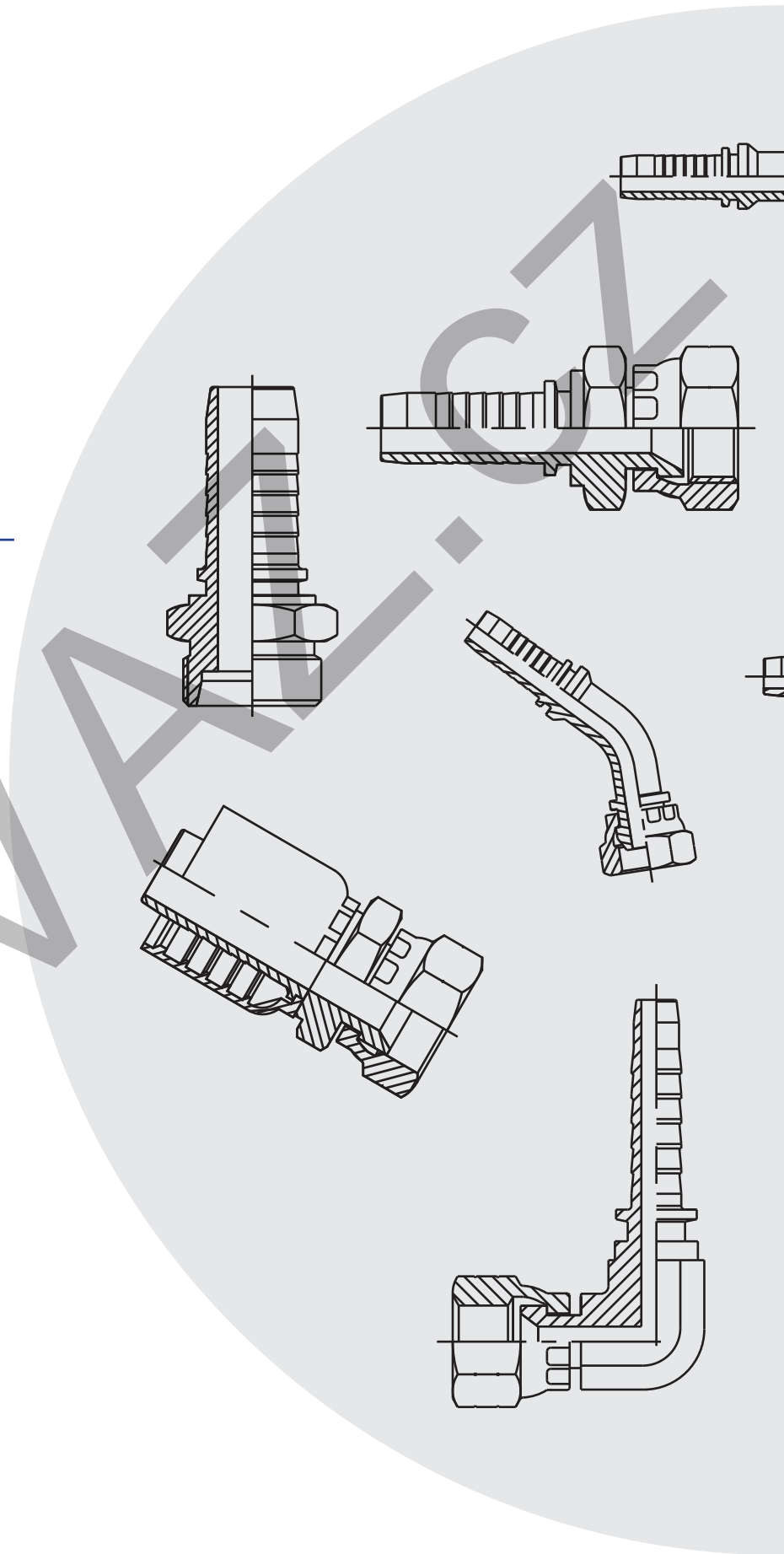
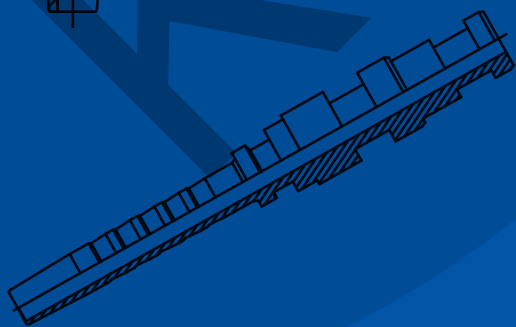
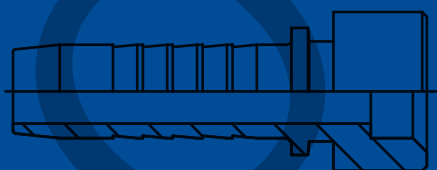
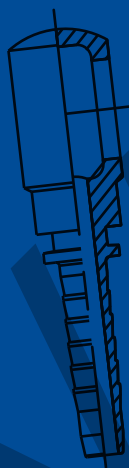
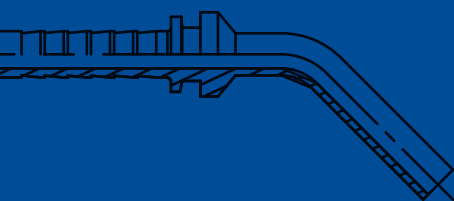
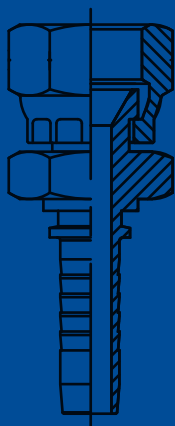


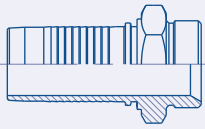
Standard Hydraulic Fittings

KOVALA





KOLVAN.CZ



Male BSP Parallel Pipe (AGR)
23.0100

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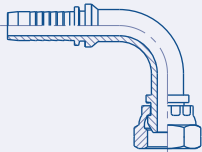
Female BSP Parallel Pipe Swivel (DKR)
23.3012

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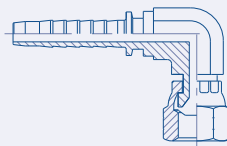
45° Swept Female BSP Parallel Pipe Swivel (DKR 45°)
23.3042

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90° Swept Female BSP Parallel Pipe Swivel (DKR 90°)
23.3092

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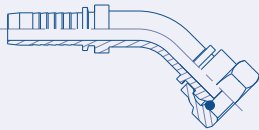
90° Swept Compact Female BSP Parallel Pipe Swivel
23.3082

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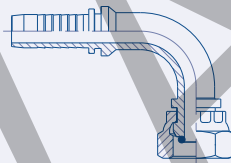
Female BSP Parallel Pipe with O-ring Swivel (DKOR)
23.3112

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45° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 45°)
23.3142

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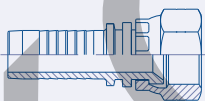
90° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 90°)
23.3192

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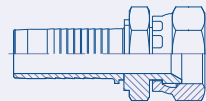
Male JIC 37° (AGJ)
23.2000

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Female JIC 37° Swivel (DKJ)
23.4012

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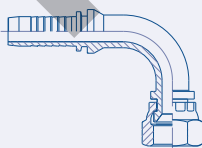
Female JIC 37° Swivel with Back Hexagon
23.4H12

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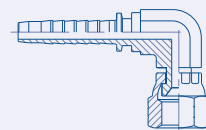
45° Swept Female JIC 37° Swivel (DKJ 45°)
23.4042

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90° Swept Female JIC 37° Swivel (DKJ 90°)
23.4092

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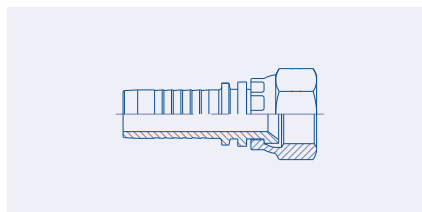
90° Compact Female JIC 37° Swivel
23.4082

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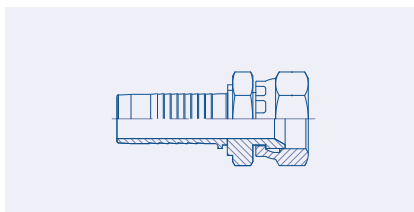
Male SAE 45°
23.2S00

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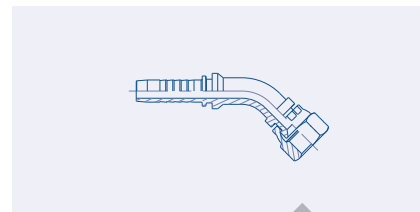
Female SAE 45° Swivel
23.4S12

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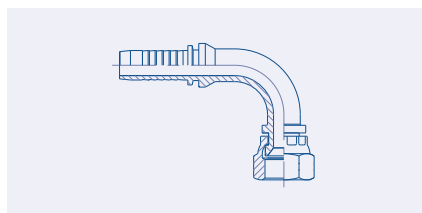
Female SAE 45° Swivel with Back Hexagon
23.SH12

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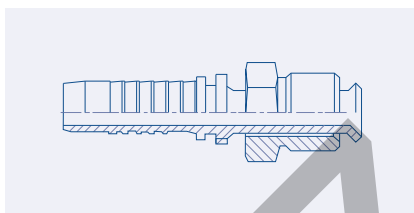
Female SAE 45° Swivel
23.4S42

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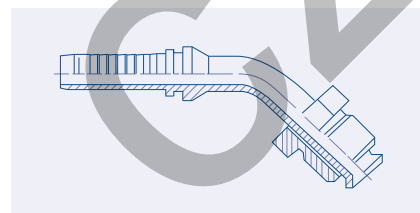
90° Swept Female SAE 45° Swivel
23.4S92

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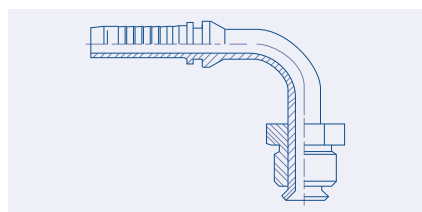
SAE Inverted 45° Flare Male
23.2210

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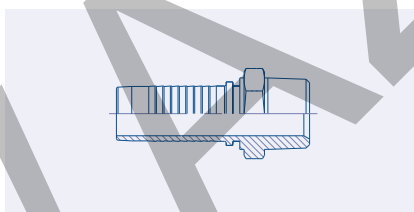
SAE Inverted 45° Flare 45° Elbow Male
23.2240

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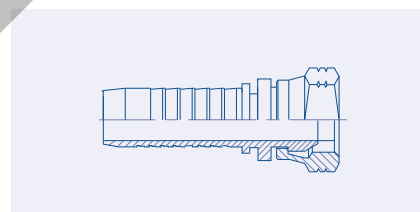
SAE Inverted 45° Flare 90° Elbow Male
23.2290

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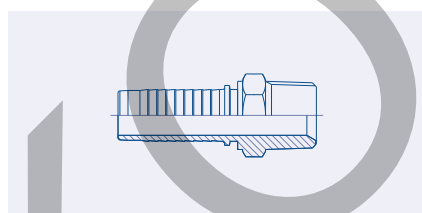
Male NPTF Pipe (AGN)
23.0400

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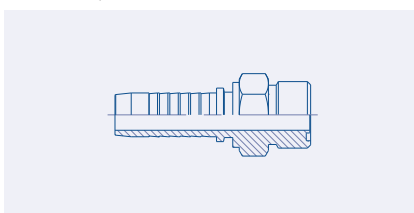
Female NPSM Pipe Swivel
23.3010

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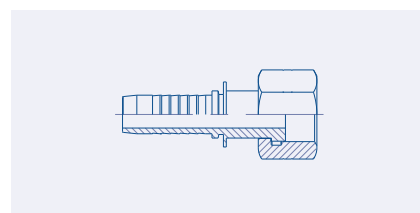
Male BSPT Taper Pipe (AGR-K)
23.0300

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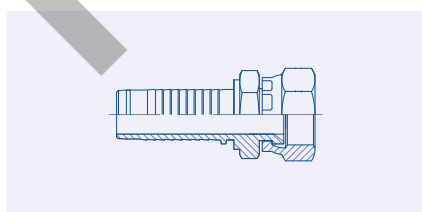
Male ORFS
23.4000

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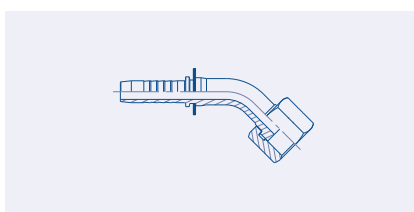
Female ORFS Swivel
23.4414

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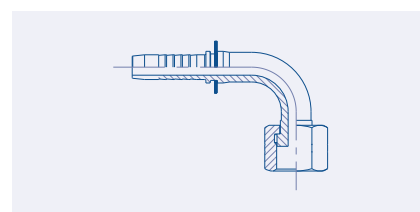
Female ORFS Swivel with Back Hexagon
23.44H4

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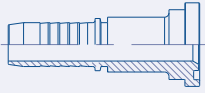
45° Swept Female ORFS Swivel
23.4444

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90° Swept Female ORFS Swivel
23.4494

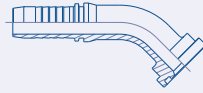
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**Straight SAE 3000 PSI
(code 61) Flange (SFL)**

23.7013

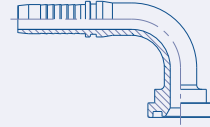
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**45° Swept SAE 3000 PSI
(code 61) Flange (SFL 45°)**

23.7043

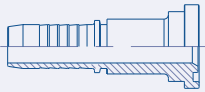
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**90° Swept SAE 3000 PSI
(code 61) Flange (SFL 90°)**

23.7093

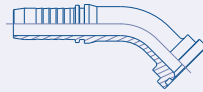
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**Straight SAE 6000 PSI
(code 62) Flange (SFS)**

23.7016

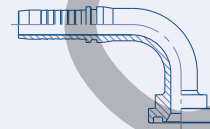
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**45° Swept SAE 6000 PSI
(code 62) Flange (SFS 45°)**

23.7046

pag. 61



**90° Swept SAE 6000 PSI
(code 62) Flange (SFS 90°)**

23.7096

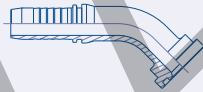
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Straight SUPERCAT Flange

23.7116

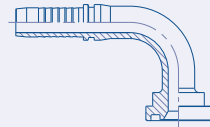
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45° Swept SUPERCAT Flange

23.7146

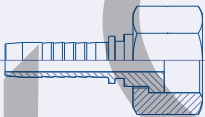
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90° Swept SUPERCAT Flange

23.7196

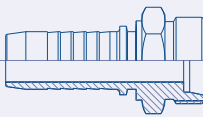
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Female BSP Flat Face Swivel

23.3212

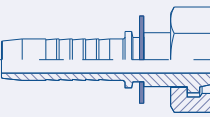
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**Male Metric Light Serie 24°
Cone Seat (CEL)**

23.1000

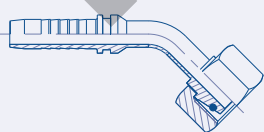
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**Female Metric Light Serie 24°
Cone Seat Swivel (DKOL)**

23.5013

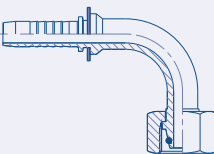
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**45° Swept Female Metric Light
Serie 24° Cone Seat Swivel
(DKOL 45)**

23.5043

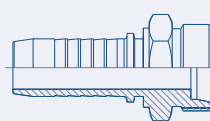
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**90° Swept Female Metric Light
Serie 24° Cone Seat Swivel
(DKOL 90)**

23.5093

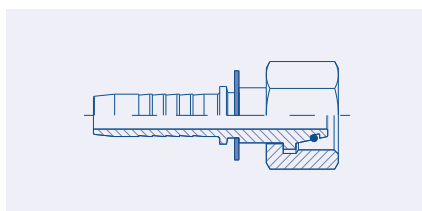
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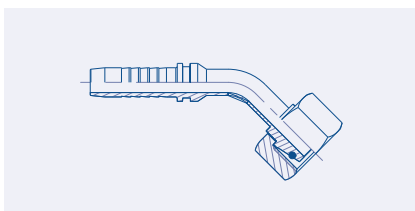
**Male Metric Heavy Serie 24°
Cone Seat (CES)**

23.1100

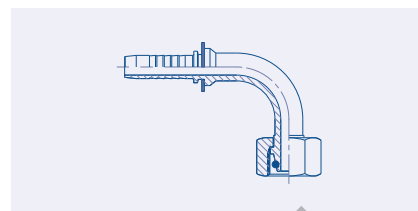
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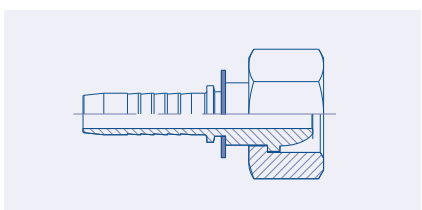
**Female Metric Heavy Serie 24°
Cone Seat Swivel (DKOS)**
23.5113 pag. 71



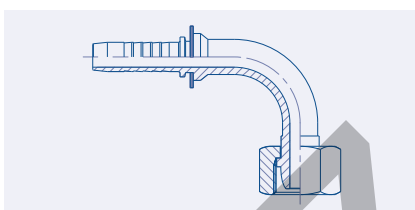
**45° Swept Female Metric Heavy
Serie 24° Cone Seat Swivel
(DKOS 45)** 23.5143 pag. 72



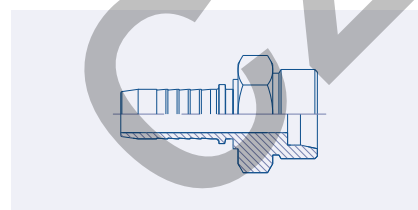
**90° Swept Female Metric Heavy
Serie 24° Cone Seat Swivel
(DKOS 90)** 23.5193 pag. 73



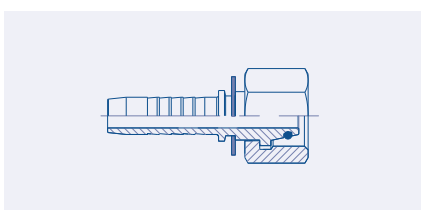
**Female Metric 24°/60°C
one Seat Swivel (DKL)**
23.5213 pag. 74



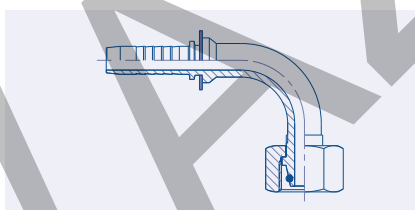
**90° Swept Female Metric 24°/60°C
Cone Seat Swivel (DKL)**
23.5293 pag. 74



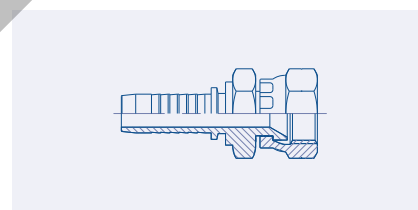
**Male Metric French Serie
24° Cone Seat (AGF)**
23.1200 pag. 75



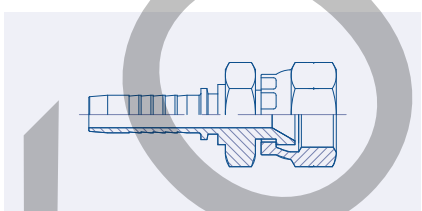
**Female Metric French Serie
24° Cone Seat Swivel (DKF)**
23.5513 pag. 75



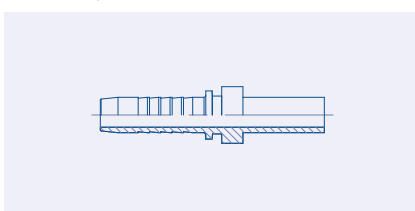
**90° Swept Female Metric French
Serie 24° Cone Seat Swivel
(DKF)** 23.5593 pag. 76



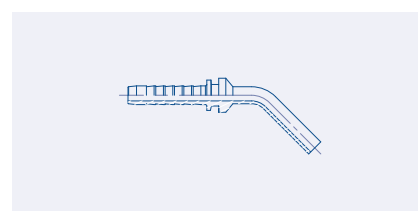
**Female JIS 60° Cone Seat Swivel
(TOYOTA)**
23.3712 pag. 76



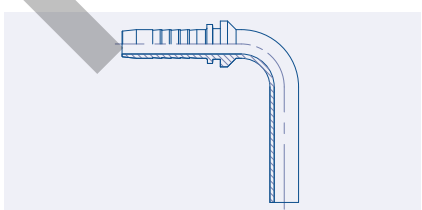
**Female JIS 60° Cone Seat Swivel
(KOMATSU)**
23.5911 pag. 77



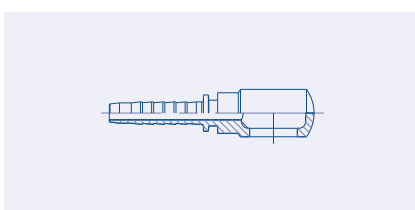
Metric Standpipe (BEL)
23.6000 pag. 78



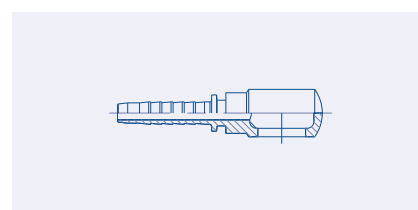
**45° Swept Metric Standpipe
(BEL 45)**
23.6040 pag. 79



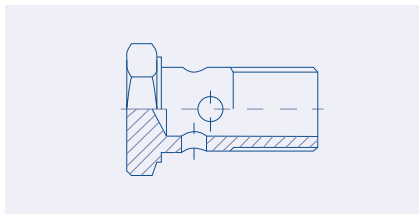
**90° Swept Metric Standpipe
(BEL 90)**
23.6090 pag. 80



Metric Banjo (RNM)
23.6400 pag. 81

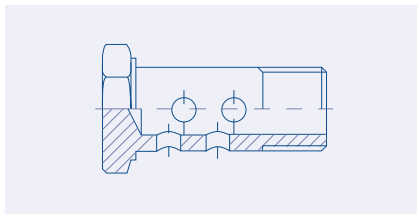


BSP Banjo (RNR)
23.6500 pag. 82



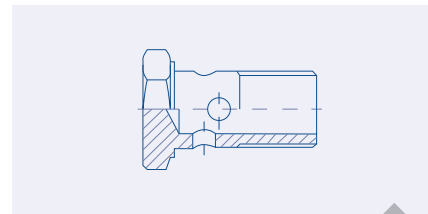
BSP Banjo Bolt
88.1600

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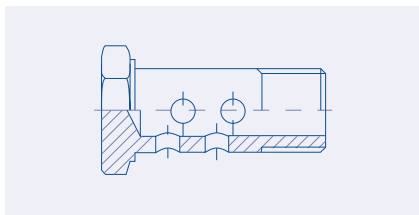
BSP Banjo Double Bolt
88.1602

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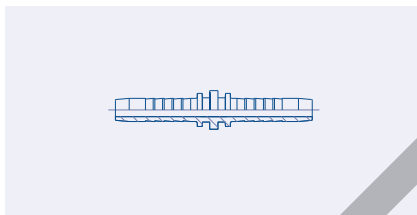
Metric Banjo Bolt
88.1650

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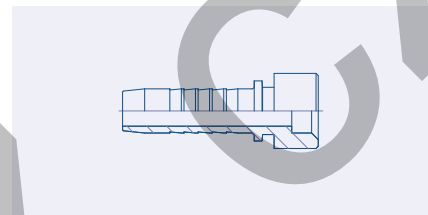
Metric Banjo Double Bolt
88.1652

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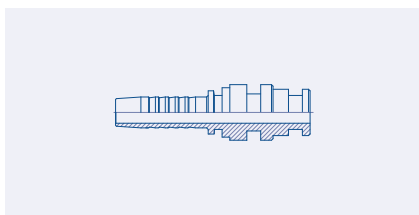
Hose Connector
23.8100

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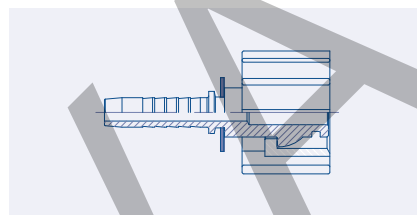
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23.8150

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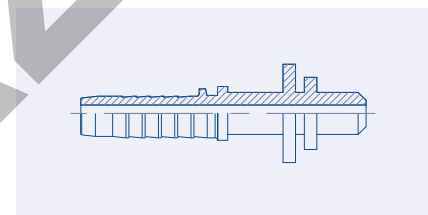
StapleLock Male
23.8300

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Balwash Female Swivel (Karcher)
23.6213

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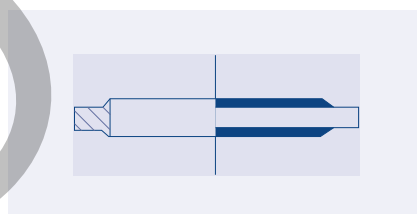
Balwash Standpipe wit O-ring (Karcher)
23.6214

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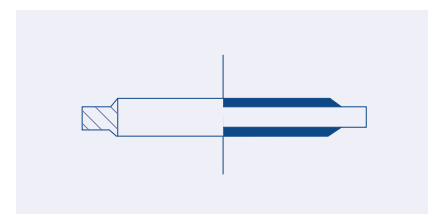
Balwash Rubber Handle
11.800

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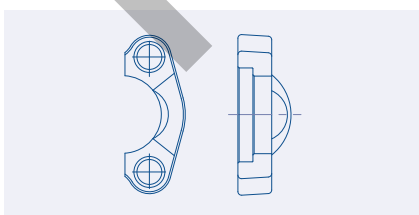
BSP Bonded Seals
88.2003

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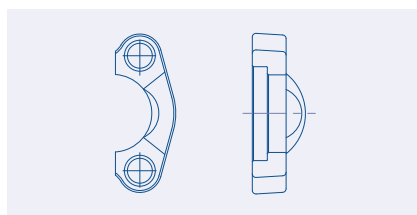
Metric Bonded Seals
88.2004

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Split Flange 3000 PSI (code 61)
88.5300

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Split Flange 6000 PSI (code 62)
88.5600

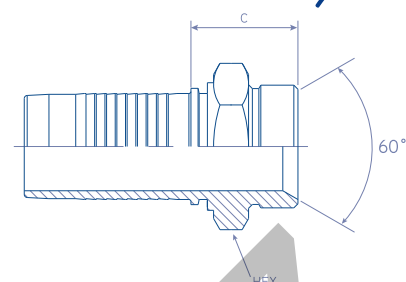
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Male BSP Parallel Pipe (AGR)

23.0100.

ISO 12151-6 / ISO 8434-6 / BS 5200



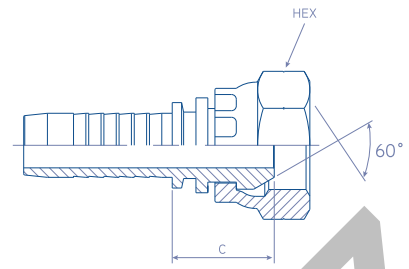
REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.0100.0302	-3	3/16"	1/8" - 28	23.0	14
23.0100.0304	-3	3/16"	1/4" - 19	27.0	19
23.0100.0402	-4	1/4"	1/8" - 28	22.2	14
23.0100.0404	-4	1/4"	1/4" - 19	26.2	19
23.0100.0406	-4	1/4"	3/8" - 19	28.7	22
23.0100.0408	-4	1/4"	1/2" - 14	33.2	27
23.0100.0504	-5	5/16"	1/4" - 19	26.5	19
23.0100.0506	-5	5/16"	3/8" - 19	29.0	22
23.0100.0508	-5	5/16"	1/2" - 14	33.5	27
23.0100.0604	-6	3/8"	1/4" - 19	26.5	19
23.0100.0606	-6	3/8"	3/8" - 19	29.0	22
23.0100.0608	-6	3/8"	1/2" - 14	33.5	27
23.0100.0806	-8	1/2"	3/8" - 19	29.5	22
23.0100.0808	-8	1/2"	1/2" - 14	33.5	27
23.0100.0810	-8	1/2"	5/8" - 14	36.5	30
23.0100.0812	-8	1/2"	3/4" - 14	39.5	32
23.0100.1008	-10	5/8"	1/2" - 14	34.5	27
23.0100.1010	-10	5/8"	5/8" - 14	36.0	30
23.0100.1012	-10	5/8"	3/4" - 14	39.5	32
23.0100.1212	-12	3/4"	3/4" - 14	39.2	32
23.0100.1216	-12	3/4"	1" - 11	44.2	41
23.0100.1616	-16	1"	1" - 11	45.0	41
23.0100.1620	-16	1"	1 1/4" - 11	48.0	50
23.0100.2020	-20	1 1/4"	1 1/4" - 11	49.5	50
23.0100.2024	-20	1 1/4"	1 1/2" - 11	52.0	55
23.0100.2424	-24	1 1/2"	1 1/2" - 11	52.0	55
23.0100.2432	-24	1 1/2"	2" - 11	57.5	70
23.0100.3232	-32	2"	2" - 11	57.5	70

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Female BSP Parallel Pipe Swivel (DKR)



23.3012.

ISO 12151-6 / ISO 8434-6 / BS 5200

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.3012.0302	-3	3/16"	1/8" - 28	16.0	14
23.3012.0304	-3	3/16"	1/4" - 19	18.5	19
23.3012.0402	-4	1/4"	1/8" - 28	15.2	14
23.3012.0404	-4	1/4"	1/4" - 19	17.7	19
23.3012.0406	-4	1/4"	3/8" - 19	18.7	22
23.3012.0408	-4	1/4"	1/2" - 14	20.7	27
23.3012.0504	-5	5/16"	1/4" - 19	18.0	19
23.3012.0506	-5	5/16"	3/8" - 19	19.5	22
23.3012.0508	-5	5/16"	1/2" - 14	21.0	27
23.3012.0604	-6	3/8"	1/4" - 19	18.0	19
23.3012.0606	-6	3/8"	3/8" - 19	19.5	22
23.3012.0608	-6	3/8"	1/2" - 14	21.0	27
23.3012.0806	-8	1/2"	3/8" - 19	19.5	22
23.3012.0808	-8	1/2"	1/2" - 14	21.5	27
23.3012.0810	-8	1/2"	5/8" - 14	22.0	30
23.3012.0812	-8	1/2"	3/4" - 14	21.0	27
23.3012.1008	-10	5/8"	1/2" - 14	22.5	27
23.3012.1010	-10	5/8"	5/8" - 14	23.0	30
23.3012.1012	-10	5/8"	3/4" - 14	23.5	32
23.3012.1212	-12	3/4"	3/4" - 14	23.7	32
23.3012.1216	-12	3/4"	1" - 11	22.7	38
23.3012.1616	-16	1"	1" - 11	26.5	38
23.3012.1620	-16	1"	1.1/4" - 11	29.0	50
23.3012.2020	-20	1.1/4"	1.1/4" - 11	30.5	50
23.3012.2024	-20	1.1/4"	1.1/2" - 11	30.0	55
23.3012.2424	-24	1.1/2"	1.1/2" - 11	32.0	55
23.3012.2432	-24	1.1/2"	2" - 11	34.0	70
23.3012.3232	-32	2"	2" - 11	34.0	70
23.3012.4040	-40	2.1/2"	2.1/2" - 11	41.0	90
23.3012.4848	-48	3"	3" - 11	47.0	100

MATERIAL: Carbon Steel

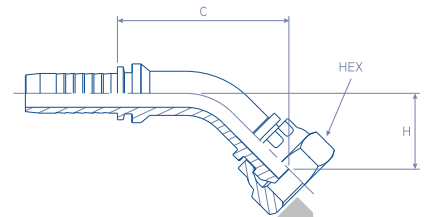
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)



45° Swept Female BSP Parallel Pipe Swivel (DKR 45°)



23.3042.

ISO 12151-6 / ISO 8434-6 / BS 5200

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.3042.0302	-3	3/16"	1/8" - 28	30.0	12.5	14
23.3042.0304	-3	3/16"	1/4" - 19	33.5	13.0	19
23.3042.0402	-4	1/4"	1/8" - 28	29.0	12.5	14
23.3042.0404	-4	1/4"	1/4" - 19	33.5	13.0	19
23.3042.0406	-4	1/4"	3/8" - 19	34.2	14.4	22
23.3042.0408	-4	1/4"	1/2" - 14	38.0	16.0	27
23.3042.0504	-5	5/16"	1/4" - 19	33.5	13.0	19
23.3042.0506	-5	5/16"	3/8" - 19	42.5	19.0	22
23.3042.0508	-5	5/16"	1/2" - 14	42.5	19.0	27
23.3042.0604	-6	3/8"	1/4" - 19	33.5	13.0	19
23.3042.0606	-6	3/8"	3/8" - 19	40.0	14.7	22
23.3042.0608	-6	3/8"	1/2" - 14	38.6	15.8	27
23.3042.0806	-8	1/2"	3/8" - 19	34.2	15.0	22
23.3042.0808	-8	1/2"	1/2" - 14	46.0	18.0	27
23.3042.0810	-8	1/2"	5/8" - 14	55.0	23.0	27
23.3042.0812	-8	1/2"	3/4" - 14	56.0	24.0	32
23.3042.1008	-10	5/8"	1/2" - 14	46.5	18.0	27
23.3042.1010	-10	5/8"	5/8" - 14	60.5	23.3	27
23.3042.1012	-10	5/8"	3/4" - 14	64.0	26.9	32
23.3042.1212	-12	3/4"	3/4" - 14	67.5	24.5	32
23.3042.1216	-12	3/4"	1" - 11	70.0	26.0	38
23.3042.1616	-16	1"	1" - 11	83.6	33.8	38
23.3042.1620	-16	1"	1 1/4" - 11	92.3	41.7	50
23.3042.2020	-20	1 1/4"	1 1/4" - 11	97.0	37.5	50
23.3042.2024	-20	1 1/4"	1 1/2" - 11	102.0	42.0	55
23.3042.2424	-24	1 1/2"	1 1/2" - 11	119.0	49.2	55
23.3042.2432	-24	1 1/2"	2" - 11	125.0	55.0	70
23.3042.3232	-32	2"	2" - 11	149.8	60.0	70

MATERIAL: Carbon Steel
FINISH: Chromium-(VI) Free plating / ROHS compliant

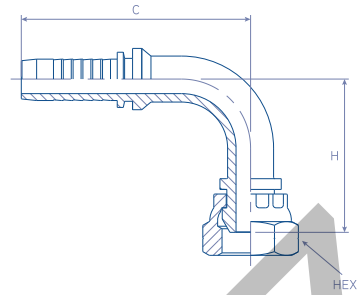
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

90° Swept Female BSP Parallel Pipe Swivel (DKR 90°)

23.3092.

ISO 12151-6 / ISO 8434-6 / BS 5200



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.3092.0302	-3	3/16"	1/8" - 28	25.5	26.0	14
23.3092.0304	-3	3/16"	1/4" - 19	25.5	26.0	19
23.3092.0402	-4	1/4"	1/8" - 28	26.7	26.5	14
23.3092.0404	-4	1/4"	1/4" - 19	27.6	27.5	19
23.3092.0406	-4	1/4"	3/8" - 19	28.0	29.5	22
23.3092.0408	-4	1/4"	1/2" - 14	30.0	30.0	27
23.3092.0504	-5	5/16"	1/4" - 19	32.0	30.0	19
23.3092.0506	-5	5/16"	3/8" - 19	32.5	30.5	22
23.3092.0508	-5	5/16"	1/2" - 14	30.0	30.0	27
23.3092.0604	-6	3/8"	1/4" - 19	28.0	29.5	19
23.3092.0606	-6	3/8"	3/8" - 19	33.0	31.5	22
23.3092.0608	-6	3/8"	1/2" - 14	34.0	31.5	27
23.3092.0806	-8	1/2"	3/8" - 19	35.0	35.0	22
23.3092.0808	-8	1/2"	1/2" - 14	39.5	38.5	27
23.3092.0810	-8	1/2"	5/8" - 14	45.0	42.0	27
23.3092.0812	-8	1/2"	3/4" - 14	54.0	55.0	32
23.3092.1008	-10	5/8"	1/2" - 14	54.0	48.0	27
23.3092.1010	-10	5/8"	5/8" - 14	54.0	50.0	27
23.3092.1012	-10	5/8"	3/4" - 14	54.0	55.0	32
23.3092.1212	-12	3/4"	3/4" - 14	55.5	55.0	32
23.3092.1216	-12	3/4"	1" - 11	60.5	64.0	38
23.3092.1616	-16	1"	1" - 11	71.5	71.0	38
23.3092.1620	-16	1"	1 1/4" - 11	79.5	79.5	50
23.3092.2020	-20	1 1/4"	1 1/4" - 11	85.5	77.0	50
23.3092.2024	-20	1 1/4"	1 1/2" - 11	91.5	92.0	55
23.3092.2424	-24	1 1/2"	1 1/2" - 11	102.0	100.0	55
23.3092.2432	-24	1 1/2"	2" - 11	110.0	110.0	70
23.3092.3232	-32	2"	2" - 11	132.3	128.0	70

MATERIAL: Carbon Steel
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

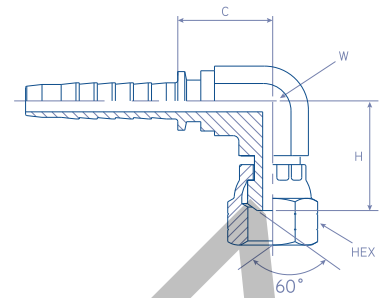
NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)



90° Swept Compact Female BSP Parallel Pipe Swivel

23.3082.

ISO 12151-6 / ISO 8434-6 / BS 5200



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	W mm	HEX mm
23.3082.0404	-4	1/4"	1/4" - 19	17.5	23.5	11	19
23.3082.0606	-6	3/8"	3/8" - 19	21.5	25.5	16	22
23.3082.0808	-8	1/2"	1/2" - 14	25.5	28.0	19	27
23.3082.1010	-10	5/8"	5/8" - 14	22.5	27.0	22	30
23.3082.1212	-12	3/4"	3/4" - 14	26.5	36.0	27	32
23.3082.1616	-16	1"	1" - 11	30.5	34.5	33	38

MATERIAL: Carbon Steel

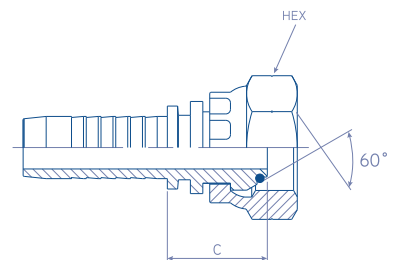
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Female BSP Parallel Pipe with O-ring Swivel (DKOR)

23.3112.

ISO 12151-6 / ISO 8434-6 / BS 5200



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.3112.0404	-4	1/4"	1/4" - 19	17.7	19
23.3112.0606	-6	3/8"	3/8" - 19	19.5	22
23.3112.0808	-8	1/2"	1/2" - 14	21.5	27
23.3112.1010	-10	5/8"	5/8" - 14	23.0	30
23.3112.1212	-12	3/4"	3/4" - 14	23.7	32
23.3112.1216	-12	3/4"	1" - 11	22.7	38
23.3112.1616	-16	1"	1" - 11	26.5	38
23.3112.1620	-16	1"	1 1/4" - 11	29.0	50
23.3112.2020	-20	1 1/4"	1 1/4" - 11	30.5	50
23.3112.2024	-20	1 1/4"	1 1/2" - 11	30.0	55
23.3112.2424	-24	1 1/2"	1 1/2" - 11	32.0	55
23.3112.2432	-24	1 1/2"	2" - 11	34.0	70
23.3112.3232	-32	2"	2" - 11	34.0	70

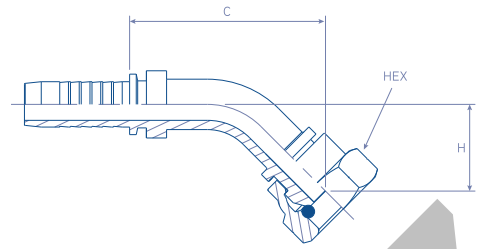
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

45° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 45°)



23.3142.

ISO 12151-6 / ISO 8434-6 / BS 5200

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.3142.0404	-4	1/4"	1/4" - 19	33.5	13.0	19
23.3142.0606	-6	3/8"	3/8" - 19	40.0	14.7	22
23.3142.0808	-8	1/2"	1/2" - 14	46.0	18.0	27
23.3142.1010	-10	5/8"	5/8" - 14	60.5	23.3	27
23.3142.1212	-12	3/4"	3/4" - 14	67.5	24.5	32
23.3142.1216	-12	3/4"	1" - 11	70.0	26.0	38
23.3142.1616	-16	1"	1" - 11	83.6	33.8	38
23.3142.1620	-16	1"	1 1/4" - 11	92.3	41.7	50
23.3142.2020	-20	1 1/4"	1 1/4" - 11	97.0	37.5	50
23.3142.2024	-20	1 1/4"	1 1/2" - 11	102.0	42.0	55
23.3142.2424	-24	1 1/2"	1 1/2" - 11	119.0	49.2	55
23.3142.2432	-24	1 1/2"	2" - 11	125.0	55.0	70
23.3142.3232	-32	2"	2" - 11	149.8	60.0	70

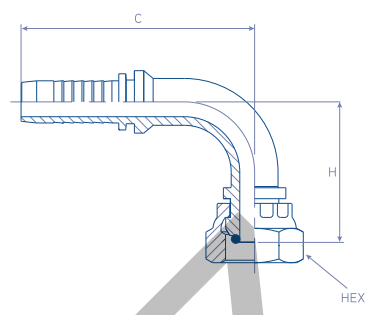
MATERIAL: Carbon Steel
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)



90° Swept Female BSP Parallel Pipe with O-ring Swivel (DKOR 90°)



23.3192.

ISO 12151-6 / ISO 8434-6 / BS 5200

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.3192.0404	-4	1/4"	1/4" - 19	27.6	27,5	19
23.3192.0606	-6	3/8"	3/8" - 19	33.0	31,5	22
23.3192.0808	-8	1/2"	1/2" - 14	39,5	38,5	27
23.3192.1010	-10	5/8"	5/8" - 14	54,0	50,0	27
23.3192.1212	-12	3/4"	3/4" - 14	55,5	55,0	32
23.3192.1216	-12	3/4"	1" - 11	60,5	64,0	38
23.3192.1616	-16	1"	1" - 11	71,5	71,0	38
23.3192.1620	-16	1"	1 1/4" - 11	79,5	79,5	50
23.3192.2020	-20	1 1/4"	1 1/4" - 11	85,5	77,0	50
23.3192.2024	-20	1 1/4"	1 1/2" - 11	91,5	92,0	55
23.3192.2424	-24	1 1/2"	1 1/2" - 11	102,0	100,0	55
23.3192.2432	-24	1 1/2"	2" - 11	110,0	110,0	70
23.3192.3232	-32	2"	2" - 11	132,3	128,0	70

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

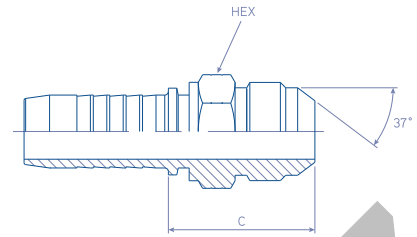
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

Male JIC 37° (AGJ)

23.2000.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.2000.0304	-3	3/16"	7/16" - 20	26.5	12
23.2000.0404	-4	1/4"	7/16" - 20	25.7	12
23.2000.0405	-4	1/4"	1/2" - 20	26.2	14
23.2000.0406	-4	1/4"	9/16" - 18	26.2	17
23.2000.0505	-5	5/16"	1/2" - 20	26.5	14
23.2000.0506	-5	5/16"	9/16" - 18	27.1	17
23.2000.0606	-6	3/8"	9/16" - 18	27.1	17
23.2000.0608	-6	3/8"	3/4" - 16	30.7	19
23.2000.0610	-6	3/8"	7/8" - 14	35.3	24
23.2000.0808	-8	1/2"	3/4" - 16	31.2	19
23.2000.0810	-8	1/2"	7/8" - 14	35.8	24
23.2000.0812	-8	1/2"	1.1/16" - 12	39.4	27
23.2000.1008	-10	5/8"	3/4" - 16	33.7	24
23.2000.1010	-10	5/8"	7/8" - 14	37.3	24
23.2000.1012	-10	5/8"	1.1/16" - 12	40.9	27
23.2000.1210	-12	3/4"	7/8" - 14	37.5	27
23.2000.1212	-12	3/4"	1.1/16" - 12	40.6	27
23.2000.1214	-12	3/4"	1.3/16" - 12	43.3	32
23.2000.1216	-12	3/4"	1.5/16" - 12	46.0	36
23.2000.1616	-16	1"	1.5/16" - 12	46.8	36
23.2000.1620	-16	1"	1.5/8" - 12	49.0	46
23.2000.2020	-20	1.1/4"	1.5/8" - 12	52.3	46
23.2000.2024	-20	1.1/4"	1.7/8" - 12	55.0	50
23.2000.2424	-24	1.1/2"	1.7/8" - 12	55.0	50
23.2000.2432	-24	1.1/2"	2.1/2" - 12	65.9	65
23.2000.3232	-32	2"	2.1/2" - 12	65.9	65

MATERIAL: Carbon Steel

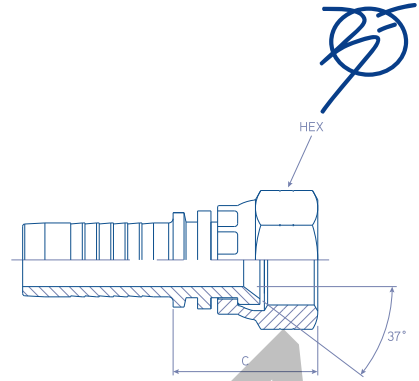
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Female JIC 37° Swivel (DKJ)

23.4012.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.4012.0304	-3	3/16"	7/16" - 20	15.0	14
23.4012.0404	-4	1/4"	7/16" - 20	14.7	14
23.4012.0405	-4	1/4"	1/2" - 20	15.2	17
23.4012.0406	-4	1/4"	9/16" - 18	15.2	19
23.4012.0505	-5	5/16"	1/2" - 20	15.5	17
23.4012.0506	-5	5/16"	9/16" - 18	15.5	19
23.4012.0606	-6	3/8"	9/16" - 18	15.5	19
23.4012.0608	-6	3/8"	3/4" - 16	17.5	22
23.4012.0610	-6	3/8"	7/8" - 14	18.5	27
23.4012.0806	-8	1/2"	9/16" - 18	16.0	19
23.4012.0808	-8	1/2"	3/4" - 16	18.5	22
23.4012.0810	-8	1/2"	7/8" - 14	19.0	27
23.4012.0812	-8	1/2"	1.1/16" - 12	20.5	32
23.4012.1008	-10	5/8"	3/4" - 16	19.0	22
23.4012.1010	-10	5/8"	7/8" - 14	19.5	27
23.4012.1012	-10	5/8"	1.1/16" - 12	21.0	32
23.4012.1210	-12	3/4"	7/8" - 14	19.7	27
23.4012.1212	-12	3/4"	1.1/16" - 12	21.2	32
23.4012.1214	-12	3/4"	1.3/16" - 12	21.2	38
23.4012.1216	-12	3/4"	1.5/16" - 12	21.7	38
23.4012.1612	-16	1"	1.1/16" - 12	22.5	32
23.4012.1616	-16	1"	1.5/16" - 12	22.5	38
23.4012.1620	-16	1"	1.5/8" - 12	23.5	50
23.4012.2020	-20	1.1/4"	1.5/8" - 12	25.0	50
23.4012.2024	-20	1.1/4"	1.7/8" - 12	26.0	57
23.4012.2424	-24	1.1/2"	1.7/8" - 12	26.0	57
23.4012.2432	-24	1.1/2"	2.1/2" - 12	30.5	75
23.4012.3232	-32	2"	2.1/2" - 12	31.5	75

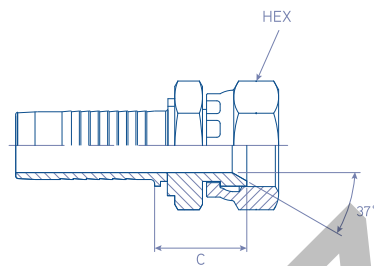
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

Female JIC 37° Swivel with Back Hexagon



23.4H12.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	W mm	HEX mm
23.4H12.0304	-3	3/16"	7/16" - 20	21.5	12	14
23.4H12.0404	-4	1/4"	7/16" - 20	20.7	14	14
23.4H12.0405	-4	1/4"	1/2" - 20	20.7	14	16
23.4H12.0406	-4	1/4"	9/16" - 18	22.7	14	19
23.4H12.0506	-5	5/16"	9/16" - 18	22.7	14	19
23.4H12.0606	-6	3/8"	9/16" - 18	21.0	17	19
23.4H12.0608	-6	3/8"	3/4" - 16	26.3	19	22
23.4H12.0610	-6	3/8"	7/8" - 14	28.0	22	27
23.4H12.0808	-8	1/2"	3/4" - 16	26.0	22	22
23.4H12.0810	-8	1/2"	7/8" - 14	29.0	22	27
23.4H12.0812	-8	1/2"	1.1/16" - 12	33.0	25	32
23.4H12.1010	-10	5/8"	7/8" - 14	28.5	22	27
23.4H12.1012	-10	5/8"	1.1/16" - 12	33.5	27	32
23.4H12.1212	-12	3/4"	1.1/16" - 12	33.7	27	32
23.4H12.1214	-12	3/4"	1.3/16" - 12	35.2	32	38
23.4H12.1216	-12	3/4"	1.5/16" - 12	35.2	32	38
23.4H12.1616	-16	1"	1.5/16" - 12	35.5	32	38
23.4H12.1620	-16	1"	1.5/8" - 12	40.5	42	50
23.4H12.2020	-20	1.1/4"	1.5/8" - 12	42.0	42	50
23.4H12.2424	-24	1.1/2"	1.7/8" - 12	45.0	50	57
23.4H12.3232	-32	2"	2.1/2" - 12	49.0	64	75

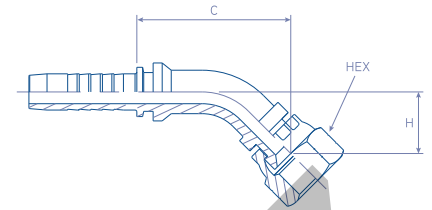
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



45° Swept Female JIC 37° Swivel (DKJ 45°)



23.4042.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.4042.0304	-3	3/16"	7/16" - 20	25.0	14.5	14
23.4042.0404	-4	1/4"	7/16" - 20	35.0	14.5	14
23.4042.0405	-4	1/4"	1/2" - 20	35.0	14.5	16
23.4042.0406	-4	1/4"	9/16" - 18	35.0	13.0	19
23.4042.0505	-5	5/16"	1/2" - 20	35.0	14.5	16
23.4042.0506	-5	5/16"	9/16" - 18	38.5	14.5	19
23.4042.0606	-6	3/8"	9/16" - 18	38.5	14.5	19
23.4042.0608	-6	3/8"	3/4" - 16	50.0	15.5	22
23.4042.0610	-6	3/8"	7/8" - 14	40.5	16.5	27
23.4042.0808	-8	1/2"	3/4" - 16	44.4	17.5	22
23.4042.0810	-8	1/2"	7/8" - 14	50.5	21.3	27
23.4042.0812	-8	1/2"	1.1/16" - 12	59.0	25.0	32
23.4042.1010	-10	5/8"	7/8" - 14	52.0	25.0	27
23.4042.1012	-10	5/8"	1.1/16" - 12	64.0	26.5	32
23.4042.1212	-12	3/4"	1.1/16" - 12	67.5	27.0	32
23.4042.1214	-12	3/4"	1.3/16" - 12	68.0	28.0	38
23.4042.1216	-12	3/4"	1.5/16" - 12	72.0	30.0	38
23.4042.1616	-16	1"	1.5/16" - 12	83.5	32.0	38
23.4042.1620	-16	1"	1.5/8" - 12	83.0	36.0	50
23.4042.2020	-20	1.1/4"	1.5/8" - 12	97.0	37.0	50
23.4042.2424	-24	1.1/2"	1.7/8" - 12	102.0	38.0	57
23.4042.2432	-24	1.1/2"	2.1/2" - 12	119.0	49.2	57
23.4042.3232	-32	2"	2.1/2" - 12	152.0	69.0	75

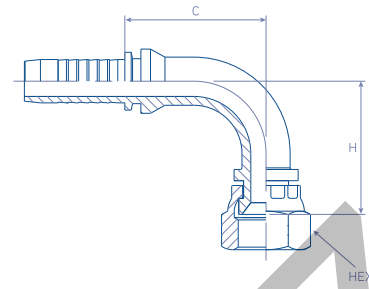
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

90° Swept Female JIC 37° Swivel (DKJ 90°)



23.4092.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.4092.0304	-3	3/16"	7/16" - 20	27.2	29.0	14
23.4092.0404	-4	1/4"	7/16" - 20	30.0	31.0	14
23.4092.0405	-4	1/4"	1/2" - 20	30.8	30.0	16
23.4092.0406	-4	1/4"	9/16" - 18	28.2	28.0	19
23.4092.0505	-5	5/16"	1/2" - 20	32.0	33.0	17
23.4092.0506	-5	5/16"	9/16" - 18	27.0	23.5	19
23.4092.0606	-6	3/8"	9/16" - 18	34.0	30.0	19
23.4092.0608	-6	3/8"	3/4" - 16	35.0	30.0	22
23.4092.0610	-6	3/8"	7/8" - 14	37.1	38.0	27
23.4092.0808	-8	1/2"	3/4" - 16	39.5	38.0	22
23.4092.0810	-8	1/2"	7/8" - 14	36.8	40.5	27
23.4092.0812	-8	1/2"	1.1/16" - 12	46.5	51.0	32
23.4092.1010	-10	5/8"	7/8" - 14	54.0	52.0	27
23.4092.1012	-10	5/8"	1.1/16" - 12	54.0	55.0	32
23.4092.1210	-12	3/4"	7/8" - 14	54.2	55.0	27
23.4092.1212	-12	3/4"	1.1/16" - 12	55.5	55.0	32
23.4092.1214	-12	3/4"	1.3/16" - 12	55.5	57.0	38
23.4092.1216	-12	3/4"	1.5/16" - 12	55.5	60.0	38
23.4092.1616	-16	1"	1.5/16" - 12	71.5	71.0	38
23.4092.1620	-16	1"	1.5/8" - 12	79.5	79.5	50
23.4092.2020	-20	1.1/4"	1.5/8" - 12	85.5	77.0	50
23.4092.2024	-20	1.1/4"	1.7/8" - 12	86.5	90.0	57
23.4092.2424	-24	1.1/2"	1.7/8" - 12	102.0	100.0	57
23.4092.2432	-24	1.1/2"	2.1/2" - 12	118.0	120.0	75
23.4092.3232	-32	2"	2.1/2" - 12	130.5	140.0	75

MATERIAL: Carbon Steel
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

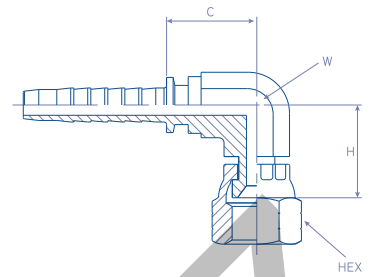
NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)



90° Compact Female JIC 37° Swivel

23.4082.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.4082.0404	-4	1/4"	7/16" - 20	18.5	19.6	14
23.4082.0405	-4	1/4"	1/2" - 20	18.5	21.5	16
23.4082.0406	-4	1/4"	9/16" - 18	18.5	21.8	19
23.4082.0606	-6	3/8"	9/16" - 18	21.5	25.5	19
23.4082.0608	-6	3/8"	3/4" - 16	21.5	26.5	22
23.4082.0808	-8	1/2"	3/4" - 16	25.5	29.5	22
23.4082.0810	-8	1/2"	7/8" - 14	25.5	28	27
23.4082.1212	-12	3/4"	1 1/16" - 12	28.5	30.7	32
23.4082.1616	-16	1"	1 5/16" - 12	30.5	33.5	38

MATERIAL: Carbon Steel

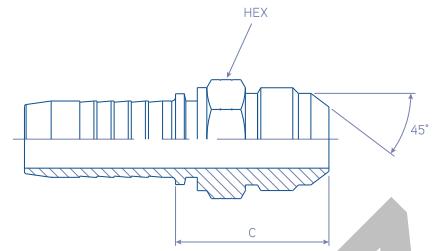
FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)

Male SAE 45°

23.2S00.

SAE J512 / SAE J513



REFERENCE	hose dash	hose Ø inch	thread	C cut off mm	HEX mm
23.2S00.0606	-6	3/8"	5/8" - 18 UNF	27.1	17
23.2S00.1212	-12	3/4"	1.1/16" - 14 UNS	40.6	27

MATERIAL: Carbon Steel

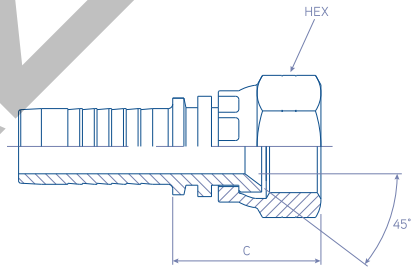
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Female SAE 45° Swivel

23.4S12.

SAE J512 / SAE J513



REFERENCE	hose dash	hose Ø inch	thread	C cut off mm	HEX mm
23.4S12.0506	-5	5/16"	5/8" - 18 UNF	17.0	22
23.4S12.0606	-6	3/8"	5/8" - 18 UNF	17.0	22
23.4S12.1212	-12	3/4"	1.1/16" - 14 UNS	21.2	32

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

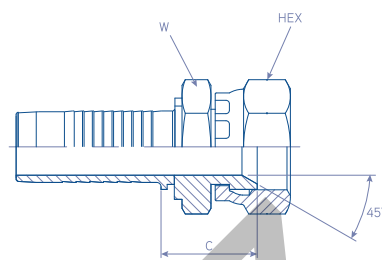
NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)



Female SAE 45° Swivel with Back Hexagon

23.SH12.

SAE J512 / SAE J513



REFERENCE	hose dash	hose Ø inch	thread	C cut off mm	W mm	HEX mm
23.SH12.0606	-6	3/8"	5/8" - 18 UNF	26.3	19	22
23.SH12.1212	-12	3/4"	1.1/16" - 14 UNS	33.7	27	32

MATERIAL: Carbon Steel

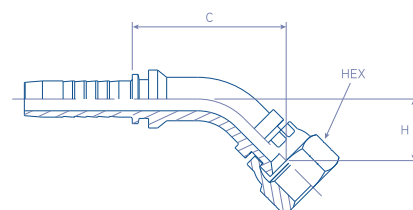
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Female SAE 45° Swivel

23.4S42.

SAE J512 / SAE J513



REFERENCE	hose dash	hose Ø inch	thread	C cut off mm	H mm	HEX mm
23.4S42.0606	-6	3/8"	5/8" - 18 UNF	39.5	15.5	22
23.4S42.1212	-12	3/4"	1.1/16" - 14 UNS	67.5	27.0	32

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

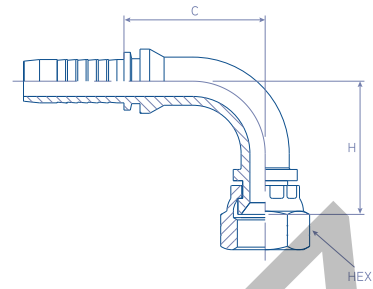
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

90° Swept Female SAE 45° Swivel

23.4S92.

SAE J512 / SAE J513



REFERENCE	hose dash	hose Ø inch	thread	C cut off mm	H mm	HEX mm
23.4S92.0506	-5	5/16"	5/8" - 18 UNF	32.0	30.0	22
23.4S92.0606	-6	3/8"	5/8" - 18 UNF	34.0	30.0	22
23.4S92.1212	-12	3/4"	1.1/16" - 14 UNS	55.5	55.0	32

MATERIAL: Carbon Steel

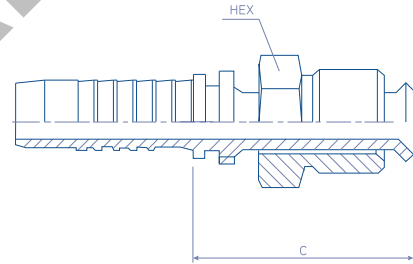
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: On larger sizes nuts can be supplied with Trust-Wire Nut (W)

SAE Inverted 45° Flare Male

23.2210.



REFERENCE	hose dash	hose Ø inch	thread	C cut off mm	HEX mm
23.2210.0404	04	1/4"	7/16" - 24UNS	42,0	11
23.2210.0405	04	1/4"	1/2" - 20UNF	47,0	13
23.2210.0406	04	1/4"	5/8" - 18UNF	46,0	16
23.2210.0604	04	3/8"	7/16" - 24UNS	42,0	11
23.2210.0605	06	3/8"	1/2" - 20UNF	44,0	13
23.2210.0606	06	3/8"	5/8" - 18UNF	46,0	16
23.2210.0808	08	1/2"	3/4" - 18UNS	47,0	19

MATERIAL: Carbon Steel

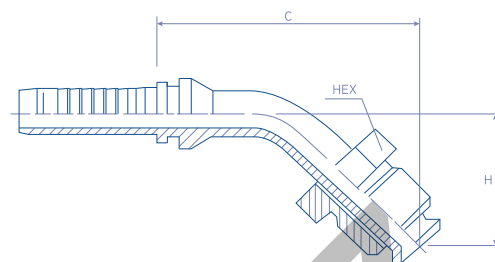
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



SAE Inverted 45° Flare 45° Elbow Male

23.2240.



REFERENCE	hose dash	hose Ø inch	thread	C cut off mm	H mm	HEX mm
23.2240.0404	04	1/4"	7/16" - 24UNS	36,0	16,0	11
23.2240.0405	04	1/4"	1/2" - 20UNF	40,0	18,0	13
23.2240.0604	04	3/8"	7/16" - 24UNS	36,0	16,0	11
23.2240.0605	06	3/8"	1/2" - 20UNF	37,0	18,0	13
23.2240.0606	06	3/8"	5/8" - 18UNF	48,0	22,0	16
23.2240.0808	08	1/2"	3/4" - 18UNS	50,0	26,0	19

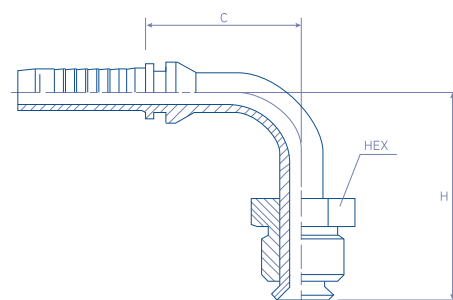
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)

SAE Inverted 45° Flare 90° Elbow Male

23.2290.



REFERENCE	hose dash	hose Ø inch	thread	C cut off mm	H mm	HEX mm
23.2290.0404	04	1/4"	7/16" - 24UNS	36,0	40,0	11
23.2290.0405	04	1/4"	1/2" - 20UNF	42,0	40,0	13
23.2290.0406	04	1/4"	5/8" - 18UNF	40,0	40,0	16
23.2290.0604	04	3/8"	7/16" - 24UNS	37,0	40,0	11
23.2290.0605	06	3/8"	1/2" - 20UNF	40,0	40,0	13
23.2290.0606	06	3/8"	5/8" - 18UNF	40,0	40,0	16
23.2290.0808	08	1/2"	3/4" - 18UNS	40,0	46,0	19

MATERIAL: Carbon Steel

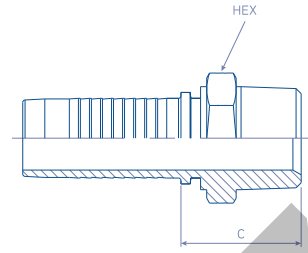
FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)

Male NPTF Pipe (AGN)

23.0400.

SAE J516 / SAE J476A



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.0400.0302	-3	3/16"	1/8" - 27	22.5	12
23.0400.0304	-3	3/16"	1/4" - 18	28.0	14
23.0400.0402	-4	1/4"	1/8" - 27	21.7	12
23.0400.0404	-4	1/4"	1/4" - 18	27.7	14
23.0400.0406	-4	1/4"	3/8" - 18	28.7	17
23.0400.0408	-4	1/4"	1/2" - 14	34.2	22
23.0400.0504	-5	5/16"	1/4" - 18	28.0	17
23.0400.0506	-5	5/16"	3/8" - 18	30.5	19
23.0400.0604	-6	3/8"	1/4" - 18	28.0	17
23.0400.0606	-6	3/8"	3/8" - 18	30.5	19
23.0400.0608	-6	3/8"	1/2" - 14	34.5	22
23.0400.0806	-8	1/2"	3/8" - 18	31.0	19
23.0400.0808	-8	1/2"	1/2" - 14	35.0	22
23.0400.0812	-8	1/2"	3/4" - 14	37.5	27
23.0400.1008	-10	5/8"	1/2" - 14	36.0	24
23.0400.1012	-10	5/8"	3/4" - 14	39.0	27
23.0400.1208	-12	3/4"	1/2" - 14	38.2	27
23.0400.1212	-12	3/4"	3/4" - 14	38.7	27
23.0400.1216	-12	3/4"	1" - 11.1/2	47.2	36
23.0400.1612	-16	1"	3/4" - 14	41.5	35
23.0400.1616	-16	1"	1" - 11.1/2	48.5	36
23.0400.1620	-16	1"	1.1/4" - 11.1/2	52.0	46
23.0400.2020	-20	1.1/4"	1.1/4" - 11.1/2	53.5	46
23.0400.2024	-20	1.1/4"	1.1/2" - 11.1/2	55.5	50
23.0400.2424	-24	1.1/2"	1.1/2" - 11.1/2	53.0	50
23.0400.2432	-24	1.1/2"	2" - 11.1/2	58.5	65
23.0400.3232	-32	2"	2" - 11.1/2	58.5	65

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

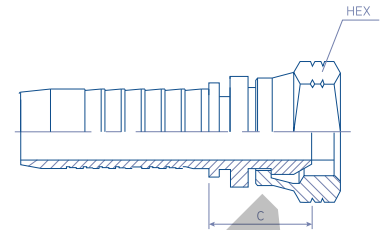
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Female NPSM Pipe Swivel

23.3010.

SAE J516 / SAE J514



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.3010.0402	04	1/4"	1/8"-27	23,7	14
23.3010.0404	04	1/4"	1/4"-18	26,7	19
23.3010.0406	04	1/4"	3/8"-18	29,1	22
23.3010.0606	06	3/8"	3/8"-18	27,2	22
23.3010.0608	06	3/8"	1/2"-14	29,0	27
23.3010.0808	08	1/2"	1/2"-14	30,7	27
23.3010.1212	12	3/4"	3/4"-14	35,3	32
23.3010.1616	16	1"	1"-11.5	38,0	41

MATERIAL: Carbon Steel

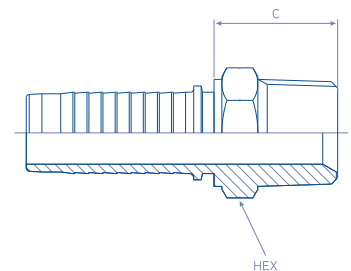
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Male BSPT Taper Pipe (AGR-K)

23.0300.

BS 5200



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.0300.0302	-3	3/16"	1/8" - 28	22.5	12
23.0300.0304	-3	3/16"	1/4" - 19	27.5	14
23.0300.0402	-4	1/4"	1/8" - 28	21.7	12
23.0300.0404	-4	1/4"	1/4" - 19	26.7	14
23.0300.0406	-4	1/4"	3/8" - 19	27.7	17
23.0300.0606	-6	3/8"	3/8" - 19	30.5	19
23.0300.0608	-6	3/8"	1/2" - 14	34.5	22
23.0300.0808	-8	1/2"	1/2" - 14	35.0	22
23.0300.1212	-12	3/4"	3/4" - 14	38.7	27
23.0300.1616	-16	1"	1" - 14	48.0	36
23.0300.2020	-20	1.1/4"	1.1/4" - 11	53.0	46
23.0300.2424	-24	1.1/2"	1.1/2" - 11	54.5	50
23.0300.3232	-32	2"	2" - 11	61.0	65

MATERIAL: Carbon Steel

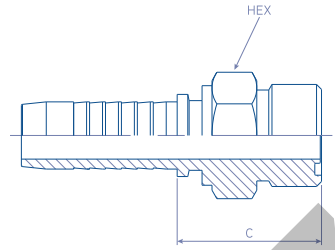
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Male ORFS

23.4000.

ISO 12151-1 / ISO 8434-3 / SAE J516



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.4000.0404	-4	1/4"	9/16" - 18	22.5	17
23.4000.0406	-4	1/4"	11/16" - 16	24.9	19
23.4000.0506	-5	5/16"	11/16" - 16	25.2	19
23.4000.0606	-6	3/8"	11/16" - 16	25.2	19
23.4000.0608	-6	3/8"	13/16" - 16	28.0	22
23.4000.0808	-8	1/2"	13/16" - 16	28.8	22
23.4000.0810	-8	1/2"	1" - 14	33.0	27
23.4000.0812	-8	1/2"	1.3/16" - 14	37.0	32
23.4000.1010	-10	5/8"	1" - 14	34.0	27
23.4000.1012	-10	5/8"	1.3/16" - 14	37.5	32
23.4000.1212	-12	3/4"	1.3/16" - 14	37.7	32
23.4000.1216	-12	3/4"	1.7/16" - 12	40.7	41
23.4000.1616	-16	1"	1.7/16" - 12	42.5	41
23.4000.2020	-20	1.1/4"	1.11/16" - 12	44.5	46
23.4000.2424	-24	1.1/2"	2" - 12	46.5	55

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

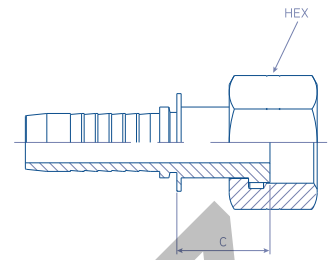
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Female ORFS Swivel

23.4414.

ISO 12151-1 / ISO 8434-3 / SAE J516



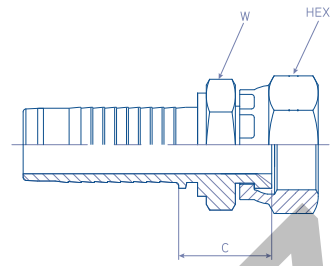
REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.4414.0404	-4	1/4"	9/16" - 18	20.0	17
23.4414.0406	-4	1/4"	11/16" - 16	23.2	22
23.4414.0506	-5	5/16"	11/16" - 16	23.5	22
23.4414.0606	-6	3/8"	11/16" - 16	24.5	22
23.4414.0608	-6	3/8"	13/16" - 16	25.0	24
23.4414.0808	-8	1/2"	13/16" - 16	26.5	24
23.4414.0810	-8	1/2"	1" - 14	29.5	30
23.4414.0812	-8	1/2"	1.3/16" - 14	30.5	36
23.4414.1008	-10	5/8"	13/16" - 16	29.0	24
23.4414.1010	-10	5/8"	1" - 14	30.9	30
23.4414.1012	-10	5/8"	1.3/16" - 14	30.6	36
23.4414.1210	-12	3/4"	1" - 14	33.2	30
23.4414.1212	-12	3/4"	1.3/16" - 14	31.7	36
23.4414.1216	-12	3/4"	1.7/16" - 12	34.7	41
23.4414.1616	-16	1"	1.7/16" - 12	34.1	41
23.4414.1620	-16	1"	1.11/16" - 12	34.0	50
23.4414.2020	-20	1.1/4"	1.11/16" - 12	36.5	50
23.4414.2024	-20	1.1/4"	2" - 12	36.5	50
23.4414.2424	-24	1.1/2"	2" - 12	36.0	60

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Female ORFS Swivel with Back Hexagon



23.44H4.

ISO 12151-1 / ISO 8434-3 / SAE J516

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	W mm	HEX mm
23.44H4.0404	-4	1/4"	9/16" - 18	28.2	14	17
23.44H4.0406	-4	1/4"	11/16" - 16	31.7	17	22
23.44H4.0606	-6	3/8"	11/16" - 16	32.0	17	22
23.44H4.0608	-6	3/8"	13/16" - 16	35.0	19	24
23.44H4.0808	-8	1/2"	13/16" - 16	35.5	19	24
23.44H4.0810	-8	1/2"	1" - 14	41.5	24	30
23.44H4.0812	-8	1/2"	1.3/16" - 14	44.5	30	36
23.44H4.1010	-10	5/8"	1" - 14	42.5	24	30
23.44H4.1012	-10	5/8"	1.3/16" - 14	45.0	28	36
23.44H4.1212	-12	3/4"	1.3/16" - 14	45.6	30	36
23.44H4.1216	-12	3/4"	1.7/16" - 12	50.2	35	41
23.44H4.1616	-16	1"	1.7/16" - 12	50.7	35	41
23.44H4.1620	-16	1"	1.11/16" - 12	52.0	35	50
23.44H4.2020	-20	1.1/4"	1.11/16" - 12	54.5	41	50
23.44H4.2424	-24	1.1/2"	2" - 12	57.0	50	60

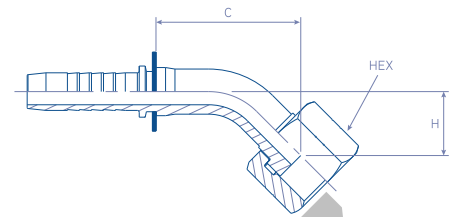
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



45° Swept Female ORFS Swivel



23.4444.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514

REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.4444.0404	-4	1/4"	9/16" - 18	32.5	11.0	17
23.4444.0406	-4	1/4"	11/16" - 16	36.0	13.0	22
23.4444.0506	-5	5/16"	11/16" - 16	39.0	13.0	22
23.4444.0606	-6	3/8"	11/16" - 16	36.0	13.4	22
23.4444.0608	-6	3/8"	13/16" - 16	39.0	15.0	24
23.4444.0808	-8	1/2"	13/16" - 16	43.0	15.0	24
23.4444.0810	-8	1/2"	1" - 14	45.0	17.0	30
23.4444.0812	-8	1/2"	1.3/16" - 14	54.0	21.0	36
23.4444.1008	-10	5/8"	13/16" - 16	54.0	22.0	24
23.4444.1010	-10	5/8"	1" - 14	55.0	21.0	30
23.4444.1012	-10	5/8"	1.3/16" - 14	57.0	23.0	36
23.4444.1210	-12	3/4"	1" - 14	60.0	23.0	30
23.4444.1212	-12	3/4"	1.3/16" - 14	62.0	22.0	36
23.4444.1216	-12	3/4"	1.7/16" - 12	66.0	24.0	41
23.4444.1616	-16	1"	1.7/16" - 12	76.0	27.0	41
23.4444.1620	-16	1"	1.11/16" - 12	76.0	27.0	50
23.4444.2020	-20	1.1/4"	1.11/16" - 12	95.0	34.0	50
23.4444.2424	-24	1.1/2"	2" - 12	120.0	45.0	60

MATERIAL: Carbon Steel

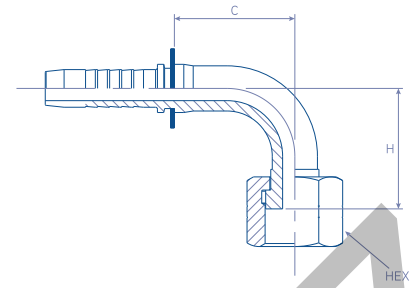
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

90° Swept Female ORFS Swivel

23.4494.

ISO 12151-5 / ISO 8434-2 / SAE J516 / SAE J514



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	H mm	HEX mm
23.4494.0404	-4	1/4"	9/16" - 18	26.0	21.0	17
23.4494.0406	-4	1/4"	11/16" - 16	27.0	25.0	22
23.4494.0506	-5	5/16"	11/16" - 16	33.0	27.5	22
23.4494.0606	-6	3/8"	11/16" - 16	34.5	29.0	22
23.4494.0608	-6	3/8"	13/16" - 16	35.5	30.0	24
23.4494.0808	-8	1/2"	13/16" - 16	40.0	35.0	24
23.4494.0810	-8	1/2"	1" - 14	40.5	36.5	30
23.4494.0812	-8	1/2"	1.3/16" - 14	42.0	43.0	36
23.4494.1008	-10	5/8"	13/16" - 16	42.0	46.0	24
23.4494.1010	-10	5/8"	1" - 14	54.0	50.0	30
23.4494.1012	-10	5/8"	1.3/16" - 14	53.0	48.0	36
23.4494.1210	-12	3/4"	1" - 14	55.0	50.0	30
23.4494.1212	-12	3/4"	1.3/16" - 14	57.0	49.0	36
23.4494.1216	-12	3/4"	1.7/16" - 12	57.0	52.0	41
23.4494.1616	-16	1"	1.7/16" - 12	68.0	59.0	41
23.4494.1620	-16	1"	1.11/16" - 12	68.0	77.0	50
23.4494.2020	-20	1.1/4"	1.11/16" - 12	85.0	77.0	50
23.4494.2424	-24	1.1/2"	2" - 12	98.0	94.0	60

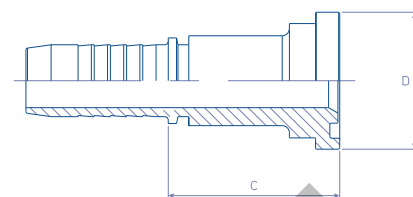
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Straight SAE 3000 PSI (code 61) Flange (SFL)



23.7013.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

REFERENCE	hose dash	hose Ø inch	D Ø Flange mm	C Cut Off mm
23.7013.0808	-8	1/2"	30.2	40.0
23.7013.0812	-8	1/2"	38.1	42.0
23.7013.1010	-10	5/8"	34.0	37.0
23.7013.1012	-10	5/8"	38.1	45.0
23.7013.1212	-12	3/4"	38.1	45.0
23.7013.1216	-12	3/4"	44.5	48.0
23.7013.1616	-16	1"	44.5	50.0
23.7013.1620	-16	1"	50.8	54.0
23.7013.2020	-20	1 1/4"	50.8	55.0
23.7013.2024	-20	1 1/4"	60.3	60.0
23.7013.2424	-24	1 1/2"	60.3	60.0
23.7013.2432	-24	1 1/2"	71.4	65.0
23.7013.3232	-32	2"	71.4	66.0
23.7013.4040	-40	2 1/2"	84.1	90.0
23.7013.4848	-48	3"	101.6	91.0

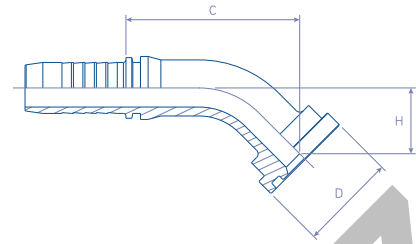
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)

NOTES: Although not in the SAE
or the ISO standard the size 34.0mm
(5/8) is according to JIS standard

45° Swept SAE 3000 PSI (code 61) Flange (SFL 45°)



23.7043.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm	H mm
23.7043.0808	-8	1/2"	30.2	57.0	23.0
23.7043.0812	-8	1/2"	38.1	63.0	28.0
23.7043.1010	-10	5/8"	34.0	67.0	28.0
23.7043.1012	-10	5/8"	38.1	68.0	28.0
23.7043.1212	-12	3/4"	38.1	69.0	28.0
23.7043.1216	-12	3/4"	44.5	75.0	32.0
23.7043.1616	-16	1"	44.5	76.0	31.0
23.7043.1620	-16	1"	50.8	85.0	35.0
23.7043.2020	-20	1.1/4"	50.8	95.0	36.0
23.7043.2024	-20	1.1/4"	60.3	100.0	38.0
23.7043.2424	-24	1.1/2"	60.3	100.0	40.0
23.7043.2432	-24	1.1/2"	71.4	110.0	42.0
23.7043.3232	-32	2"	71.4	145.0	56.0
23.7043.4040	-40	2.1/2"	84.1	135.0	58.0
23.7043.4848	-48	3"	101.6	136.0	58.0

MATERIAL: Carbon Steel

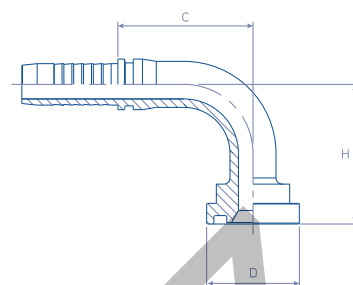
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

NOTES: Although not in the SAE or the ISO standard the size 34.0mm (5/8) is according to JIS standard



90° Swept SAE 3000 PSI (code 61) Flange (SFL 90°)



23.7093.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm	H mm
23.7093.0808	-8	1/2"	30.2	46.5	45.0
23.7093.0812	-8	1/2"	38.1	49.0	49.5
23.7093.1010	-10	5/8"	34.0	55.5	55.0
23.7093.1012	-10	5/8"	38.1	55.5	56.5
23.7093.1212	-12	3/4"	38.1	55.5	58.0
23.7093.1216	-12	3/4"	44.5	70.0	61.0
23.7093.1616	-16	1"	44.5	69.9	61.0
23.7093.1620	-16	1"	50.8	88.0	83.0
23.7093.2020	-20	1 1/4"	50.8	88.0	93.0
23.7093.2024	-20	1 1/4"	60.3	95.0	98.0
23.7093.2424	-24	1 1/2"	60.3	100.0	110.0
23.7093.2432	-24	1 1/2"	71.4	130.0	110.0
23.7093.3232	-32	2"	71.4	136.2	125.0
23.7093.4040	-40	2 1/2"	84.1	132.7	114.2
23.7093.4848	-48	3"	101.6	60.5	55.0

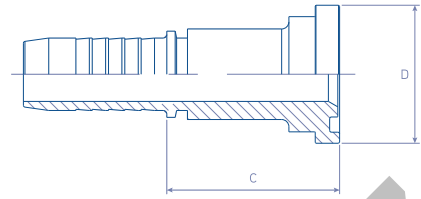
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)

NOTES: Although not in the SAE
or the ISO standard the size 34.0mm
(5/8) is according to JIS standard

Straight SAE 6000 PSI (code 62) Flange (SFS)



23.7016.

ISO 6162-2 / ISO 12151-3 / SAE J516 / SAE J518

REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm
23.7016.0808	-8	1/2"	31.8	46.0
23.7016.0812	-8	1/2"	31.8	46.0
23.7016.1012	-10	5/8"	41.3	46.0
23.7016.1212	-12	3/4"	41.3	46.0
23.7016.1216	-12	3/4"	47.6	56.0
23.7016.1616	-16	1"	47.6	57.0
23.7016.1620	-16	1"	54.0	65.0
23.7016.2020	-20	1.1/4"	54.0	66.0
23.7016.2024	-20	1.1/4"	63.5	75.0
23.7016.2424	-24	1.1/2"	63.5	75.0
23.7016.2432	-24	1.1/2"	79.4	80.0
23.7016.3232	-32	2"	79.4	85.0

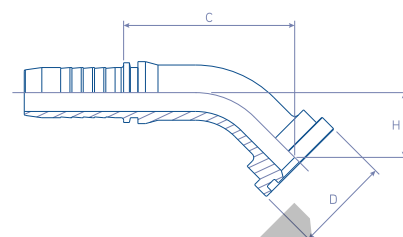
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



45° Swept SAE 6000 PSI (code 62) Flange (SFS 45°)



23.7046.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm	H mm
23.7046.0808	-8	1/2"	31.8	57.0	23.0
23.7046.0812	-8	1/2"	31.8	63.0	30.0
23.7046.1012	-10	5/8"	41.3	68.0	28.0
23.7046.1212	-12	3/4"	41.3	69.0	28.0
23.7046.1216	-12	3/4"	47.6	77.0	33.0
23.7046.1616	-16	1"	47.6	79.0	32.0
23.7046.1620	-16	1"	54.0	93.0	38.0
23.7046.2020	-20	1.1/4"	54.0	110.0	44.0
23.7046.2024	-20	1.1/4"	63.5	112.0	48.0
23.7046.2424	-24	1.1/2"	63.5	110.0	46.0
23.7046.2432	-24	1.1/2"	79.4	134.0	58.0
23.7046.3232	-32	2"	79.4	155.0	64.0

MATERIAL: Carbon Steel

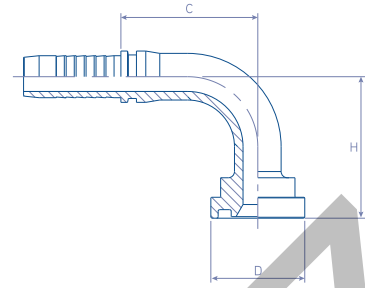
FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)

90° Swept SAE 6000 PSI (code 62) Flange (SFS 90°)

23.7096.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518



REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm	H mm
23.7096.0808	-8	1/2"	31.8	46.5	47.0
23.7096.0812	-8	1/2"	31.8	50.5	56.0
23.7096.1012	-10	5/8"	41.3	53.5	58.0
23.7096.1212	-12	3/4"	41.3	55.5	56.5
23.7096.1216	-12	3/4"	47.6	55.5	65.0
23.7096.1616	-16	1"	47.6	76.0	66.0
23.7096.1620	-16	1"	54.0	78.5	79.5
23.7096.2020	-20	1.1/4"	54.0	101.7	86.0
23.7096.2024	-20	1.1/4"	63.5	102.3	98.0
23.7096.2424	-24	1.1/2"	63.5	111.0	104.0
23.7096.2432	-24	1.1/2"	79.4	113.0	119.5
23.7096.3232	-32	2"	79.4	149.3	134.0

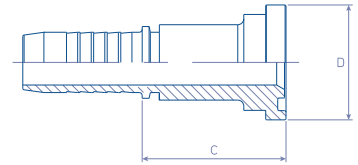
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Straight SUPERCAT Flange



23.7116.

ISO 6162-2 / ISO 12151-3 / SAE J516 / SAE J518

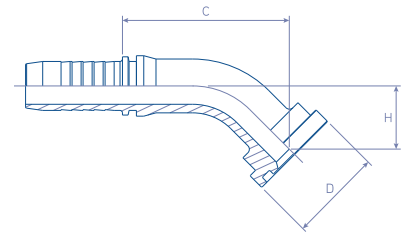
REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm
23.7116.0808	-8	1/2"	31.8	46.0
23.7116.0812	-8	1/2"	31.8	46.0
23.7116.1012	-10	5/8"	41.3	46.0
23.7116.1212	-12	3/4"	41.3	46.0
23.7116.1216	-12	3/4"	47.6	56.0
23.7116.1616	-16	1"	47.6	57.0
23.7116.1620	-16	1"	54.0	65.0
23.7116.2020	-20	1.1/4"	54.0	66.0
23.7116.2024	-20	1.1/4"	63.5	75.0
23.7116.2424	-24	1.1/2"	63.5	75.0
23.7116.2432	-24	1.1/2"	79.4	80.0
23.7116.3232	-32	2"	79.4	85.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

45° Swept SUPERCAT Flange



23.7146.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518

REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm	H mm
23.7146.0808	-8	1/2"	31.8	57.0	23.0
23.7146.0812	-8	1/2"	31.8	63.0	30.0
23.7146.1012	-10	5/8"	41.3	68.0	28.0
23.7146.1212	-12	3/4"	41.3	69.0	28.0
23.7146.1216	-12	3/4"	47.6	77.0	33.0
23.7146.1616	-16	1"	47.6	79.0	32.0
23.7146.1620	-16	1"	54.0	93.0	38.0
23.7146.2020	-20	1.1/4"	54.0	110.0	44.0
23.7146.2024	-20	1.1/4"	63.5	112.0	48.0
23.7146.2424	-24	1.1/2"	63.5	110.0	46.0
23.7146.2432	-24	1.1/2"	79.4	134.0	58.0
23.7146.3232	-32	2"	79.4	155.0	64.0

MATERIAL: Carbon Steel

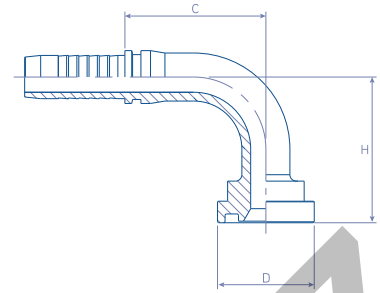
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

90° Swept SUPERCAT Flange

23.7196.

ISO 6162-1 / ISO 12151-3 / SAE J516 / SAE J518



REFERENCE	hose dash	hose Ø inch	D Ø flange mm	C cut off mm	H mm
23.7196.0808	-8	1/2"	31.8	46.5	47.0
23.7196.0812	-8	1/2"	31.8	50.5	56.0
23.7196.1012	-10	5/8"	41.3	53.5	58.0
23.7196.1212	-12	3/4"	41.3	55.5	56.5
23.7196.1216	-12	3/4"	47.6	55.5	65.0
23.7196.1616	-16	1"	47.6	76.0	66.0
23.7196.1620	-16	1"	54.0	78.5	79.5
23.7196.2020	-20	1.1/4"	54.0	101.7	86.0
23.7196.2024	-20	1.1/4"	63.5	102.3	98.0
23.7196.2424	-24	1.1/2"	63.5	111.0	104.0
23.7196.2432	-24	1.1/2"	79.4	113.0	119.5
23.7196.3232	-32	2"	79.4	149.3	134.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

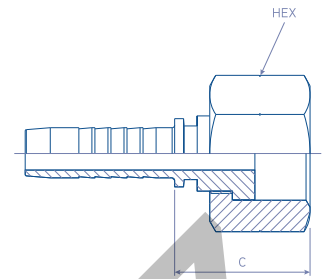
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Female BSP Flat Face Swivel

23.3212.

ISO 12151-6 / ISO 8434-6 / BS 5200



REFERENCE	hose dash	hose Ø inch	thread inch	C cut off mm	HEX mm
23.3212.0404	-4	1/4"	1/8" - 28	15.2	19
23.3212.0508	-5	5/16"	1/2" - 14	18.0	27
23.3212.0606	-6	3/8"	3/8" - 19	16.5	22
23.3212.0608	-6	3/8"	1/2" - 14	18.0	27
23.3212.0808	-8	1/2"	1/2" - 14	18.5	27
23.3212.0812	-8	1/2"	3/4" - 14	20.5	32
23.3212.1012	-10	5/8"	3/4" - 14	21.0	32
23.3212.1212	-12	3/4"	3/4" - 14	21.2	32
23.3212.1216	-12	3/4"	1" - 11	21.7	38
23.3212.1616	-16	1"	1" - 11	22.5	38

MATERIAL: Carbon Steel

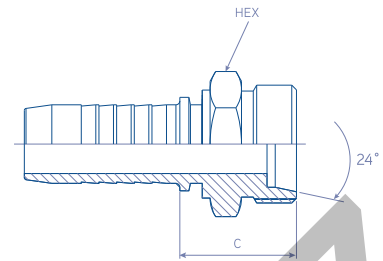
FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)

Male Metric Light Serie 24° Cone Seat (CEL)

23.1000.

ISO 12151-2 / ISO 8434-1



REFERENCE	hose dash	hose Ø inch	thread inch	d - tube mm	C cut off mm	HEX mm
23.1000.0312	-3	3/16"	M12 x 1.5	6	23.0	14
23.1000.0412	-4	1/4"	M12 x 1.5	6	22.2	14
23.1000.0414	-4	1/4"	M14 x 1.5	8	22.7	17
23.1000.0416	-4	1/4"	M16 x 1.5	10	23.7	17
23.1000.0418	-4	1/4"	M18 x 1.5	12	24.7	19
23.1000.0514	-5	5/16"	M14 x 1.5	8	23.0	17
23.1000.0516	-5	5/16"	M16 x 1.5	10	24.0	17
23.1000.0518	-5	5/16"	M18 x 1.5	12	25.0	19
23.1000.0616	-6	3/8"	M16 x 1.5	10	24.0	17
23.1000.0618	-6	3/8"	M18 x 1.5	12	25.0	19
23.1000.0622	-6	3/8"	M22 x 1.5	15	28.0	24
23.1000.0818	-8	1/2"	M18 x 1.5	12	25.5	19
23.1000.0822	-8	1/2"	M22 x 1.5	15	28.5	24
23.1000.0826	-8	1/2"	M26 x 1.5	18	30.0	27
23.1000.1026	-10	5/8"	M26 x 1.5	18	30.0	27
23.1000.1030	-10	5/8"	M30 x 2.0	22	34.0	32
23.1000.1230	-12	3/4"	M30 x 2.0	22	34.2	32
23.1000.1636	-16	1"	M36 x 2.0	28	38.0	41
23.1000.2045	-20	1.1/4"	M45 x 2.0	35	43.0	46
23.1000.2452	-24	1.1/2"	M52 x 2.0	42	45.0	55

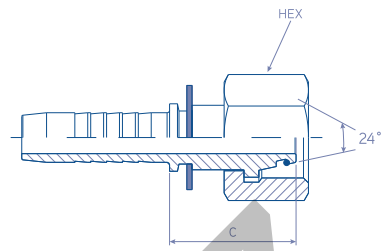
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)



Female Metric Light Serie 24° Cone Seat Swivel (DKOL)



23.5013.

ISO 12151-2 / ISO 8434-1

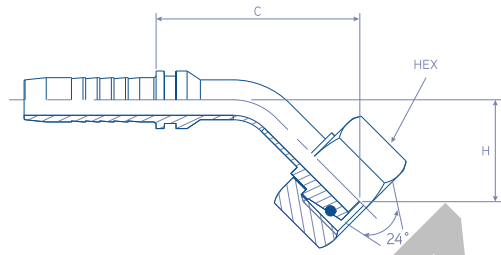
REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	HEX mm
23.5013.0312	-3	3/16"	M12 x 1.5	6	22.5	14
23.5013.0412	-4	1/4"	M12 x 1.5	6	26.7	14
23.5013.0414	-4	1/4"	M14 x 1.5	8	25.7	17
23.5013.0416	-4	1/4"	M16 x 1.5	10	21.8	19
23.5013.0418	-4	1/4"	M18 x 1.5	12	25.2	22
23.5013.0514	-5	5/16"	M14 x 1.5	8	27.5	19
23.5013.0516	-5	5/16"	M16 x 1.5	10	22.1	19
23.5013.0518	-5	5/16"	M18 x 1.5	12	25.5	22
23.5013.0616	-6	3/8"	M16 x 1.5	10	28.5	19
23.5013.0618	-6	3/8"	M18 x 1.5	12	24.6	22
23.5013.0622	-6	3/8"	M22 x 1.5	15	27.5	27
23.5013.0818	-8	1/2"	M18 x 1.5	12	30.5	22
23.5013.0822	-8	1/2"	M22 x 1.5	15	28.0	27
23.5013.0826	-8	1/2"	M26 x 1.5	18	26.8	32
23.5013.1026	-10	5/8"	M26 x 1.5	18	29.0	32
23.5013.1027	-10	5/8"	M27 x 1.5	18	29.0	32
23.5013.1030	-10	5/8"	M30 x 2.0	22	32.0	36
23.5013.1230	-12	3/4"	M30 x 2.0	22	34.7	36
23.5013.1636	-16	1"	M36 x 2.0	28	33.5	41
23.5013.2045	-20	1 1/4"	M45 x 2.0	35	38.5	50
23.5013.2452	-24	1 1/2"	M52 x 2.0	42	39.5	60

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)

45° Swept Female Metric Light Serie 24° Cone Seat Swivel (DKOL 45)



23.5043.

ISO 12151-2 / ISO 8434-1

REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	H mm	HEX mm
23.5043.0312	-3	3/16"	M12 x 1.5	6	38.0	15.0	14
23.5043.0412	-4	1/4"	M12 x 1.5	6	39.0	15.0	14
23.5043.0414	-4	1/4"	M14 x 1.5	8	35.2	16.0	17
23.5043.0416	-4	1/4"	M16 x 1.5	10	36.3	17.0	19
23.5043.0418	-4	1/4"	M18 x 1.5	12	40.0	18.5	22
23.5043.0516	-5	5/16"	M16 x 1.5	10	39.0	17.0	19
23.5043.0518	-5	5/16"	M18 x 1.5	12	42.6	19.0	22
23.5043.0616	-6	3/8"	M16 x 1.5	10	54.8	20.0	19
23.5043.0618	-6	3/8"	M18 x 1.5	12	42.6	19.0	22
23.5043.0622	-6	3/8"	M22 x 1.5	15	45.0	19.0	27
23.5043.0822	-8	1/2"	M22 x 1.5	15	48.2	20.0	27
23.5043.0826	-8	1/2"	M26 x 1.5	18	49.9	21.0	32
23.5043.1026	-10	5/8"	M26 x 1.5	18	62.5	25.0	32
23.5043.1027	-10	5/8"	M27 x 1.5	18	62.5	25.0	32
23.5043.1030	-10	5/8"	M30 x 2.0	22	66.6	25.0	36
23.5043.1230	-12	3/4"	M30 x 2.0	22	78.0	30.0	36
23.5043.1636	-16	1"	M36 x 2.0	28	90.5	33.0	41
23.5043.2045	-20	1.1/4"	M45 x 2.0	35	102.5	40.0	50
23.5043.2452	-24	1.1/2"	M52 x 2.0	42	127.1	45.0	60

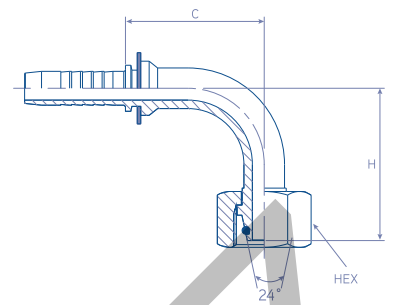
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



90° Swept Female Metric Light Serie 24° Cone Seat Swivel (DKOL 90)



23.5093.

ISO 12151-2 / ISO 8434-1

REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	H mm	HEX mm
23.5093.0312	-3	3/16"	M12 x 1.5	6	30.0	30.0	14
23.5093.0412	-4	1/4"	M12 x 1.5	6	30.7	30.0	14
23.5093.0414	-4	1/4"	M14 x 1.5	8	28.0	30.5	17
23.5093.0416	-4	1/4"	M16 x 1.5	10	28.2	33.0	19
23.5093.0418	-4	1/4"	M18 x 1.5	12	35.0	36.0	22
23.5093.0516	-5	5/16"	M16 x 1.5	10	30.5	33.0	19
23.5093.0518	-5	5/16"	M18 x 1.5	12	36.0	36.0	22
23.5093.0616	-6	3/8"	M16 x 1.5	10	34.0	36.0	19
23.5093.0618	-6	3/8"	M18 x 1.5	12	36.0	36.0	22
23.5093.0622	-6	3/8"	M22 x 1.5	15	37.5	38.0	27
23.5093.0822	-8	1/2"	M22 x 1.5	15	38.2	40.5	27
23.5093.0826	-8	1/2"	M26 x 1.5	18	48.0	47.0	32
23.5093.1026	-10	5/8"	M26 x 1.5	18	54.0	52.0	32
23.5093.1027	-10	5/8"	M27 x 1.5	18	54.0	52.0	32
23.5093.1030	-10	5/8"	M30 x 2.0	22	55.5	57.0	36
23.5093.1230	-12	3/4"	M30 x 2.0	22	55.5	57.0	36
23.5093.1236	-12	3/4"	M36 x 2.0	28	55.5	57.0	41
23.5093.1636	-16	1"	M36 x 2.0	28	78.6	70.0	41
23.5093.2045	-20	1,1/4"	M45 x 2.0	35	85.5	80.0	50
23.5093.2452	-24	1,1/2"	M52 x 2.0	42	116.3	98.0	60

MATERIAL: Carbon Steel

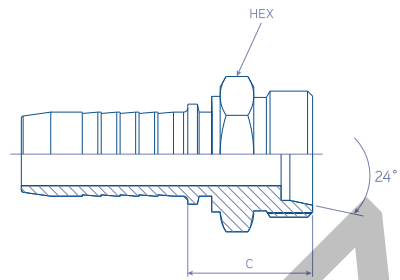
FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)

Male Metric Heavy Serie 24° Cone Seat (CES)

23.1100.

ISO 12151-2 / ISO 8434-1



REFERENCE	hose dash	hose Ø inch	thread inch	d - tube mm	C cut off mm	HEX mm
23.1100.0414	-4	1/4"	M14 x 1.5	6	24.7	17
23.1100.0416	-4	1/4"	M16 x 1.5	8	24.7	17
23.1100.0418	-4	1/4"	M18 x 1.5	10	25.7	19
23.1100.0516	-5	5/16"	M16 x 1.5	8	25.0	17
23.1100.0518	-5	5/16"	M18 x 1.5	10	26.0	19
23.1100.0520	-5	5/16"	M20 x 1.5	12	27.5	22
23.1100.0618	-6	3/8"	M18 x 1.5	10	26.0	19
23.1100.0620	-6	3/8"	M20 x 1.5	12	27.5	22
23.1100.0622	-6	3/8"	M22 x 1.5	14	30.0	24
23.1100.0820	-8	1/2"	M20 x 1.5	12	27.5	22
23.1100.0824	-8	1/2"	M24 x 1.5	16	32.0	27
23.1100.1024	-10	5/8"	M24 x 1.5	16	32.5	27
23.1100.1030	-10	5/8"	M30 x 2.0	20	36.0	32
23.1100.1230	-12	3/4"	M30 x 2.0	20	36.2	32
23.1100.1236	-12	3/4"	M36 x 2.0	25	41.2	41
23.1100.1636	-16	1"	M36 x 2.0	25	42.0	41
23.1100.1642	-16	1"	M42 x 2.0	30	45.5	46
23.1100.2052	-20	1 1/4"	M52 x 2.0	38	51.0	55
23.1100.2452	-24	1 1/2"	M52 x 2.0	38	51.0	55

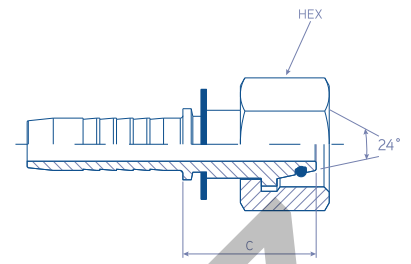
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS)



23.5113.

ISO 12151-2 / ISO 8434-1

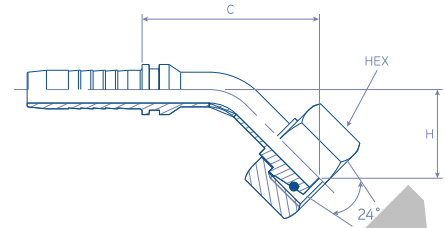
REFERENCE	hose dash	hose Ø inch	thread inch	d - tube mm	C cut off mm	HEX mm
23.5113.0414	-4	1/4"	M14 x 1.5	6	26.2	17
23.5113.0416	-4	1/4"	M16 x 1.5	8	21.7	19
23.5113.0418	-4	1/4"	M18 x 1.5	10	26.2	22
23.5113.0518	-5	5/16"	M18 x 1.5	10	26.5	22
23.5113.0520	-5	5/16"	M20 x 1.5	12	27.5	24
23.5113.0618	-5	5/16"	M18 x 1.5	10	26.5	22
23.5113.0620	-5	5/16"	M20 x 1.5	12	27.5	24
23.5113.0622	-6	3/8"	M22 x 1.5	14	28.5	27
23.5113.0820	-8	1/2"	M20 x 1.5	12	29.0	24
23.5113.0822	-8	1/2"	M22 x 1.5	14	29.0	27
23.5113.0824	-8	1/2"	M24 x 1.5	16	28.5	30
23.5113.1030	-10	5/8"	M30 x 2.0	20	34.0	36
23.5113.1230	-12	3/4"	M30 x 2.0	20	35.7	36
23.5113.1236	-12	3/4"	M36 x 2.0	25	35.7	46
23.5113.1636	-16	1"	M36 x 2.0	25	36.5	46
23.5113.1642	-16	1"	M42 x 2.0	30	39.0	50
23.5113.2052	-20	1,1/4"	M52 x 2.0	30	46.0	50
23.5113.2452	-24	1,1/2"	M52 x 2.0	38	42.5	60

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)

45° Swept Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS 45)



23.5143.

ISO 12151-2 / ISO 8434-1

REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	H mm	HEX mm
23.5143.0414	-4	1/4"	M14 x 1.5	6	35.2	16.0	17
23.5143.0416	-4	1/4"	M16 x 1.5	8	36.3	17.0	19
23.5143.0418	-4	1/4"	M18 x 1.5	10	37.7	17.0	22
23.5143.0518	-5	5/16"	M18 x 1.5	10	40.0	17.0	22
23.5143.0520	-5	5/16"	M20 x 1.5	12	41.0	18.0	24
23.5143.0618	-6	3/8"	M18 x 1.5	10	42.6	19.0	22
23.5143.0620	-6	3/8"	M20 x 1.5	12	42.0	18.0	24
23.5143.0622	-6	3/8"	M22 x 1.5	14	43.0	19.0	27
23.5143.0820	-8	1/2"	M20 x 1.5	12	48.2	20.0	24
23.5143.0824	-8	1/2"	M24 x 1.5	16	49.9	21.0	30
23.5143.1030	-10	5/8"	M30 x 2.0	20	66.6	25.0	36
23.5143.1230	-12	3/4"	M30 x 2.0	20	70.5	30.0	36
23.5143.1236	-12	3/4"	M36 x 2.0	25	84.0	30.5	46
23.5143.1636	-16	1"	M36 x 2.0	25	87.0	36.0	46
23.5143.1642	-16	1"	M42 x 2.0	30	89.0	38.0	50
23.5143.2052	-20	1.1/4"	M52 x 2.0	38	121.3	44.0	60

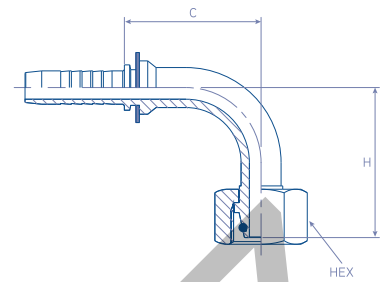
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



90° Swept Female Metric Heavy Serie 24° Cone Seat Swivel (DKOS 90)



23.5193.

ISO 12151-2 / ISO 8434-1

REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	H mm	HEX mm
23.5193.0414	-4	1/4"	M14 x 1.5	6	27.0	30.5	17
23.5193.0416	-4	1/4"	M16 x 1.5	8	28.2	32.5	19
23.5193.0418	-4	1/4"	M18 x 1.5	10	28.2	34.5	22
23.5193.0518	-5	5/16"	M18 x 1.5	10	30.5	36.0	22
23.5193.0520	-5	5/16"	M20 x 1.5	12	30.5	36.0	24
23.5193.0618	-6	3/8"	M18 x 1.5	10	40.0	44.0	22
23.5193.0620	-6	3/8"	M20 x 1.5	12	30.5	36.0	24
23.5193.0622	-6	3/8"	M22 x 1.5	14	33.0	37.0	27
23.5193.0820	-8	1/2"	M20 x 1.5	12	35.0	38.0	24
23.5193.0824	-8	1/2"	M24 x 1.5	16	41.0	42.5	30
23.5193.1024	-10	5/8"	M24 x 1.5	16	55.5	57.5	30
23.5193.1030	-10	5/8"	M30 x 2.0	20	55.5	57.5	36
23.5193.1230	-12	3/4"	M30 x 2.0	20	55.5	57.0	36
23.5193.1236	-12	3/4"	M36 x 2.0	25	55.5	60.0	46
23.5193.1636	-16	1"	M36 x 2.0	25	74.0	71.5	46
23.5193.1642	-16	1"	M42 x 2.0	30	74.0	75.0	50
23.5193.2052	-20	1,1/4"	M52 x 2.0	38	89.0	87.0	60

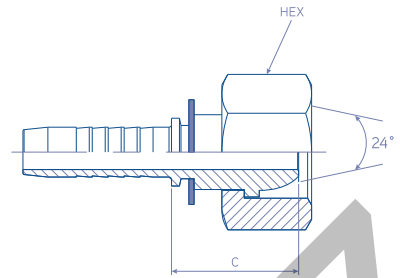
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Female Metric 24°/60° C one Seat Swivel (DKL)

23.5213.
DIN 3868



REFERENCE	hose dash	hose Ø inch	thread inch	d - tube mm	C cut off mm	HEX mm
23.5213.0414	- 4	1/4"	M14 x 1.5	8	25.7	17
23.5213.0516	- 5	5/16"	M16 x 1.5	10	22.1	19
23.5213.0518	- 5	5/16"	M18 x 1.5	12	25.5	22
23.5213.0616	- 6	3/8"	M16 x 1.5	10	28.5	19
23.5213.0618	- 6	3/8"	M18 x 1.5	12	24.6	22
23.5213.0822	- 8	1/2"	M22 x 1.5	15	28.0	27
23.5213.1026	- 10	5/8"	M26 x 1.5	18	29.0	32

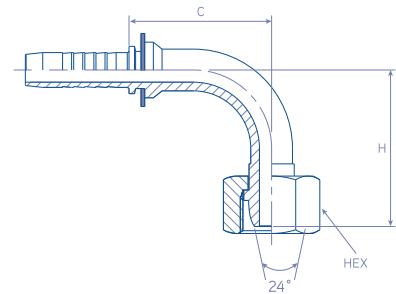
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

90° Swept Female Metric 24°/60° Cone Seat Swivel (DKL)

23.5293.
DIN 3868



REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	H mm	HEX mm
23.5293.0414	- 4	1/4"	M14 x 1.5	8	28.0	30.5	17
23.5293.0516	- 5	5/16"	M16 x 1.5	10	30.5	33.0	19
23.5293.0518	- 5	5/16"	M18 x 1.5	12	36.0	36.0	22
23.5293.0616	- 6	3/8"	M16 x 1.5	10	34.0	36.0	19
23.5293.0618	- 6	3/8"	M18 x 1.5	12	36.0	36.0	22
23.5293.0822	- 8	1/2"	M22 x 1.5	15	38.2	40.5	27
23.5293.1026	- 10	5/8"	M26 x 1.5	18	54.0	52.0	32

MATERIAL: Carbon Steel

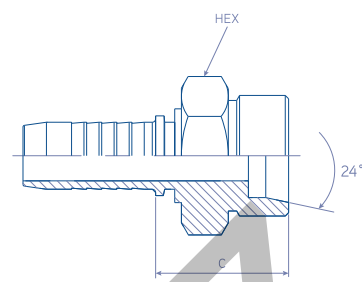
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Male Metric French Serie 24° Cone Seat (AGF)

23.1200.



REFERENCE	hose dash	hose Ø inch	thread inch	d - tube mm	C cut off mm	HEX mm
23.1200.0520	- 5	5/16"	M20 x 1.5	13.25	27.5	22
23.1200.0620	- 6	3/8"	M20 x 1.5	13.25	27.5	22
23.1200.0824	- 8	1/2"	M24 x 1.5	16.75	32.0	24
23.1200.1030	- 10	5/8"	M30 x 1.5	21.25	32.5	30
23.1200.1230	- 12	3/4"	M30 x 1.5	21.25	36.0	30
23.1200.1236	- 12	3/4"	M36 x 1.5	26.75	36.2	36
23.1200.1645	- 16	1"	M45 x 1.5	33.50	41.2	46

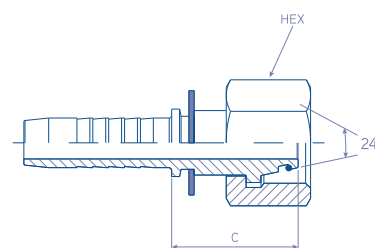
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Female Metric French Serie 24° Cone Seat Swivel (DKF)

23.5513.



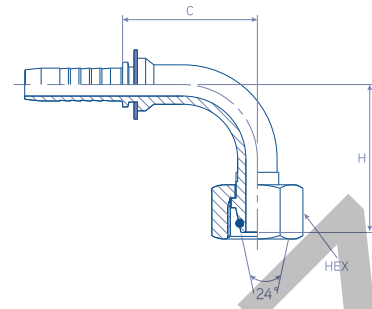
REFERENCE	hose dash	hose Ø inch	thread inch	d - tube mm	C cut off mm	HEX mm
23.5513.0520	- 5	5/16"	M20 x 1.5	13.25	27.5	27
23.5513.0620	- 6	3/8"	M20 x 1.5	13.25	27.5	27
23.5513.0824	- 8	1/2"	M24 x 1.5	16.75	32.0	30
23.5513.1030	- 10	5/8"	M30 x 1.5	21.25	32.5	36
23.5513.1230	- 12	3/4"	M30 x 1.5	21.25	36.0	36
23.5513.1236	- 12	3/4"	M36 x 1.5	26.75	36.2	46
23.5513.1645	- 16	1"	M45 x 1.5	33.50	41.2	55

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

90° Swept Female Metric French Serie 24° Cone Seat Swivel (DKF)



23.5593.

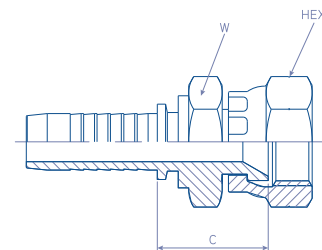
REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	H mm	HEX mm
23.5593.0520	- 5	5/16"	M20 x 1.5	13.25	30.5	36.0	27
23.5593.0620	- 6	3/8"	M20 x 1.5	13.25	30.5	36.0	27
23.5593.0824	- 8	1/2"	M24 x 1.5	16.75	41.0	42.5	30
23.5593.1030	- 10	5/8"	M30 x 1.5	21.25	55.5	57.5	36
23.5593.1236	- 12	3/4"	M36 x 1.5	26.75	55.5	60.0	46
23.5593.1645	- 16	1"	M45 x 1.5	33.50	74.0	75.0	55

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Female JIS 60° Cone Seat Swivel (TOYOTA)



23.3712.

JIS B8363

REFERENCE	hose dash	hose Ø inch	thread inch	d - tube mm	C cut off mm	W mm	HEX mm
23.3712.0404	-4	1/4"	1/4" - 19	21	19	19	19
23.3712.0606	-6	3/8"	3/8" - 19	22	22	19	19
23.3712.0808	-8	1/2"	1/2" - 14	25	27	22	22
23.3712.1212	-12	3/4"	3/4" - 14	28	32	30	30
23.3712.1616	-16	1"	1" - 11	33	38	32	32
23.3712.2020	-20	1.1/4"	1.1/4" - 11	35	50	46	46
23.3712.2424	-24	1.1/2"	1.1/2" - 11	28	55	50	50

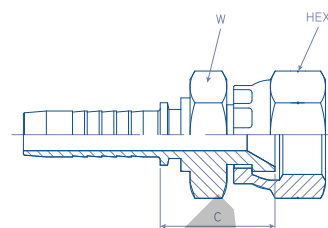
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Female JIS 60° Cone Seat Swivel (KOMATSU)



23.5911.
JIS B8363

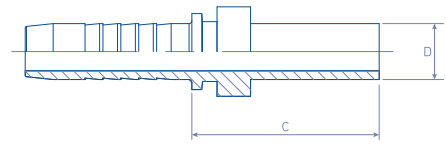
REFERENCE	hose dash	hose Ø inch	thread inch	d tube mm	C cut off mm	W mm	HEX mm
23.5911.0414	-4	1/4"	M14 x 1.5	22.2	19	27	19
23.5911.0616	-5	5/16"	M16 x 1.5	23.5	22	27	19
23.5911.0618	-6	3/8"	M18 x 1.5	24.5	24	30	19
23.5911.0822	-8	1/2"	M22 x 1.5	27.0	27	36	22
23.5911.1024	-10	5/8"	M24 x 1.5	28.5	32	46	24
23.5911.1230	-12	3/4"	M30 x 1.5	31.7	36	55	30
23.5911.1633	-16	1"	M33 x 1.5	33.5	41	36	32
23.5911.2036	-20	1.1/4"	M36 x 1.5	37.5	46	46	41
23.5911.2442	-24	1.1/2"	M42 x 1.5	42.0	55	55	50

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Metric Standpipe (BEL)



23.6000.

REFERENCE	hose dash	hose Ø inch	d - tube inch	C cut off mm
23.6000.0304	-3	3/16"	4	24.5
23.6000.0306	-3	3/16"	6	29.5
23.6000.0308	-3	3/16"	8	31.0
23.6000.0406	-4	1/4"	6	28.0
23.6000.0408	-4	1/4"	8	30.5
23.6000.0410	-4	1/4"	10	33.0
23.6000.0412	-4	1/4"	12	33.0
23.6000.0510	-5	5/16"	10	33.5
23.6000.0512	-5	5/16"	12	33.5
23.6000.0610	-6	3/8"	10	30.5
23.6000.0612	-6	3/8"	12	30.5
23.6000.0614	-6	3/8"	14	30.5
23.6000.0615	-6	3/8"	15	30.5
23.6000.0814	-8	1/2"	14	36.0
23.6000.0815	-8	1/2"	15	32.0
23.6000.0816	-8	1/2"	16	37.0
23.6000.0818	-8	1/2"	18	37.0
23.6000.1018	-10	5/8"	18	34.0
23.6000.1020	-10	5/8"	20	44.0
23.6000.1022	-10	5/8"	22	44.5
23.6000.1220	-12	3/4"	20	44.5
23.6000.1222	-12	3/4"	22	36.5
23.6000.1225	-12	3/4"	25	49.5
23.6000.1625	-16	1"	25	51.0
23.6000.1628	-16	1"	28	40.0
23.6000.1630	-16	1"	30	54.0
23.6000.1638	-16	1"	38	60.0
23.6000.2030	-20	1.1/4"	30	58.0
23.6000.2035	-20	1.1/4"	35	48.0
23.6000.2038	-20	1.1/4"	38	62.0
23.6000.2438	-24	1.1/2"	38	63.0
23.6000.2442	-24	1.1/2"	42	50.0

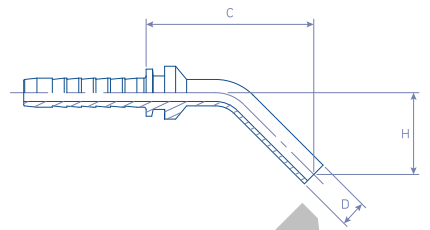
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



45° Swept Metric Standpipe (BEL 45)



23.6040.

REFERENCE	hose dash	hose Ø inch	d tube inch	C cut off mm	H mm
23.6040.0306	-3	3/16"	6	33	26
23.6040.0308	-3	3/16"	8	38	26
23.6040.0406	-4	1/4"	6	41	24
23.6040.0408	-4	1/4"	8	43	25
23.6040.0410	-4	1/4"	10	47	30
23.6040.0412	-4	1/4"	12	47	30
23.6040.0510	-5	5/16"	10	49	30
23.6040.0512	-5	5/16"	12	53	32
23.6040.0610	-6	3/8"	10	50	33
23.6040.0612	-6	3/8"	12	52	33
23.6040.0614	-6	3/8"	14	43	34
23.6040.0615	-6	3/8"	15	45	37
23.6040.0814	-8	1/2"	14	42	34
23.6040.0815	-8	1/2"	15	46	37
23.6040.0816	-8	1/2"	16	45	36
23.6040.0818	-8	1/2"	18	61	32
23.6040.1018	-10	5/8"	18	61	32
23.6040.1020	-10	5/8"	20	62	34
23.6040.1022	-10	5/8"	22	68	35
23.6040.1220	-12	3/4"	20	68	35
23.6040.1222	-12	3/4"	22	68	35
23.6040.1225	-12	3/4"	25	75	39
23.6040.1625	-16	1"	25	74	39
23.6040.1628	-16	1"	28	87	49
23.6040.1630	-16	1"	30	84	43
23.6040.2030	-20	1.1/4"	30	85	43
23.6040.2035	-20	1.1/4"	35	93	45
23.6040.2038	-20	1.1/4"	38	94	50
23.6040.2438	-24	1.1/2"	38	94	50
23.6040.2442	-24	1.1/2"	42	113	57

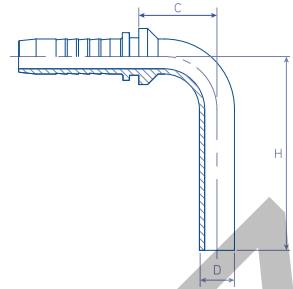
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

90° Swept Metric Standpipe (BEL 90)

23.6090.



REFERENCE	hose dash	hose Ø inch	d tube inch	C cut off mm	H mm
23.6090.0306	-3	3/16"	6	24	37
23.6090.0308	-3	3/16"	8	24	39
23.6090.0406	-4	1/4"	6	23	32
23.6090.0408	-4	1/4"	8	25	34
23.6090.0410	-4	1/4"	10	25	43
23.6090.0412	-4	1/4"	12	25	37
23.6090.0510	-5	5/16"	10	29	40
23.6090.0512	-5	5/16"	12	29	45
23.6090.0610	-6	3/8"	10	27	40
23.6090.0612	-6	3/8"	12	30	44
23.6090.0614	-6	3/8"	14	33	45
23.6090.0615	-6	3/8"	15	38	53
23.6090.0814	-8	1/2"	14	33	49
23.6090.0815	-8	1/2"	15	39	53
23.6090.0816	-8	1/2"	16	42	56
23.6090.0818	-8	1/2"	18	42	57
23.6090.1018	-10	5/8"	18	42	57
23.6090.1020	-10	5/8"	20	42	66
23.6090.1022	-10	5/8"	22	53	71
23.6090.1220	-12	3/4"	20	49	66
23.6090.1222	-12	3/4"	22	54	71
23.6090.1225	-12	3/4"	25	57	76
23.6090.1625	-16	1"	25	58	76
23.6090.1628	-16	1"	28	65	83
23.6090.1630	-16	1"	30	66	89
23.6090.2030	-20	1.1/4"	30	67	89
23.6090.2035	-20	1.1/4"	35	77	97
23.6090.2038	-20	1.1/4"	38	81	106
23.6090.2438	-24	1.1/2"	38	81	106
23.6090.2442	-24	1.1/2"	42	92	118

MATERIAL: Carbon Steel

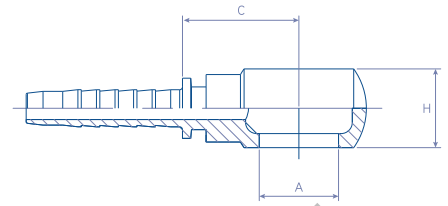
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Metric Banjo (RNM)

23.6400.
DIN 7642



REFERENCE	hose dash	hose Ø inch	C cut off inch	A mm	H mm
23.6400.0310	-3	3/16"	15.5	10.2	10.0
23.6400.0312	-3	3/16"	17.0	12.2	12.0
23.6400.0410	-4	1/4"	17.0	10.2	10.0
23.6400.0412	-4	1/4"	21.0	12.2	12.0
23.6400.0414	-4	1/4"	21.0	14.2	14.0
23.6400.0416	-4	1/4"	22.5	16.2	18.0
23.6400.0514	-5	5/16"	19.0	14.2	14.0
23.6400.0516	-5	5/16"	22.5	16.2	18.0
23.6400.0518	-5	5/16"	24.0	18.2	20.0
23.6400.0614	-6	3/8"	21.0	14.2	14.0
23.6400.0616	-6	3/8"	22.5	16.2	18.0
23.6400.0618	-6	3/8"	24.0	18.2	20.0
23.6400.0622	-6	3/8"	28.1	22.2	22.0
23.6400.0816	-8	1/2"	26.0	16.2	18.0
23.6400.0818	-8	1/2"	24.5	18.2	20.0
23.6400.0822	-8	1/2"	27.5	22.2	22.0
23.6400.1022	-10	5/8"	27.5	22.2	22.0
23.6400.1026	-10	5/8"	32.0	26.2	29.0
23.6400.1226	-12	3/4"	32.0	26.2	29.0
23.6400.1230	-12	3/4"	36.5	30.2	37.0
23.6400.1630	-16	1"	36.5	30.2	37.0

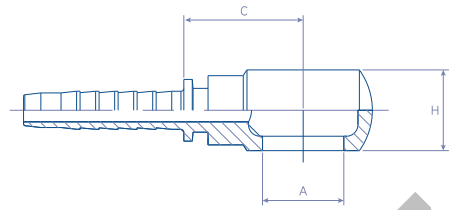
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating /
ROHS compliant

VERSIONS: Stainless Steel (add an 'S'
at the end of the REFERENCE)

BSP Banjo (RNR)

23.6500.
BS 5200



REFERENCE	hose dash	hose Ø inch	inch	C cut off mm	A mm	H mm
23.6500.0302	-3	3/16"	1/8"	19.0	1/8"	16.0
23.6500.0304	-3	3/16"	1/4"	20.0	1/4"	15.0
23.6500.0404	-4	1/4"	1/4"	19.2	1/4"	15.0
23.6500.0406	-4	1/4"	3/8"	21.7	3/8"	18.0
23.6500.0504	-5	5/16"	1/4"	19.0	1/4"	15.0
23.6500.0506	-5	5/16"	3/8"	22.5	3/8"	20.0
23.6500.0604	-6	3/8"	1/4"	19.5	1/4"	15.0
23.6500.0606	-6	3/8"	3/8"	22.0	3/8"	20.0
23.6500.0608	-6	3/8"	1/2"	27.5	1/2"	25.0
23.6500.0806	-8	1/2"	3/8"	22.5	3/8"	20.0
23.6500.0808	-8	1/2"	1/2"	28.0	1/2"	25.0
23.6500.1018	-10	5/8"	1/2"	28.0	1/2"	25.0
23.6500.1010	-10	5/8"	5/8"	27.5	5/8"	27.0
23.6500.1012	-10	5/8"	3/4"	31.5	3/4"	31.0
23.6500.1212	-12	3/4"	3/4"	32.0	3/4"	31.0
23.6500.1216	-12	3/4"	1"	39.7	1"	42.0
23.6500.1616	-16	1"	1"	40.5	1"	42.0

MATERIAL: Carbon Steel

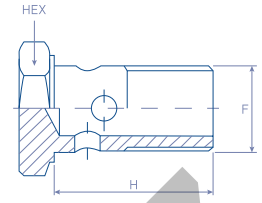
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



BSP Banjo Bolt

88.1600.



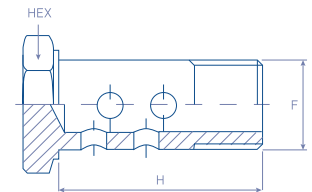
REFERENCE	F inch	H mm	HEX mm
88.1600.02	1/8"	19.0	14
88.1600.04	1/4"	25.0	19
88.1600.06	3/8"	31.0	22
88.1600.08	1/2"	38.0	27
88.1600.10	5/8"	41.0	30
88.1600.12	3/4"	46.0	32
88.1600.16	1"	58.0	41

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

BSP Banjo Double Bolt

88.1602.



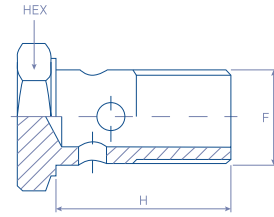
REFERENCE	F inch	H mm	HEX mm
88.1602.02	1/8"	33.0	14
88.1602.04	1/4"	43.0	19
88.1602.06	3/8"	51.0	22
88.1602.08	1/2"	63.0	27
88.1602.12	3/4"	80.0	32
88.1602.16	1"	110.0	41
88.1600.16	1"	58.0	41

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

Metric Banjo Bolt

88.1650.



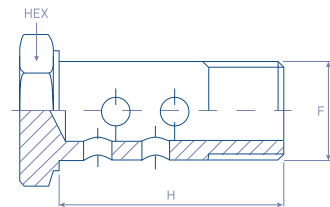
REFERENCE	F mm	H mm	HEX mm
88.1650.08	M8 x 1.0	16.0	12
88.1650.10	M10 x 1.0	19.0	14
88.1650.12	M12 x 1.5	23.0	17
88.1650.14	M14 x 1.5	25.0	19
88.1650.16	M16 x 1.5	31.0	22
88.1650.18	M18 x 1.5	36.0	24
88.1650.20	M20 x 1.5	38.0	27
88.1650.22	M22 x 1.5	38.0	27
88.1650.24	M24 x 1.5	41.0	30
88.1650.26	M26 x 1.5	46.0	32
88.1650.30	M30 x 1.5	58.0	38

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

Metric Banjo Double Bolt

88.1652.



REFERENCE	F mm	H mm	Hex mm
88.1652.08	M8 x 1.0	29.0	12
88.1652.10	M10 x 1.0	33.0	14
88.1652.12	M12 x 1.5	37.0	17
88.1652.14	M14 x 1.5	43.0	19
88.1652.16	M16 x 1.5	51.0	22
88.1652.18	M18 x 1.5	57.0	24
88.1652.22	M22 x 1.5	63.0	27

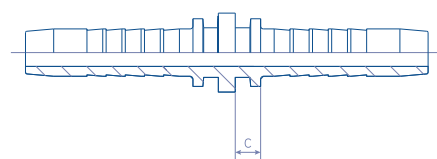
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant



Hose Connector

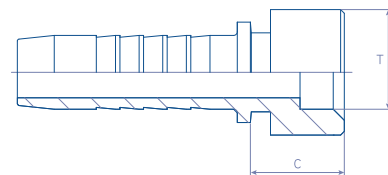
23.8100.



REFERENCE	hose	hose	C cut off
	dash	inch	mm
23.8100.03	-3	3/16"	17.0
23.8100.04	-4	1/4"	17.0
23.8100.05	-5	5/16"	17.0
23.8100.06	-6	3/8"	17.0
23.8100.08	-8	1/2"	18.0
23.8100.10	-10	5/8"	18.0
23.8100.12	-12	3/4"	19.0
23.8100.16	-16	1"	21.0

Brazing Tail

23.8150.



REFERENCE	hose	hose	C cut off	T
	dash	inch	mm	inch
23.8150.03	-3	3/16"	11.0	6.0
23.8150.04	-4	1/4"	12.5	8.0
23.8150.05	-5	5/16"	13.0	10.0
23.8150.06	-6	3/8"	14.0	12.0
23.8150.08	-8	1/2"	15.5	15.0
23.8150.10	-10	5/8"	16.5	18.0
23.8150.12	-12	3/4"	18.0	20.0
23.8150.16	-16	1"	20.5	25.0

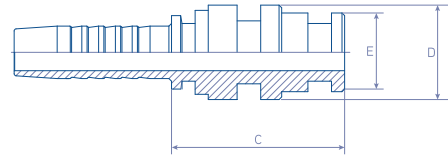
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Staple Lock Male

23.8300.



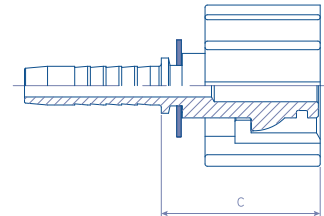
REFERENCE	hose dash	hose Ø inch	C cut off inch	D mm	E mm
23.8300.04	-4	1/4"	35.5	14.9	9.9
23.8300.06	-6	3/8"	34.5	19.9	13.9
23.8300.08	-8	1/2"	35.0	23.9	17.9
23.8300.10	-10	5/8"	36.0	25.9	20.9
23.8300.12	-12	3/4"	35.5	28.9	23.9
23.8300.16	-16	1"	44.0	38.9	30.9
23.8300.20	-20	1.1/4"	47.0	45.9	37.9
23.8300.24	-24	1.1/2"	51.0	54.9	46.9
23.8300.32	-32	2"	57.0	63.9	55.9

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

Balwash Female Swivel (Karcher)

23.6213.



REFERENCE	hose dash	hose inch	thread	C cut off mm
23.6213.0422	-4	1/4"	M22 x 1.5	31.0
23.6213.0522	-4	5/16"	M22 x 1.5	31.0
23.6213.0622	-5	3/8"	M22 x 1.5	31.0

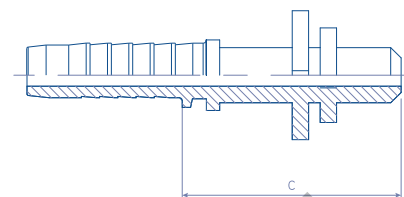
MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant



Balwash Standpipe wit O-ring (Karcher)

23.6214.



REFERENCE	hose dash	hose inch	tube	C cut off mm
23.6214.04	-4	1/4"	10.0	33.0
23.6214.05	-4	5/16"	10.0	33.0

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating /
ROHS compliant

Balwash Rubber Handle

11.800.



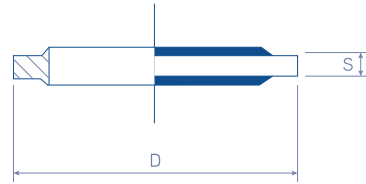
REFERENCE	hose dash	hose inch	I.D. mm
11.800.18	-5	5/16"	18.0
11.800.21	-6	3/8"	21.0

MATERIAL: Rubber

VERSIONS: Blue colour (add an 'A'
at the end of the REFERENCE)

BSP Bonded Seals

88.2003.



REFERENCE	I inch	S mm	D mm
88.2003.02	1/8"	2.1	16.0
88.2003.04	1/4"	2.1	20.5
88.2003.02	1/8"	2.1	16.0
88.2003.04	1/4"	2.1	20.5
88.2003.02	1/8"	2.1	16.0
88.2003.04	1/4"	2.1	20.5
88.2003.02	1/8"	2.1	16.0
88.2003.04	1/4"	2.1	20.5
88.2003.02	1/8"	2.1	16.0
88.2003.04	1/4"	2.1	20.5

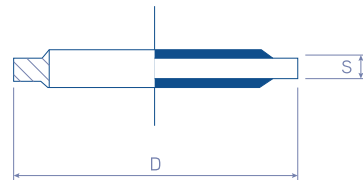
MATERIAL: Rubber Ring (NBR) and mild steel ring

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)

Metric Bonded Seals

88.2004.



REFERENCE	I inch	S mm	D mm
88.2004.06	6	1.3	12.0
88.2004.08	8	1.3	14.0
88.2004.10	10	2.1	16.0
88.2004.12	12	2.1	18.0
88.2004.14	14	2.1	22.0
88.2004.16	16	2.1	25.0
88.2004.18	18	2.5	25.0
88.2004.20	20	2.5	28.0
88.2004.22	22	2.5	32.0
88.2004.24	24	2.5	33.0
88.2004.26	26	2.5	35.0
88.2004.30	30	2.5	39.0

MATERIAL: Rubber Ring (NBR) and mild steel ring

FINISH: Chromium-(VI) Free plating / ROHS compliant

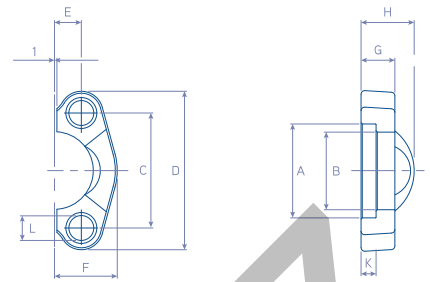
VERSIONS: Stainless Steel (add an 'S' at the end of the REFERENCE)



Split Flange 3000 PSI (code 61)

88.5300.

ISO 6162-1 / SAE J518



REFERENCE	size	A	B	C	D	E	F	G	H	K	L	Bolts	
												M	UNC
88.5300.08	1/2"	31	24	38	54	9	23	13	19	6	9	M8	5/16"
88.5300.12	3/4"	39	32	48	65	11	26	14	22	6	11	M10	3/8"
88.5300.16	1"	45	38	52	70	13	29	16	24	7	11	M10	3/8"
88.5300.20	1.1/4"	52	44	59	79	15	36	14	22	7	12	M10	7/16"
88.5300.24	1.1/2"	61	51	70	94	18	41	16	25	7	15	M14	1/2"
88.5300.32	2"	72	63	78	102	21	48	16	26	9	14	M12	1/2"

MATERIAL: Carbon Steel

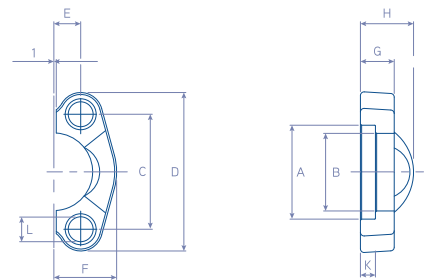
FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Uncut flange (88.5302)

Split Flange 6000 PSI (code 62)

88.5600.

ISO 6162-1 / SAE J518



REFERENCE	size	A	B	C	D	E	F	G	H	K	L	Bolts	
												M	UNC
88.5600.08	1/2"	33	25	41	56	9	24	16	22	7	9	M8	5/16"
88.5600.12	3/4"	42	33	51	71	12	30	19	28	8	11	M10	3/8"
88.5600.16	1"	48	39	57	81	14	35	24	33	9	13	M12	7/16"
88.5600.20	1.1/4"	55	44	67	95	16	39	27	38	10	15	M14	1/2"
88.5600.24	1.1/2"	64	52	79	113	18	48	30	43	12	17	M16	5/8"
88.5600.32	2"	80	68	97	133	22	57	37	52	12	21	M20	3/4"

MATERIAL: Carbon Steel

FINISH: Chromium-(VI) Free plating / ROHS compliant

VERSIONS: Uncut flange (88.5602)