59.7	31.4	30.6	30.6	29.8
100R2AT-32	51	2	-32	50.6	52	68.6	80	1160	320	4640	24.8	630	3.42	FT3-12-32CF	73.4	41.4	40.6	40.6	30.8