Product range 3 – Adapters

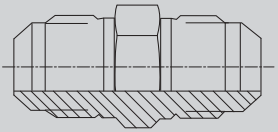
HANSA FLEX
Hydraulikschläuche

G HSA

Male connector

male NPT thread, metallic sealing, male thread with 45° cone

Article category 3000



Designation	*Connection port 1*	*Connection port 2*	*Connection thread*
G HSA 06	6	6	5/8-18 UNF

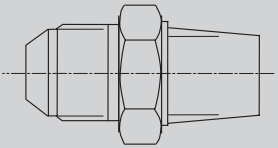
GEHN HJ

Straight coupling

Male NPT thread, metallic sealing,

male thread with 74° cone, metallic sealing

Article category 3001



Designation	Connection port 1	Connection port 2	Thread for stud ends - NPT	Connection thread JIC
GE HN 02 HJ 04	2	4	1/8	7/16-20
GE HN 02 HJ 05	2	5	1/8	1/2-20
GE HN 02 HJ 06	2	6	1/8	9/16-18
GE HN 02 HJ 08	2	8	1/8	3/4-16
GE HN 04 HJ	4	4	1/4	7/16-20
GE HN 04 HJ 05	4	5	1/4	1/2-20
GE HN 04 HJ 06	4	6	1/4	9/16-18
GE HN 04 HJ 08	4	8	1/4	3/4-16
GE HN 06 HJ	6	6	3/8	9/16-18
GE HN 06 HJ 04	6	4	3/8	7/16-20
GE HN 06 HJ 05	6	5	3/8	1/2-20
GE HN 06 HJ 08	6	8	3/8	3/4-16
GE HN 06 HJ 10	6	10	3/8	7/8-14
GE HN 06 HJ 12	6	12	3/8	1-1/16-12
GE HN 08 HJ 04	8	4	1/2	7/16-20
GE HN 08 HJ 05	8	5	1/2	1/2-20
GE HN 08 HJ 06	8	6	1/2	9/16-18
GE HN 08 HJ	8	8	1/2	3/4-16
GE HN 08 HJ 10	8	10	1/2	7/8-14
GE HN 08 HJ 12	8	12	1/2	1 1/16-12
GE HN 08 HJ 16	8	16	1/2	1-5/16

-->

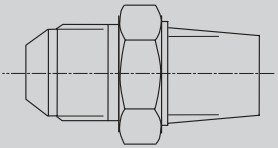
GEHN HJ

Straight coupling

Male NPT thread, metallic sealing,

male thread with 74° cone, metallic sealing

Article category 3001



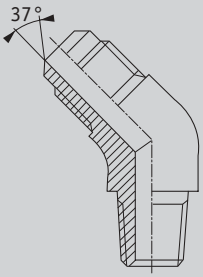
Designation	Connection port 1	Connection port 2	Thread for stud ends - NPT	Connection thread JIC
<--				
GE HN 12 HJ 04	12	4	3/4	7/16-20
GE HN 12 HJ 08	12	8	3/4	3/4-16
GE HN 12 HJ 10	12	10	3/4	7/8-14
GE HN 12 HJ	12	12	3/4	1 1/16-12
GE HN 12 HJ 14	12	14	3/4	1.3/16-12
GE HN 12 HJ 16	12	16	3/4	1.5/16-12
GE HN 16 HJ	16	16	1	1 5/16-12
GE HN 16 HJ 12	16	12	1	1 1/16-12
GE HN 16 HJ 20	16	20	1	1 5/8-12
GE HN 16 HJ 24	16	24	1	1 7/8-12
GE HN 20 HJ 12	20	12	1 1/4	1-1/16-12
GE HN 20 HJ 16	20	16	1 1/4	1-5/16-14
GE HN 20 HJ	20	20	1 1/4	1 5/8-12
GE HN 20 HJ 24	20	24	1 1/4	1 7/8-12
GE HN 20 HJ 32	20	32	1 1/4	2 1/2-12
GE HN 24 HJ 12	24	12	1 1/2	1-1/16-12
GE HN 24 HJ 16	24	16	1 1/2	1-5/16-14
GE HN 24 HJ 20	24	20	1 1/2	1 5/8-12
GE HN 24 HJ	24	24	1 1/2	1 7/8-12
GE HN 24 HJ 32	24	32	1 1/2	2 1/2-12
GE HN 32 HJ	32	32	2	2 1/2-12

W 45 HN HJ

Connector 45°

Male NPT thread, metallic sealing, male UNF thread with 74° cone, metallic sealing

Article category 3001



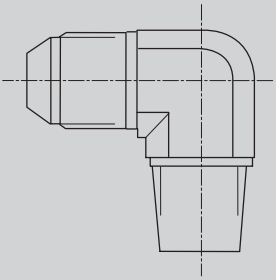
Designation	Connection port 1	Connection port 2	Thread for stud ends - NPT	Connection thread JIC
W 45 HN 02 HJ 04	2	4	1/8	7/16-20
W 45 HN 02 HJ 05	2	5	1/8	1/2-20
W 45 HN 02 HJ 06	2	6	1/8	9/16-18
W 45 HN 04 HJ	4	4	1/4	7/16-20
W 45 HN 04 HJ 05	4	5	1/4	1/2-20
W 45 HN 04 HJ 06	4	6	1/4	9/16-18
W 45 HN 04 HJ 08	4	8	1/4	3/4-16
W 45 HN 06 HJ	6	6	3/8	9/16-18
W 45 HN 06 HJ 08	6	8	3/8	3/4-16
W 45 HN 06 HJ 10	6	10	3/8-18	7/8-14
W 45 HN 08 HJ	8	8	1/2	3/4-16
W 45 HN 08 HJ 06	8	6	1/2	9/16-18
W 45 HN 08 HJ 10	8	10	1/2	7/8-14
W 45 HN 08 HJ 12	8	12	1/2	1 1/16-12
W 45 HN 12 HJ	12	12	3/4	1 1/16-12
W 45 HN 12 HJ 08	12	8	3/4	3/4-16
W 45 HN 12 HJ 14	12	14	3/4	1 3/16-12
W 45 HN 12 HJ 16	12	16	3/4	1 5/16-12
W 45 HN 16 HJ	16	16	1	1 5/16-12
W 45 HN 16 HJ 12	16	12	1	1 1/16-12
W 45 HN 20 HJ	20	20	1 1/4	1 5/8-12
W 45 HN 24 HJ	24	24	1 1/2	1 7/8-12

W 90 HN HJ

Connector 90°

Male NPT thread, metallic sealing, male UNF thread with 74° cone, metallic sealing

Article category 3001



Designation	*Connection port 1*	*Connection port 2*	*Thread for stud ends - NPT*	*Connection thread JIC*
W 90 HN 02 HJ 04	2	4	1/8	7/16-20
W 90 HN 02 HJ 05	2	5	1/8	1/2-12
W 90 HN 02 HJ 06	2	6	1/8	9/16-18
W 90 HN 04 HJ	4	4	1/4	7/16-20
W 90 HN 04 HJ 05	4	5	1/4	1/2-20
W 90 HN 04 HJ 06	4	6	1/4	9/16-18
W 90 HN 04 HJ 08	4	8	1/4	3/4-16
W 90 HN 06 HJ 04	6	4	3/8	7/16-20
W 90 HN 06 HJ	6	6	3/8	9/16-18
W 90 HN 06 HJ 08	6	8	3/8	3/4-16
W 90 HN 06 HJ 10	6	10	3/8	7/8-14
W 90 HN 08 HJ 04	8	4	1/2	7/16-20
W 90 HN 08 HJ	8	8	1/2	3/4-16
W 90 HN 08 HJ 06	8	6	1/2	9/16-18
W 90 HN 08 HJ 10	8	10	1/2	7/8-14
W 90 HN 08 HJ 12	8	12	1/2	1 1/16-12
W 90 HN 12 HJ	12	12	3/4	1 1/16-12
W 90 HN 12 HJ 08	12	8	3/4	3/4-16
W 90 HN 12 HJ 10	12	10	3/4	7/8-14
W 90 HN 12 HJ 14	12	14	3/4	1 3/16-12
W 90 HN 12 HJ 16	12	16	3/4	1 5/16-12

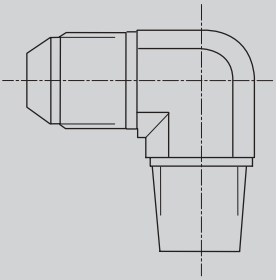
-->

W 90 HN HJ

Connector 90°

Male NPT thread, metallic sealing, male UNF thread with 74° cone, metallic sealing

Article category 3001



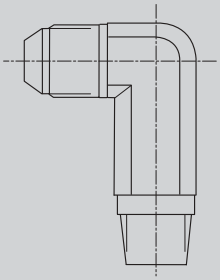
Designation	*Connection port 1*	*Connection port 2*	*Thread for stud ends - NPT*	*Connection thread JIC*
<--				
W 90 HN 16 HJ	16	16	1	1 5/16-12
W 90 HN 16 HJ 12	16	12	1	1 1/16-12
W 90 HN 16 HJ 20	16	20	1	1 5/8-12
W 90 HN 20 HJ 16	20	16	1 1/4	1 5/16-32
W 90 HN 20 HJ	20	20	1 1/4	1 5/8-12
W 90 HN 24 HJ	24	24	1 1/2	1 7/8-12
W 90 HN 32 HJ	32	32	2	2 1/2-12

W 90 HNL HJ

Connector 90°

Male NPT thread, metallic sealing, male UNF thread with 74° cone, metallic sealing

Article category 3001



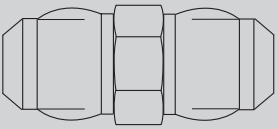
Designation	*Connection port 1*	*Connection port 2*	*Thread for stud ends - NPT*	*Connection thread JIC*
W 90 HNL 04 HJ 06	4	6	1/4	9/16-18
W 90 HNL 08 HJ 10	8	10	1/2	7/8-14
W 90 HNL 16 HJ	16	16	1	1 5/16-12

GHJ HJ

Straight connector

male UNF thread with 74° cone, metallic sealing

Article category 3002



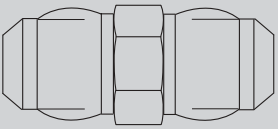
Designation	*Connection port 1*	*Connection port 2*	*Connection thread 1 JIC*	*Connection thread 2 JIC*
G HJ 04 HJ 05	4	5	7/16	1/2
G HJ 04 HJ 06	4	6	7/16	9/16
G HJ 05 HJ 06	5	6	1/2	9/16
G HJ 06 HJ 08	6	8	9/16	3/4
G HJ 06 HJ 10	6	10	9/16	7/8
G HJ 06 HJ 12	6	12	9/16	1 1/16
G HJ 08 HJ 10	8	10	3/4	7/8
G HJ 08 HJ 12	8	12	3/4	1-1/16
G HJ 10 HJ 12	10	12	7/8	1-1/16
G HJ 10 HJ 16	10	16	7/8	1-5/16
G HJ 12 HJ 14	12	14	1-1/16	1-3/16
G HJ 12 HJ 16	12	16	1-1/16	1-5/16
G HJ 12 HJ 20	12	20	1 1/16-12	1 5/8
G HJ 14 HJ 16	14	16	1-3/16	1-5/16
G HJ 16 HJ 20	16	20	1-5/16	1 5/8
G HJ 20 HJ 24	20	24	1 5/8	1 7/8

GHJ

Straight connector

male UNF thread with 74° cone, metallic sealing

Article category 3002



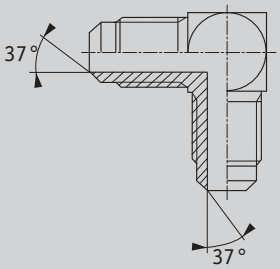
Designation	*Connection port 1*	*Connection port 2*	*Connection thread 1 AD*	*Connection thread 2*
G HJ 04	4	4	7/16-20	7/16-20
G HJ 05	5	5	1/2-20	1/2
G HJ 06	6	6	9/16-18	9/16-18
G HJ 08	8	8	3/4-16	3/4-16
G HJ 10	10	10	7/8	7/8
G HJ 12	12	12	1 1/16-12	1 1/16-12
G HJ 14	14	14	1 3/16-12	1 3/16-12
G HJ 16	16	16	1 5/16-12	1 5/16-12
G HJ 20	20	20	1 5/8-12	1 5/8
G HJ 24	24	24	1 7/8-12	1 7/8
G HJ 32	32	32	2 1/2	2 1/2

W 90 HJ

Connector 90°

male UNF thread with 74° cone, metallic sealing

Article category 30022



Designation	*Connection port 1*	*Connection port 2*	*Connection thread*
W 90 HJ 04	4	4	7/16-20
W 90 HJ 05	5	5	1/2-20
W 90 HJ 06	6	6	9/16-18
W 90 HJ 08	8	8	3/4-16
W 90 HJ 10	10	10	7/8
W 90 HJ 12	12	12	1 1/16-12
W 90 HJ 14	14	14	1 3/16-12
W 90 HJ 16	16	16	1 5/16-12
W 90 HJ 20	20	20	1 5/8-12
W 90 HJ 24	24	24	1 7/8-12

K HJ

Union cross

male UNF thread with 74° cone,
metallic sealing

Article category 3003

Designation	*Connection thread AD*	*Port side*
K HJ 04	7/16-20	4
K HJ 05	1/2-20	5
K HJ 06	9/16-18	6
K HJ 08	3/4-16	8
K HJ 10	7/8-14	10
K HJ 12	1 1/16-12	12
K HJ 16	1 5/16-12	16
K HJ 20	1 5/8-12	20
K HJ 24	1 7/8-12	24

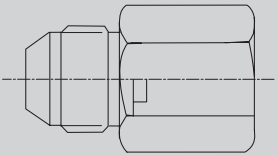
GIN HJ

Straight connector

Female NPT thread, metallic sealing

male UNF thread with 74° cone, metallic sealing

Article category 3007



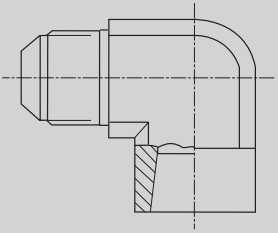
Designation	*Female thread NPT*	*Connection thread*
G IN 02 HJ 04	1/8	7/16-20
G IN 02 HJ 05	1/8	1/2-20
G IN 04 HJ	1/4	7/16-20
G IN 04 HJ 05	1/4	1/2-20
G IN 04 HJ 06	1/4	9/16-18
G IN 04 HJ 08	1/4	3/4-16
G IN 06 HJ	3/8	9/16-18
G IN 06 HJ 08	3/8	3/4-16
G IN 08 HJ	1/2	3/4-16 UNF
G IN 08 HJ 10	1/2	7/8-14
G IN 08 HJ 12	1/2	1 1/16-12
G IN 12 HJ	3/4	1 1/16-12
G IN 12 HJ 14	3/4	1 3/16
G IN 16 HJ	1	1 5/16-12
G IN 20 HJ	1 1/4	1 5/8-12
G IN 24 HJ	1 1/2	1 7/8-12

W 90 IN HJ

Connector 90°

Female thread, male UNF thread with 74° cone, metallic sealing

Article category 3007



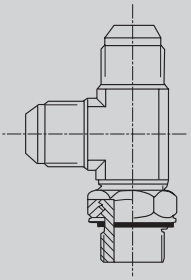
Designation	*Female thread NPT*	*Connection thread*
W 90 IN 02 HJ 04	1/8	7/16-20 UNF
W 90 IN 02 HJ 05	1/8-27	1/2-20
W 90 IN 02 HJ 06	1/8	9/16-18
W 90 IN 04 HJ	1/4	7/16-20
W 90 IN 04 HJ 05	1/4	1/2-20
W 90 IN 04 HJ 06	1/4	9/16-18
W 90 IN 04 HJ 08	1/4	3/4-16
W 90 IN 06 HJ	3/8	9/16-18
W 90 IN 06 HJ 08	3/8	3/4-16
W 90 IN 08 HJ	1/2	3/4-16
W 90 IN 08 HJ 10	1/2	7/8-14
W 90 IN 08 HJ 12	1/2	1 1/16
W 90 IN 12 HJ	3/4	1 1/16-12
W 90 IN 16 HJ	1	1 5/16-12
W 90 IN 20 HJ	1 1/4	1 5/8-12
W 90 IN 24 HJ	1 1/2	1 7/8-12

LHMO HJ

Adjustable stud barrel tees

Male stud barrel tees, metric thread with O-ring, adjustable stud barrel tees with single-sided connection, male metric thread, O-ring sealing, male thread with 74° cone, metallic sealing

Article category 3009



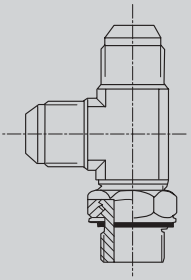
Designation	*Thread for stud ends*	*Connection thread*
L HMO 10 HJ 04	M 10x1	7/16-20 UNF
L HMO 10 HJ 055	M 10x1	1/2-20 UNF
L HMO 12 HJ 04	M 12x1,5	7/16-20 UNF
L HMO 12 HJ 05	M 12x1,5	1/2-20 UNF
L HMO 14 HJ 05	M 14x1,5	1/2-20 UNF
L HMO 14 HJ 06	M 14x1,5	9/16-18 UNF
L HMO 16 HJ 06	M 16x1,5	9/16-18 UNF
L HMO 16 HJ 08	M 16x1,5	3/4-16 UNF
L HMO 18 HJ 06	M 18x1,5	9/16-18 UNF
L HMO 18 HJ 10	M 18x1,5	7/8-14 UNF
L HMO 22 HJ 10	M 22x1,5	7/8-14 UNF
L HMO 22 HJ 12	M 22x1,5	1 1/16-12 UN
L HMO 27 HJ 12	M 27x2	1 1/16-12 UN
L HMO 27 HJ 16	M 27x2	1 5/16-12 UN
L HMO 33 HJ 16	M 33x2	1 5/16-12 UN
L HMO 42 HJ 20	M 42x2	1 5/8-12 UN
L HMO 48 HJ 24	M 48x2	1 7/8-12 UN

LHMO K HJ

Adjustable stud branch tees

with single-sided connection, male metric thread, circular box seal, male thread with 74°cone, metallic sealing

Article category 3009



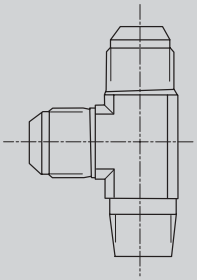
Designation	*Thread for stud ends*	*Connection thread*
L HMO K 10 HJ 04	M 10x1	7/16-20 UNF
L HMO K 10 HJ 05	M 10x1	1/2-20 UNF
L HMO K 12 HJ 04	M 12x1,5	7/16-20 UNF
L HMO K 12 HJ 05	M 12x1,5	1/2-20 UNF
L HMO K 14 HJ 05	M 14x1,5	1/2-20 UNF
L HMO K 14 HJ 06	M 14x1,5	9/16-18 UNF
L HMO K 16 HJ 06	M 16x1,5	9/16-18 UNF
L HMO K 16 HJ 08	M 16x1,5	3/4-16 UNF
L HMO K 18 HJ 10	M 18x1,5	7/8-14 UNF
L HMO K 20 HJ 10	M 20x1,5	7/8-14 UNF
L HMO K 22 HJ 10	M 22x1,5	7/8-14 UNF
L HMO K 22 HJ 12	M 22x1,5	1 1/16-12 UN
L HMO K 26 HJ 14	M 26x1,5	1 3/16-12 UN
L HMO K 27 HJ 12	M 27x2	1 1/16-12 UN
L HMO K 27 HJ 16	M 27x2	1 5/16-12 UN
L HMO K 33 HJ 16	M 33x2	1 5/16-12 UN
L HMO K 42 HJ 20	M 42x2	1 5/8-12 UN
L HMO K 48 HJ 24	M 48x2	1 7/8-12 UN

LHN HJ

Stud branch tees

with single-sided connection, type HN, male UNF thread with 74° cone, metallic sealing

Article category 3009



Designation	*Thread for stud ends NPT*	*Connection thread*
L HN 02 HJ 04	1/8	7/16-20 UNF
L HN 02 HJ 05	1/8	1/2-20 UNF
L HN 02 HJ 06	1/8	9/16-18 UNF
L HN 04 HJ	1/4	7/16-20 UNF
L HN 04 HJ 05	1/4	1/2-20 UNF
L HN 04 HJ 06	1/4	9/16-18 UNF
L HN 04 HJ 08	1/4	3/4-16 UNF
L HN 06 HJ	3/8	9/16-18 UNF
L HN 06 HJ 08	3/8	3/4-16 UNF
L HN 06 HJ 10	3/8	7/8-14 UNF
L HN 08 HJ	1/2	3/4-16 UNF
L HN 08 HJ 06	1/2	9/16-18 UNF
L HN 08 HJ 10	1/2	7/8-14 UNF
L HN 08 HJ 12	1/2	1 1/16-12 UN
L HN 12 HJ 08	3/4-14	3/4-16 UNF
L HN 12 HJ 10	3/4	7/8-14 UNF
L HN 12 HJ	3/4-14	1 1/16-12 UN
L HN 12 HJ 14	3/4-14	1 3/16-16 UN
L HN 12 HJ 16	3/4	1 5/16-12 UN
L HN 16 HJ	1	1 5/16-12 UN
L HN 16 HJ 20	1	1 5/8-12 UN
L HN 20 HJ	1 1/4	1 5/8-12 UN

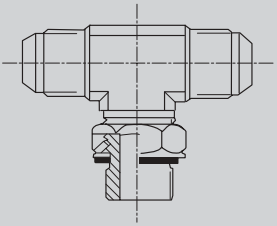
THMO HJ

Adjustable stud branch tees

stud end with male metric thread, O-ring seal

male UNF thread with 74° cone, metallic sealing

Article category 3009



Designation	*Thread for stud ends*	*Connection thread*
T HMO 10 HJ 04	M 10x1	7/16-20 UNF
T HMO 10 HJ 05	M 10x1	1/2-20 UNF
T HMO 12 HJ 04	M 12x1,5	7/16-20 UNF
T HMO 12 HJ 05	M 12x1,5	1/2-20 UNF
T HMO 14 HJ 05	M 14x1,5	1/2-20 UNF
T HMO 14 HJ 06	M 14x1,5	9/16-18 UNF
T HMO 16 HJ 06	M 16x1,5	9/16-18 UNF
T HMO 16 HJ 08	M 16x1,5	3/4-16 UNF
T HMO 18 HJ 06	M 18x1,5	9/16-18 UNF
T HMO 18 HJ 10	M 18x1,5	7/8-14 UNF
T HMO 22 HJ 12	M 22x1,5	1 1/16-12 UN
T HMO 27 HJ 12	M 27x2	1 1/16-12 UN
T HMO 27 HJ 16	M 27x2	1 5/16-12 UN
T HMO 33 HJ 16	M 33x2	1 5/16-12 UN
T HMO 42 HJ 20	M 42x2	1 5/8-12 UN
T HMO 48 HJ 24	M 48x2	1 7/8-12 UN

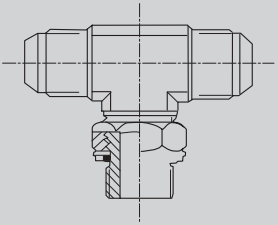
THMO K HJ

Adjustable stud branch tees

stud end with male metric thread, circular box seal

male UNF thread with 74° cone, metallic sealing

Article category 3009



Designation	*Thread for stud ends*	*Connection thread*
T HMO K 10 HJ 05	M 10x1	1/2-20 UNF
T HMO K 10 HJ 04	M 10x1	7/16-20 UNF
T HMO K 12 HJ 04	M 12x1,5	7/16-20 UNF
T HMO K 12 HJ 05	M 12x1,5	1/2-20 UNF
T HMO K 14 HJ 05	M 14x1,5	1/2-20 UNF
T HMO K 14 HJ 06	M 14x1,5	9/16-18 UNF
T HMO K 16 HJ 06	M 16x1,5	9/16-18 UNF
T HMO K 16 HJ 08	M 16x1,5	3/4-16 UNF
T HMO K 18 HJ 10	M 18x1,5	7/8-14 UNF
T HMO K 20 HJ 10	M 20x1,5	7/8-14 UNF
T HMO K 22 HJ 12	M 22x1,5	1 1/16-12 UN
T HMO K 26 HJ 14	M 26x1,5	1 3/16-12 UN
T HMO K 27 HJ 12	M 27x2	1 1/16-12 UN
T HMO K 27 HJ 16	M 27x2	1 5/16-12 UN
T HMO K 33 HJ 16	M 33x2	1 5/16-12 UN
T HMO K 42 HJ 20	M 42x2	1 5/8-12 UN
T HMO K 48 HJ 24	M 48x2	1 7/8-12 UN

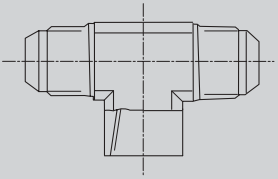
TIN HJ

Adjustable stud branch tees

female NPT thread

male UNF thread with 74° cone, metallic sealing

Article category 3009



Designation	*Connection port 1*	*Connection port 2*	*Innenbgewinde NPT*	*Connection thread*
T IN 02 HJ 04	2	4	1/8	7/16-20 UNF
T IN 02 HJ 05	2	5	1/8	1/2-20 UNF
T IN 02 HJ 06	2	6	1/8	9/16-18 UNF
T IN 04 HJ	4	4	1/4	7/16-20 UNF
T IN 04 HJ 05	4	5	1/4	1/2-20 UNF
T IN 04 HJ 06	4	6	1/4	9/16-18 UNF
T IN 04 HJ 08	4	8	1/4	3/4-16 UNF
T IN 06 HJ	6	6	3/8	9/16-18 UNF
T IN 06 HJ 08	6	8	3/8	3/4-16 UNF
T IN 08 HJ 10	8	10	1/2	7/8-14 UNF
T IN 08 HJ 12	8	12	1/2	1 1/16-12 UN
T IN 12 HJ	12	12	3/4	1 1/16-12 UN
T IN 12 HJ 14	12	14	3/4	1 3/16-12 UN
T IN 16 HJ	16	16	1	1 5/16-12 UN
T IN 20 HJ	20	20	1 1/4	1 5/8-12 UN
T IN 24 HJ	24	24	1 1/2	1 7/8-12 UN

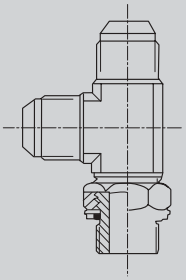
LHROK HJ

Adjustable stud branch tees

with single-sided connection,
male BSP thread, circular box seal

male UNF thread with 74° cone,
metallic sealing

Article category 3010



Designation	*Thread for stud ends BSP*	*Connection thread*
L HROK 02 HJ 04	1/8	7/16-20 UNF
L HROK 02 HJ 05	1/8	1/2-20 UNF
L HROK 04 HJ	1/4	7/16-20 UNF
L HROK 04 HJ 05	1/4	1/2-20 UNF
L HROK 04 HJ 06	1/4	9/16-18 UNF
L HROK 04 HJ 08	1/4	3/4-16 UNF
L HROK 06 HJ	3/8	9/16-18 UNF
L HROK 06 HJ 04	3/8	7/16-20 UNF
L HROK 06 HJ 05	3/8	1/2-20 UNF
L HROK 06 HJ 10	3/8	7/8-14 UNF
L HROK 08 HJ	1/2	3/4-16 UNF
L HROK 08 HJ 04	1/2	7/16-20 UNF
L HROK 08 HJ 06	1/2	9/16-18 UNF
L HROK 08 HJ 10	1/2	7/8-14 UNF
L HROK 08 HJ 12	1/2	1 1/16-12 UN
L HROK 12 HJ	3/4	1 1/16-12 UN
L HROK 12 HJ 08	3/4	3/4-16 UNF
L HROK 12 HJ 10	3/4	7/8-14 UNF
L HROK 16 HJ 12	1	1 1/16-12 UN
L HROK 16 HJ	1	1 5/16-12 UN
L HROK 16 HJ 20	1	1 5/8-12 UN
L HROK 20 HJ	1 1/4	1 5/8-12 UN
L HROK 20 HJ 16	1 1/4	1 5/16-12 UN
L HROK 20 HJ 24	1 1/4	1 7/8-12 UN
L HROK 24 HJ	1 1/2	1 7/8-12 UN

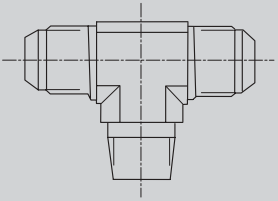
THN HJ

Adjustable stud branch tees type HN

male NPT thread

male UNF thread with 74° cone, metallic sealing

Article category 3010



Designation	*Thread for stud ends BSP*	*Connection thread*
T HN 02 HJ 04	1/8	7/16-20 UNF
T HN 02 HJ 05	1/8	1/2-20 UNF
T HN 02 HJ 06	1/8	9/16-18 UNF
T HN 04 HJ	1/4	7/16-20 UNF
T HN 04 HJ 05	1/4	1/2-20 UNF
T HN 04 HJ 06	1/4	9/16-18 UNF
T HN 04 HJ 08	1/4	3/4-16 UNF
T HN 06 HJ	3/8	9/16-18 UNF
T HN 06 HJ 08	3/8	3/4-16 UNF
T HN 06 HJ 10	3/8	7/8-14 UNF
T HN 08 HJ 06	1/2	9/16-18 UNF
T HN 08 HJ	1/2	3/4-16 UNF
T HN 08 HJ 10	1/2	7/8-14 UNF
T HN 08 HJ 12	1/2	1 1/16-12 UN
T HN 12 HJ 08	3/4	3/4-16 UNF
T HN 12 HJ	3/4	1 1/16-12 UN
T HN 12 HJ 10	3/4	7/8-14 UNF
T HN 12 HJ 14	3/4	1 3/16-12 UN
T HN 12 HJ 16	3/4	1 5/16-12 UN
T HN 16 HJ	1	1 5/16-12 UN
T HN 16 HJ 20	1	1 5/8-12 UN
T HN 20 HJ	1 1/4	1 5/8-12 UN
T HN 24 HJ	1 1/2	1 7/8-12 UN

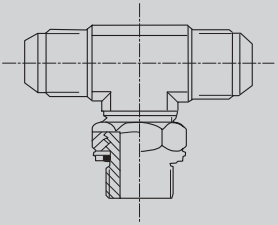
THROK HJ

Adjustable stud branch tees

male BSP thread, circular box seal

male thread UNF with 74° cone, metallic sealing

Article category 3010



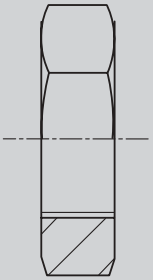
Designation	*Thread for stud ends BSP*	*Connection thread*
T HROK 02 HJ 04	1/8	7/16-20 UNF
T HROK 02 HJ 05	1/8	1/2-20 UNF
T HROK 04 HJ	1/4	7/16-20 UNF
T HROK 04 HJ 05	1/4	1/2-20 UNF
T HROK 04 HJ 06	1/4	9/16-18 UNF
T HROK 04 HJ 08	1/4	3/4-16 UNF
T HROK 06 HJ	3/8	9/16-18 UNF
T HROK 06 HJ 04	3/8	7/16-20 UNF
T HROK 06 HJ 05	3/8	1/2-20 UNF
T HROK 06 HJ 10	3/8	7/8-14 UNF
T HROK 08 HJ	1/2	3/4-16 UNF
T HROK 08 HJ 04	1/2	7/16-20 UNF
T HROK 08 HJ 06	1/2	9/16-18 UNF
T HROK 08 HJ 10	1/2	7/8-14 UNF
T HROK 08 HJ 12	1/2	1 1/16-12 UN
T HROK 12 HJ 08	3/4	3/4-16 UNF
T HROK 12 HJ 10	3/4	7/8-14 UNF
T HROK 12 HJ	3/4	1 1/16-12 UN
T HROK 16 HJ	1	1 5/16-12 UN
T HROK 16 HJ 12	1	1 1/16-12 UN
T HROK 16 HJ 20	1	1 5/8-12 UN
T HROK 20 HJ	1 1/4	1 5/8-12 UN
T HROK 20 HJ 16	1 1/4	1 5/16-12 UN
T HROK 20 HJ 24	1 1/4	1 7/8-12 UN
T HROK 24 HJ	1 1/2	1 7/8-12 UN

KM UNF

Hexagonal nut

for bulkhead conncetor

Article category 3011



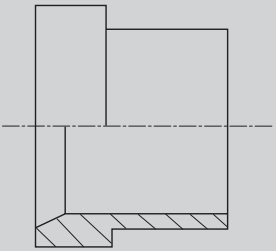
Designation	*Connection thread*
KM 04 UNF	7/16-20 UNF
KM 05 UNF	1/2-20 UNF
KM 06 UNF	9/16-18 UNF
KM 08 UNF	3/4-16 UNF
KM 10 UNF	7/8-14 UNF
KM 12 UNF	1 1/16-12 UN
KM 16 UNF	1,5/16-12 UN

STUETZRING AJ

Supporting sleeve for flanges

metric tube in connection with UEMAJ

Article category 3011



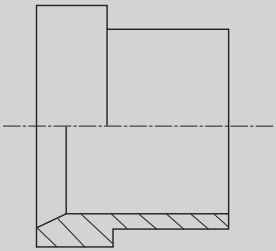
Designation	*Outer tube diameter*
STUETZRING AJ 04	1/4
STUETZRING AJ 06	3/8
STUETZRING AJ 08	1/2
STUETZRING AJ 10	5/8
STUETZRING AJ 12	3/4
STUETZRING AJ 16	1
STUETZRING AJ 20	1 1/4
STUETZRING AJ 22	1 3/16-12
STUETZRING AJ 24	1,1/2

STÜTZRING AJM

Supporting sleeve for flanges

metric tube in connection with UEMAJ, female thread

Article category 3011



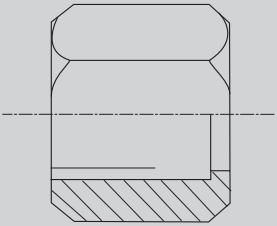
Designation	*Outer tube diameter*
STUETZRING AJM 06	6
STUETZRING AJM 08	8
STUETZRING AJM 10	10
STUETZRING AJM 12	12
STUETZRING AJM 14	14
STUETZRING AJM 15	15
STUETZRING AJM 16	16
STUETZRING AJM 18	18
STUETZRING AJM 20	20
STUETZRING AJM 22	22
STUETZRING AJM 25	25
STUETZRING AJM 30	30
STUETZRING AJM 38	38

UEM AJ

Union nut

female UNF thread

Article category 3011



Designation	*Connection thread*	*Outer tube diameter*
UEM AJ 04	7/16-20 UNF	6
UEM AJ 05	1/2-20 UNF	8
UEM AJ 06	9/16-18 UNF	10
UEM AJ 08	3/4-16 UNF	12
UEM AJ 10	7/8-14 UNF	16
UEM AJ 12	1 1/16-12 UN	20
UEM AJ 16	1 5/16-12 UN	25
UEM AJ 20	1 5/8-12 UN	32
UEM AJ 24	1 7/8-12 UN	38

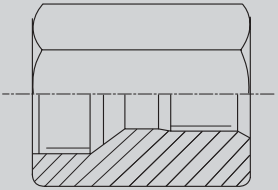
UEM AJ IR

Union nut

with UNF thread, 74° cone, cone seat, metallic sealing

BSP female thread, test port

Article category 3011



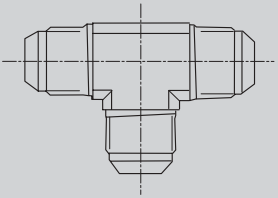
Designation	*Connection thread*	*Thread for stud ends BSP*
UEM AJ 04 IR	7/16-20 UNF	1/4
UEM AJ 05 IR 04	1/2-20 UNF	1/4
UEM AJ 06 IR 04	9/16-18 UNF	1/4
UEM AJ 08 IR 04	3/4-16 UNF	1/4
UEM AJ 10 IR 04	7/8-14 UNF	1/4
UEM AJ 12 IR 04	1 1/16-12 UN	1/4
UEM AJ 14 IR 04	1 3/16-22 UN	1/4
UEM AJ 16 IR 04	1 5/16-12 UN	1/4
UEM AJ 20 IR 04	1 5/8-12 UN	1/4
UEM AJ 24 IR 04	1 7/8-12 UN	1/4

THJ

Stud branch tees

with connection thread, UNF and 74° cone

Article category 3013



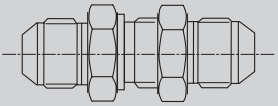
Designation	*Connection thread*
T HJ 04	7/16-20 UNF
T HJ 05	1/2-20 UNF
T HJ 06	9/16-18 UNF
T HJ 08	3/4-16 UNF
T HJ 10	7/8-14 UNF
T HJ 12	1 1/16-12 UN
T HJ 14	1 3/16-12 UN
T HJ 16	1 5/16-12 UN
T HJ 20	1 5/8-12 UN
T HJ 24	1 7/8-12 UN

SV HJ

Straight bulkhead connector

male UNF thread with 74° cone, metallic sealing

Article category 3015



Designation	*Connection thread*	*Buldhead connection thread*
SV HJ 04	7/16-20 UNF	7/16-20 UNF
SV HJ 05	1/2-20 UNF	1/2-20 UNF
SV HJ 06	9/16-18 UNF	9/16-18 UNF
SV HJ 08	3/4-16 UNF	3/4-16 UNF
SV HJ 10	7/8-14 UNF	7/8-14 UNF
SV HJ 12	1 1/16-12 UN	1 1/16-12 UN
SV HJ 14	1 3/16-12 UN	1 3/16-12 UN
SV HJ 16	1 5/16-12 UN	1 5/16-12 UN
SV HJ 20	1 5/8-12 UN	1 5/8-12 UN
SV HJ 24	1 7/8-12 UN	1 7/8-12 UN

VERSCHLUSS AJ

End plug

female UNF thread, 74° cone seat, metallic sealing

Article category 3018

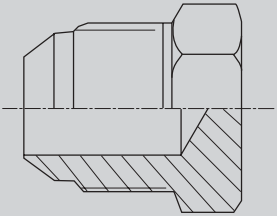
Designation	*Connection thread*
VERSCHLUSS AJ 04	7/16-20 UNF
VERSCHLUSS AJ 05	1/2-20 UNF
VERSCHLUSS AJ 06	9/16-18 UNF
VERSCHLUSS AJ 08	3/4-16 UNF
VERSCHLUSS AJ 10	7/8-14 UNF
VERSCHLUSS AJ 12	1 1/16-12 UN
VERSCHLUSS AJ 14	1 3/16-12 UN
VERSCHLUSS AJ 16	1 5/16-12 UN
VERSCHLUSS AJ 20	1 5/8-12 UN
VERSCHLUSS AJ 24	1 7/8-12 UN
VERSCHLUSS AJ 32	2 1/2-12 UN

VERSCHLUSS HJ

End plug

Male UNF thread with 74° cone, metallic sealing

Article category 3019



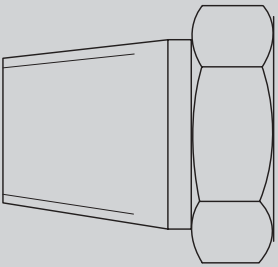
Designation	*Connection thread*
VERSCHLUSS HJ 04	7/16-20 UNF
VERSCHLUSS HJ 05	1/2-20 UNF
VERSCHLUSS HJ 06	9/16-18 UNF
VERSCHLUSS HJ 08	3/4-16 UNF
VERSCHLUSS HJ 10	7/8-14 UNF
VERSCHLUSS HJ 12	1 1/16-12 UN
VERSCHLUSS HJ 14	1 3/16-12 UN
VERSCHLUSS HJ 16	1 5/16-12 UN
VERSCHLUSS HJ 20	1 5/8-12 UN
VERSCHLUSS HJ 24	1 7/8-12 UN
VERSCHLUSS HJ 32	2 1/2 UN

VERSCHLUSS HN

End plug

male NPT thread, metallic sealing

Article category 3020



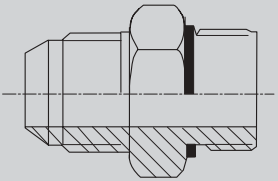
Designation	*Connection thread NPT*
VERSCHLUSS HN 02	1/8
VERSCHLUSS HN 04	1/4
VERSCHLUSS HN 06	3/8
VERSCHLUSS HN 08	1/2
VERSCHLUSS HN 12	3/4
VERSCHLUSS HN 16	1
VERSCHLUSS HN 20	1 1/4
VERSCHLUSS HN 24	1 1/2
VERSCHLUSS HN 32	2

GEO HJ

Straight coupling

UNF thread, sealing O-ring,
male thread UNF with 74° cone,
metallic sealing

Article category 3021



Designation	*Thread for stud ends*	*Connection thread*
GE O 04 HJ	7/16-20 UNF	7/16-20 UNF
GE O 04 HJ 06	7/16-20 UNF	9/16-18 UNF
GE O 05 HJ 04	1/2-20 UNF	7/16-20 UNF
GE O 05 HJ	1/2-20 UNF	1/2-20 UNF
GE O 05 HJ 06	1/2-20 UNF	9/16-18 UNF
GE O 06 HJ 04	9/16-18 UNF	7/16-20 UNF
GE O 06 HJ 05	9/16-18 UNF	1/2-20 UNF
GE O 06 HJ	9/16-18 UNF	9/16-18 UNF
GE O 06 HJ 08	9/16-18 UNF	3/4-16 UNF
GE O 08 HJ 06	3/4-16 UNF	9/16-18 UNF
GE O 08 HJ	3/4-16 UNF	3/4-16 UNF
GE O 08 HJ 10	3/4-16 UNF	7/8-14 UNF
GE O 08 HJ 12	3/4-16 UNF	1 1/16-12 UN
GE O 10 HJ 08	7/8-14 UNF	3/4-16 UNF
GE O 10 HJ	7/8-14 UNF	7/8-14 UNF
GE O 10 HJ 06	7/8-14 UNF	9/16-18 UNF
GE O 10 HJ 12	7/8-14 UNF	1 1/16-12 UN
GE O 12 HJ 08	1 1/16-12 UN	3/4-16 UNF
GE O 12 HJ 10	1 1/16-12 UN	7/8-14 UNF
GE O 12 HJ	1 1/16-12 UN	1 1/16-12 UN
GE O 12 HJ 16	1 1/16-12 UN	1 5/16-12 UN
GE O 14 HJ	1 3/16-12 UN	1 3/16-12 UN

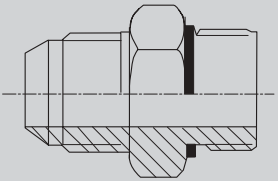
-->

GEO HJ

Straight coupling

UNF thread, sealing O-ring,
male thread UNF with 74° cone,
metallic sealing

Article category 3021



Designation	*Thread for stud ends*	*Connection thread*
<--		
GE O 16 HJ 12	1 5/16-12 UN	1 1/16-12 UN
GE O 16 HJ	1 5/16-12 UN	1 5/16-12 UN
GE O 16 HJ 20	1 5/16-12 UN	1 5/8-12 UN
GE O 20 HJ 16	1 5/8-12 UN	1 5/16-12 UN
GE O 20 HJ	1 5/8-12 UN	1 5/8-12 UN
GE O 20 HJ 24	1 5/8-12 UN	1 7/8-12 UN
GE O 24 HJ	1 7/8-12 UN	1 7/8-12 UN

GEOL HJ

Straight coupling

UNF thread, long thread type, O-ring seal, male UNF thread with 74° cone, metallic sealing

Article category 3021

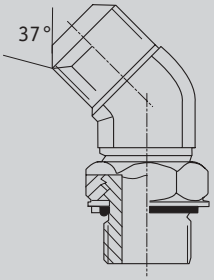
Designation	*Thread for stud ends*	*Connection thread*
GE OL 08 HJ	3/4-16 UNF	3/4-16 UNF

W 45 0 HJ

Connector 45°

male UNF thread with 74° cone, metallic sealing, JIC-SAE, counternut, washer, O-ring

Article category 3022



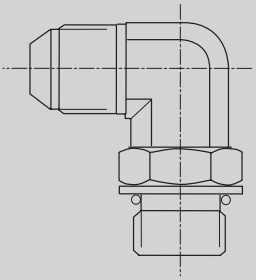
Designation	*Thread for stud ends*	*Connection thread*
W 45 0 04 HJ	7/16-20 UNF	7/16-20 UNF
W 45 0 05 HJ 04	1/2-20 UNF	7/16-20 UNF
W 45 0 05 HJ	1/2-20 UNF	1/2-20 UNF
W 45 0 06 HJ	9/16-18 UNF	9/16-18 UNF
W 45 0 06 HJ 08	9/16-18 UNF	3/4-16 UNF
W 45 0 08 HJ 06	3/4-16 UNF	9/16-18 UNF
W 45 0 08 HJ	3/4-16 UNF	3/4-16 UNF
W 45 0 08 HJ 10	3/4-16 UNF	7/8-14 UNF
W 45 0 10 HJ 08	7/8-14 UNF	3/4-16 UNF
W 45 0 10 HJ	7/8-14 UNF	7/8-14 UNF
W 45 0 10 HJ 12	7/8-14 UNF	1 1/16-12 UNF
W 45 0 12 HJ	1 1/16-12 UN	1 1/16-12 UN
W 45 0 12 HJ 08	1 1/16-12 UN	3/4-16 UNF
W 45 0 12 HJ 10	1 1/16-12 UN	7/8-14 UNF
W 45 0 16 HJ	1 5/16-12 UN	1 5/16-12 UN
W 45 0 20 HJ	1 5/8-12 UN	1 5/8-12 UN
W 45 0 24 HJ	1 7/8-12 UN	1 7/8-12 UN

W 90 0 HJ

Connector 90°

male UNF thread with 74° cone, metallic sealing, JIC-SAE, counternut, washer, O-ring

Article category 3022



Designation	*Thread for stud ends*	*Connection thread*
W 90 0 04 HJ	7/16-20 UNF	7/16-20 UNF
W 90 0 04 HJ 06	7/16-20 UNF	9/16-18 UNF
W 90 0 05 HJ 04	1/2-20 UNF	7/16-20 UNF
W 90 0 05 HJ	1/2-20 UNF	1/2-20 UNF
W 90 0 05 HJ 06	1/2-20 UNF	9/16-18 UNF
W 90 0 06 HJ 04	9/16-18 UNF	7/16-20 UNF
W 90 0 06 HJ 05	9/16-18 UNF	1/2-20 UNF
W 90 0 06 HJ	9/16-18 UNF	9/16-18 UNF
W 90 0 06 HJ 08	9/16-18 UNF	3/4-16 UNF
W 90 0 08 HJ	3/4-16 UNF	3/4-16 UNF
W 90 0 08 HJ 06	3/4-16 UNF	9/16-18 UNF
W 90 0 08 HJ 10	3/4-16 UNF	7/8-14 UNF
W 90 0 08 HJ 12	3/4-16 UNF	1 1/16-12 UN
W 90 0 10 HJ 08	7/8-14 UNF	3/4-16 UNF
W 90 0 10 HJ	7/8-14 UNF	7/8-14 UNF
W 90 0 10 HJ 12	7/8-14 UNF	1 1/16-12 UN
W 90 0 12 HJ 08	1 1/16-12 UN	3/4-16 UNF
W 90 0 12 HJ	1 1/16-12 UN	1 1/16-12 UN
W 90 0 12 HJ 16	1 1/16-12 UN	1 5/16-12 UN
W 90 0 12 HJ 10	1 1/16-12 UN	7/8-14 UNF
W 90 0 16 HJ	1 5/16-12 UN	1 5/16-12 UN
W 90 0 16 HJ 12	1 5/16-12 UN	1 1/16-12 UN
W 90 0 20 HJ 16	1 5/8-12 UN	1 5/16-12 UN
W 90 0 20 HJ	1 5/8-12 UN	1 5/8-12 UN
W 90 0 24 HJ	1 7/8-12 UN	1 7/8-12 UN

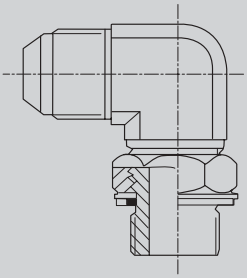
W 90 HROK HJ

Connector 90°

male BSP thread, circular box seal

male UNF thread with 74° cone, metallic sealing

Article category 3023



Designation	*Thread for stud ends BSP*	*Connection thread*
W 90 HRO K 02 HJ 04	1/8	7/16-20 UNF
W 90 HRO K 02 HJ 05	1/8	1/2-20 UNF
W 90 HRO K 04 HJ	1/4	7/16-20 UNF
W 90 HRO K 04 HJ 05	1/4	1/2-20 UNF
W 90 HRO K 04 HJ 06	1/4	9/16-18 UNF
W 90 HRO K 04 HJ 08	1/4	3/4-16 UNF
W 90 HRO K 06 HJ 04	3/8	7/16-20 UNF
W 90 HRO K 06 HJ 05	3/8	1/2-20 UNF
W 90 HRO K 06 HJ	3/8	9/16-18 UNF
W 90 HRO K 06 HJ 08	3/8	3/4-16 UNF
W 90 HRO K 06 HJ 10	3/8	7/8-14 UNF
W 90 HRO K 08 HJ 04	1/2	7/16-20 UNF
W 90 HRO K 08 HJ	1/2	3/4-16 UNF
W 90 HRO K 08 HJ 06	1/2	9/16-18 UNF
W 90 HRO K 08 HJ 10	1/2	7/8-14 UNF
W 90 HRO K 08 HJ 12	1/2	1 1/16-12 UN
W 90 HRO K 12 HJ 08	3/4	3/4-16 UNF
W 90 HRO K 12 HJ 10	3/4	7/8-14 UNF
W 90 HRO K 12 HJ	3/4	1 1/16-12 UN
W 90 HRO K 12 HJ 16	3/4	1 5/16-12 UN
W 90 HRO K 16 HJ 12	1	1 1/16-12 UN
W 90 HRO K 16 HJ	1	1 5/16-12 UN
W 90 HRO K 16 HJ 20	1	1 5/8-12 UN

-->

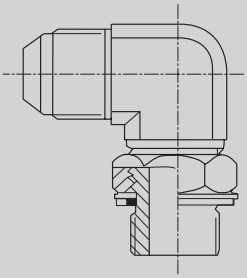
W 90 HROK HJ

Connector 90°

male BSP thread, circular box seal

male UNF thread with 74° cone, metallic sealing

Article category 3023



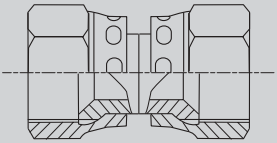
Designation	*Thread for stud ends BSP*	*Connection thread*
<--		
W 90 HRO K 20 HJ 16	1 1/4	1 5/16-12 UN
W 90 HRO K 20 HJ	1 1/4	1 5/8-12 UN
W 90 HRO K 20 HJ 24	1 1/4	1 7/8-12 UN
W 90 HRO K 24 HJ	1 1/2	1 7/8-12 UN

GAJ

Straight connector

female thread, union nut, UNF-thread with 74° cone

Article category 3024



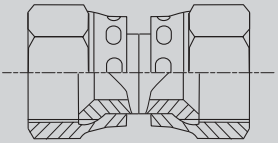
Designation	*Connection thread 1 AD*	*Connection thread 2 AD*
G AJ 04	7/16-20 UNF	7/16-20 UNF
G AJ 05	1/2-20 UNF	1/2-20 UNF
G AJ 06	9/16-18 UNF	9/16-18 UNF
G AJ 08	3/4-16 UNF	3/4-16 UNF
G AJ 10	7/8-14 UNF	7/8-14 UNF
G AJ 12	1 1/16-12 UN	1 1/16-12 UN
G AJ 16	1 5/16-12 UN	15/16-12 UN
G AJ 20	1 5/8-12 UN	1 5/8-12 UN
G AJ 24	1 7/8-12 UN	1 7/8-12 UN

GAJ AJ

Straight connector

female thread, union nut, UNF-thread with 74° cone, cone seat, metallic sealing

Article category 3024



Designation	*Connection thread 1 AD*	*Connection thread 2 AD*
G AJ 06 AJ 04	9/16-18 UNF	7/16-20 UNF
G AJ 06 AJ 05	9/16-18 UNF	1/2-20 UNF
G AJ 08 AJ 06	3/4-16 UNF	9/16-18 UNF
G AJ 10 AJ 06	7/8-14 UNF	9/16-18 UNF
G AJ 10 AJ 08	7/8-14 UNF	3/4-16 UNF
G AJ 16 AJ 12	1 5/16-12 UN	1 1/16-12 UN

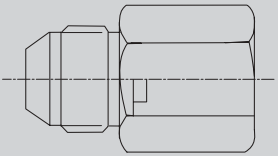
GAJ HJ

Straight connector

female thread, union nut, UNF thread with 74° cone

male thread UNF with 74° cone

Article category 3024



Designation	*Connection thread 1*	*Connection thread 2*
G AJ 04 HJ	7/16-20 UNF	7/16-20 UNF
G AJ 04 HJ 06	7/16-20 UNF	9/16-18 UNF
G AJ 05 HJ	1/2-20 UNF	1/2-20 UNF
G AJ 06 HJ 04	9/16-18 UNF	7/16-20 UNF
G AJ 06 HJ 05	9/16-18 UNF	1/2-20 UNF
G AJ 06 HJ	9/16-18 UNF	9/16-18 UNF
G AJ 06 HJ 08	9/16-18 UNF	3/4-16 UNF
G AJ 08 HJ 04	3/4-16 UNF	7/16-20 UNF
G AJ 08 HJ 05	3/4-16 UNF	1/2-20 UNF
G AJ 08 HJ 06	3/4-16 UNF	9/16-18 UNF
G AJ 08 HJ	3/4-16 UNF	3/4-16 UNF
G AJ 08 HJ 10	3/4-16 UNF	7/8-14 UNF
G AJ 08 HJ 12	3/4-16 UNF	1 1/16-12 UN
G AJ 10 HJ 08	7/8-14 UNF	3/4-16 UNF
G AJ 10 HJ 04	7/8-14 UNF	7/16-20 UNF
G AJ 10 HJ 06	7/8-14 UNF	9/16-18 UNF
G AJ 10 HJ	7/8-14 UNF	7/8-14 UNF
G AJ 10 HJ 12	7/8-14 UNF	1 1/16-12 UN
G AJ 12 HJ 04	1 1/16-12 UN	7/16-20 UNF
G AJ 12 HJ 06	1 1/16-12 UN	9/16-18 UNF
G AJ 12 HJ 08	1 1/16-12 UN	3/4-16 UNF
G AJ 12 HJ 10	1 1/16-12 UN	7/8-14 UNF

-->

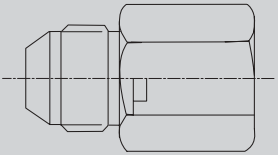
GAJ HJ

Straight connector

female thread, union nut, UNF thread with 74° cone

male thread UNF with 74° cone

Article category 3024



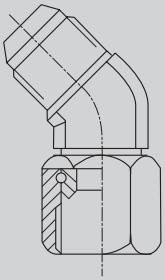
Designation	*Connection thread 1*	*Connection thread 2*
<--		
G AJ 12 HJ	1 1/16-12 UN	1 1/16-12 UN
G AJ 12 HJ 16	1 1/16-12 UN	1 5/16-12 UN
G AJ 14 HJ 12	1 3/16-12 UN	1 1/16-12 UN
G AJ 16 HJ 12	1 5/16-12 UN	1 1/16-12 UN
G AJ 16 HJ 14	1 5/16-12 UN	1 3/16-12 UN
G AJ 16 HJ	1 5/16-12 UN	1 5/16-12 UN
G AJ 20 HJ 12	1 5/8-12 UN	1 1/16-12 UN
G AJ 20 HJ 14	1 5/8-12 UN	1 3/16-12 UN
G AJ 20 HJ 16	1 5/8-12 UN	1 5/16-12 UN
G AJ 20 HJ	1 5/8-12 UN	1 5/8-12 UN
G AJ 24 HJ	1 7/8-12 UN	1 7/8-12 UN

W 45 AJ HJ

Connector 45°

female thread, union nut with UNF thread and 74° cone, male UNF thread with 74° cone

Article category 3025



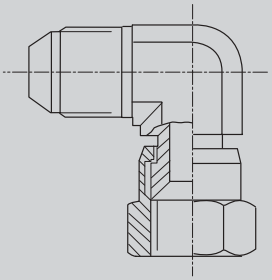
Designation	*Connection thread 1*	*Connection thread 2*
W 45 AJ 04 HJ	7/16-20 UNF	7/16-20 UNF
W 45 AJ 05 HJ	1/2-20 UNF	1/2-20 UNF
W 45 AJ 06 HJ	9/16-18 UNF	9/16-18 UNF
W 45 AJ 08 HJ	3/4-16 UNF	3/4-16 UNF
W 45 AJ 10 HJ	7/8-14 UNF	7/8-14 UNF
W 45 AJ 12 HJ	1 1/16-12 UN	1 1/16-12 UN
W 45 AJ 14 HJ	1 3/16-12 UN	1 3/16-12 UN
W 45 AJ 16 HJ	1 5/16-12 UN	1 5/16-12 UN
W 45 AJ 20 HJ	1 5/8-12 UN	1 5/8-12 UN
W 45 AJ 24 HJ	1 7/8-12 UN	1 7/8-12 UN

W 90 AJ HJ

Connector 90°

female thread, union nut with UNF thread and 74° cone, male UNF thread with 74° cone

Article category 3025



Designation	*Connection thread 1*	*Connection thread 2*
W 90 AJ 04 HJ	7/16-20 UNF	7/16-20 UNF
W 90 AJ 05 HJ	1/2-20 UNF	1/2-20 UNF
W 90 AJ 06 HJ	9/16-18 UNF	9/16-18 UNF
W 90 AJ 08 HJ	3/4-16 UNF	3/4-16 UNF
W 90 AJ 10 HJ	7/8-14 UNF	7/8-14 UNF
W 90 AJ 12 HJ	1 1/16-12 UN	1 1/16-12 UN
W 90 AJ 14 HJ	1 3/16-12 UN	1 3/16-12 UN
W 90 AJ 16 HJ	1 5/16-12 UN	1 5/16-12 UN
W 90 AJ 20 HJ	1 5/8-12 UN	1 5/8-12 UN
W 90 AJ 24 HJ	1 7/8-12 UN	1 7/8-12 UN

LAJ HJ

Adjustable stud barrel tees

male UNF thread with 74° cone

Article category 3026

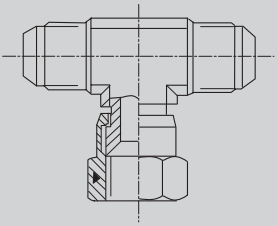
Designation	*Connection thread 1*	*Connection thread 2*
L AJ 04 HJ	7/16-20 UNF	7/16-20 UNF
L AJ 05 HJ	1/2-20 UNF	1/2-20 UNF
L AJ 06 HJ	9/16-18 UNF	9/16-18 UNF
L AJ 08 HJ	3/4-16 UNF	3/4-16 UNF
L AJ 10 HJ	7/8-14 UNF	7/8-14 UNF
L AJ 12 HJ	1 1/16-12 UN	1 1/16-12 UN
L AJ 14 HJ	1 3/16-12 UN	1 3/16-12 UN
L AJ 16 HJ	1 5/16-12 UN	1 5/16-12 UN
L AJ 20 HJ	1 5/8-12 UN	1 5/8-12 UN
L AJ 24 HJ	1 7/8-12 UN	1 7/8-12 UN

TAJ HJ

Adjustable stud barrel tees

with single port connection, male UNF thread with 74° cone

Article category 3026



Designation	*Connection thread 1*	*Connection thread 2*
T AJ 04 HJ	7/16-20 UNF	7/16-20 UNF
T AJ 05 HJ	1/2-20 UNF	1/2-20 UNF
T AJ 06 HJ	9/16-18 UNF	9/16-18 UNF
T AJ 08 HJ	3/4-16 UNF	3/4-16 UNF
T AJ 10 HJ	7/8-14 UNF	7/8-14 UNF
T AJ 12 HJ	1 1/16-12 UN	1 1/16-12 UN
T AJ 16 HJ	1 5/16-12 UN	1 5/16-12 UN
T AJ 20 HJ	1 5/8-12 UN	1 5/8-12 UN
T AJ 24 HJ	1 7/8-12 UN	1 7/8-12 UN

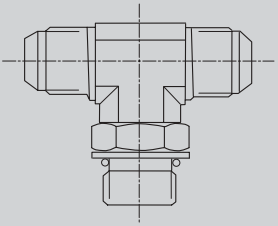
T O HJ

Adjustable stud barrel tees

male UNF thread, O-ring seal

male UNF thread with 74° cone

Article category 3028



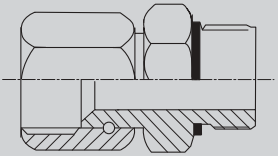
Designation	*Thread for stud ends AD (Zoll)*	*Connection thread*
T O 04 HJ	7/16-20 UNF	7/16-20 UNF
T O 05 HJ	1/2-20 UNF	1/2-20 UNF
T O 06 HJ	9/16-18 UNF	9/16-18 UNF
T O 08 HJ	3/4-16 UNF	3/4-16 UNF
T O 10 HJ	7/8-14 UNF	7/8-14 UNF
T O 12 HJ	1 1/16-12 UN	1 1/16-12 UN
T O 16 HJ	1 5/16-12 UN	1 5/16-12 UN

GE HRO AJ

Straight coupling

male BSP thread, O-ring seal, female thread, union nut, UNF thread with 74° cone seat

Article category 3029



Designation	*Thread for stud ends BSP*	*Connection thread*
GE HRO 04 AJ 05	1/4	1/2-20 UNF
GE HRO 04 AJ 06	1/4	9/16-18 UNF
GE HRO 06 AJ	3/8	9/16-18 UNF
GE HRO 06 AJ 08	3/8	3/4-16 UNF
GE HRO 08 AJ 10	1/2	7/8-14 UNF
GE HRO 08 AJ 12	1/2	1 1/16-12 UN
GE HRO 12 AJ	3/4	1 1/16-12 UN
GE HRO 16 AJ	1	1 5/16-12 UN
GE HRO 20 AJ	1 1/4	1 5/8-12 UN

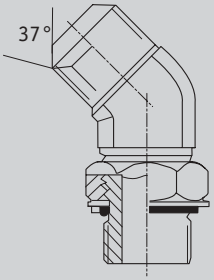
W 45 HRO HJ

Connector 45°

male BSP thread, O-ring seal, female thread, union nut

male UNF thread with 74° cone

Article category 3029



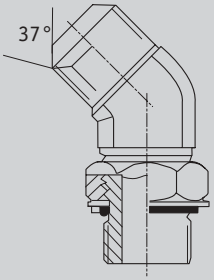
Designation	*Thread for stud ends BSP*	*Connection thread*
W 45 HRO 06 HJ 08	3/8	3/4-16 UNF
W 45 HRO 12 HJ	3/4	1 1/16-12 UN
W 45 HRO 16 HJ	1	1 5/16-12 UN

W 45 HRO K HJ

Connector 45°

BSP thread, flat sealing, circular box sealing, male UNF thread with 74° cone

Article category 3029



Designation	*Thread for stud ends BSP*	*Connection thread*
W 45 HRO K 02 HJ 04	1/8	7/16-20 UNF
W 45 HRO K 02 HJ 05	1/8	1/2-20 UNF
W 45 HRO K 04 HJ	1/4	7/16-20 UNF
W 45 HRO K 04 HJ 05	1/4	1/2-20 UNF
W 45 HRO K 04 HJ 06	1/4	9/16-18 UNF
W 45 HRO K 04 HJ 08	1/4	3/4-16 UNF
W 45 HRO K 06 HJ	3/8	9/16-18 UNF
W 45 HRO K 06 HJ 04	3/8	7/16-20 UNF
W 45 HRO K 06 HJ 05	3/8	1/2-20 UNF
W 45 HRO K 06 HJ 08	3/8	3/4-16 UNF
W 45 HRO K 06 HJ 10	3/8	7/8-14 UNF
W 45 HRO K 08 HJ	1/2	3/4-16 UNF
W 45 HRO K 08 HJ 04	1/2	7/16-20 UNF
W 45 HRO K 08 HJ 06	1/2	9/16-18 UNF
W 45 HRO K 08 HJ 10	1/2	7/8-14 UNF
W 45 HRO K 08 HJ 12	1/2	1 1/16-12 UN
W 45 HRO K 12 HJ 10	3/4	5/8-18 UNF
W 45 HRO K 12 HJ	3/4	1 1/16-12 UN
W 45 HRO K 12 HJ 08	3/4	3/4-16 UNF
W 45 HRO K 16 HJ	1	1 5/16-12 UN
W 45 HRO K 16 HJ 12	1	1 1/16-12 UN
W 45 HRO K 16 HJ 20	1	1 5/8-12 UN

-->

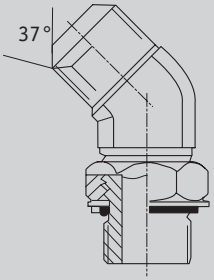
HANSA FLEX
Hydraulikschläuche

W 45 HRO K HJ

Connector 45°

BSP thread, flat sealing, circular box sealing, male UNF thread with 74° cone

Article category 3029



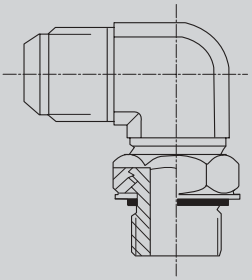
Designation	*Thread for stud ends BSP*	*Connection thread*
<--		
W 45 HRO K 20 HJ 16	1 1/4	1 5/16-12 UN
W 45 HRO K 20 HJ	1 1/4	1 5/8-12 UN
W 45 HRO K 20 HJ 24	1 1/4	1 7/8-12 UN
W 45 HRO K 24 HJ	1 1/2	1 7/8-12 UN

W 90 HRO HJ

Connector 90°

BSP thread, O-ring seal, male UNF thread with 74° cone

Article category 3029



Designation	*Thread for stud ends BSP*	*Connection thread*
W 90 HRO 02 HJ 04	1/8	7/16-20 UNF
W 90 HRO 04 HJ 05	1/4	1/2-20 UNF
W 90 HRO 04 HJ 06	1/4	9/16-18 UNF
W 90 HRO 06 HJ	3/8	9/16-18 UNF
W 90 HRO 06 HJ 08	3/8	3/4-16 UNF
W 90 HRO 08 HJ	3/4	3/4-16 UNF
W 90 HRO 08 HJ 10	1/2	7/8-14 UNF
W 90 HRO 08 HJ 12	1/2	1 1/16-12 UN
W 90 HRO 12 HJ	3/4	1 1/16-12 UN
W 90 HRO 12 HJ 16	3/4	1 5/16-12 UN
W 90 HRO 16 HJ	1	1 5/16-12 UN
W 90 HRO 16 HJ 20	1	1 5/8-12 UN
W 90 HRO 20 HJ	1 1/4	1 5/8-12 UN

GE O AN

Straight coupling

UNF thread, O-ring seal, union nut with female NPT thread

Article category 3030

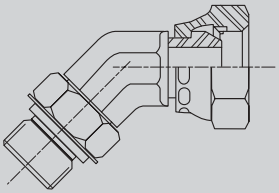
Designation	*Thread for stud ends*	*Connection thread ID NPT*
GE O 10 AN 08	7/8-14 UNF	1/2-14
GE O 12 AN	1 1/16-12 UN	3/4-14

W 45 O AN

Connector 45°

UNF thread, O-ring seal, union nut with female NPT thread

Article category 3030



Designation	*Thread for stud ends*	*Connection thread NPT*
W 45 O 08 AN 12	3/4-16 UNF	3/4-14
W 45 O 12 AN	1 1/16-12 UN	3/4-14

W 90 0 AN

Connector 90°

UNF thread, O-ring seal, union nut with female NPT thread

Article category 3030

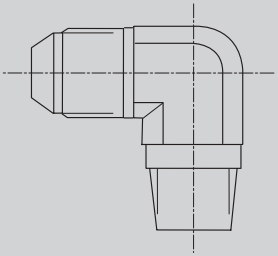
Designation	*Thread for stud ends*	*Connection thread NPT*
W 90 0 08 AN	3/4-16 UNF	1/2-14
W 90 0 10 AN 08	7/8-14 UNF	1/2-14
W 90 0 12 AN	1 1/16-12 UN	3/4-14

W 90 HRK HJ

Connector 90°

Male UNF thread with 74° cone, metallic sealing BSP thread

Article category 3031



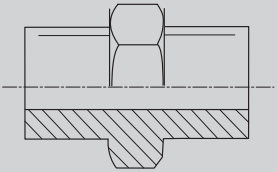
Designation	*Thread for stud ends BSP Konisch*	*Connection thread*
W 90 HRK 02 HJ 04	1/8	7/16-20 UNF
W 90 HRK 02 HJ 05	1/8	1/2-20 UNF
W 90 HRK 04 HJ	1/4	7/16-20 UNF
W 90 HRK 04 HJ 05	1/4	1/2-20 UNF
W 90 HRK 04 HJ 06	1/4	9/16-18 UNF
W 90 HRK 04 HJ 08	1/4	3/4-16 UNF
W 90 HRK 06 HJ	3/8	9/16-18 UNF
W 90 HRK 06 HJ 08	3/8	3/4-16 UNF
W 90 HRK 06 HJ 10	3/8	7/8-14 UNF
W 90 HRK 08 HJ	1/2	3/4-16 UNF
W 90 HRK 08 HJ 06	1/2	9/16-18 UNF
W 90 HRK 08 HJ 10	1/2	7/8-14 UNF
W 90 HRK 08 HJ 12	1/2	1 1/16-12 UN
W 90 HRK 12 HJ 10	3/4	7/8-14 UNF
W 90 HRK 12 HJ	3/4	1 1/16-12 UN
W 90 HRK 12 HJ 14	3/4	1 3/16-12 UN
W 90 HRK 12 HJ 16	3/4	1 5/16-12 UN
W 90 HRK 16 HJ 12	1	1 1/16-12 UN
W 90 HRK 16 HJ	1	1 5/16-12 UN
W 90 HRK 16 HJ 20	1	1 5/8-12 UN
W 90 HRK 20 HJ	1 1/4	1 5/8-12 UN
W 90 HRK 24 HJ	1 1/2	1 7/8-12 UN

G HN

Straight connector

male NPT thread, metallic sealing

Article category 3032



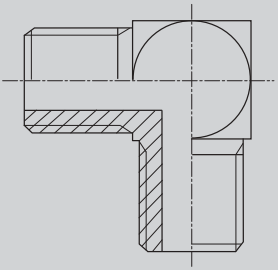
Designation	*Thread for stud ends*	*Connection thread*
G 04 HN 02	1/4-18	1/8-27
G 06 HN 02	3/8-18	1/8-27
G 06 HN 04	3/8-18	1/4-18
G 08 HN 04	1/2-14	1/4-18
G 08 HN 06	1/2-14	3/8-18
G 12 HN 08	3/4-14	1/2-14
G 12 HN 16	3/4-14	1-11,5
G 20 HN 16	1 1/4-11,5	1-11,5

W 90 HN

Connector 90°

male NPT thread, metallic sealing

Article category 3032



Designation	*Thread for stud ends*	*Connection thread*
W 90 HN 02	1/8-27	1/8-27
W 90 HN 04	1/4-18	1/4-18
W 90 HN 06	3/8-18	3/8-18
W 90 HN 08	1/2-14	1/2-14
W 90 HN 12	3/4-14	3/4-14
W 90 HN 16	1-11,5	1-11,5

GHN IN

Straight connector

male NPT thread, metallic sealing, female NPT thread

Article category 3033

Designation	*Thread for stud ends*	*Female thread*
G HN 02 IN	1/8-27	1/8-27
G HN 02 IN 04	1/8-27	1/4-18
G HN 02 IN 08	1/8-27	1/2-14
G HN 04 IN	1/4-18	1/4-18
G HN 04 IN 02	1/4-18	1/8-27
G HN 04 IN 06	1/4-18	3/8-18
G HN 04 IN 08	1/4-18	1/2-14
G HN 04 IN 12	1/4-18	3/4-14
G HN 06 IN 02	3/8-18	1/8-27
G HN 06 IN 04	3/8-18	1/4-18
G HN 06 IN 08	3/8-18	1/2-14
G HN 08 IN 02	1/2-14	1/8-27
G HN 08 IN	1/2-14	1/2-14
G HN 08 IN 12	1/2-14	3/4-14
G HN 08 IN 16	1/2-14	1-11,5
G HN 08 IN 04	1/2-14	1/4-18
G HN 08 IN 06	1/2-14	3/8-18
G HN 12 IN 04	3/4-14	1/4-18
G HN 12 IN 06	3/4-14	3/8-18
G HN 12 IN 08	3/4-14	1/2-14
G HN 12 IN 16	3/4-14	1-11,5

-->

GHN IN

Straight connector

male NPT thread, metallic sealing, female NPT thread

Article category 3033

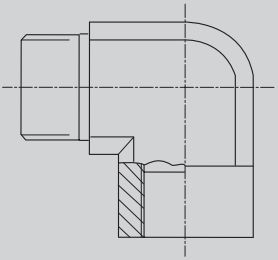
Designation	*Thread for stud ends*	*Female thread*
<--		
G HN 16 IN 06	1-11,5	3/8-18
G HN 16 IN 08	1-11,5	1/2-14
G HN 16 IN 12	1-11,5	3/4-14
G HN 20 IN 12	1 1/4-11,5	3/4-14
G HN 20 IN 16	1 1/4-11,5	1-11,5
G HN 24 IN 16	1 1/2-11,5	1-11,5
G HN 24 IN 20	1 1/2-11,5	1 1/4-11,5

W 90 HN IN

Connector 90°

male NPT thread, female NPT thread

Article category 3033



Designation	*Thread for stud ends*	*Female thread*
W 90 HN 02 IN	1/8-27	1/8-27
W 90 HN 04 IN	1/4-18	1/4-18
W 90 HN 06 IN	3/8-18	3/8-18
W 90 HN 08 IN	1/2-14	1/2-14
W 90 HN 12 IN	3/4-14	3/4-14
W 90 HN 12 IN 08	3/4-14	1/2-14
W 90 HN 16 IN	1-11,5	1-11,5

G IN

Straight connector

female NPT thread

Article category 3034

Designation	*Female thread*	*Female thread*
G 04 IN 02	1/4-18	1/8-27
G 06 IN 04	3/8-18	1/4-18
G 08 IN 04	1/2-14	1/4-18
G 08 IN 06	1/2-14	3/8-18
G 12 IN 08	3/4-14	1/2-14

W 90 IN

Connector 90°

female NPT thread

Article category 3034

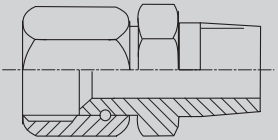
Designation	*Female thread NPT*	*Female thread*
W 90 IN 02	1/8-27	1/8-27
W 90 IN 04	1/4-18	1/4-18
W 90 IN 06	3/8-18	3/8-18
W 90 IN 08	1/2-14	1/2-14
W 90 IN 12	3/4-14	3/4-14
W 90 IN 16	1-11,5	1-11,5
W 90 IN 20	1 1/4-11,5	1 1/4-11,5
W 90 IN 24	1 1/2-11,5	1 1/2-11,5
W 90 IN 32	2-11,5	2-11,5

GE HN AJ

Straight coupling

female thread, union nut UNF-thread with 74° cone, male thread NPT, metallic sealing

Article category 3035



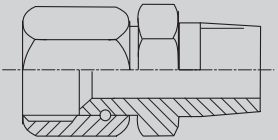
Designation	*Thread for stud ends NPT*	*Connection thread*
GE HN 02 AJ 04	7/16-20 UNF	1/8-27
GE HN 02 AJ 05	1/2-20 UNF	1/8-27
GE HN 02 AJ 06	9/16-18 UNF	1/8-27
GE HN 04 AJ	7/16-20 UNF	1/4-18
GE HN 04 AJ 05	1/2-20 UNF	1/4-18
GE HN 04 AJ 06	9/16-18 UNF	1/4-18
GE HN 04 AJ 08	3/4-16 UNF	1/4-18
GE HN 06 AJ	9/16-18 UNF	3/8-18
GE HN 06 AJ 08	3/4-16 UNF	3/8-18
GE HN 06 AJ 10	7/8-14 UNF	3/8-18
GE HN 08 AJ	3/4-16 UNF	1/2-14
GE HN 08 AJ 06	9/16-18 UNF	1/2-14
GE HN 08 AJ 10	7/8-14 UNF	1/2-14
GE HN 08 AJ 12	1 1/16-12 UN	1/2-14
GE HN 12 AJ 08	3/4-16 UNF	3/4-14
GE HN 12 AJ 10	7/8-14 UNF	3/4-14
GE HN 12 AJ	1 1/16-12 UN	3/4-14
GE HN 12 AJ 14	1 3/16-12 UN	3/4-14
GE HN 12 AJ 16	1 5/16-12 UN	3/4-14
GE HN 16 AJ	1 5/16-12 UN	1-11,5
GE HN 16 AJ 20	1 5/8-12 UN	1-11,5
GE HN 20 AJ	1 5/8-12 UN	1 1/4-11,5
GE HN 24 AJ	1 7/8-12 UN	1 1/2-11,5

GE HRK AJ

Straight coupling

Female BSP thread, coniform, union nut UNF-thread with 74° taper seal, female cone, metallic sealing

Article category 3036



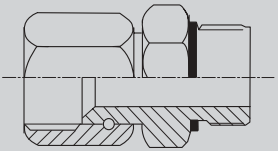
Designation	*Thread for stud ends BSP-T*	*Connection thread*
GE HRK 02 AJ 04	1/8	7/16-20 UNF
GE HRK 02 AJ 05	1/8	1/2-20 UNF
GE HRK 04 AJ	1/4	7/16-20 UNF
GE HRK 04 AJ 05	1/4	1/2-20 UNF
GE HRK 04 AJ 06	1/4	9/16-18 UNF
GE HRK 04 AJ 08	1/4	3/4-16 UNF
GE HRK 06 AJ	3/8	9/16-18 UNF
GE HRK 06 AJ 08	3/8	3/4-16 UNF
GE HRK 06 AJ 10	3/8	7/8-14 UNF
GE HRK 08 AJ	1/2	3/4-16 UNF
GE HRK 08 AJ 06	1/2	9/16-18 UNF
GE HRK 08 AJ 10	1/2	7/8-14 UNF
GE HRK 08 AJ 12	1/2	1 1/16-12 UN
GE HRK 12 AJ 10	3/4	7/8-14 UNF
GE HRK 12 AJ	3/4	1 1/16-12 UN
GE HRK 12 AJ 14	3/4	1 3/16-12 UN
GE HRK 12 AJ 16	3/4	1 5/16-12 UN
GE HRK 16 AJ	1	1 5/16-12 UN
GE HRK 16 AJ 12	1	1 1/16-12 UN
GE HRK 16 AJ 20	1	1 5/8-12 UN
GE HRK 20 AJ	1 1/4	1 5/8-12 UN
GE HRK 24 AJ	1 1/2	1 7/8-12 UN

GE O AJ

Straight coupling

UNF thread, O-ring seal, female thread, union nut, UNF-thread with 74° cone

Article category 3037



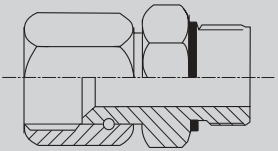
Designation	*Thread for stud ends*	*Connection thread*
GE O 04 AJ	7/16-20 UNF	7/16-20 UNF
GE O 05 AJ 04	1/2-20 UNF	7/16-20 UNF
GE O 05 AJ	1/2-20 UNF	1/2-20 UNF
GE O 06 AJ 04	9/16-18 UNF	7/16-20 UNF
GE O 06 AJ	9/16-18 UNF	9/16-18 UNF
GE O 08 AJ 06	3/4-16 UNF	9/16-18 UNF
GE O 08 AJ	3/4-16 UNF	3/4-16 UNF
GE O 08 AJ 10	3/4-16 UNF	7/8-14 UNF
GE O 08 AJ 12	3/4-16 UNF	1 1/16-12 UN
GE O 10 AJ 08	7/8-14 UNF	3/4-16 UNF
GE O 10 AJ	7/8-14 UNF	7/8-14 UNF
GE O 10 AJ 12	7/8-14 UNF	1 1/16-12 UN
GE O 12 AJ	1 1/16-12 UN	1 1/16-12 UN
GE O 12 AJ 08	1 1/16-12 UN	3/4-16 UNF
GE O 12 AJ 10	1 1/16-12 UN	7/8-14 UNF
GE O 12 AJ 16	1 1/16-12 UN	1 5/16-12 UN
GE O 14 AJ	1 3/16-12 UN	1 3/16-12 UN
GE O 16 AJ 12	1 5/16-12 UN	1 1/16-12 UN
GE O 16 AJ	1 5/16-12 UN	1 5/16-12 UN
GE O 20 AJ 16	1 5/8-12 UN	1 5/16-12 UN
GE O 20 AJ	1 5/8-12 UN	1 5/8-12 UN
GE O 24 AJ	1 7/8-12 UN	1 7/8-12 UN

GE HRO K AJ

Straight coupling

male BSP thread, circular box seal, female thread, union nut, UNF thread with 74° cone

Article category 3038



Designation	*Thread for stud ends BSP*	*Connection thread*
GE HRO K 02 AJ 04	1/8	7/16-20 UNF
GE HRO K 02 AJ 05	1/8	1/2-20 UNF
GE HRO K 04 AJ	1/4	7/16-20 UNF
GE HRO K 04 AJ 05	1/4	1/2-20 UNF
GE HRO K 04 AJ 06	1/4	9/16-18 UNF
GE HRO K 04 AJ 08	1/4	3/4-16 UNF
GE HRO K 06 AJ 04	3/8	7/16-20 UNF
GE HRO K 06 AJ 05	3/8	1/2-20 UNF
GE HRO K 06 AJ	3/8	9/16-18 UNF
GE HRO K 06 AJ 08	3/8	3/4-16 UNF
GE HRO K 06 AJ 10	3/8	7/8-14 UNF
GE HRO K 08 AJ 06	1/2	9/16-18 UNF
GE HRO K 08 AJ	1/2	3/4-16 UNF
GE HRO K 08 AJ 10	1/2	7/8-14 UNF
GE HRO K 08 AJ 12	1/2	1 1/16-12 UN
GE HRO K 12 AJ 10	3/4	7/8-14 UNF
GE HRO K 12 AJ	3/4	1 1/16-12 UN
GE HRO K 12 AJ 16	3/4	1 5/16-12 UN
GE HRO K 16 AJ	1	1 5/16-12 UN
GE HRO K 16 AJ 12	1	1 1/16-12 UN
GE HRO K 16 AJ 20	1	1 5/8-12 UN
GE HRO K 20 AJ 16	1 1/4	1 5/16-12 UN
GE HRO K 20 AJ	1 1/4	1 5/8-12 UN
GE HRO K 20 AJ 24	1 1/4	1 7/8-12 UN
GE HRO K 24 AJ	1 1/2	1 7/8-12 UN

T IN

Male run tee

NPT thread

Article category 3039

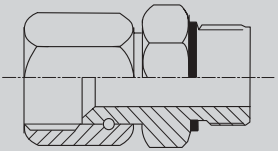
Designation	*Female thread NPT*
T IN 02	1/8-27
T IN 04	1/4-18
T IN 06	3/8-18
T IN 08	1/2-14
T IN 12	3/4-14
T IN 16	1-11,5
T IN 20	1 1/4-11,5
T IN 24	1 1/2-11,5

GE HMO AJ

Straight connector

male metric thread, O-ring seal, female thread, union nut with UNF thread and 74° cone

Article category 3040



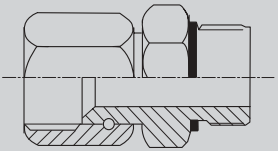
Designation	*Thread for stud ends*	*Connection thread*
GE HMO 10 AJ 04	M 10x1	7/16-20 UNF
GE HMO 10 AJ 05	M 10x1	1/2-20 UNF
GE HMO 12 AJ 04	M 12x1,5	7/16-20 UNF
GE HMO 12 AJ 05	M 12x1,5	1/2-20 UNF
GE HMO 14 AJ 05	M 14x1,5	1/2-20 UNF
GE HMO 14 AJ 06	M 14x1,5	9/16-18 UNF
GE HMO 16 AJ 06	M 16x1,5	9/16-18 UNF
GE HMO 16 AJ 08	M 16x1,5	3/4-16 UNF
GE HMO 18 AJ 08	M 18x1,5	3/4-16 UNF
GE HMO 18 AJ 10	M 18x1,5	7/8-14 UNF
GE HMO 22 AJ 10	M 22x1,5	7/8-14 UNF
GE HMO 22 AJ 12	M 22x1,5	1 1/16-12 UN
GE HMO 27 AJ 12	M 27x2	1 1/16-12 UN
GE HMO 27 AJ 16	M 27x2	1 5/16-12 UN
GE HMO 33 AJ 16	M 33x2	1 5/16-12 UN
GE HMO 42 AJ 20	M 42x2	1 5/8-12 UN
GE HMO 48 AJ 24	M 48x2	1 7/8-12 UN

GE HMO K AJ

Straight coupling

male metric thread, O-ring seal, circular box seal, female thread, union nut with UNF thread and 74° cone

Article category 3040



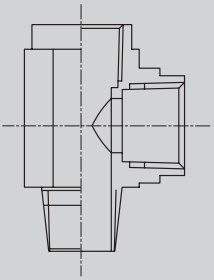
Designation	*Thread for stud ends*	*Connection thread*
GE HMO K 10 AJ 04	M 10x1	7/16-20 UNF
GE HMO K 10 AJ 05	M 10x1	1/2-20 UNF
GE HMO K 12 AJ 04	M 12x1,5	7/16-20 UNF
GE HMO K 12 AJ 05	M 12x1,5	1/2-20 UNF
GE HMO K 14 AJ 05	M 14x1,5	1/2-20 UNF
GE HMO K 14 AJ 06	M 14x1,5	9/16-18 UNF
GE HMO K 16 AJ 06	M 16x1,5	9/16-18 UNF
GE HMO K 16 AJ 08	M 16x1,5	3/4-16 UNF
GE HMO K 18 AJ 08	M 18x1,5	3/4-16 UNF
GE HMO K 18 AJ 10	M 18x1,5	7/8-14 UNF
GE HMO K 20 AJ 10	M 20x1,5	7/8-14 UNF
GE HMO K 22 AJ 10	M 22x1,5	7/8-14 UNF
GE HMO K 22 AJ 12	M 22x1,5	1 1/16-12 UN
GE HMO K 27 AJ 12	M 27x2	1 1/16-12 UN
GE HMO K 27 AJ 16	M 27x2	1 5/16-12 UN
GE HMO K 33 AJ 16	M 33x2	1 5/16-12 UN
GE HMO K 42 AJ 20	M 42x2	1 5/8-12 UN
GE HMO K 48 AJ 24	M 48x2	1 7/8-12 UN
GE HMO K 26 AJ 14	M 26x1,5	1 3/16-12 UN

L HN IN

Equal tees

NPT thread

Article category 3041



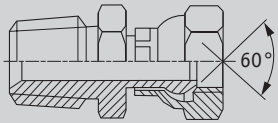
Designation	*Thread for stud ends NPT*	*Female thread NPT*
L HN 02 IN	1/8-27	1/8-27
L HN 04 IN	1/4-18	1/4-18
L HN 06 IN	3/8-18	3/8-18
L HN 08 IN	1/2-14	1/2-14
L HN 12 IN	3/4-14	3/4-14
L HN 16 IN	1-11,5	1-11,5

G AN HN

Straight connector

female thread, union nut, male NPT thread

Article category 3043



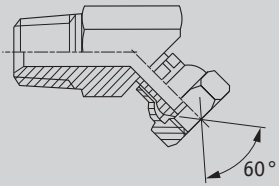
Designation	*Thread for stud ends*	*Connection thread*
G AN 02 HN	1/8-27	1/8-27
G AN 04 HN	1/4-18	1/4-18
G AN 04 HN 02	1/8-27	1/4-18
G AN 04 HN 06	3/8-18	1/4-18
G AN 04 HN 08	1/2-14	1/4-18
G AN 06 HN	3/8-10	3/8-18
G AN 06 HN 04	1/4-18	3/8-18
G AN 06 HN 08	1/2-14	3/8-18
G AN 08 HN	1/2-14	1/2-14
G AN 08 HN 04	1/4-18	1/2-14
G AN 08 HN 06	3/8-18	1/2-14
G AN 08 HN 12	3/4-14	1/2-14
G AN 12 HN	3/4-14	3/4-14
G AN 12 HN 08	1/2-14	3/4-14
G AN 12 HN 16	1-11,5	3/4-14
G AN 16 HN	1-11,5	1-11,5
G AN 16 HN 12	3/4-14	1-11,5
G AN 20 HN	1 1/4-11,5	1 1/4-11,5
G AN 24 HN	1 1/2-11,5	1 1/2-11,5
G AN 32 HN	2 -11,5	2 -11,5

W 45 AN HN

Connector 45°

union nut NPT, male NPT thread

Article category 3043



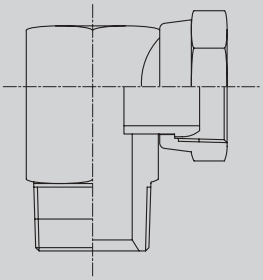
Designation	*Thread for stud ends*	*Connection thread*
W 45 AN 02 HN	1/8-27	1/8-27
W 45 AN 04 HN	1/4-18	1/4-18
W 45 AN 06 HN	3/8-18	3/8-18
W 45 AN 06 HN 08	1/2-14	3/8-18
W 45 AN 08 HN	1/2-14	1/2-14
W 45 AN 08 HN 12	3/4-14	1/2-14
W 45 AN 12 HN	3/4-14	3/4-14
W 45 AN 12 HN 16	1-11,5	3/4-14
W 45 AN 16 HN	1-11,5	1-11,5
W 45 AN 20 HN	1 1/4-11,5	1 1/4-11,5
W 45 AN 24 HN	1 1/2-11,5	1 1/2-11,5
W 45 AN 32 HN	2-11,5	2-11,5

W 90 AN HN

Connector 90°

union nut NPT, male NPT thread

Article category 3043



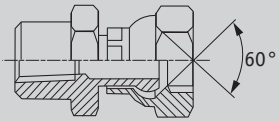
Designation	*Thread for stud ends*	*Connection thread*
W 90 AN 02 HN	1/8-27	1/8-27
W 90 AN 04 HN	1/4-18	1/4-18
W 90 AN 04 HN 02	1/8-27	1/4-18
W 90 AN 04 HN 06	3/8-18	1/4-18
W 90 AN 06 HN 04	1/4-18	3/8-18
W 90 AN 06 HN	3/8-18	3/8-18
W 90 AN 06 HN 08	1/2-14	3/8-18
W 90 AN 06 HN 12	3/4-14	3/8-18
W 90 AN 08 HN 06	3/8-18	1/2-14
W 90 AN 08 HN	1/2-14	1/2-14
W 90 AN 08 HN 12	3/4-14	1/2-14
W 90 AN 12 HN	3/4-14	3/4-14
W 90 AN 12 HN 08	1/2-14	3/4-14
W 90 AN 12 HN 16	1-11,5	3/4-14
W 90 AN 16 HN	1-11,5	1-11,5
W 90 AN 16 HN 12	3/4-14	1-11,5
W 90 AN 20 HN	1 1/4-11,5	1 1 /4-11,5
W 90 AN 24 HN	1 1/2-11,5	1 1/2-11,5
W 90 AN 32 HN	2-11,5	2-11,5

G AN IN

Straight connector

union nut with NPT thread,
female NPT thread

Article category 3046



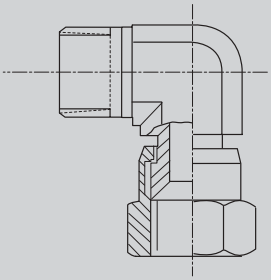
Designation	*Connection thread*	*Female thread*
G AN 02 IN	1/8-27	1/8-27
G AN 04 IN	1/4-18	1/4-18
G AN 06 IN	3/8-18	3/8-18
G AN 06 IN 04	3/8-18	1/4-18
G AN 08 IN	1/2-14	1/2-14
G AN 08 IN 12	1/2-14	3/4-14
G AN 12 IN	3/4-14	3/4-14
G AN 16 IN	1-11,5	1-11,5
G AN 20 IN	1 1/4-11,5	1 1/411,5
G AN 24 IN	1 1/2-11,5	1 1/2-11,5
G AN 32 IN	2-11,5	2-11,5

W 90 AN IN

Connector 90°

Union nut with female NPT thread

Article category 3046



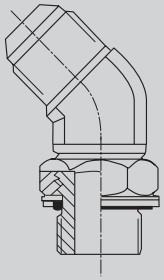
Designation	*Connection thread*	*Female thread NPT*
W 90 AN 02 IN	1/8-27	1/8-27
W 90 AN 04 IN	1/4-18	1/4-18
W 90 AN 06 IN	3/8-18	3/8-18
W 90 AN 08 IN	1/2-14	1/2-14
W 90 AN 12 IN	3/4-14	3/4-14
W 90 AN 16 IN	1-11,5	1-11,5
W 90 AN 20 IN	1 1/4-11,5	1 1/4-11,5
W 90 AN 24 IN	1 1/2-11,5	1 1/2-11,5

W 45 HMO K HJ

Connector 45°

Male metric thread with 74° cone, metric fine, flat sealing, circular box seal

Article category 3100



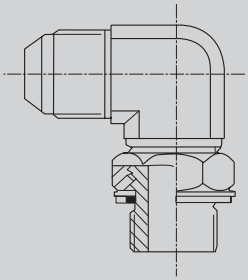
Designation	*Thread for stud ends*	*Connection thread*
W 45 HMO K 10 HJ 04	M 10x1	7/16-20 UNF
W 45 HMO K 10 HJ 05	M 10x1	1/2-20 UNF
W 45 HMO K 12 HJ 04	M 12x1,5	7/16-20 UNF
W 45 HMO K 12 HJ 05	M 12x1,5	1/2-20 UNF
W 45 HMO K 14 HJ 05	M 14x1,5	1/2-20 UNF
W 45 HMO K 14 HJ 06	M 14x1,5	9/16-18 UNF
W 45 HMO K 16 HJ 06	M 16x1,5	9/16-18 UNF
W 45 HMO K 16 HJ 08	M 16x1,5	3/4-16 UNF
W 45 HMO K 18 HJ 08	M 18x1,5	3/4-16 UNF
W 45 HMO K 18 HJ 10	M 18x1,5	7/8-14 UNF
W 45 HMO K 20 HJ 10	M 20x1,5	7/8-14 UNF
W 45 HMO K 22 HJ 10	M 22x1,5	7/8-14 UNF
W 45 HMO K 22 HJ 12	M 22x1,5	1 1/16-12 UN
W 45 HMO K 26 HJ 14	M 26x1,5	1 3/16-12 UN
W 45 HMO K 27 HJ 12	M 27x2	1 1/16-12 UN
W 45 HMO K 27 HJ 16	M 27x2	1 5/16-12 UN
W 45 HMO K 33 HJ 16	M 33x2	1 5/16-12 UN
W 45 HMO K 42 HJ 20	M 42x2	1 5/8-12 UN
W 45 HMO K 48 HJ 24	M 48x2	1 7/8-12 UN

W 90 HMO K HJ

Connector 90°

Male metric thread with 74° cone, metric fine, flat sealing, circular box seal

Article category 3103



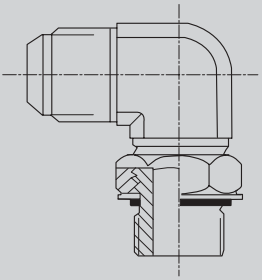
Designation	*Thread for stud ends*	*Connection thread*
W 90 HMO K 10 HJ 04	M 10x1	7/16-20 UNF
W 90 HMO K 10 HJ 05	M 10x1	1/2-20 UNF
W 90 HMO K 12 HJ 04	M 12x1,5	7/16-20 UNF
W 90 HMO K 12 HJ 05	M 12x1,5	1/2-20 UNF
W 90 HMO K 14 HJ 05	M 14x1,5	1/2-20 UNF
W 90 HMO K 14 HJ 06	M 14x1,5	9/16-18 UNF
W 90 HMO K 16 HJ 06	M 16x1,5	9/16-18 UNF
W 90 HMO K 16 HJ 08	M 16x1,5	3/4-16 UNF
W 90 HMO K 18 HJ 08	M 18x1,5	3/4-16 UNF
W 90 HMO K 18 HJ 10	M 18x1,5	7/8-14 UNF
W 90 HMO K 20 HJ 10	M 20x1,5	7/8-14 UNF
W 90 HMO K 22 HJ 10	M 22x1,5	7/8-14 UNF
W 90 HMO K 22 HJ 12	M 22x1,5	1 1/16-12 UN
W 90 HMO K 26 HJ 14	M 26x1,5	1 3/16-12 UN
W 90 HMO K 27 HJ 12	M 27x2	1 1/16-12 UN
W 90 HMO K 27 HJ 16	M 27x2	1 5/16-12 UN
W 90 HMO K 33 HJ 16	M 33x2	1 5/16-12 UN
W 90 HMO K 42 HJ 20	M 42x2.0	1 5/8-12 UN
W 90 HMO K 48 HJ 24	M 48x2	1 7/8-12 UN

W 90 HMO HJ

Connector 90°

Male metric thread, flat sealing with 74° cone, O-ring, metallic sealing

Article category 3104



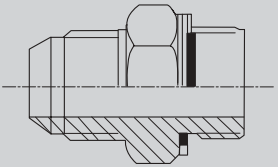
Designation	*Thread for stud ends*	*Connection thread*
W 90 HMO 10 HJ 04	M 10x1	7/16-20 UNF
W 90 HMO 10 HJ 05	M 10x1	1/2-20 UNF
W 90 HMO 12 HJ 04	M 12x1,5	7/16-20 UNF
W 90 HMO 12 HJ 05	M 12x1,5	1/2-20 UNF
W 90 HMO 14 HJ 05	M 14x1,5	1/2-20 UNF
W 90 HMO 14 HJ 06	M 14x1,5	9/16-18 UNF
W 90 HMO 16 HJ 06	M 16x1,5	9/16-18 UNF
W 90 HMO 16 HJ 08	M 16x1,5	3/4-16 UNF
W 90 HMO 18 HJ 10	M 18x1,5	7/8-14 UNF
W 90 HMO 22 HJ 10	M 22x1,5	7/8-14 UNF
W 90 HMO 22 HJ 12	M 22x1,5	1 1/16-12 UN
W 90 HMO 27 HJ 12	M 27x2	1 1/16-12 UN
W 90 HMO 27 HJ 16	M 27x2	1 5/16-12 UN
W 90 HMO 33 HJ 16	M 33x2	1 5/16-12 UN
W 90 HMO 42 HJ 20	M 42X2	1 5/8-12 UN
W 90 HMO 48 HJ 24	M 48x2	1 7/8-12 UN

GE HMO K HJ

Straight coupling

with 74° cone, flat sealing, male metric thread, metric fine, flat sealing, circular box seal

Article category 3611



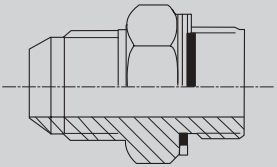
Designation	*Thread for stud ends*	*Connection thread*
GE HMO K 10 HJ 04	M 10x1	7/16-20 UNF
GE HMO K 10 HJ 05	M 10x1	1/2-20 UNF
GE HMO K 12 HJ 04	M 12x1,5	7/16-20 UNF
GE HMO K 12 HJ 05	M 12x1,5	1/2-20 UNF
GE HMO K 14 HJ 05	M 14x1,5	1/2-20 UNF
GE HMO K 14 HJ 06	M 14x1,5	9/16-18 UNF
GE HMO K 16 HJ 06	M 16x1,5	9/16-18 UNF
GE HMO K 16 HJ 08	M 16x1,5	3/4-16 UNF
GE HMO K 18 HJ 08	M 18x1,5	3/4-16 UNF
GE HMO K 18 HJ 10	M 18x1,5	7/8-14 UNF
GE HMO K 20 HJ 10	M 20x1,5	7/8-14 UNF
GE HMO K 22 HJ 10	M 22x1,5	7/8-14 UNF
GE HMO K 22 HJ 12	M 22x1,5	1 1/16-12 UN
GE HMO K 26 HJ 14	M 26x1,5	1 3/16-12 UN
GE HMO K 27 HJ 12	M 27x2	1 1/16-12 UN
GE HMO K 27 HJ 16	M 27x2	1 5/16-12 UN
GE HMO K 33 HJ 16	M 33x2	1 5/16-12 UN
GE HMO K 42 HJ 20	M 42x2	1 5/8-12 UN
GE HMO K 48 HJ 24	M 48x2	1 7/8-12 UN

GE HMO HJ

Straight coupling

with 74° cone, flat sealing, male metric thread, metric fine, flat sealing, O-ring

Article category 3612



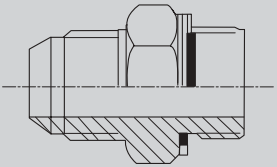
Designation	*Thread for stud ends*	*Connection thread*
GE HMO 10 HJ 04	M 10x1	7/16-20 UNF
GE HMO 10 HJ 05	M 10x1	1/2-20 UNF
GE HMO 12 HJ 04	M 12x1,5	7/16-20 UNF
GE HMO 12 HJ 05	M 12x1,5	1/2-20 UNF
GE HMO 14 HJ 05	M 14x1,5	1/2-20 UNF
GE HMO 14 HJ 06	M 14x1,5	9/16-18 UNF
GE HMO 16 HJ 06	M 16x1,5	9/16-18 UNF
GE HMO 16 HJ 08	M 16x1,5	3/4-16 UNF
GE HMO 18 HJ 08	M 18x1,5	3/4-16 UNF
GE HMO 18 HJ 10	M 18x1,5	7/8-14 UNF
GE HMO 22 HJ 10	M 22x1,5	7/8-14 UNF
GE HMO 22 HJ 12	M 22x1,5	1 1/16-12 UN
GE HMO 27 HJ 12	M 27x2	1 1/16-12 UN
GE HMO 27 HJ 16	M 27x2	1 5/16-12 UN
GE HMO 33 HJ 16	M 33x2	1 5/16-12 UN
GE HMO 42 HJ 20	M 42x2	1 5/8-12 UN
GE HMO 48 HJ 24	M 48x2	1 7/8-12 UN

GE HRO K HJ

Straight coupling

male thread with 74° cone,
female BSP thread, flat sealing,
circular box seal

Article category 3613



Designation	*Thread for stud ends BSP*	*Connection thread*
GE HRO K 02 HJ 04	1/8	7/16-20 UNF
GE HRO K 02 HJ 05	1/8	1/2-20 UNF
GE HRO K 04 HJ	1/4	7/16-20 UNF
GE HRO K 04 HJ 05	1/4	1/2-20 UNF
GE HRO K 04 HJ 06	1/4	9/16-18 UNF
GE HRO K 04 HJ 08	1/4	3/4-16 UNF
GE HRO K 06 HJ 04	3/8	7/16-20 UNF
GE HRO K 06 HJ 05	3/8	1/2-20 UNF
GE HRO K 06 HJ	3/8	9/16-18 UNF
GE HRO K 06 HJ 08	3/8	3/4-16 UNF
GE HRO K 06 HJ 10	3/8	7/8-14 UNF
GE HRO K 08 HJ 04	1/2	7/16-20 UNF
GE HRO K 08 HJ 06	1/2	9/16-18 UNF
GE HRO K 08 HJ	1/2	3/4-16 UNF
GE HRO K 08 HJ 10	1/2	7/8-14 UNF
GE HRO K 08 HJ 12	1/2	1 1/16-12 UN
GE HRO K 12 HJ 08	3/4	3/4-16 UNF
GE HRO K 12 HJ 10	3/4	7/8-14 UNF
GE HRO K 12 HJ	3/4	1 1/16-12 UN
GE HRO K 12 HJ 14	3/4	1 3/16-12 UN
GE HRO K 12 HJ 16	3/4	1 5/16-12 UN

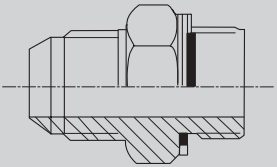
-->

GE HRO K HJ

Straight coupling

male thread with 74° cone,
female BSP thread, flat sealing,
circular box seal

Article category 3613



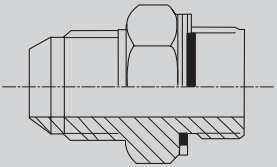
Designation	*Thread for stud ends BSP*	*Connection thread*
<--		
GE HRO K 16 HJ 12	1	1 1/16-12 UN
GE HRO K 16 HJ	1	1 5/16-12 UN
GE HRO K 16 HJ 20	1	1 5/8-12 UN
GE HRO K 20 HJ 16	1 1/4	1 5/16-12 UN
GE HRO K 20 HJ	1 1/4	1 5/8-12 UN
GE HRO K 20 HJ 24	1 1/4	1 7/8-12 UN
GE HRO K 24 HJ	1 1/2	1 7/8-12 UN

GE HRO HJ

Straight coupling

male thread with 74° cone,
female BSP thread, flat sealing,
O-ring

Article category 3614



Designation	*Thread for stud ends BSP*	*Connection thread*
GE HRO 02 HJ 04	1/8	7/16-20 UNF
GE HRO 04 HJ	1/4	7/16-20 UNF
GE HRO 04 HJ 06	1/4	9/16-18 UNF
GE HRO 06 HJ	3/8	9/16-18 UNF
GE HRO 06 HJ 05	3/8	1/2-20 UNF
GE HRO 06 HJ 10	3/8	7/8-14 UNF
GE HRO 08 HJ	1/2	3/4-16 UNF
GE HRO 08 HJ 10	1/2	7/8-14 UNF
GE HRO 12 HJ	3/4	1 1/16-12 UN
GE HRO 12 HJ 16	3/4	1 5/16-12 UN
GE HRO 24 HJ	1 1/2	1 7/8-12 UN

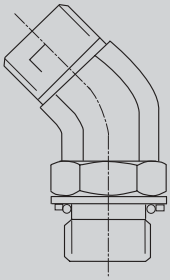
W 45 HRO HB

Connector 45°

Male BSP thread with 60° cone seat

male thread, flat sealing

Article category 3614



Designation	*Thread for stud ends BSP*	*Connection thread BSP*
W 45 HRO 04 HB	1/4	1/4
W 45 HRO 06 HB	3/8	3/8
W 45 HRO 08 HB	1/2	1/2
W 45 HRO 08 HB 12	1/2	3/4
W 45 HRO 12 HB	3/4	3/4
W 45 HRO 12 HB 16	3/4	1
W 45 HRO 16 HB	1	1

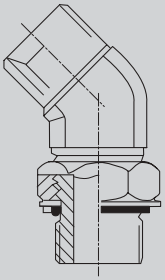
W 45 HROK HB

Connector 45°

Male BSP thread with 60° cone seat

male thread with circular box seal

Article category 3614



Designation	*Thread for stud ends BSP*	*Connection thread BSP*
W 45 HROK 04 HB 06	1/4	3/8

HANSA FLEX
Hydraulikschläuche

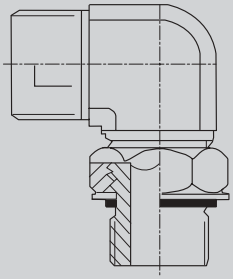
W 90 HRO HB

Connector 90°

Male BSP thread with 60° cone seat

male thread, flat sealing

Article category 3614



Designation	*Thread for stud ends BSP*	*Connection thread BSP*
W 90 HRO 04 HB	1/4	1/4
W 90 HRO 06 HB	3/8	3/8
W 90 HRO 16 HB 20	1	1 1/4

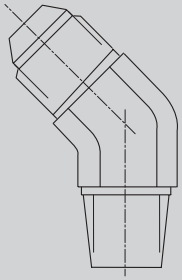
W 45 HRK HJ

Connector 45°

Male BSP thread

male UNF thread with 74° cone

Article category 3620



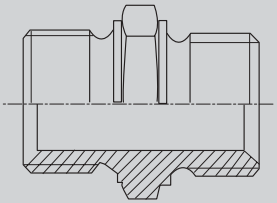
Designation	*Thread for stud ends BSP-T*	*Connection thread*
W 45 HRK 02 HJ 05	1/8	1/2-20 UNF
W 45 HRK 02 HJ 04	1/8	7/16-20 UNF
W 45 HRK 04 HJ	1/4	7/16-20 UNF
W 45 HRK 04 HJ 05	1/4	1/2-20 UNF
W 45 HRK 04 HJ 06	1/4	9/16-18 UNF
W 45 HRK 04 HJ 08	1/4	3/4-16 UNF
W 45 HRK 06 HJ	3/8	9/16-18 UNF
W 45 HRK 06 HJ 08	3/8	3/4-16 UNF
W 45 HRK 06 HJ 10	3/8	7/8-14 UNF
W 45 HRK 08 HJ	1/2	3/4-16 UNF
W 45 HRK 08 HJ 06	1/2	9/16-18 UNF
W 45 HRK 08 HJ 10	1/2	7/8-14 UNF
W 45 HRK 08 HJ 12	1/2	1 1/16-12 UN
W 45 HRK 12 HJ	3/4	1 1/16-12 UN
W 45 HRK 12 HJ 10	3/4	7/8-14 UNF
W 45 HRK 12 HJ 14	3/4	1 3/16-12 UN
W 45 HRK 12 HJ 16	3/4	1 5/16-12 UN
W 45 HRK 16 HJ 12	1	1 1/16-12 UN
W 45 HRK 16 HJ	1	1 5/16-12 UN
W 45 HRK 16 HJ 20	1	1 5/8-12 UN
W 45 HRK 20 HJ	1 1/4	1 5/8-12 UN
W 45 HRK 24 HJ	1 1/2	1 7/8-12 UN

GHB

Straight connector

Male BSP thread with 60° cone seat

Article category 3646



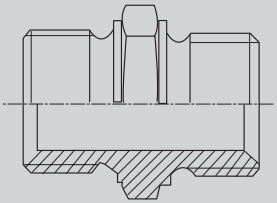
Designation	*Thread BSP*	*Thread BSP*
G HB 02	1/8	1/8
G HB 04	1/4	1/4
G HB 06	3/8	3/8
G HB 08	1/2	1/2
G HB 10	5/8	5/8
G HB 12	3/4	3/4
G HB 16	1	1
G HB 20	1 1/4	1 1/4
G HB 24	1 1/2	1 1/2
G HB 32	2	2

GHB HB

Straight connector

Male BSP thread with 60° cone seat

Article category 3646



Designation	*Thread BSP*	*Thread BSP*
G HB 02 HB 04	1/8	1/4
G HB 02 HB 06	1/8	3/8
G HB 02 HB 08	1/8	1/2
G HB 04 HB 06	1/4	3/8
G HB 04 HB 08	1/4	1/2
G HB 04 HB 10	1/4	5/8
G HB 04 HB 12	1/4	3/4
G HB 04 HB 16	1/4	1
G HB 04 HB 20	1/4	1 1/4
G HB 06 HB 08	3/8	1/2
G HB 06 HB 10	3/8	5/8
G HB 06 HB 12	3/8	3/4
G HB 06 HB 16	3/8	1
G HB 06 HB 20	3/8	1 1/4
G HB 08 HB 10	1/2	5/8
G HB 08 HB 12	1/2	3/4
G HB 08 HB 16	1/2	1
G HB 08 HB 20	1/2	1 1/4
G HB 08 HB 24	1/2	1 1/2
G HB 08 HB 32	1/2	2
G HB 10 HB 12	5/8	3/4
G HB 10 HB 16	5/8	1
G HB 10 HB 20	5/8	1 1/4

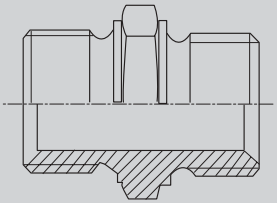
-->

GHB HB

Straight connector

Male BSP thread with 60° cone seat

Article category 3646

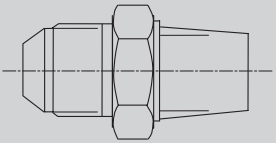


Designation	*Thread BSP*	*Thread BSP*
<--		
G HB 12 HB 16	3/4	1
G HB 12 HB 20	3/4	1 1/4
G HB 12 HB 24	3/4	1 1/2
G HB 12 HB 32	3/4	2
G HB 16 HB 20	1	1 1/4
G HB 16 HB 24	1	1 1/2
G HB 16 HB 32	1	2
G HB 20 HB 24	1 1/4	1 1/2
G HB 20 HB 32	1 1/4	2
G HB 24 HB 32	1 1/2	2

GE HRK HJ

Straight coupling

Male BSP thread, metallic sealing
male UNF thread with 74° cone
Article category 3647



Designation	*Thread for stud ends*	*Connection thread*
GE HRK 02 HJ 04	1/8	7/16-20 UNF
GE HRK 02 HJ 05	1/8	1/2-20 UNF
GE HRK 04 HJ	1/4	7/16-20 UNF
GE HRK 04 HJ 05	1/4	1/2-20 UNF
GE HRK 04 HJ 06	1/4	9/16-18 UNF
GE HRK 04 HJ 08	1/4	3/4-16 UNF
GE HRK 06 HJ	3/8	9/16-18 UNF
GE HRK 06 HJ 08	3/8	3/4-16 UNF
GE HRK 06 HJ 10	3/8	7/8-14 UNF
GE HRK 08 HJ 06	1/2	9/16-18 UNF
GE HRK 08 HJ	1/2	3/4-16 UNF
GE HRK 08 HJ 10	1/2	7/8-14 UNF
GE HRK 08 HJ 12	1/2	1 1/16-12 UN
GE HRK 12 HJ 10	3/4	7/8-14 UNF
GE HRK 12 HJ	3/4	1 1/16-12 UN
GE HRK 12 HJ 14	3/4	1 3/16-12 UN
GE HRK 12 HJ 16	3/4	1 5/16-12 UN
GE HRK 16 HJ 12	1	1 1/16-12 UN
GE HRK 16 HJ	1	1 5/16-12 UN
GE HRK 16 HJ 20	1	1 5/8-12 UN
GE HRK 20 HJ	1 1/4	1 5/8-12 UN
GE HRK 24 HJ	1 1/2	1 7/8-12 UN

SV HB

BSP bulkhead adapters

Male BSP thread with 60° cone seat

Article category 3648

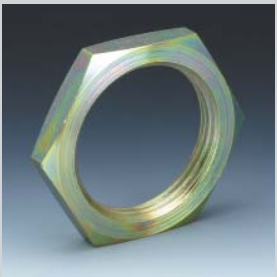
Designation	*Connection thread BSP*	*Connection thread BSP*
SV HB 02	1/8	1/8
SV HB 04	1/4	1/4
SV HB 06	3/8	3/8
SV HB 08	1/2	1/2
SV HB 100	5/8	5/8
SV HB 12	3/4	3/4
SV HB 16	1	1
SV HB 20	1 1/4	1 1/4
SV HB 24	1 1/2	1 1/2
SV HB 32	2	2

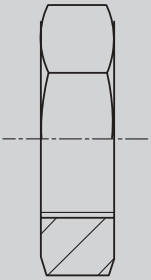
KM BSP

Hexagonal nut

with BSP thread

Article category 3649





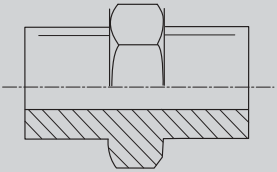
Designation	*Size*	*Connection thread BSP*
KM 04 BSP	4	1/4
KM 06 BSP	6	3/8
KM 08 BSP	8	1/2
KM 10 BSP	10	5/8
KM 12 BSP	12	3/4
KM 16 BSP	16	1
KM 20 BSP	20	1 1/4
KM 24 BSP	24	1 1/2
KM 32 BSP	32	2

G HRK

Connector

male BSP thread, flat sealing

Article category 3652



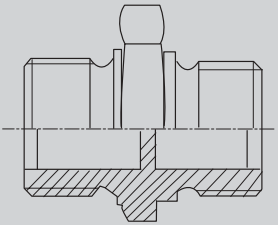
Designation	*Thread for stud ends 1 BSP-T*	*Thread for stud ends 2 BSP-T*
G HRK 02	1/8	1/8
G HRK 04	1/4	1/4
G HRK 06	3/8	3/8
G HRK 08	1/2	1/2
G HRK 12	3/4	3/4
G HRK 16	1	1
G HRK 20	1 1/4	1 1/4
G HRK 24	1 1/2	1 1/2
G HRK 32	2	2

GE HB HR

Straight coupling

male BSP thread with 60° cone seat, flat sealing

Article category 3653



Designation	*Connection thread BSP 60°*	*Connection thread BSP flach*
GE HB 04 HR	1/4	1/4
GE HB 04 HR 02	1/4	1/8
GE HB 04 HR 06	1/4	3/8
GE HB 06 HR	3/8	3/8
GE HB 06 HR 04	3/8	1/4
GE HB 08 HR 06	1/2	3/8
GE HB 08 HR	1/2	1/2
GE HB 08 HR 12	1/2	3/4
GE HB 10 HR	5/8	5/8
GE HB 10 HR 08	5/8	1/2
GE HB 10 HR 12	5/8	3/4
GE HB 12 HR 08	3/4	1/2
GE HB 12 HR	3/4	3/4
GE HB 12 HR 10	3/4	5/8
GE HB 16 HR 12	1	3/4
GE HB 16 HR	1	1
GE HB 20 HR 16	1 1/4	1
GE HB 20 HR	1 1/4	1 1/4
GE HB 24 HR 20	1 1/2	1 1/4
GE HB 24 HR	1 1/2	1 1/2

GE HR

Straight coupling

male BSP thread, sealing necessary, flat sealing

Article category 3654

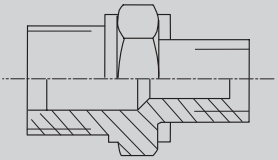
Designation	*Connection thread BSP 60°*	*Connection thread BSP flat*
GE HR 04	1/4	1/4
GE HR 06	3/8	3/8
GE HR 08	1/2	1/2
GE HR 12	3/4	3/4

GE HR HR

Straight coupling

male BSP thread, flat sealing

Article category 3654



Designation	*Connection thread BSP 60°*	*Connection thread BSP flat*
GE HR 06 HR 04	3/8	1/4
GE HR 08 HR 06	1/2	3/8
GE HR 12 HR 08	3/4	1/2

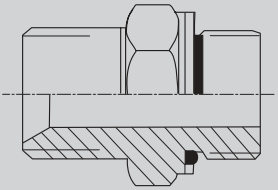
GE HRO K HB

Straight coupling

male BSP thread, circular box seal

male BSP thread with 60° cone seat

Article category 3655



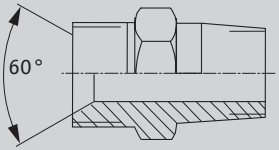
Designation	*Thread for stud ends BSP*	*Connection thread BSP*
GE HRO K 02 HB	1/8	1/8
GE HRO K 04 HB	1/4	1/4
GE HRO K 04 HB 02	1/4	1/8
GE HRO K 04 HB 06	1/4	3/8
GE HRO K 06 HB	3/8	3/8
GE HRO K 06 HB 04	3/8	1/4
GE HRO K 06 HB 08	3/8	1/2
GE HRO K 08 HB	1/2	1/2
GE HRO K 08 HB 06	1/2	3/8
GE HRO K 08 HB 10	1/2	5/8
GE HRO K 08 HB 12	1/2	3/4
GE HRO K 12 HB	3/4	3/4
GE HRO K 12 HB 08	3/4	1/2
GE HRO K 12 HB 16	3/4	1
GE HRO K 16 HB	1	1
GE HRO K 16 HB 12	1	3/4
GE HRO K 20 HB	1 1/4	1 1/4
GE HRO K 20 HB 16	1 1/4	1
GE HRO K 24 HB	1 1/2	1 1/2

GE HRK HB

Straight coupling

male BSP thread, taper thread, 60° cone seat

Article category 3656



Designation	*Thread for stud ends BSP-T*	*Connection thread BSP-60°*
GE HRK 02 HB	1/8	1/8
GE HRK 02 HB 04	1/8	1/4
GE HRK 02 HB 06	1/8	3/8
GE HRK 04 HB 02	1/4	1/8
GE HRK 04 HB	1/4	1/4
GE HRK 04 HB 06	1/4	3/8
GE HRK 04 HB 08	1/4	1/2
GE HRK 06 HB	3/8	3/8
GE HRK 06 HB 02	3/8	1/8
GE HRK 06 HB 04	3/8	1/4
GE HRK 06 HB 08	3/8	1/2
GE HRK 06 HB 12	3/8	3/4
GE HRK 08 HB 06	1/2	3/8
GE HRK 08 HB	1/2	1/2
GE HRK 08 HB 12	1/2	3/4
GE HRK 08 HB 16	1/2	1
GE HRK 12 HB 06	3/4	3/8
GE HRK 12 HB 08	3/4	1/2
GE HRK 12 HB	3/4	3/4
GE HRK 12 HB 16	3/4	1
GE HRK 12 HB 20	3/4	1 1/4

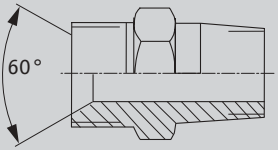
-->

GE HRK HB

Straight coupling

male BSP thread, taper thread, 60° cone seat

Article category 3656



Designation	*Thread for stud ends BSP-T*	*Connection thread BSP*
<--		
GE HRK 16 HB 06	1	3/8
GE HRK 16 HB 12	1	3/4
GE HRK 16 HB	1	1
GE HRK 16 HB 20	1	1 1/4
GE HRK 16 HB 24	1	1 1/2
GE HRK 20 HB 12	1 1/4	3/4
GE HRK 20 HB 16	1 1/4	1
GE HRK 20 HB	1 1/4	1 1/4
GE HRK 20 HB 24	1 1/4	1 1/2
GE HRK 20 HB 32	1 1/4	2
GE HRK 24 HB 16	1 1/2	1
GE HRK 24 HB 20	1 1/2	1 1/4
GE HRK 24 HB	1 1/2	1 1/2
GE HRK 24 HB 32	1 1/2	2
GE HRK 32 HB	2	2
GE HRK 32 HB 20	2	1 1/4
GE HRK 32 HB 24	2	1 1/2

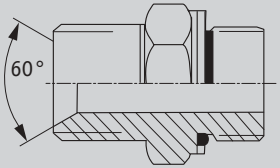
GE HMO K HB

Straight coupling

male metric thread, circular box seal

male BSP thread with 60° cone seat

Article category 3657



Designation	*Thread for stud ends BSP*	*Connection thread*
GE HMO K 12 HB 04	1/4	M 12 x 1,5
GE HMO K 18 HB 08	1/2	M 18 x 1,5

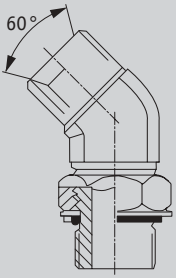
W 45 HMO K HB

Connector 45°

male metric fine thread, circular box seal, flat sealing

male BSP thread with 60° cone seat

Article category 3658



Designation	*Thread for stud ends BSP-60°*	*Connection thread*
W 45 HMO K 48 HB 24	1 1/2	M 48 x 2

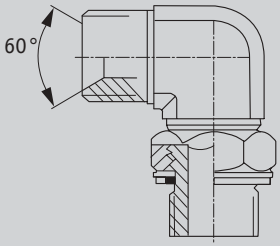
W 90 HMO K HB

Connector 90°

male metric fine thread, circular box seal, flat sealing

male BSP thread

Article category 3660



Designation	*Thread for stud ends BSP*	*Connection thread*
W 90 HMO K 12 HB 02	1/8	M 12x1,5
W 90 HMO K 12 HB 04	1/4	M 12x1,5
W 90 HMO K 14 HB 04	1/4	M 14x1,5
W 90 HMO K 14 HB 06	3/8	M 14x1,5
W 90 HMO K 16 HB 06	3/8	M 16x1,5
W 90 HMO K 18 HB 06	3/8	M 18x1,5
W 90 HMO K 18 HB 08	1/2	M 18x1,5
W 90 HMO K 20 HB 08	1/2	M 20x1,5
W 90 HMO K 22 HB 08	1/2	M 22x1,5
W 90 HMO K 22 HB 12	3/4	M 22x1,
W 90 HMO K 26 HB 12	3/4	M 26x1,5
W 90 HMO K 33 HB 16	1	M 33x2
W 90 HMO K 42 HB 20	1 1/4	M 42x2

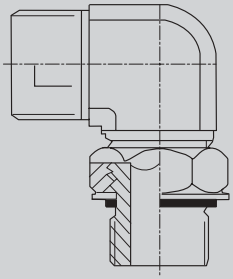
W 90 HRO K HB

Connector 90°

male BSP thread with circular box seal

male BSP thread with 60° cone seat

Article category 3660



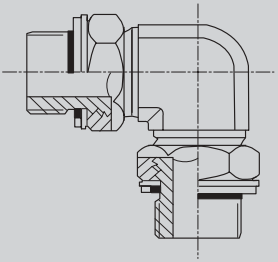
Designation	*Thread for stud ends BSP*	*Connection thread BSP-60°*
W 90 HRO K 02 HB	1/8	1/8
W 90 HRO K 04 HB 02	1/4	17
W 90 HRO K 04 HB	1/4	1/4
W 90 HRO K 04 HB 06	1/4	3/8
W 90 HRO K 06 HB	3/8	3/8
W 90 HRO K 06 HB 08	3/8	1/2
W 90 HRO K 08 HB 06	1/2	3/8
W 90 HRO K 08 HB	1/2	1/2
W 90 HRO K 08 HB 10	1/2	5/8
W 90 HRO K 08 HB 12	1/2	3/4
W 90 HRO K 12 HB 08	3/4	1/2
W 90 HRO K 12 HB	3/4	3/4
W 90 HRO K 12 HB 16	3/4	1
W 90 HRO K 16 HB 12	1	3/4
W 90 HRO K 16 HB	1	1
W 90 HRO K 20 HB 16	1 1/4	1
W 90 HRO K 20 HB	1 1/4	1 1/4
W 90 HRO K 24 HB	1 1/2	1 1/2

W 90 HRO K

Connector 90°

male BSP thread, circular box seal on both sides

Article category 3660



Designation	*Thread for stud ends BSP*
W 90 HRO K 08	1/2

HANSA FLEX
Hydraulikschläuche

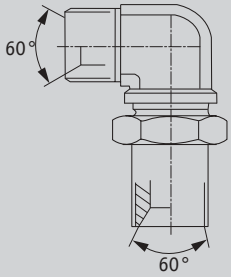
SW HB

Bulkhead elbow 90°

male BSP thread with 60° cone seat

male BSP thread and 60° cone seat with counter nut

Article category 3661



Designation	*Connection thread BSP*
SW HB 02	1/8
SW HB 04	1/4
SW HB 06	3/8
SW HB 08	1/2
SW HB 10	5/8
SW HB 12	3/4
SW HB 16	1
SW HB 20	1 1/4
SW HB 24	1 1/2

G AB HB

Straight connector

female thread, union nut BSP with 60° cone

male BSP thread with 60° cone seat

Article category 3662

Designation	*Union nut BSP*	*Thread for stud ends BSP*
G AB 02 HB	1/8	1/8
G AB 02 HB 04	1/8	1/4
G AB 04 HB	1/4	1/4
G AB 04 HB 02	1/4	1/8
G AB 04 HB 06	1/4	3/8
G AB 04 HB 08	1/4	1/2
G AB 06 HB	3/8	3/8
G AB 06 HB 04	3/8	1/4
G AB 06 HB 08	3/8	1/2
G AB 06 HB 12	3/8	3/4
G AB 08 HB	1/2	1/2
G AB 08 HB 04	1/2	1/4
G AB 08 HB 06	1/2	3/8
G AB 08 HB 10	1/2	5/8
G AB 08 HB 12	1/2	3/4
G AB 08 HB 16	1/2	1
G AB 10 HB	5/8	5/8
G AB 10 HB 06	5/8	3/8
G AB 10 HB 08	5/8	1/2
G AB 10 HB 12	5/8	3/4
G AB 10 HB 16	5/8	1

-->

G AB HB

Straight connector

female thread, union nut BSP with 60° cone

male BSP thread with 60° cone seat

Article category 3662

Designation	*Union nut BSP*	*Thread for stud ends BSP*
<--		
G AB 12 HB	3/4	3/4
G AB 12 HB 06	3/4	3/8
G AB 12 HB 08	3/4	1/2
G AB 12 HB 10	3/4	5/8
G AB 12 HB 16	3/4	1
G AB 12 HB 20	3/4	1-1/4
G AB 16 HB	1	1
G AB 16 HB 08	1	1/2
G AB 16 HB 10	1	5/8
G AB 16 HB 12	1	3/4
G AB 16 HB 20	1	1-1/4
G AB 20 HB	1-1/4	1-1/4
G AB 20 HB 12	1 1/4	3/4
G AB 20 HB 16	1-1/4	1
G AB 20 HB 24	1-1/4	1-1/2
G AB 24 HB	1-1/2	1-1/2
G AB 24 HB 20	1-1/2	1-1/4
G AB 24 HB 32	1-1/2	2
G AB 32 HB	2	2
G AB 32 HB 24	2	1-1/2

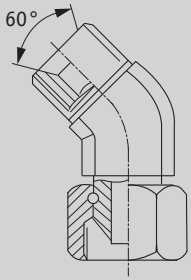
W 45 AB HB

Connector 45°

Female thread, union nut BSP with 60° cone

male BSP thread with 60° cone seat

Article category 3662



Designation	*Union nut BSP*	*Thread for stud ends BSP*
W 45 AB 04 HB	1/4	1/4
W 45 AB 06 HB	3/8	3/8
W 45 AB 08 HB	1/2	1/2
W 45 AB 10 HB	5/8	5/8
W 45 AB 12 HB	3/4	3/4
W 45 AB 16 HB	1	1
W 45 AB 24 HB	1 1/2	1 1/2

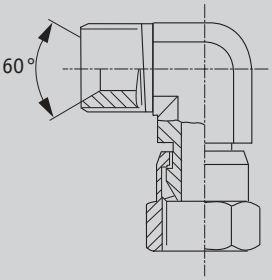
W 90 AB HB

Connector 90°

Female thread, union nut BSP with 60° cone

male BSP thread with 60° cone seat

Article category 3662



Designation	*Union nut BSP*	*Thread for stud ends BSP*
W 90 AB 04 HB	1/4	1/4
W 90 AB 06 HB	3/8	3/8
W 90 AB 08 HB	1/2	1/2
W 90 AB 10 HB	5/8	5/8
W 90 AB 12 HB	3/4	3/4
W 90 AB 16 HB	1	1
W 90 AB 20 HB	1 1/4	1 1/4
W 90 AB 24 HB	1 1/2	1 1/2
W 90 AB 32 HB	2	2

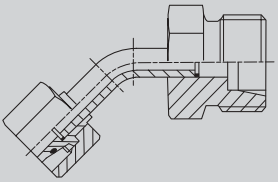
WB 45 AOL HL

Connector 45°

short pipe elbow, 24° cone, O-ring, metric thread, light series

male metric thread, light series, 24° cone seat (CEL)

Article category 3663



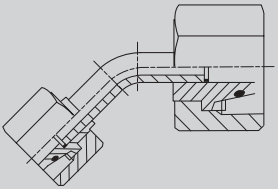
Designation	*DN*	*Tube O.D.*	*Thread*	*Calculated pressure bar*
WB 45 AOL 04 HL	4	6	M 12x1,5	315
WB 45 AOL 06 HL	6	8	M 14x1,5	315
WB 45 AOL 08 HL	8	10	M 16x1,5	315
WB 45 AOL 10 HL	10	12	M 18x1,5	315
WB 45 AOL 13 HL	13	15	M 22x1,5	315
WB 45 AOL 16 HL	16	18	M 26x1,5	315
WB 45 AOL 20 HL	20	22	M 30x2	160
WB 45 AOL 25 HL	25	28	M 36x2	160
WB 45 AOL 32 HL	32	35	M 45x2	160
WB 45 AOL 40 HL	40	42	M 52x2	160

WB 45 NW AOL

Connector 45°

short pipe elbow, metric light series, 24° cone, O-ring

Article category 3663



Designation	*DN*	*Tube O.D.*	*Thread*	*Calculated pressure bar*
WB 45 NW 04 AOL	4	6	M 12x1,5	315
WB 45 NW 06 AOL	6	8	M 14x1,5	315
WB 45 NW 08 AOL	8	10	M 16x1,5	315
WB 45 NW 10 AOL	10	12	M 18x1,5	315
WB 45 NW 13 AOL	13	15	M 22x1,5	315
WB 45 NW 16 AOL	16	18	M 26x1,5	315
WB 45 NW 20 AOL	20	22	M 30x2	160
WB 45 NW 25 AOL	25	28	M 36x2	160
WB 45 NW 32 AOL	32	35	M 45x2	160
WB 45 NW 40 AOL	40	42	M 52x2	160

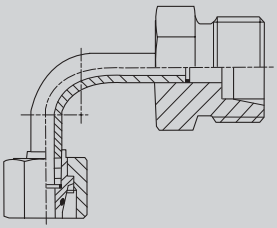
WB 90 AOL HL

Connector 90°

short pipe elbow, 24° cone with O-ring, metric light series (DKOL)

male metric thread, light series, 24° cone (CEL)

Article category 3663



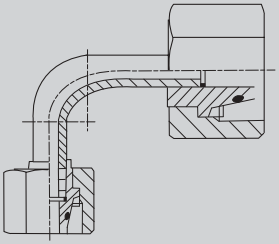
Designation	*DN*	*Tube O.D.*	*Thread*	*Calculated pressure bar*
WB 90 AOL 04 HL	4	6	M 12x1,5	315
WB 90 AOL 06 HL	6	8	M 14x1,5	315
WB 90 AOL 08 HL	8	10	M 16x1,5	315
WB 90 AOL 10 HL	10	12	M 18x1,5	315
WB 90 AOL 13 HL	13	15	M 22x1,5	315
WB 90 AOL 16 HL	16	18	M 26x1,5	315
WB 90 AOL 20 HL	20	22	M 30x2	160
WB 90 AOL 25 HL	25	28	M 36x2	160
WB 90 AOL 32 HL	32	35	M 45x2	160
WB 90 AOL 40 HL	40	42	M 52x2	160

WB 90 NW AOL

Connector 90°

short pipe elbow, metric light series, 24° cone with O-ring

Article category 3663



Designation	*DN*	*Tube O.D.*	*Thread*	*Calculated pressure bar*
WB 90 NW 04 AOL	4	6	M 12x1,5	315
WB 90 NW 06 AOL	6	8	M 14x1,5	315
WB 90 NW 08 AOL	8	10	M 16x1,5	315
WB 90 NW 10 AOL	10	12	M 18x1,5	315
WB 90 NW 13 AOL	13	15	M 22x1,5	315
WB 90 NW 16 AOL	16	18	M 26x1,5	315
WB 90 NW 20 AOL	20	22	M 30x2	160
WB 90 NW 25 AOL	25	28	M 36x2	160
WB 90 NW 32 AOL	32	35	M 45x2	160
WB 90 NW 40 AOL	40	42	M 52x2	160

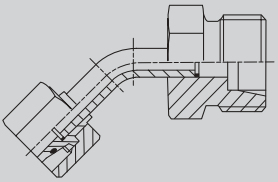
WB 45 AOS HS

Connector 45°

short pipe elbow, 24° cone, O-ring, metric thread, heavy series (DKOS)

male metric thread, light series, 24° cone seat (CES)

Article category 3664



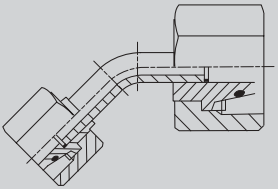
Designation	DN	Tube O.D.	Thread	Calculated pressure bar
WB 45 AOS 03 HS	3	6	M 14x1,5	600
WB 45 AOS 04 HS	4	8	M 16x1,5	600
WB 45 AOS 06 HS	6	10	M 18x1,5	600
WB 45 AOS 08 HS	8	12	M 20x1,5	600
WB 45 AOS 10 HS	10	14	M 22x1,5	600
WB 45 AOS 13 HS	13	16	M 24x2	400
WB 45 AOS 16 HS	16	20	M 30x2	400
WB 45 AOS 20 HS	20	25	M 36x2	400
WB 45 AOS 25 HS	25	30	M 42x2	400
WB 45 AOS 32 HS	32	38	M 52x2	315

WB 45 NW AOS

Connector 45°

short pipe elbow, metric heavy series, 24° cone, O-ring

Article category 3664



Designation	*DN*	*Tube O.D.*	*Thread*	*Calculated pressure bar*
WB 45 NW 03 AOS	3	6	M 14x1,5	600
WB 45 NW 04 AOS	4	8	M 16x1,5	600
WB 45 NW 06 AOS	6	10	M 18x1,5	600
WB 45 NW 08 AOS	8	12	M 20x1,5	600
WB 45 NW 10 AOS	10	14	M 22x1,5	600
WB 45 NW 13 AOS	13	16	M 24x2	400
WB 45 NW 16 AOS	16	20	M 30x2	400
WB 45 NW 20 AOS	20	25	M 36x2	400
WB 45 NW 25 AOS	25	30	M 42x2	400
WB 45 NW 32 AOS	32	38	M 52x2	315

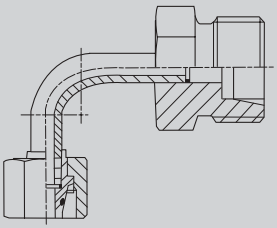
WB 90 AOS HS

Connector 90°

short pipe elbow, 24° cone, O-ring, metric thread, heavy series (DKOS)

male metric thread, light series, 24° cone seat (CES)

Article category 3664



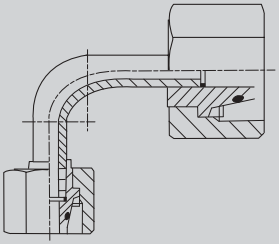
Designation	DN	Tube O.D.	Thread	Calculated pressure bar
WB 90 AOS 03 HS	3	6	M 14x1,5	600
WB 90 AOS 04 HS	4	8	M 16x1,5	600
WB 90 AOS 06 HS	6	10	M 18x1,5	600
WB 90 AOS 08 HS	8	12	M 20x1,5	600
WB 90 AOS 10 HS	10	14	M 22x1,5	600
WB 90 AOS 13 HS	13	16	M 24x2	400
WB 90 AOS 16 HS	16	20	M 30x2	400
WB 90 AOS 20 HS	20	25	M 36x2	400
WB 90 AOS 25 HS	25	30	M 42x2	400
WB 90 AOS 32 HS	32	38	M 52x2	360

WB 90 NW AOS

Connector 90°

short pipe elbow, metric heavy series, 24° cone, O-ring

Article category 3664



Designation	*DN*	*Tube O.D.*	*Thread*	*Calculated pressure bar*
WB 90 NW 03 AOS	3	6	M 14x1,5	600
WB 90 NW 04 AOS	4	8	M 16x1,5	600
WB 90 NW 06 AOS	6	10	M 18x1,5	600
WB 90 NW 08 AOS	8	12	M 20x1,5	600
WB 90 NW 10 AOS	10	14	M 22x1,5	600
WB 90 NW 13 AOS	13	16	M 24x2	400
WB 90 NW 16 AOS	16	20	M 30x2	400
WB 90 NW 20 AOS	20	25	M 36x2	400
WB 90 NW 25 AOS	25	30	M 42x2	400
WB 90 NW 32 AOS	32	38	M 52x2	360

W 90 AB

Connector 90°

female thread, union BSP nut
with 60° cone

Article category 3665

Designation	*Connection thread 1 BSP*	*Connection thread 2 BSP*
W 90 AB 02	1/8	1/8
W 90 AB 04	1/4	1/4
W 90 AB 06	3/8	3/8
W 90 AB 08	1/2	1/2
W 90 AB 12	3/4	3/4
W 90 AB 16	1	1
W 90 AB 20	1 1/4	1 1/4
W 90 AB 24	1 1/2	1 1/2
W 90 AB 32	2	2

WB 90 AB HB

Connector 90°

union BSP nut with 60° cone,
male BSP thread with 60° seal

Article category 3665

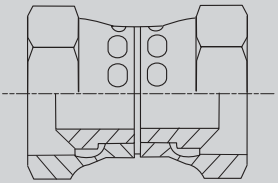
Designation	*BSP 60°*	*BSP 60°*
WB 90 AB 04 HB	1/4	1/4
WB 90 AB 06 HB	3/8	3/8
WB 90 AB 08 HB	1/2	1/2
WB 90 AB 10 HB	5/8	5/8
WB 90 AB 12 HB	3/4	3/4
WB 90 AB 16 HB	1	1
WB 90 AB 20 HB	1 1/4	1 1/4
WB 90 AB 24 HB	1 1/2	1 1/2
WB 90 AB 32 HB	2	2

G AB

Straight connector

union BSP nut with 60° cone

Article category 3666



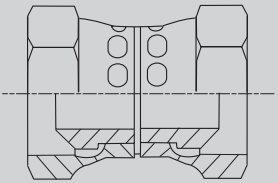
Designation	*Connection thread BSP*	*Connection thread BSP*
G AB 02	1/8	1/8
G AB 04	1/4	1/4
G AB 06	3/8	3/8
G AB 08	1/2	1/2
G AB 10	5/8	5/8
G AB 12	3/4	3/4
G AB 16	1	1
G AB 20	1 1/4	1 1/4
G AB 24	1 1/2	1 1/2
G AB 32	2	2

G AB AB

Straight connector

union BSP nut with 60° cone

Article category 3666



Designation	*Connection thread 1 BSP*	*Connection thread 2 BSP*
G AB 04 AB 02	1/4	1/8
G AB 06 AB 04	3/8	1/4
G AB 08 AB 04	1/2	1/4
G AB 08 AB 06	1/2	3/8
G AB 10 AB 06	5/8	3/8
G AB 10 AB 08	5/8	1/2
G AB 12 AB 06	3/4	3/8
G AB 12 AB 08	3/4	1/2
G AB 12 AB 10	3/4	5/8
G AB 16 AB 06	1	3/8
G AB 16 AB 08	1	1/2
G AB 16 AB 10	1	5/8
G AB 16 AB 12	1	3/4
G AB 20 AB 16	1 1/4	1

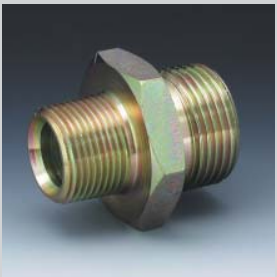
GE HB HN

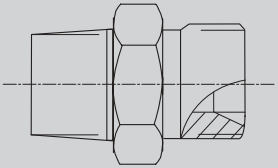
Straight coupling

male BSP thread with 60° cone seat

male NPT thread

Article category 3667





Designation	*Connection thread BSP*	*Thread for stud ends NPT*
GE HB 02 HN	1/8	1/8-27
GE HB 02 HN 04	1/8	1/4-18
GE HB 04 HN 02	1/4	1/8-27
GE HB 04 HN	1/4	1/4-18
GE HB 04 HN 06	1/4	3/8-18
GE HB 04 HN 08	1/4	1/2-14
GE HB 04 HN 12	1/4	3/4-14
GE HB 06 HN 02	3/8	1/8-27
GE HB 06 HN	3/8	3/8-18
GE HB 06 HN 04	3/8	1/4-18
GE HB 06 HN 08	3/8	1/2-14
GE HB 08 HN	1/2	1/2-14
GE HB 08 HN 06	1/2	3/8-18
GE HB 08 HN 12	1/2	3/4-14
GE HB 08 HN 16	1/2	1-11,5
GE HB 10 HN 08	5/8	1/2-14
GE HB 12 HN 04	3/4	1/4-18
GE HB 12 HN 06	3/4	3/8-18
GE HB 12 HN	3/4	3/4-14
GE HB 12 HN 08	3/4	1/2-14
GE HB 12 HN 16	3/4	1-11,5
GE HB 12 HN 20	3/4	1 1/4-11,5

-->

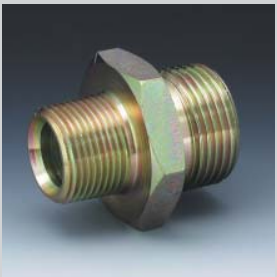
GE HB HN

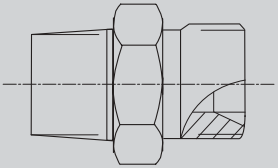
Straight coupling

male BSP thread with 60° cone seat

male NPT thread

Article category 3667





Designation	*Connection thread BSP*	*Thread for stud ends NPT*
<--		
GE HB 16 HN	1	1-11,5
GE HB 16 HN 08	1	1/2-14
GE HB 16 HN 12	1	3/4-14
GE HB 16 HN 20	1	1 1/4-11,5
GE HB 16 HN 24	1	1 1/2-11,5
GE HB 16 HN 32	1	2-11,5
GE HB 20 HN 12	1 1/4	3/4-14
GE HB 20 HN 16	1 1/4	1-11,5
GE HB 20 HN	1/4	1 1/4-11,5
GE HB 20 HN 24	1 1/4	1 1/2-11,5
GE HB 24 HN 16	1 1/2	1-11,5
GE HB 24 HN 20	1 1/2	1 1/4-11,5
GE HB 24 HN	1 1/2	1 1/2-11,5
GE HB 24 HN 32	1 1/2	2-11,5
GE HB 32 HN 20	2	1 1/4-11,5
GE HB 32 HN 24	2	1 1/2-11,5
GE HB 32 HN	2	2-11,5

W 90 HB HN

Connector 90°

male BSP thread with 60° cone seat

male NPT thread

Article category 3667

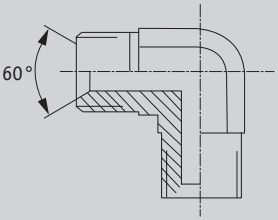
Designation	*Connection thread BSP*	*Thread for stud ends NPT*
W 90 HB 04 HN	1/4	1/4-18
W 90 HB 06 HN	3/8	3/8-18
W 90 HB 08 HN	1/2	1/2-14
W 90 HB 12 HN	3/4	3/4-14

W 90 HB

Connector 90°

male BSP thread with 60° cone seat

Article category 3668



Designation	*Connection thread BSP*
W 90 HB 02	1/8
W 90 HB 04	1/4
W 90 HB 06	3/8
W 90 HB 08	1/2
W 90 HB 10	5/8
W 90 HB 12	3/4
W 90 HB 16	1
W 90 HB 20	1 1/4
W 90 HB 24	1 1/2
W 90 HB 32	2

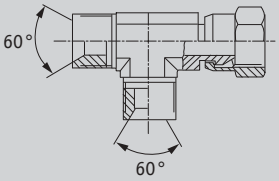
L AB HB

Adjustable equal tees

male BSP thread with 60° cone seat

BSP union nut with 60° cone

Article category 3669



Designation	*Connection thread BSP*	*Connection thread BSP*
L AB 04 HB	1/4	1/4
L AB 06 HB	3/8	3/8
L AB 08 HB	1/2	1/2
L AB 10 HB	5/8	5/8
L AB 12 HB	3/4	3/4
L AB 16 HB	1	1
L AB 20 HB	1 1/4	1 1/4
L AB 24 HB	1 1/2	1 1/2
L AB 32 HB	2	2

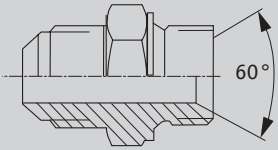
G HB HJ

Straight connector

male BSP thread with 60° cone seat

male UNF thread with 74° cone

Article category 3670



Bezeichnun	*Connection thread*	*Connection thread BSP 60°*
G HB 02 HJ 04	1/8	7/16-20 UNF
G HB 02 HJ 05	1/8	1/2-20 UNF
G HB 02 HJ 06	1/8	9/16-18 UNF
G HB 04 HJ	1/4	7/16-20 UNF
G HB 04 HJ 05	1/4	1/2-20 UNF
G HB 04 HJ 06	1/4	9/16-18 UNF
G HB 04 HJ 08	1/4	3/4-16 UNF
G HB 04 HJ 10	1/4	7/8-14 UNF
G HB 06 HJ	3/8	9/16-18 UNF
G HB 06 HJ 04	3/8	7/16-20 UNF
G HB 06 HJ 05	3/8	1/2-20 UNF
G HB 06 HJ 08	3/8	3/4-16 UNF
G HB 06 HJ 10	3/8	7/8-14 UNF
G HB 06 HJ 12	3/8	1 1/16-12 UN
G HB 08 HJ	1/2	3/4-16 UNF
G HB 08 HJ 04	1/2	7/16-20 UNF
G HB 08 HJ 05	1/2	1/2-20 UNF
G HB 08 HJ 06	1/2	9/16-18 UNF
G HB 08 HJ 10	1/2	7/8-14 UNF
G HB 08 HJ 12	1/2	1 1/16-12 UN
G HB 08 HJ 16	1/2	1 5/16-12 UN
G HB 10 HJ	5/8	7/8-14 UNF
G HB 10 HJ 08	5/8	3/4-16 UNF

-->

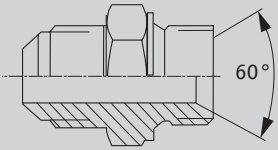
G HB HJ

Straight connector

male BSP thread with 60° cone seat

male UNF thread with 74° cone

Article category 3670



Bezeichnun	*Connection thread BSP 60*	*Connection thread*
<--		
G HB 12 HJ	3/4	1 1/16-12 UN
G HB 12 HJ 06	3/4	9/16-18 UNF
G HB 12 HJ 08	3/4	3/4-16 UNF
G HB 12 HJ 10	3/4	7/8-14 UNF
G HB 12 HJ 14	3/4	1 3/16-12 UN
G HB 12 HJ 16	3/4	1 5/16-12 UN
G HB 16 HJ	1	1 5/16-12 UN
G HB 16 HJ 08	1	3/4-16 UNF
G HB 16 HJ 10	1	7/8-14 UNF
G HB 16 HJ 12	1	1 1/16-12 UN
G HB 16 HJ 14	1	1 3/16-12 UN
G HB 16 HJ 20	1	1 5/8-14 UN
G HB 20 HJ	1 1/4	1 5/8-14 UN
G HB 20 HJ 12	1 1/4	1 1/16-12 UN
G HB 20 HJ 16	1 1/4	1 5/16-12 UN
G HB 20 HJ 24	1 1/4	1 7/8-12 UN
G HB 24 HJ 16	1 1/2	1 5/16-12 UN
G HB 24 HJ 20	1 1/2	1 5/8-12 UN
G HB 24 HJ	1 1/2	1 7/8-12 UN
G HB 24 HJ 32	1 1/2	2 1/2-12 UN
G HB 32 HJ	2	2 1/2-12 UN

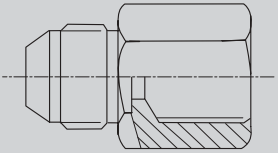
G IR HJ

Straight connector

female BSP thread

male UNF thread with 74° cone

Article category 3671



Bezeichnun	*Connection thread BSP*	*Connection thread*
G IR 02 HJ 04	1/8	7/16-20 UNF
G IR 02 HJ 05	1/8	1/2-20 UNF
G IR 04 HJ	1/4	7/16-20 UNF
G IR 04 HJ 05	1/4	1/2-20 UNF
G IR 04 HJ 06	1/4	9/16-18 UNF
G IR 04 HJ 08	1/4	3/4-16 UNF
G IR 06 HJ	3/8	9/16-18 UNF
G IR 06 HJ 04	3/8	7/16-20 UNF
G IR 06 HJ 08	3/8	3/4-16 UNF
G IR 08 HJ	1/2	3/4-16 UNF
G IR 08 HJ 06	1/2	9/16-18 UNF
G IR 08 HJ 10	1/2	7/8-14 UNF
G IR 08 HJ 12	1/2	1/2-20 UNF
G IR 12 HJ	3/4	1 1/16-12 UN
G IR 12 HJ 14	3/4	1 3/16-12 UN
G IR 16 HJ	1	1 5/16-12 UN
G IR 16 HJ 20	1	1 5/8-12 UN
G IR 20 HJ	1 1/4	1 5/8-12 UN
G IR 20 HJ 24	1 1/4	1 7/8-12 UN
G IR 24 HJ	1 1/2	1 7/8-12 UN

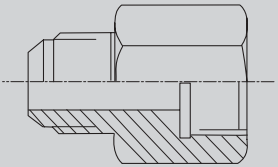
MVR HJ

Gauge connection

female BSP thread

male UNF thread with 74° cone

Article category 3672

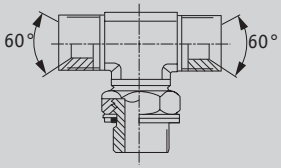


Designation	*Female thread BSP*	*Connection thread AD*
MVR 04 HJ	1/4	7/16-20 UNF
MVR 04 HJ 05	1/4	1/2-20 UNF
MVR 04 HJ 06	1/4	9/16-18 UNF
MVR 04 HJ 08	1/4	3/4-16 UNF
MVR 08 HJ	1/2	3/4-16 UNF
MVR 08 HJ 04	1/2	7/16-20 UNF
MVR 08 HJ 05	1/2	1/2-20 UNF
MVR 08 HJ 06	1/2	9/16-18 UNF

T HRO K HB

Adjustable equal tees

male BSP thread, circular box seal
male BSP thread with 60° cone
Article category 3673



Designation	*Female thread BSP*	*Connection thread BSP-60°*
T HRO K 02 HB	1/8	1/8
T HRO K 04 HB	1/4	1/4
T HRO K 04 HB 02	1/4	1/8
T HRO K 04 HB 06	1/4	3/8
T HRO K 06 HB	3/8	3/8
T HRO K 06 HB 04	3/8	1/4
T HRO K 06 HB 08	3/8	1/2
T HRO K 08 HB	1/2	1/2
T HRO K 08 HB 06	1/2	3/8
T HRO K 08 HB 10	1/2	5/8
T HRO K 08 HB 12	1/2	3/4
T HRO K 12 HB	3/4	3/4
T HRO K 12 HB 08	3/8	1/2
T HRO K 12 HB 16	3/4	1
T HRO K 16 HB	1	1
T HRO K 16 HB 12	1	3/4
T HRO K 20 HB	1 1/4	1 1/4
T HRO K 20 HB 16	1 1/4	1
T HRO K 24 HB	1 1/2	1 1/2

L HRO K HB

Adjustable equal tees

single sided connection port, male BSP thread, sealing circular box

male BSP thread with 60° cone

Article category 3674

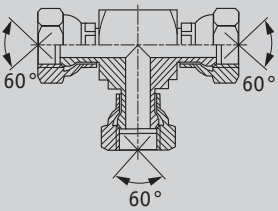
Designation	*Thread for stud ends BSP*	*Connection thread BSP-60°*
L HRO K 04 HB	1/4	1/4
L HRO K 04 HB 02	1/4	1/8
L HRO K 04 HB 06	1/4	3/8
L HRO K 06 HB	3/8	3/8
L HRO K 06 HB 04	3/8	1/4
L HRO K 06 HB 08	3/8	1/2
L HRO K 08 HB	1/2	1/2
L HRO K 08 HB 06	1/2	3/8
L HRO K 08 HB 12	1/2	3/4
L HRO K 12 HB	3/4	3/4
L HRO K 12 HB 08	3/4	1/2
L HRO K 12 HB 16	3/4	1
L HRO K 16 HB	1	1
L HRO K 16 HB 12	1	3/4
L HRO K 20 HB	1 1/4	1 1/4
L HRO K 20 HB 16	1 1/4	1
L HRO K 24 HB	1 1/2	1 1/2

T AB

Adjustable equal tees

all connection ports with BSP union nut and 60° cone

Article category 3675



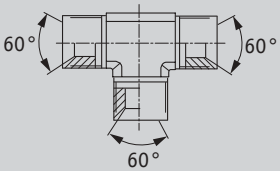
Designation	*Connection thread BSP-60°*
T AB 02	1/8
T AB 04	1/4
T AB 06	3/8
T AB 08	1/2
T AB 12	3/4
T AB 16	1
T AB 20	1 1/4
T AB 24	1 1/2
T AB 32	2

T HB

Equal tees

with connection thread, male BSP thread, 60° cone seat

Article category 3676



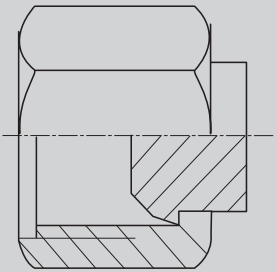
Designation	*Thread BSP*
T HB 02	1/8
T HB 04	1/4
T HB 06	3/8
T HB 08	1/2
T HB 10	5/8
T HB 12	3/4
T HB 16	1
T HB 20	1 1/4
T HB 24	1 1/2
T HB 32	2

VERSCHLUSS AB

End plug

BSP with 60° cone

Article category 3677



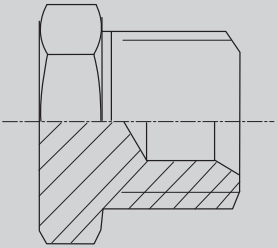
Designation	*Connection thread BSP*
VERSCHLUSS AB 02	1/8
VERSCHLUSS AB 04	1/4
VERSCHLUSS AB 06	3/8
VERSCHLUSS AB 08	1/2
VERSCHLUSS AB 10	5/8
VERSCHLUSS AB 12	3/4
VERSCHLUSS AB 16	1
VERSCHLUSS AB 20	1 1/4
VERSCHLUSS AB 24	1 1/2
VERSCHLUSS AB 32	2

VERSCHLUSS HB

End plug

BSP with 60° cone seat

Article category 3678



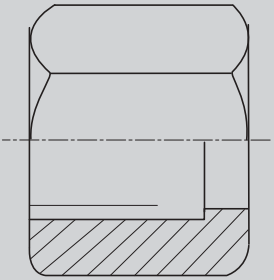
Designation	*Connection thread BSP*
VERSCHLUSS HB 02	1/8
VERSCHLUSS HB 04	1/4
VERSCHLUSS HB 06	3/8
VERSCHLUSS HB 08	1/2
VERSCHLUSS HB 10	5/8
VERSCHLUSS HB 12	3/4
VERSCHLUSS HB 16	1
VERSCHLUSS HB 20	1 1/4
VERSCHLUSS HB 24	1 1/2
VERSCHLUSS HB 32	2

UEM AB

BSP union nut

female BSP thread

Article category 3680



Designation	*Connection thread BSP*
UEM AB 02	1/8
UEM AB 04	1/4
UEM AB 06	3/8
UEM AB 08	1/2
UEM AB 10	5/8
UEM AB 12	3/4
UEM AB 16	1
UEM AB 20	1 1/4
UEM AB 24	1 1/2

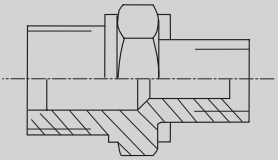
GE H R

Straight coupling

male BSP thread

male metric thread with 60° cone seat

Article category 3750



Designation	*DN*	*Thread*	*BSP*
GE H 06 R	6	M 14x1,5	G 1/4
GE H 08 R 06	8	M 16x1,5	G 1/4
GE H 08 R 10	8	M 16x1,5	G 3/8
GE H 10 R	10	M 18x1,5	G 3/8
GE H 10 R 13	10	M 18x1,5	G 1/2
GE H 13 R	12	M 22x1,5	G 1/2
GE H 13 R 20	12	M 22x1,5	G 3/4
GE H 16 R 13	16	M 26x1,5	G 1/2
GE H 16 R 20	16	M 26x1,5	G 3/4
GE H 20 R	20	M 30x1,5	G 3/4
GE H 20 R 25	20	M 30x1,5	G 1
GE H 25 R	25	M 38x1,5	G 1
GE H 32 R	32	M 45x1,5	G 1 1/4
GE H 40 R	40	M 52x1,5	G 1 1/2
GE H 50 R	50	M 65x2	G 2
GE H 60 R	60	M 78x2	G 2 1/2

GE H M

Straight coupling

male metric thread, flat sealing

male metric thread with 60° cone seat

Article category 3751

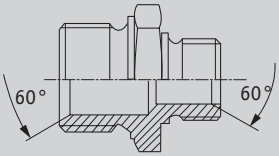
Designation	*DN*	*Thread for stud ends*	*Connection thread*
GE H 06 M 14	6	14x1,5	14x1,5
GE H 08 M 16	8	16x1,5	16x1,5
GE H 10 M 16	10	16x1,5	18x1,5
GE H 10 M 18	10	18x1,5	18x1,5
GE H 13 M 18	13	18x1,5	22x1,5
GE H 13 M 22	13	22x1,5	22x1,5
GE H 16 M 22	16	22x1,5	26x1,5
GE H 16 M 26	16	26x1,5	26x1,5
GE H 20 M 26	20	26x1,5	30x1,5

G H

Straight connector

male metric thread with 60° cone seat

Article category 3752



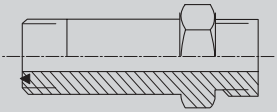
Designation	*DN*	*Male thread 1*	*Male thread 2*
G 04 H 02	4	12x1,5	10x1
G 06 H 04	6	14x1,5	12x1,5
G 08 H 04	8	16x1,5	12x1,5
G 08 H 06	8	16x1,5	14x1,5
G 13 H 10	13	22x1,5	18x1,5
G 25 H 20	25	38x1,5	30x1,5

GE HSS M

Straight coupling

24° seal, bulkhead, heavy series, male metric thread, sealing necessary

Article category 3755



Designation	*Thread 1*	*Thread 2*
GE HSS 08 M 22	M 20x1,5	M 22x1,5
GE HSS 13 M 22	M 20x1,5	M 22x1,5

W 90 A H

Connector 90°

Article category 3758

Designation	*DN*	*Union nut*	*Connection thread*
W 90 A 06 H	6	M 14x1,5	M 14x1,5
W 90 A 08 H	8	M 16x1,5	M 16x1,5
W 90 A 10 H	10	M 18x1,5	M 18x1,5
W 90 A 13 H	13	M 22x1,5	M 22x1,5
W 90 A 16 H	16	M 26x1,5	M 26x1,5
W 90 A 20 H	20	M 30x1,5	M 30x1,5
W 90 A 25 H	25	M 38x1,5	M 38x1,5

GE HB M

Straight coupling

male BSP thread with 60° cone seat

male metric thread with 60° cone seat

Article category 3759

Designation	*Size*	*Connection port 1 BSP*	*Connection port 2*
GE HB 04 M 16	4	1/4	M 16x1,5
GE HB 08 M 18	8	1/2	M 18x1,5

G B H

Straight connector

Article category 3760

Designation	*Screw bore (mm)*	*Connection thread*
G B 02 H	8	M 10x1,0
G B 04 H	10	M 12x1,5
G B 04 H 06	10	M 14x1,5
G B 06 H	12	M 14x1,5
G B 08 H	14	M 16x1,5
G B 08 H 06	14	M 12x1,5
G B 10 H	16	M 18x1,5
G B 13 H	18	M 22x1,5
G B 16 H	22	M 26x1,5
G B 20 H	26	M 30x1,5
G B 25 H	30	M 38x1,5
G B 32 H	42	M 45x1,5

DHS R

Hollow bolt

BSP thread connection

Article category 3761

Designation	*Thread*
DHS R 1/4	1/4

HANSA FLEX
Hydraulikschläuche

DHS M

Hollow bolt

metric thread connection

Article category 3761

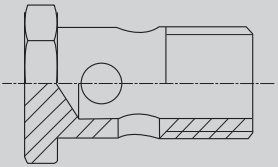
Designation	*Thread*
DHS M 06	M 6x1,0
DHS M 08	M 8x1,0
DHS M 10	M 10x1,0
DHS M 12	M 12x1,5
DHS M 14	M 14x1,5
DHS M 16	M 16x1,5
DHS M 18	M 18x1,5
DHS M 22	M 22x1,5
DHS M 26	M 26x1,5
DHS M 30	M 30x1,5

HS M

Hollow bolt

metric thread connection

Article category 3761



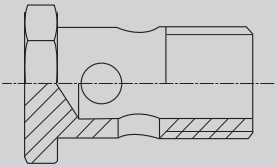
Designation	*Thread*
HS M 06	M 6x1,0
HS M 08	M 8x1,0
HS M 10	M 10x1,0
HS M 12	M 12x1,5
HS M 14	M 14x1,5
HS M 16	M 16x1,5
HS M 18	M 18x1,5
HS M 22	M 22x1,5
HS M 26	M 26x1,5
HS M 30	M 30x1,5
HS M 38	M 38x1,5
HS M 45	M 45x1,5
HS M 52	M 52x1,5

HS R

Hollow bolt

BSP thread connection

Article category 3761



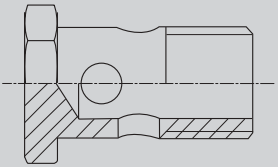
Designation	*Thread*
HS R 1	1
HS R 1/2	1/2
HS R 1/4	1/4
HS R 1/8	1/8
HS R 3/4	3/4
HS R 3/8	3/8

HS R

Hollow bolt

BSP thread connection with guide ring

Article category 3762



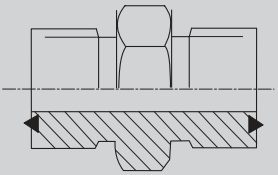
Designation	*Thread*
HSM R 1/2	R 1/2
HSM R 1/4	R 1/4
HSM R 1/8	R 1/8

G HJOF HJOF

Straight connector

male ORFS thread connection, O-ring

Article category 3800



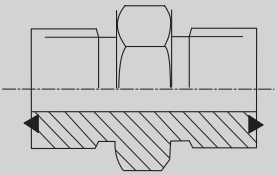
Designation	*Connection thread F1*	*Connection thread F2*
G HJOF 06 HJOF 08	1/16-16	13/16-16
G HJOF 10 HJOF 12	1-14	1 3/16-12

G HJOF

Straight connector

male ORFS thread connection, O-ring

Article category 3800



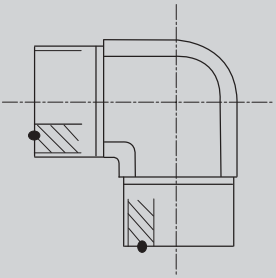
Designation	*Connection thread F1*	*Connection thread F2*
G HJOF 04	9/16-18	7,66-1,78
G HJOF 06	11/16-16	9,25-1,78
G HJOF 08	13/16-16F	12,42-1,78
G HJOF 10	1-14	15,60-1,78
G HJOF 12	1 3/16-12	18,77-1,78
G HJOF 16	1 7/16-12	23,52-1,78
G HJOF 20	1 11/16-12	29,80-1,78
G HJOF 24	2-12	37,82-1,78

W 90 HJOF

Connector 90°

male ORFS thread, O-ring seal

Article category 3801

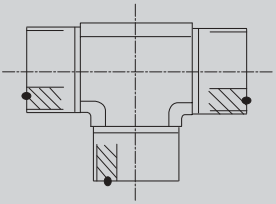


Designation	*Connection thread F1*	*O-Ring*
W 90 HJOF 04	9/16-18	7,66-1,78
W 90 HJOF 06	11/16-16	9,25-1,78
W 90 HJOF 08	13/16-16	12,42-1,78
W 90 HJOF 10	1-14	15,60-1,78
W 90 HJOF 12	1 5/16-12	18,77-1,78
W 90 HJOF 16	1 7/16-12	23,52-1,78
W 90 HJOF 20	1 11/16-12	29,80-1,78
W 90 HJOF 24	2-12	37,82-1,78

T HJOF

T-adapter

with ORFS connection thread,
flat sealing, O-ring
Article category 3802



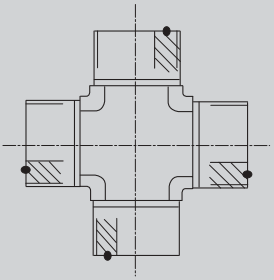
Designation	*Connection thread*	*O-Ring*
T HJOF 04	9/16-18	7,66-1,78
T HJOF 06	11/16-16	9,25-1,78
T HJOF 08	13/16-16	12,42-1,78
T HJOF 10	1-14	15,60-1,78
T HJOF 12	1-3/16-12	18,77-1,78
T HJOF 16	1-7/16-12	23,52-1,78
T HJOF 20	1-11/16-12	29,80-1,78
T HJOF 24	2-12	37,82-1,78

K HJOF

Union cross

male ORFS connection thread,
O-ring seal

Article category 3803



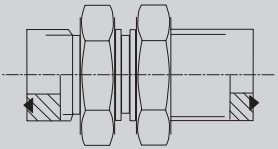
Designation	*Connection thread F*	*O-Ring*
K HJOF 04	9/16-18	7,66-1,78
K HJOF 06	11/16-16	9,25-1,78
K HJOF 08	13/16-16	12,42-1,78
K HJOF 10	1-14	15,6-1,78
K HJOF 12	1 3/16-12	18,77-1,78
K HJOF 16	1 7/16-12	23,52-1,78
K HJOF 20	1 11/16-12	29,80-1,78

SV HJOF

Straight bulkhead coupling

male ORF connection thread, O-ring

Article category 3804



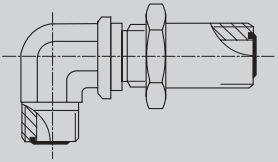
Designation	*Connection thread F*	*O-Ring*
SV HJOF 04	9/16-18	7,66-1,78
SV HJOF 06	11/16-16	9,25-1,78
SV HJOF 08	13/16-16	12,42-1,78
SV HJOF 10	1 -14	15,60-1,78
SV HJOF 12	1 3/16-12	18,77-1,78
SV HJOF 16	1 7/16-12	23,52-1,78
SV HJOF 20	1 11/16-12	29,80-1,78
SV HJOF 24	2-12	37,82-1,78

SW HJOF

Elbow bulkhead coupling 90°

male ORF connection thread,
O-ring

Article category 3805



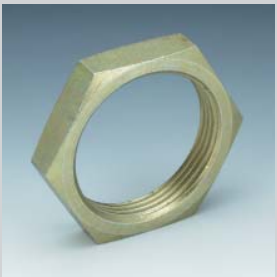
Designation	*ORFS Thread*	*O-Ring*
SW HJOF 04	9/16-12	7,66-1,78
SW HJOF 06	11/16-16	9,25-1,78
SW HJOF 08	13/16-16	12,42-1,78
SW HJOF 10	1-14	15,6-1,78
SW HJOF 12	1 3/16-12	18,77-1,78
SW HJOF 16	1 7/16-12	23,52-1,78
SW HJOF 20	1 11/16-12	29,8-1,78
SW HJOF 24	2-12	37,82-1,78

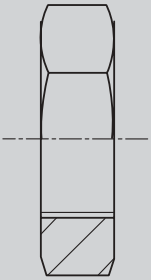
KM JF

Counter nut

with UNF thread for ORFS-connection

Article category 3806





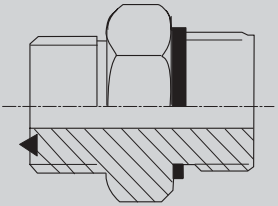
Designation	*UNF Thread*
KM 04 JF	9/16-18
KM 06 JF	11/16-16
KM 08 JF	13/16-16
KM 10 JF	1-14
KM 12 JF	1 3/16-12
KM 16 JF	1 7/16-12
KM 20 JF	1 11/16-12
KM 24 JF	2-12

GE O HJOF

Straight coupling

UNF thread for stud ends, male
ORFS thread connection, O-ring

Article category 3807



Designation	*Thread for stud ends*	*Connection thread AD*
GE O 04 HJOF	7/16-20	9/16-18
GE O 06 HJOF	9/16-18	11/16-16
GE O 10 HJOF	7/8-14	1-14
GE O 12 HJOF	1 1/16-12	1 3/16-12
GE O 20 HJOF	1 5/8-12	1 11/16-12
GE O 20 HJOF 24	1 5/8-12	2-12
GE O 24 HJOF 20	1 7/8-12	1 11/16-12
GE O 04 HJOF 06	7/16-20	11/16-16
GE O 06 HJOF 04	9/16-18	9/16-18
GE O 06 HJOF 08	9/16-18	13/16-16
GE O 08 HJOF 04	3/4-16	9/16-18
GE O 08 HJOF	3/4-16	13/16-16
GE O 08 HJOF 06	3/4-16	11/16-16
GE O 08 HJOF 10	3/4-16	1 -14
GE O 08 HJOF 12	3/4-16	1 3/16-12
GE O 10 HJOF 06	7/8-14	11/16-16
GE O 10 HJOF 08	7/8-14	13/16-16
GE O 10 HJOF 12	7/8-14	1 3/16-12
GE O 12 HJOF 08	1 1/16-12	1 3/16-16
GE O 12 HJOF 10	1 1/16-12	1 14
GE O 12 HJOF 16	1 1/16-12	1 7/16-12

-->

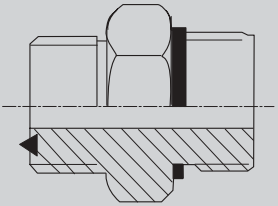
HANSA FLEX
Hydraulikschläuche

GE O HJOF

Straight coupling

UNF thread for stud ends, male
ORFS thread connection, O-ring

Article category 3807



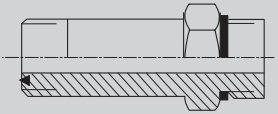
Designation	*Thread for stud ends*	*Connection thread AD*
<--		
GE O 16 HJOF	1 5/16-12	1 7/16-12
GE O 16 HJOF 12	1 5/16-12	1 3/16-12
GE O 16 HJOF 20	1 5/16-12	1 11/16-12
GE O 20 HJOF 16	1 5/8-12	1 7/16-12
GE O 24 HJOF	1 7/8-12	2-12

GE OL HJOF

Straight coupling

UNF thread for stud ends, long thread type, O-ring, male UNF thread, flat sealing (ORFS connection)

Article category 3808



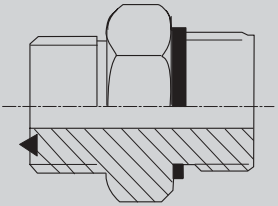
Designation	*Thread for stud ends F1*	*Connection thread F*
GE OL 04 HJOF	7/16-20	9/16-18
GE OL 06 HJOF	9/16-18	11/16-16
GE OL 08 HJOF	3/4-16	13/16-16
GE OL 10 HJOF	7/8-14	1-14
GE OL 12 HJOF	1 1/16-12	1 3/16-12
GE OL 16 HJOF	1 5/16-12	1 7/16-12
GE OL 20 HJOF	1 5/8-12	1 11/16-12
GE OL 24 HJOF	1 7/8-12	2-12

GE HMO HJOF

Straight coupling

male metric thread, O-ring, male ORFS thread connection

Article category 3809



Designation	*Thread for stud ends F1*	*Connection thread F*
GE HMO 12 HJOF 04	12x1,5	9/16-18
GE HMO 16 HJOF 06	16x1,5	11/16-16
GE HMO 18 HJOF 08	18x1,5	13/16-16
GE HMO 22 HJOF 10	22x1,5	1-14
GE HMO 27 HJOF 12	27x2	1 3/16-16
GE HMO 33 HJOF 16	33x2	1 7/16-12
GE HMO 42 HJOF 20	42x2	1 11/16-12
GE HMO 48 HJOF 24	48x2	2-12

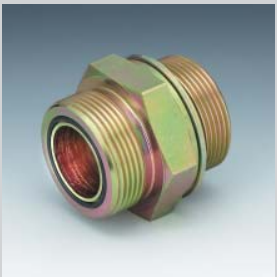
GE HMO K HJOF

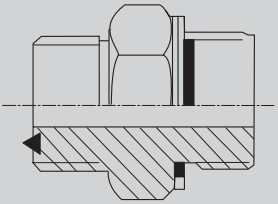
Straight coupling

male metric thread, circular box sealing

male ORFS connection thread, O-ring

Article category 3809





Designation	*Thread for stud ends F1*	*Connection thread F*
GE HMO K 12 HJOF 04	12x1,5	9/16-18
GE HMO K 16 HJOF 06	16x1,5	11/16-16
GE HMO K 18 HJOF 08	18x1,5	13/16-16
GE HMO K 22 HJOF 10	22x1,5	1-14
GE HMO K 27 HJOF 12	27x2	1 3/16-12
GE HMO K 33 HJOF 16	33x2	1 7/16-12
GE HMO K 42 HJOF 20	42x2	1 11/16-12
GE HMO K 48 HJOF 24	48x2	2-12

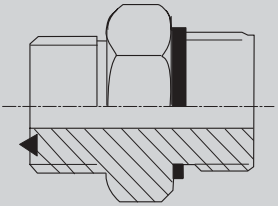
GE HRO HJOF

Straight coupling

male BSP thread, O-ring seal

male ORFS connection thread, O-ring sealing

Article category 3810



Designation	*Thread for stud ends*	*Connection thread*	*O-Ring*
GE HRO 02 HJOF 04	1/8	9/16-18	7,66-1,78
GE HRO 02 HJOF 06	1/8	11/16-16	9,25-1,78
GE HRO 04 HJOF	1/4	9/16-18	7,66-1,78
GE HRO 04 HJOF 06	1/4	11/16-16	9,25-1,78
GE HRO 04 HJOF 08	1/4	13/16-16	12,42-1,78
GE HRO 06 HJOF	3/8	11/16-16	9,25-1,78
GE HRO 06 HJOF 04	3/8	9/16-18	7,66-1,78
GE HRO 06 HJOF 08	3/8	13/16-16	12,42-1,78
GE HRO 06 HJOF 10	3/8	1-14	15,6-1,78
GE HRO 08 HJOF	1/2	13/16-16	12,42-1,78
GE HRO 08 HJOF 04	1/2	9/16-18	7,66-1,78
GE HRO 08 HJOF 06	1/2	11/16-16	9,25-1,78
GE HRO 08 HJOF 10	1/2	1-14	15,6-1,78
GE HRO 08 HJOF 12	1/2	1 3/16-12	18,77-1,78
GE HRO 12 HJOF	3/4	1 3/16-12	18,77-1,78
GE HRO 12 HJOF 06	3/4	11/16-16	9,25-1,78
GE HRO 12 HJOF 08	3/4	13/16-16	12,42-1,78
GE HRO 12 HJOF 10	3/4	1-14	15,6-1,78
GE HRO 12 HJOF 16	3/4	1 7/16-12	23,52-1,78
GE HRO 16 HJOF	1	1 7/16-12	23,52-1,78
GE HRO 16 HJOF 12	1	1 3/16-12	18,77-1,78
GE HRO 16 HJOF 20	1	1 11/16-12	29,8-1,78

-->

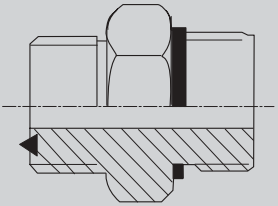
GE HRO HJOF

Straight coupling

male BSP thread, O-ring seal

male ORFS connection thread, O-ring sealing

Article category 3810



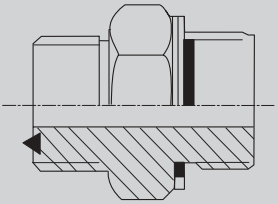
Designation	*Thread for stud ends*	*Connection thread*	*O-Ring*
<--			
GE HRO 20 HJOF	1 1/4	1 11/16-12	29,8-1,78
GE HRO 20 HJOF 12	1 1/4	1 3/16-12	18,77-1,78
GE HRO 20 HJOF 16	1 1/4	1 7/16-12	23,52-1,78
GE HRO 24 HJOF	1 1/2	2-12	37,82-1,78
GE HRO 24 HJOF 16	1 1/2	1 7/16-12	23,52-1,78
GE HRO 24 HJOF 20	1 1/2	1 11/16-12	29,8-1,78

GE HRO K HJOF

Straight coupling

male BSP thread, circular box sealing, male UNF thread, flat sealing (ORFS connection), O-ring

Article category 3810



Designation	*Thread for stud ends*	*Connection thread*	*O-Ring*
GE HRO K 02 HJOF 04	1/8	9/16-18	7,66-1,78
GE HRO K 02 HJOF 06	1/8	11/16-16	9,25-1,78
GE HRO K 04 HJOF	1/4	9/16-18	7,66-1,78
GE HRO K 04 HJOF 06	1/4	11/16-16	9,25-1,78
GE HRO K 04 HJOF 08	1/4	13/16-16	12,42-1,78
GE HRO K 06 HJOF	3/8	11/16-16	9,25-1,78
GE HRO K 06 HJOF 04	3/8	9/16-18	7,66-1,78
GE HRO K 06 HJOF 08	3/8	13/16-16	12,42-1,78
GE HRO K 06 HJOF 10	3/8	1-14	15,6-1,78
GE HRO K 08 HJOF 04	1/2	9/16-18	7,66-1,78
GE HRO K 08 HJOF 06	1/2	11/16-16	9,25-1,78
GE HRO K 08 HJOF	1/2	13/16-16	12,42-1,78
GE HRO K 08 HJOF 10	1/2	1-14	15,6-1,78
GE HRO K 08 HJOF 12	1/2	1 3/16-12	18,77-1,78
GE HRO K 12 HJOF 06	3/4	11/16-16	9,25-1,78
GE HRO K 12 HJOF 08	3/4	13/16-16	12,42-1,78
GE HRO K 12 HJOF 10	3/4	1-14	15,6-1,78
GE HRO K 12 HJOF	3/4	1 3/16-12	18,77-1,78
GE HRO K 12 HJOF 16	3/4	1 7/16-12	23,57-1,78
GE HRO K 16 HJOF 10	1	1-14	15,6-1,78
GE HRO K 16 HJOF 12	1	1 3/16-12	18,77-1,78
GE HRO K 16 HJOF	1	1 7/16-12	23,53-1,78
GE HRO K 16 HJOF 20	1	1 11/16-12	29,8-1,78

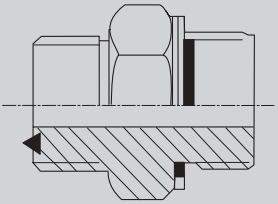
-->

GE HRO K HJOF

Straight coupling

male BSP thread, circular box sealing, male UNF thread, flat sealing (ORFS connection), O-ring

Article category 3810



Designation	*Thread for stud ends*	*Connection thread*	*O-Ring*
<--			
GE HRO K 20 HJOF	1 1/4	1 11/16-12	29,8-1,78
GE HRO K 20 HJOF 16	1 1/4	1 7/16-12	23,52-1,78
GE HRO K 24 HJOF	1 1/2	2-12	37,52-1,78
GE HRO K 24 HJOF 16	1 1/2	1 7/16-12	23,52-1,78
GE HRO K 24 HJOF 20	1 1/2	1 11/16-12	29,80-1,78

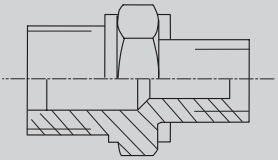
GE M HJOF

Straight coupling

male metric thread, sealing necessary

male UNF thread, flat sealing (ORFS connection), O-ring

Article category 3811



Designation	*Thread for stud ends*	*ORFS Thread*	*OR-ORFS*
GE M 12 HJOF 04	12x1,5	9/16-18	7,66-1,78
GE M 16 HJOF 06	16x1,5	11/16-16	9,25-1,78
GE M 18 HJOF 08	18x1,5	13/16	12,42-1,78
GE M 22 HJOF 10	22x1,5	1-14	15,6-1,78
GE M 27 HJOF 12	27x2	1 3/16	18,77-1,78

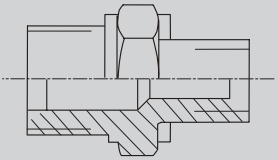
GE HN HJOF

Straight coupling

male NPT thread, metallic sealing

male UNF thread, flat sealing (ORFS connection), O-ring

Article category 3812



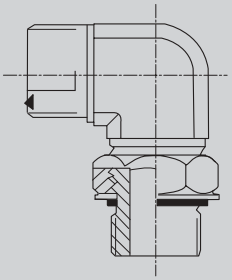
Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
GE HN 02 HJOF 04	1/8-27	9/16-18	7,66-1,78
GE HN 04 HJOF	1/4-18	9/16-18	7,66-1,78
GE HN 04 HJOF 06	1/4-18	11/16-18	9,25-1,78
GE HN 06 HJOF	3/8-18	11/16-16	9,25-1,78
GE HN 06 HJOF 08	3/8-18	13/16-16	12,42-1,78
GE HN 08 HJOF	1/2-14	13/16-16	12,42-1,78
GE HN 08 HJOF 06	1/2-14	11/16-16	9,25-1,78
GE HN 08 HJOF 10	1/2-14	1-14	15,6-1,78
GE HN 08 HJOF 12	1/2-14	1 3/16-12	18,77-1,78
GE HN 12 HJOF	3/4-14	1 3/16-12	18,77-1,78
GE HN 12 HJOF 08	3/4-14	1 3/16-16	12,42-1,78
GE HN 12 HJOF 16	3/4-14	1 7/16-12	23,52-1,78
GE HN 16 HJOF	1-11	1 7/16-12	23,52-1,78
GE HN 16 HJOF 12	1-11	1 3/16-12	18,77-1,78
GE HN 20 HJOF	1 1/4-11 1/2	1 11/16-12	29,8-1,78
GE HN 24 HJOF	1 1/2-11 1/2	2-12	37,82-1,78

W 90 O HJOF

Male stud elbow 90°

O-ring and circular box seal, ORFS connection thread

Article category 3813



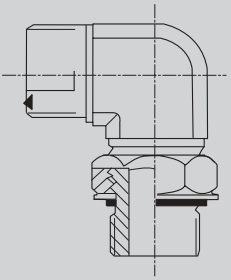
Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
W 90 O 04 HJOF	7/16-20	9/16-18	7,66-1,78
W 90 O 04 HJOF 06	7/16-20	11/16-16	9,15-1,78
W 90 O 06 HJOF 04	9/16-18	9/16-18	7,66-1,78
W 90 O 06 HJOF	9/16-18	11/16-16	9,25-1,78
W 90 O 06 HJOF 08	9/16-18	13/16-16	12,42-1,78
W 90 O 08 HJOF 06	3/4-16	11/16-16	9,25-1,78
W 90 O 08 HJOF	3/4-16	13/16-16	12,42-1,78
W 90 O 08 HJOF 10	3/4-16	1-14	15,6-1,78
W 90 O 08 HJOF 12	3/4-16	1 3/16-12	18,77-1,78
W 90 O 10 HJOF 06	7/8-14	11/16-16	9,25-1,78
W 90 O 10 HJOF 08	7/8-14	13/16-16	12,42-1,78
W 90 O 10 HJOF	7/8-14	1-14	15,6-1,78
W 90 O 10 HJOF 12	7/8-14	1 3/16-12	18,77-1,78
W 90 O 12 HJOF 10	1 1/16-12	1-14	15,6-1,78
W 90 O 12 HJOF	1 1/16-12	1 3/16-12	18,77-1,78
W 90 O 12 HJOF 08	1 1/16-20	1 3/16-16	12,42-1,78
W 90 O 12 HJOF 16	1 1/16-12	1 7/16-12	23,52-1,78
W 90 O 16 HJOF 12	1 5/16-12	1 3/16-12	18,77-1,78
W 90 O 16 HJOF	1 5/16-12	1 7/16-12	23,52-1,78
W 90 O 16 HJOF 20	1 5/16-12	1 11/16-12	29,8-1,78
W 90 O 20 HJOF 16	1 5/8-12	1 7/16-12	23,52-1,78
W 90 O 20 HJOF	1 5/8-12	1 11/16-12	29,8-1,78
W 90 O 24 HJOF 20	1 7/8-12	1 11/16-12	29,8-1,78
W 90 O 24 HJOF	1 7/8-12	2-12	37,82-1,78

W 90 HROK HJOF

Connector 90°

BSP thread, circular box, male
UNF thread, flat sealing, (ORFS connection), O-ring sealing

Article category 3814



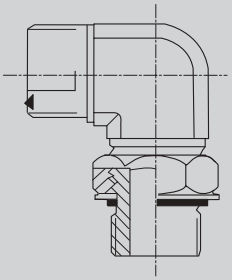
Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
W 90 HROK 02 HJOF 04	1/8	9/16-18	7,66-1,78
W 90 HROK 04 HJOF	1/4	9/16-18	7,66-1,78
W 90 HROK 04 HJOF 06	1/4	11/16-16	9,25-1,78
W 90 HROK 04 HJOF 08	1/4	13/16-16	12,42-1,78
W 90 HROK 06 HJOF	3/8	11/16-16	9,25-1,78
W 90 HROK 06 HJOF 04	3/8	9/16-18	7,66-1,78
W 90 HROK 06 HJOF 08	3/8	13/16-16	12,42-1,78
W 90 HROK 06 HJOF 10	3/8	1-14	15,6-1,78
W 90 HROK 08 HJOF	1/2	13/16-16	12,42-1,78
W 90 HROK 08 HJOF 06	1/2	11/16-16	9,25-1,78
W 90 HROK 08 HJOF 12	1/2	13/16-12	18,77-1,78
W 90 HROK 08 HJOF 10	1/2	1-14	15,6-178
W 90 HROK 12 HJOF 08	3/4	13/16-16	12,42-1,78
W 90 HROK 12 HJOF	3/4	1 3/16-12	18,77-1,78
W 90 HROK 12 HJOF 10	3/4	1-14	15,6-1,78
W 90 HROK 12 HJOF 16	3/4	1 7/16-12	23,52-1,78
W 90 HROK 16 HJOF	1	1 7/16-12	23,52-1,78
W 90 HROK 16 HJOF 12	1	1 3/16-12	18,77-1,78
W 90 HROK 16 HJOF 20	1	1 11/16-12	29,8-1,78
W 90 HROK 20 HJOF	1 1/4	1 11/16-12	29,8-1,78
W 90 HROK 20 HJOF 16	1 1/4	1 7/16-12	23,52-1,78
W 90 HROK 24 HJOF	1 1/2	2-12	37,82-1,78
W 90 HROK 24 HJOF 20	1 1/2	1 11/16-12	29,8-1,78

W 90 HMO K HJOF

Adjustable 90° adapter

with metric thread, circular box seal, O-ring, ORS sealing surface

Article category 3815



Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
W 90 HMO K 12 HJOF 04	12x1,5	9/16-18	7,66-1,78
W 90 HMO K 16 HJOF 06	16x1,5	11/16-16	9,25-1,78
W 90 HMO K 18 HJOF 08	18x1,5	13/16-16	12,42-1,78
W 90 HMO K 22 HJOF 10	22x1,5	1"-14	15,6-1,78
W 90 HMO K 27 HJOF 12	27x2	1 3/16-12	18,77-1,78
W 90 HMO K 33 HJOF 16	33x2	1 7/16-12	23,52-1,78
W 90 HMO K 42 HJOF 20	42x2	1 11/16-12	29,8-1,78
W 90 HMO K 48 HJOF 24	48x2	2-12	37,82-1,78

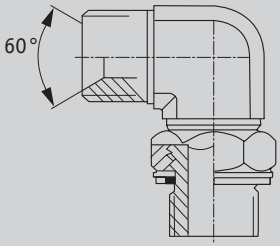
W 90 M HJOF

Connector 90°

male metric thread with 60° cone seat, metallic sealing

male UNF thread, flat sealing (ORFS connection), O-ring

Article category 3816



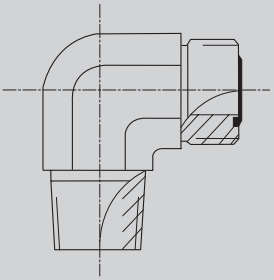
Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
W 90 M 12 HJOF 04	M 12x1,5	9/16-18	7,66-1,78
W 90 M 16 HJOF 06	M 16x1,5	11/16-16	9,25-1,78
W 90 M 18 HJOF 08	M 18x1,5	13/16-16	12,42-1,78
W 90 M 22 HJOF 10	M 22x1,5	1-14	15,6-1,78
W 90 M 27 HJOF 12	M 27x2	1 3/16	18,77-1,78

W 90 HN HJOF

Connector 90°

male NPT thread, metallic sealing,
male UNF thread, flat sealing,
(ORFS connection), O-ring

Article category 3817

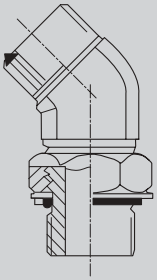


Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
W 90 HN 02 HJOF 04	1/8	9/16-18	7,66-1,78
W 90 HN 04 HJOF	1/4	9/16-18	7,66-1,78
W 90 HN 04 HJOF 06	1/4	11/16-16	9,25-1,78
W 90 HN 06 HJOF	3/8	11/16-18	9,25-1,78
W 90 HN 06 HJOF 08	3/8	13/16-16	12,42-1,78
W 90 HN 08 HJOF	1/2	13/16-16	12,42-1,78
W 90 HN 08 HJOF 06	1/2	11/16-16	9,25-1,78
W 90 HN 08 HJOF 10	1/2	1-14	15,6-1,78
W 90 HN 08 HJOF 12	1/2	1 3/16-12	18,77-1,78
W 90 HN 12 HJOF	3/4	1 3/16-12	18,77-1,78
W 90 HN 12 HJOF 08	3/4	1 3/16-16	12,42-1,78
W 90 HN 12 HJOF 10	3/4	1-14	15,6-1,78
W 90 HN 12 HJOF 16	3/4	1 7/16-12	23,52-1,78
W 90 HN 16 HJOF	1	1 7/16-12	23,52-1,78
W 90 HN 16 HJOF 12	1	1 3/16-12	18,77-1,78
W 90 HN 20 HJOF	1 1/4	1 11/16-12	29,8-1,78
W 90 HN 24 HJOF	1 1/2	2-12	37,82-1,78

W 45 O HJOF

Male stud coupling 45°

UNF thread for stud ends, O-ring
ORFS thread connection, O-ring
Article category 3818

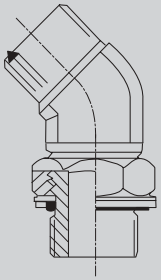


Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
W 45 O 04 HJOF	7/16-20	9/16-18	7,66-1,78
W 45 O 04 HJOF 06	7/16-20	11/16-16	9,25-1,78
W 45 O 06 HJOF 04	9/16-18	9/16-18	7,66-1,78
W 45 O 06 HJOF	9/16-18	11/16-16	9,25-1,78
W 45 O 06 HJOF 08	9/16-18	13/16-16	12,42-1,78
W 45 O 08 HJOF 06	3/4-16	11/16-16	9,25-1,78
W 45 O 08 HJOF	3/4-16	13/16-16	12,42-1,78
W 45 O 08 HJOF 10	3/4-16	1-14	15,6-1,78
W 45 O 10 HJOF	7/8-14	1-14	15,6-1,78
W 45 O 10 HJOF 12	7/8-14	1 3/16-12	18,77-1,78
W 45 O 12 HJOF 10	1 1/16-12	1-14	15,6-1,78
W 45 O 12 HJOF	1 1/16-12	1 3/16-12	18,77-1,78
W 45 O 12 HJOF 16	1 1/16-12	1 7/16-12	23,52-1,78
W 45 O 16 HJOF	1 5/16-12	1 7/16-12	23,52-1,78
W 45 O 16 HJOF 12	1 5/16-12	1 3/16-12	18,77-1,78
W 45 O 20 HJOF	1 5/8-12	1 11/16-12	29,8-1,78
W 45 O 20 HJOF 16	1 5/8-12	1 7/16-12	23,52-1,78
W 45 O 24 HJOF	1 7/8-12	2-12	37,82-1,78

W 45 HROK HJOF

Male stud coupling 45°

UNF thread for stud ends, O-ring
ORFS thread connection, O-ring
Article category 3819



Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
W 45 HROK 02 HJOF 04	1/8	9/16-18	7,66-1,78
W 45 HROK 04 HJOF	1/4	9/16-18	7,66-1,78
W 45 HROK 04 HJOF 06	1/4	11/16-16	9,25-1,78
W 45 HROK 06 HJOF	3/8	11/16-16	9,25-1,78
W 45 HROK 06 HJOF 08	3/8	13/16-16	12,42-1,78
W 45 HROK 08 HJOF 06	1/2	11/16-16	9,25-1,78
W 45 HROK 08 HJOF 10	1/2	1-14	15,6-1,78
W 45 HROK 12 HJOF	3/4	1 3/16-12	18,77-1,78
W 45 HROK 12 HJOF 10	3/4	1-14	15,6-1,78
W 45 HROK 16 HJOF	1	1 7/16-12	23,52-1,78
W 45 HROK 16 HJOF 12	1	1 3/16-12	18,77-1,78
W 45 HROK 20 HJOF	1 1/4	1 11/16-12	29,8-1,78
W 45 HROK 24 HJOF	1 1/2	2-12	37,82-1,78

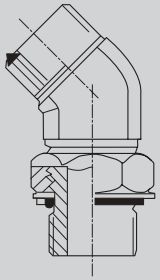
W 45 HMO HJOF

Male stud coupling 45°

adjustable 45° adapter with metric thread for stud ends, O-ring

male ORFS thread conncetion, O-ring

Article category 3820



Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
W 45 HMO 12 HJOF 04	12x1,5	9/16-18	7,66-1,78
W 45 HMO 16 HJOF 06	16x1,5	11/16-16	9,25-1,78
W 45 HMO 18 HJOF 08	18x1,5	13/16-16	12,42-1,78
W 45 HMO 22 HJOF 10	22x1,5	1-14	15,6-1,78
W 45 HMO 27 HJOF 12	27x2	1 3/16-12	18,77-1,78
W 45 HMO 33 HJOF 16	33x2	1 7/16-12	23,52-1,78
W 45 HMO 42 HJOF 20	42x2	1 11/16-12	29,8-1,78
W 45 HMO 48 HJOF 24	48x2	2-12	37,82-1,78

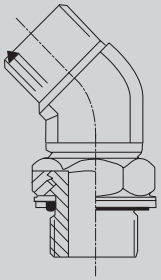
W 45 HMO K HJOF

Male stud coupling 45°

adjustable 45° adapter with metric thread for stud ends, circular box seal

male ORFS thread conncetion, O-ring

Article category 3820



Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
W 45 HMO K 12 HJOF 04	12x1,5	9/16-18	7,66-1,78
W 45 HMO K 16 HJOF 06	16x1,5	11/16-16	9,25-1,78
W 45 HMO K 18 HJOF 08	18x1,5	13/16-16	12,42-1,78
W 45 HMO K 22 HJOF 10	22x1,5	1-14	15,6-1,78
W 45 HMO K 27 HJOF 12	27x2	1 3/16-12	18,77-1,78
W 45 HMO K 33 HJOF 16	33x2	1 7/16-12	23,52-1,78
W 45 HMO K 42 HJOF 20	42x2	1 11/16-12	29,8-1,78
W 45 HMO K 48 HJOF 24	48x2	2-12	37,82-1,78

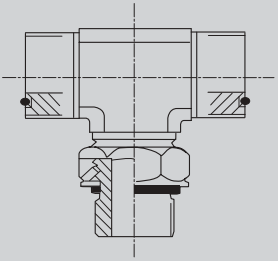
T O HJOF

Adjustable stud branch tees

UNF thread for stud ends, O-ring

ORFS thread for stud ends, O-ring

Article category 3822



Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
T O 04 HJOF	7/16-20	9/16-18	7,66-1,78
T O 06 HJOF	9/16-18	11/16-16	9,25-1,78
T O 08 HJOF	3/4-16	13/16-16	12,42-1,78
T O 10 HJOF	7/8-14	1-14	15,6-1,78
T O 12 HJOF	1 1/16-12	1 3/16-12	18,77-1,78
T O 16 HJOF	1 5/16-12	1 7/16-12	23,52-1,78
T O 20 HJOF	1 5/8-12	1 11/16-12	29,8-1,78
T O 24 HJOF	1 7/8-12	2-12	37,82-1,78

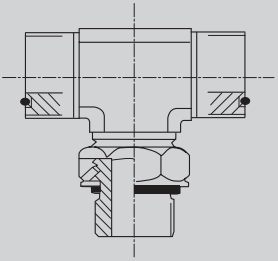
T HRO HJOF

Adjustable stud branch tees

UNF thread for stud ends, O-ring

ORFS thread connection for stud ends, O-ring

Article category 3823



Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
T HRO 04 HJOF	1/4	9/16-18	7,66-1,78
T HRO 06 HJOF	3/8	11/16-16	9,25-1,78
T HRO 08 HJOF	1/2	13/16-16	12,42-1,78
T HRO 12 HJOF 10	3/4	1-14	15,6-1,78

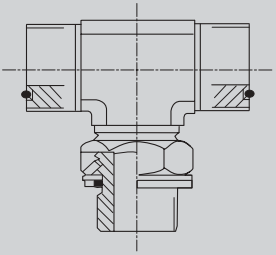
T HRO K HJOF

Adjustable stud branch tees

UNF thread for stud ends, circular box seal

ORFS thread connection for stud ends, O-ring

Article category 3823



Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
T HROK 02 HJOF 04	1/8	9/16-18	7,66-1,78
T HROK 04 HJOF 06	1/4	11/16-16	9,25-1,78
T HROK 06 HJOF 08	3/8	13/16-16	12,42-1,78
T HROK 08 HJOF 10	1/2	1-14	15,6-1,78
T HROK 12 HJOF	3/4	1 3/16-12	18,77-1,78
T HROK 16 HJOF	1	1 7/16-12	23,52-1,78
T HROK 20 HJOF	1 1/4	1 11/16-12	29,8-1,78
T HROK 24 HJOF	1 1/2	2-12	37,82-1,78

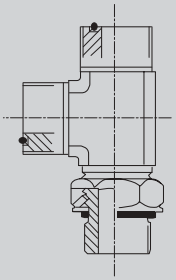
L O HJOF

Adjustable equal tees

with single-sided port, male UNF thread, sealing O-ring

male UNF thread, flat sealing (ORFS connection), O-ring

Article category 3826

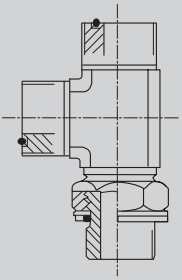


Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
L O 04 HJOF	7/16-20	9/16-18	7,66-1,78
L O 06 HJOF	9/16-18	11/16-16	9,25-1,78
L O 08 HJOF	3/4-16	12/16-16	12,42-1,78
L O 10 HJOF	7/8-14	1"-14	15,6-1,78
L O 12 HJOF	1 1/16-12	1 3/16-12	18,77-1,78
L O 16 HJOF	1 5/16-12	1 7/16-12	23,52-1,78
L O 20 HJOF	1 5/8-12	1 11/16-12	29,8-1,78
L O 24 HJOF	1 7/8-12	2-12	37,82-1,78

L HMO K HJOF

Male stud barrel tees

UNF thread for stud ends, O-ring
ORFS connection thread, O-ring
Article category 3828



Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
L HMO K 12 HJOF 04	12x1,5	9/16-18	7,66-1,78
L HMO K 16 HJOF 06	16x1,5	11/16-16	9,25-1,78
L HMO K 18 HJOF 08	18x1,5	13/16-16	12,42-1,78
L HMO K 22 HJOF 10	22x1,5	1-14	15,6-1,78
L HMO K 27 HJOF 12	27x2	1 3/16-12	18,77-1,78
L HMO K 33 HJOF 16	33x2	1 7/16-12	23,52-1,78
L HMO K 42 HJOF 20	42x2	1 11/16-12	29,8-1,78
L HMO K 48 HJOF 24	48x2	2-12	37,82-1,78

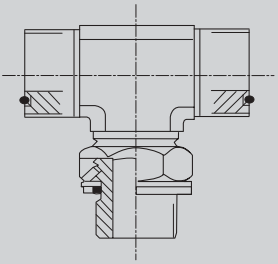
T HMO K HJOF

Male stud branch tees

Metric thread for stud ends, O-ring

ORFS connection thread, O-ring

Article category 3828



Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
T HMO K 12 HJOF 04	12x1,5	9/16-18	7,66-1,78
T HMO K 16 HJOF 06	16x1,5	11/16-16	9,25-1,78
T HMO K 18 HJOF 08	18x1,5	13/16-16	12,42-1,78
T HMO K 22 HJOF 10	22x1,5	1-14	15,6-1,78
T HMO K 27 HJOF 12	27x2	1 3/16-12	18,77-1,78
T HMO K 33 HJOF 16	33x2	1 7/16-12	23,52-1,78
T HMO K 42 HJOF 20	42x2	1 11/16-12	29,8-1,78
T HMO K 48 HJOF 24	48x2	2-12	37,82-1,78

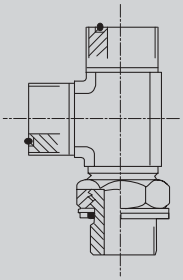
L HROK HJOF

Male stud barrel tees

BSP thread for stud ends, circular box seal

ORFS conncetion thread, O-ring

Article category 3829



Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
L HROK 02 HJOF 04	1/8	9/16-18	7,66-1,78
L HROK 04 HJOF 06	1/4	11/16-16	9,25-1,78
L HROK 06 HJOF	3/8	11/16-16	9,25-1,78
L HROK 06 HJOF 08	3/8	13/16-167	12,42-1,78
L HROK 08 HJOF	1/2	13/16-16	12,42-1,78
L HROK 08 HJOF 10	1/2	1-14	15,6-1,78
L HROK 12 HJOF	3/4	1 3/16-12	18,77-1,78
L HROK 16 HJOF	1	1 7/16-12	23,52-1,78
L HROK 20 HJOF	1 1/4	1 11/16-12	29,8-1,78
L HROK 24 HJOF	1 1/2	2-12	37,82-1,78

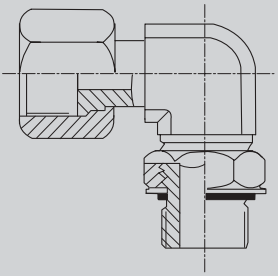
W 90 O AJF

Male stud elbows 90°

UNF thread for stud ends, O-ring

ORFS connection thread

Article category 3830



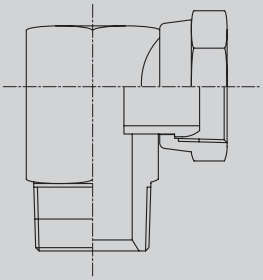
Designation	*Thread for stud ends*	*Connection thread*	*OR-ORFS*
W 90 O 04 AJF	7/16-20	9/16-18	11,07
W 90 O 06 AJF	9/16-18	11/16-16	14,25
W 90 O 08 AJF	3/4-16	13/16-16	19,00
W 90 O 10 AJF	7/8-14	1-14	22,17
W 90 O 12 AJF	1 1/16-12	1 3/16-12	26,95
W 90 O 16 AJF	1 5/16-12	1 7/16-12	33,30
W 90 O 20 AJF	1 5/8-12	1 11/16-12	41,22
W 90 O 24 AJF	1 7/8-12	2-12	47,57

W 90 AJF HJOF

Adjustbale stud elbows 90°

UEM-ORFS thread, ORFS thread connection, male ORFS thread, O-ring

Article category 3831



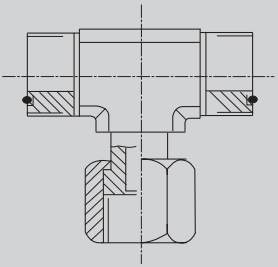
Designation	*Connection thread*	*Connection thread*
W 90 AJF 04 HJOF	9/16-18	7,66-1,78
W 90 AJF 06 HJOF	11/16-16	9,15-1,78
W 90 AJF 08 HJOF	13/16-16	12,42-1,78
W 90 AJF 10 HJOF	1-14	15,6-1,78
W 90 AJF 12 HJOF	1 3/16-12	18,77-1,78
W 90 AJF 16 HJOF	1 7/16-12	23,52-1,78
W 90 AJF 20 HJOF	1 11/16-12	29,8-1,78
W 90 AJF 24 HJOF	2-12	37,82-1,78

T AJF HJOF

Adjustable stud branch tees

UEM-ORFS thread, male ORFS thread, O-ring

Article category 3832



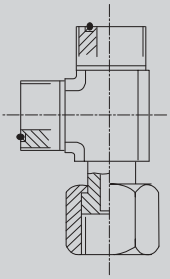
Designation	*Connection thread*	*OR-ORFS*
T AJF 04 HJOF	9/16-18	7,66-1,78
T AJF 06 HJOF	11/16-16	9,25-1,78
T AJF 08 HJOF	13/16-16	12,42-1,78
T AJF 10 HJOF	1-14	15,6-1,78
T AJF 12 HJOF	1 3/16-12	18,77-1,78
T AJF 16 HJOF	1 7/16-12	23,52-1,78
T AJF 20 HJOF	1 11/16-12	29,8-1,78
T AJF 24 HJOF	2-12	37,82-1,78

L AJF HJOF

Adjustable stud barrel tees

UEM-ORFS thread, male ORFS thread, O-ring

Article category 3833



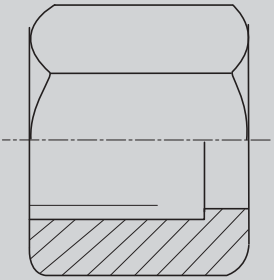
Designation	*Connection thread*	*OR-ORFS*
L AJF 04 HJOF	9/16-18	7,66-1,78
L AJF 06 HJOF	11/16-16	9,25-1,78
L AJF 08 HJOF	13/16-16	12,42-1,78
L AJF 10 HJOF	1-14	15,6-1,78
L AJF 12 HJOF	1 3/16-12	18,77-1,78
L AJF 16 HJOF	1 7/16-12	23,52-1,78
L AJF 20 HJOF	1 11/16-12	29,8-1,78
L AJF 24 HJOF	2-12	37,82-1,78

UEM AJF

Union nut

female UNF thread (ORFS connection)

Article category 3837



Designation	*Union nut*
UEM AJF 04	9/16-18
UEM AJF 06	11/16-16
UEM AJF 08	13/16-16
UEM AJF 10	1-14
UEM AJF 12	1 3/16-12
UEM AJF 16	1 7/16-12
UEM AJF 20	1 11/16-12
UEM AJF 24	2-12

G AJF HJOF

Straight connector

union nut with ORFS thread, male ORFS thread connection, O-ring

Article category 3838

Designation	*Union nut UN*	*Connection thread UN*	*OR-ORFS AG*
G AJF 06 HJOF 04	11/16-16	9/16-18	7,66-1,78
G AJF 08 HJOF 04	13/16-16	9/16-18	7,66-1,78
G AJF 08 HJOF 06	13/16-16	11/16-16	9,25-1,78
G AJF 10 HJOF 04	1-14	9/16-18	7,66-1,78
G AJF 10 HJOF 06	1-14	11/16-16	9,25-1,78
G AJF 10 HJOF 08	1-14	13/16-16	12,42-1,78
G AJF 12 HJOF 04	1 3/16-12	9/16-18	7,66-1,78
G AJF 12 HJOF 06	1 3/16-12	11/16-16	9,25-1,78
G AJF 12 HJOF 08	1 3/16-12	13/16-16	12,42-1,78
G AJF 12 HJOF 10	1 3/16-12	1-14	15,6-1,78
G AJF 16 HJOF 08	1 7/16-12	13/16-16	12,42-1,78
G AJF 16 HJOF 10	1 7/16-12	1-14	15,6-1,78
G AJF 16 HJOF 12	1 7/16-12	1 3/16-12	18,77-1,78
G AJF 20 HJOF 12	1 11/16-12	1 3/16-12	18,77-1,78
G AJF 20 HJOF 16	1 11/16-12	1 7/16-12	23,52-1,78
G AJF 24 HJOF 16	2-12	1 7/16-12	23,52-1,78
G AJF 24 HJOF 20	2-12	1 11/16-12	29,8-1,78

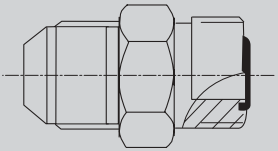
G HJ HJOF

Straight connector

male UNF thread with 74° taper seal, outer cone

male UNF thread, flat sealing (ORFS connection), O-ring seal

Article category 3840



Designation	*UNF Thread JIC*	*ORFS Thread*	*OR-ORFS*
G HJ 04 HJOF	7/16-20	9/16-18	7,66-1,78
G HJ 06 HJOF	9/16-18	11/16-16	9,25-1,78
G HJ 08 HJOF	3/4-16	13/16-16	12,42-1,78
G HJ 10 HJOF	7/8-14	1-14	15,6-1,78
G HJ 12 HJOF	1 1/16-12	1 3/16-12	18,77-1,78
G HJ 16 HJOF	1 5/16-12	1 7/16-12	23,52-1,78
G HJ 20 HJOF	1 5/8-12	1 11/16-12	29,8-1,78
G HJ 24 HJOF	1 7/8-12	2-12	37,82-1,78

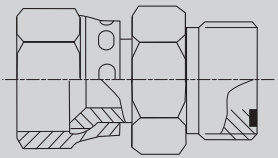
G AJF HJ

Straight connector

female thread, union nut with UNF thread flat sealing (ORFS connection),

male UNF thread with 74° cone, metallic sealing

Article category 3841



Designation	*ORFS Thread*	*UNF Thread*
G AJF 04 HJ	7/16-20	9/16-18
G AJF 06 HJ	9/16-18	11/16-16
G AJF 08 HJ	3/4-16	13/16-16
G AJF 10 HJ	7/8-14	1-14
G AJF 12 HJ	1 1/16-12	1 3/16-12
G AJF 16 HJ	1 5/16-12	1 7/16-12

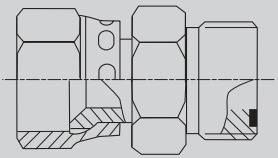
G AJ HJOF

Straight connector

female thread, union nut with UNF thread, 74° cone,

male UNF thread, flat sealing (ORFS-connection), O-ring sealing

Article category 3842



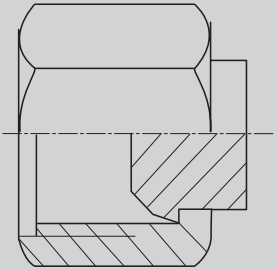
Designation	*Thread JIC SAE*	*Thread ORFS*	*OR-ORFS*
G AJ 04 HJOF	7/16-20	9/16-18	7,66-1,78
G AJ 06 HJOF	9/16-18	11/16-16	9,25-1,78
G AJ 08 HJOF	3/4-16	13/16-16	12,42-1,78
G AJ 10 HJOF	7/8-14	1-14	15,6-1,78
G AJ 12 HJOF	1 1/16-12	1 3/16-12	18,77-1,78
G AJ 16 HJOF	1 5/16-12	1 7/16-12	23,52-1,78

VERSCHLUSS AJF

End plug

ORS cap, female thread, union nut with UNF thread, flat sealing, ORFS conncetion

Article category 3843



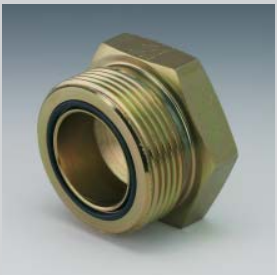
Designation	*Union nut thread*
VERSCHLUSS AJF 04	9/16-18
VERSCHLUSS AJF 06	11/16-16
VERSCHLUSS AJF 08	13/16-16
VERSCHLUSS AJF 10	1-14
VERSCHLUSS AJF 12	1 3/8-12
VERSCHLUSS AJF 16	1 7/16-12
VERSCHLUSS AJF 20	1 11/16-12
VERSCHLUSS AJF 24	2-12

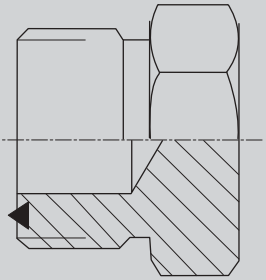
VERSCHLUSS HJOF

End plug

male UNF thread, flat sealing, (ORFS-connection), O-ring seal

Article category 3844





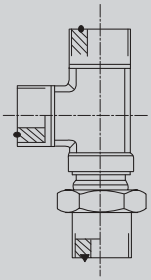
Designation	*Thread*	*OR-ORFS*
VERSCHLUSS HJOF 04	9/16-18	7,66-1,78
VERSCHLUSS HJOF 06	11/16-16	9,25-1,78
VERSCHLUSS HJOF 08	13/16-16	12,42-1,78
VERSCHLUSS HJOF 10	1-14	15,6-1,78
VERSCHLUSS HJOF 12	1 3/16-12	18,77-1,78
VERSCHLUSS HJOF 16	1 7/16-12	23,52-1,78
VERSCHLUSS HJOF 20	1 11/16-12	29,8-1,78
VERSCHLUSS HJOF 24	2-12	37,82-1,78

SL HJOF

Adjustable equal tees

with companion single side conncetion, bulkhead, type HJOF, male UNF thread, flat sealing (ORFS connection), O-ring

Article category 3845



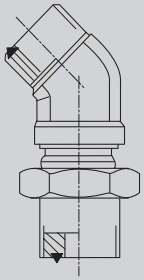
Designation	*Connection thread*	*ORFS*
SL HJOF 04	9/16-18	7,66-1,78
SL HJOF 06	11/16-16	9,25-1,78
SL HJOF 08	13/16-16	12,42-1,78
SL HJOF 10	1-14	15,6-1,78
SL HJOF 12	1 3/16-12	18,77-1,78
SL HJOF 16	1 7/16-12	23,52-1,78
SL HJOF 20	1 11/16-12	29,8-1,78
SL HJOF 24	2-12	37,82-1,78

SW 45 HJOF

Bulkhead coupling 45°

male UNF thread, flat sealing (ORFS connection), O-ring seal

Article category 3845



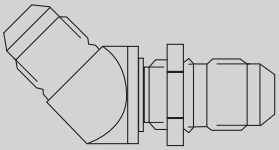
Designation	*Connection thread*	*ORFS*
SW 45 HJOF 04	9/16-18	7,66-1,78
SW 45 HJOF 06	11/16-16	9,25-1,78
SW 45 HJOF 08	13/16-16	12,42-1,78
SW 45 HJOF 10	1-14	15,6-1,78
SW 45 HJOF 12	1 3/16-12	18,77-1,78
SW 45 HJOF 16	1 7/16-12	23,52-1,78
SW 45 HJOF 20	1 11/16-12	29,8-1,78
SW 45 HJOF 24	2-12	37,82-1,78

SW 45 HJ

Bulkhead coupling 45°

male UNF thread, flat sealing
(ORFS conncetion), O-ring

Article category 3008



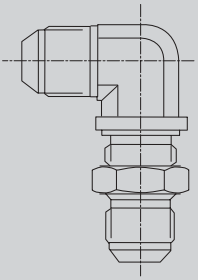
Designation	*Connection thread*
SW 45 HJ 04	7/16-20
SW 45 HJ 05	1/2-20
SW 45 HJ 06	9/16-18
SW 45 HJ 08	3/4-16
SW 45 HJ 10	7/8-14
SW 45 HJ 12	1 1/16-12
SW 45 HJ 14	1 3/16-12
SW 45 HJ 16	1 5/16-12
SW 45 HJ 20	1 5/8-12
SW 45 HJ 24	1 7/8-12

SW 90 HJ

Bulkhead coupling 90°

male UNF thread, flat sealing (ORFS conncetion), O-ring

Article category 3008



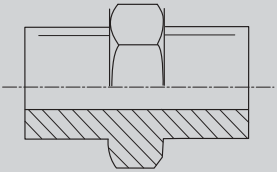
Designation	*Connection thread*
SW 90 HJ 04	7/16-20
SW 90 HJ 05	1/2-20
SW 90 HJ 06	9/16-18
SW 90 HJ 08	3/4-16
SW 90 HJ 10	7/8-14
SW 90 HJ 12	1 1/16-12
SW 90 HJ 14	1 3/16-12
SW 90 HJ 16	1 5/16-12

GHN

Connector

with male NPT thread on both sides

Article category 3032



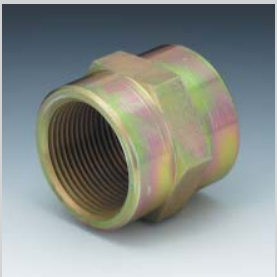
Designation	*Thread for stud ends NPT*
G HN 02	1/8
G HN 04	1/4
G HN 06	3/8
G HN 08	1/2
G HN 12	3/4
G HN 16	1
G HN 20	1 1/4
G HN 24	1 1/2
G HN 32	2

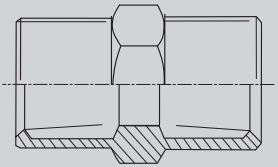
G IN 2

Connector

with female NPT thread on both sides

Article category 3034





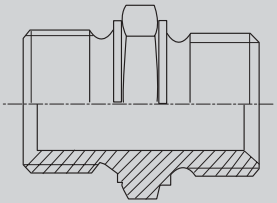
Designation	*Female thread NPT*
G IN 02	1/8
G IN 04	1/4
G IN 06	3/8
G IN 08	1/2
G IN 12	3/4
G IN 16	1
G IN 20	1 1/4
G IN 24	1 1/2

GH

Connector

metric conncetion, 60° cone, fine thread

Article category 3752



Designation	*Thread*
G H 04	M 12x1,5
G H 06	M 14x1,5
G H 08	M 16x1,5
G H 10	M 18x1,5
G H 13	M 22x1,5
G H 16	M 26x1,5
G H 20	M 30x1,5
G H 25	M 38x1,5
G H 32	M 45x1,5
G H 40	M 52x1,5
G H 50	M 65x2,0
G H 60	M 78x2,0

Index

A

Adjustable 90° adapter 175
Adjustable equal tees 130
Adjustable equal tees 135-137
Adjustable equal tees 185
Adjustable equal tees 200
Adjustable stud barrel tees 15
Adjustable stud barrel tees 47-49
Adjustable stud barrel tees 192
Adjustable stud branch tees 16
Adjustable stud branch tees 18-21
Adjustable stud branch tees 23
Adjustable stud branch tees 182-184
Adjustable stud branch tees 191
Adjustable stud branch tees type HN 22
Adjustbale stud elbows 90° 190

B

BSP bulkhead adapters 95
BSP union nut 141
Bulkhead coupling 45° 201-202
Bulkhead coupling 90° 203
Bulkhead elbow 90° 109

B

Connector 97
Connector 204-206
Connector 45° 5
Connector 45° 37
Connector 45° 45
Connector 45° 51-53
Connector 45° 56
Connector 45° 75
Connector 45° 79
Connector 45° 87-88
Connector 45° 90
Connector 45° 105
Connector 45° 112
Connector 45° 114
Connector 45° 115
Connector 45° 118-119
Connector 90° 6-8
Connector 90° 11
Connector 90° 14
Connector 90° 38-39
Connector 90° 40
Connector 90° 46
Connector 90° 54
Connector 90° 57
Connector 90° 58
Connector 90° 60
Connector 90° 63
Connector 90° 65
Connector 90° 76

Index

Connector 90°	78
Connector 90°	80-81
Connector 90°	89
Connector 90°	106-108
Connector 90°	113
Connector 90°	116-117
Connector 90°	120-123
Connector 90°	128-129
Connector 90°	146
Connector 90°	156
Connector 90°	174
Connector 90°	176-177
Counter nut	161

D

DHS M	150
DHS R	149

E

Elbow bulkhead coupling 90°	160
End plug	31-33
End plug	139-140
End plug	198-199
Equal tees	73
Equal tees	138

G

GAJ	41
GAJ AJ	42
GAJ HJ	43-44
Gauge connection	134
GEHN HJ	3-4
GEOL HJ	36
GEO HJ	34-35
GE HB HN	126-127
GE HB HR	98
GE HB M	147
GE HMO AJ	71
GE HMO HJ	83
GE HMO HJOF	165
GE HMO K AJ	72
GE HMO K HB	104
GE HMO K HJ	82
GE HMO K HJOF	166
GE HN AJ	66
GE HN HJOF	172
GE HR	99
GE HRK AJ	67
GE HRK HB	102-103
GE HRK HJ	94
GE HRO AJ	50
GE HRO HJ	86
GE HRO HJOF	167-168
GE HRO K AJ	69

Index

GE HRO K HB	101
GE HRO K HJ	84-85
GE HRO K HJOF	169-170
GE HR HR	100
GE HSS M	145
GE H M	143
GE H R	142
GE M HJOF	171
GE OL HJOF	164
GE O AJ	68
GE O AN	55
GE O HJOF	162-163
GH	206
GHB	91
GHB HB	92-93
GHJ	10
GHJ HJ	9
GHN	204
GHN IN	61-62
GIN HJ	13
G AB	124
G AB AB	125
G AB HB	110-111
G AJF HJ	196
G AJF HJOF	194
G AJ HJOF	197
G AN HN	74
G AN IN	77
G B H	148
G H	144
G HB HJ	131-132
G HJOF	155
G HJOF HJOF	154
G HJ HJOF	195
G HN	59
G HRK	97
G HSA	2
G IN	64
G IN 2	205
G IR HJ	133

H

Hexagonal nut	24
Hexagonal nut	96
Hollow bolt	149-153
HS M	151
HS R	152-153

K

KM BSP	96
KM JF	161
KM UNF	24
K HJ	12
K HJOF	158

Index

L

LAJ HJ 47
LHMO HJ 15
LHMO K HJ 16
LHN HJ 17
LHROK HJ 21
L AB HB 130
L AJF HJOF 192
L HMO K HJOF 186
L HN IN 73
L HROK HJOF 188
L HRO K HB 136
L O HJOF 185

M

Male connector 2
Male run tee 70
Male stud barrel tees 186
Male stud barrel tees 188
Male stud branch tees 187
Male stud coupling 45° 178-181
Male stud elbows 90° 173
Male stud elbows 90° 189
MVR HJ 134

S

SL HJOF 200
Straight bulkhead connector 30
Straight bulkhead coupling 159
Straight connector 9-10
Straight connector 13
Straight connector 41-44
Straight connector 59
Straight connector 61-62
Straight connector 64
Straight connector 71
Straight connector 74
Straight connector 77
Straight connector 91-93
Straight connector 110-111
Straight connector 124-125
Straight connector 131-132
Straight connector 144
Straight connector 148
Straight connector 154-155
Straight connector 194-197
Straight connector 133
Straight coupling 3-4
Straight coupling 34-36
Straight coupling 50
Straight coupling 55
Straight coupling 66-69
Straight coupling 72
Straight coupling 82-86

Index

Straight coupling	94
Straight coupling	98-104
Straight coupling	126-127
Straight coupling	142-143
Straight coupling	145
Straight coupling	147
Straight coupling	162-172
Stud branch tees	17
Stud branch tees	29
STUETZRING AJ	25
STÜTZRING AJM	26
Supporting sleeve for flanges	25-26
SV HB	95
SV HJ	30
SV HJOF	159
SW 45 HJ	202
SW 45 HJOF	201
SW 90 HJ	203
SW HB	109
SW HJOF	160

T

T-adapter	157
TAJ HJ	48
THJ	29
THMO HJ	18
THMO K HJ	19
THN HJ	22
THROK HJ	23
TIN HJ	20
T AB	137
T AJF HJOF	191
T HB	138
T HJOF	157
T HMO K HJOF	187
T HRO HJOF	183
T HRO K HB	135
T HRO K HJOF	184
T IN	70
T O HJ	49
T O HJOF	182

U

UEM AB	141
UEM AJ	27
UEM AJF	193
UEM AJ IR	28
Union cross	12
Union cross	158
Union nut	27-28
Union nut	193

V

VERSCHLUSS AB	139

Index

VERSCHLUSS AJ	31
VERSCHLUSS AJF	198
VERSCHLUSS HB	140
VERSCHLUSS HJ	32
VERSCHLUSS HJOF	199
VERSCHLUSS HN	33

W

WB 45 AOL HL	114
WB 45 AOS HS	118
WB 45 NW AOL	115
WB 45 NW AOS	119
WB 90 AB HB	123
WB 90 AOL HL	116
WB 90 AOS HS	120
WB 90 NW AOL	117
WB 90 NW AOS	121
W 45 AB HB	112
W 45 AJ HJ	45
W 45 AN HN	75
W 45 HMO HJOF	180
W 45 HMO K HB	105
W 45 HMO K HJ	79
W 45 HMO K HJOF	181
W 45 HN HJ	5
W 45 HRK HJ	90
W 45 HROK HB	88
W 45 HROK HJOF	179
W 45 HRO HB	87
W 45 HRO HJ	51
W 45 HRO K HJ	52-53
W 45 O AN	56
W 45 O HJ	37
W 45 O HJOF	178
W 90 AB	122
W 90 AB HB	113
W 90 AJF HJOF	190
W 90 AJ HJ	46
W 90 AN HN	76
W 90 AN IN	78
W 90 A H	146
W 90 HB	129
W 90 HB HN	128
W 90 HJ	11
W 90 HJOF	156
W 90 HMO HJ	81
W 90 HMO K HB	106
W 90 HMO K HJ	80
W 90 HMO K HJOF	175
W 90 HN	60
W 90 HNL HJ	8
W 90 HN HJ	6-7
W 90 HN HJOF	177
W 90 HN IN	63

Index

W 90 HRK HJ	58
W 90 HROK HJ	39-40
W 90 HROK HJOF	174
W 90 HRO HB	89
W 90 HRO HJ	54
W 90 HRO K	108
W 90 HRO K HB	107
W 90 IN	65
W 90 IN HJ	14
W 90 M HJOF	176
W 90 O AJF	189
W 90 O AN	57
W 90 O HJ	38
W 90 O HJOF	173