

2

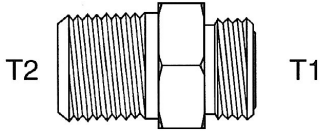
O-ring face seal fittings

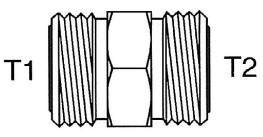
O-Ring Face Seal Fittings

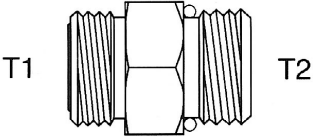
Sec2:2

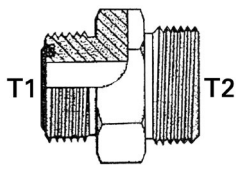
ORFS

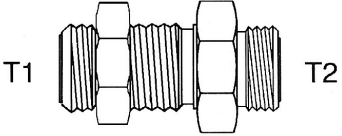
O-Ring Face Seal Fittings

MALE NPT	Part number	ORFS thread (T1)	NPT thread (T2)	Retail price R
	NIP 040R02N	9/16 - 18	1/8 - 27	
	NIP 040R04N	9/16 - 18	1/4 - 18	
	NIP 040R06N	9/16 - 18	3/8 - 18	
	NIP 040R08N	9/16 - 18	1/2 - 14	
	NIP 060R02N	11/16 - 16	1/8 - 27	
	NIP 060R04N	11/16 - 16	1/4 - 18	
	NIP 060R06N	11/16 - 16	3/8 - 18	
	NIP 060R08N	11/16 - 16	1/2 - 14	
	NIP 080R04N	13/16 - 16	1/4 - 18	
	NIP 080R06N	13/16 - 16	3/8 - 18	
	NIP 080R08N	13/16 - 16	1/2 - 14	
	NIP 080R12N	13/16 - 16	3/4 - 14	
	NIP 100R08N	1 - 14	1/2 - 14	
	NIP 100R12N	1 - 14	3/4 - 14	
	NIP 100R16N	1 - 14	1 - 11 1/2	
	NIP 120R08N	1 3/16 - 12	1/2 - 14	
	NIP 120R12N	1 3/16 - 12	3/4 - 14	
	NIP 120R16N	1 3/16 - 12	1 - 11 1/2	
	NIP 160R12N	1 7/16 - 12	3/4 - 14	
	NIP 160R16N	1 7/16 - 12	1 - 11 1/2	
	NIP 160R20N	1 7/16 - 12	1 1/4 - 11 1/2	
	NIP 200R16N	1 11/16 - 12	1 - 11 1/2	
	NIP 200R20N	1 11/16 - 12	1 1/4 - 11 1/2	
	NIP 240R24N	2 - 12	1 1/2 - 11 1/2	

NIPPLE	Part number	ORFS thread (T1)	ORFS thread (T2)	Retail price R
	NIP 040R040R	9/16 - 18	9/16 - 18	
	NIP 060R040R	11/16 - 16	9/16 - 18	
	NIP 060R060R	11/16 - 16	11/16 - 16	
	NIP 080R060R	13/16 - 16	11/16 - 16	
	NIP 080R080R	13/16 - 16	13/16 - 16	
	NIP 100R080R	1 - 14	13/16 - 16	
	NIP 100R100R	1 - 14	1 - 14	
	NIP 120R080R	1 3/16 - 12	13/16 - 16	
	NIP 120R100R	1 3/16 - 12	1 - 14	
	NIP 120R120R	1 3/16 - 12	1 3/16 - 12	
	NIP 160R120R	1 7/16 - 12	1 3/16 - 12	
	NIP 160R160R	1 7/16 - 12	1 7/16 - 12	
	NIP 200R200R	1 11/16 - 12	1 11/16 - 12	
	NIP 240R240R	2 - 12	2 - 12	

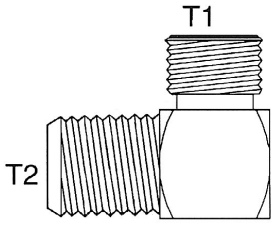
MALE UN	Part number	ORFS thread (T1)	UN thread (T2)	Retail price R
	NIP 040R02UN	9/16 - 18	3/8 - 24	
	NIP 040R04UN	9/16 - 18	7/16 - 20	
	NIP 040R05UN	9/16 - 18	1/2 - 20	
	NIP 040R06UN	9/16 - 18	9/16 - 18	
	NIP 040R08UN	9/16 - 18	3/4 - 16	
	NIP 060R04UN	11/16 - 16	7/16 - 20	
	NIP 060R05UN	11/16 - 16	1/2 - 20	
	NIP 060R06UN	11/16 - 16	9/16 - 18	
	NIP 060R08UN	11/16 - 16	3/4 - 16	
	NIP 060R10UN	11/16 - 16	7/8 - 14	
	NIP 060R12UN	11/16 - 16	1 1/16 - 12	
	NIP 060R16UN	11/16 - 16	1 5/16 - 12	
	NIP 080R06UN	13/16 - 16	9/16 - 18	
	NIP 080R08UN	13/16 - 16	3/4 - 16	
	NIP 080R10UN	13/16 - 16	7/8 - 14	
	NIP 080R12UN	13/16 - 16	1 1/16 - 12	
	NIP 100R08UN	1 - 14	3/4 - 16	
	NIP 100R10UN	1 - 14	7/8 - 14	
	NIP 100R12UN	1 - 14	1 1/16 - 12	
	NIP 120R08UN	1 3/16 - 12	3/4 - 16	
	NIP 120R10UN	1 3/16 - 12	7/8 - 14	
	NIP 120R12UN	1 3/16 - 12	1 1/16 - 12	
	NIP 120R16UN	1 3/16 - 12	1 5/16 - 12	
	NIP 160R10UN	1 7/16 - 12	7/8 - 14	
	NIP 160R12UN	1 7/16 - 12	1 1/16 - 12	
	NIP 160R16UN	1 7/16 - 12	1 5/16 - 12	
	NIP 160R20UN	1 7/16 - 12	1 5/8 - 12	
	NIP 200R16UN	1 11/16 - 12	1 5/16 - 12	
	NIP 200R20UN	1 11/16 - 12	1 5/8 - 12	
	NIP 200R24UN	1 11/16 - 12	1 7/8 - 12	
NIP 240R20UN	2 - 12	1 5/8 - 12		
NIP 240R24UN	2 - 12	1 7/8 - 12		

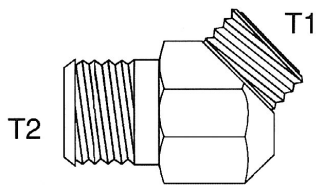
NIPPLE MALE BSP	Part number	ORFS thread (T1)	BSP thread (T2)	Retail price R
	NIP 040R04R	9/16 - 18	1/4 - 19	
	NIP 040R06R	9/16 - 18	3/8 - 19	
	NIP 060R04R	11/16 - 16	1/4 - 19	
	NIP 060R06R	11/16 - 16	3/8 - 19	
	NIP 060R08R	11/16 - 16	1/2 - 14	
	NIP 080R06R	13/16 - 16	3/8 - 19	
	NIP 080R08R	13/16 - 16	1/2 - 14	
	NIP 080R12R	13/16 - 16	3/4 - 14	
	NIP 100R08R	1 - 14	1/2 - 14	
	NIP 120R08R	1 3/16 - 12	1/2 - 14	
	NIP 120R12R	1 3/16 - 12	3/4 - 14	
	NIP 160R12R	1 7/16 - 12	3/4 - 14	
	NIP 160R16R	1 7/16 - 12	1 - 11	
	NIP 160R20R	1 7/16 - 12	1 1/4 - 11	

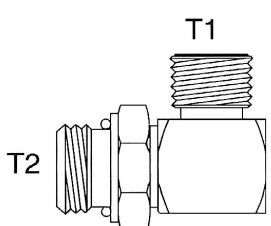
BULKHEAD NIPPLE	Part number	ORFS thread (T1)	ORFS thread (T2)	Retail price R
	NIP 04B0R040R	9/16 - 18	9/16 - 18	
	NIP 06B0R060R	11/16 - 16	11/16 - 16	
	NIP 08B0R080R	13/16 - 16	13/16 - 16	
	NIP 10B0R100R	1 - 14	1 - 14	
	NIP 12B0R120R	1 3/16 - 12	1 3/16 - 12	
	NIP 16B0R160R	1 7/16 - 12	1 7/16 - 12	
	NIP 20B0R200R	1 11/16 - 12	1 11/16 - 12	
	NIP 24B0R240R	2 - 12	2 - 12	

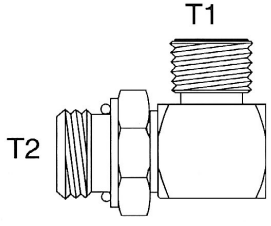
ORFS

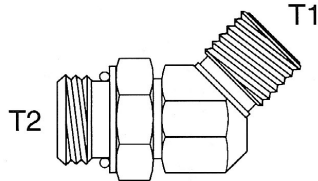
O-Ring Face Seal Fittings

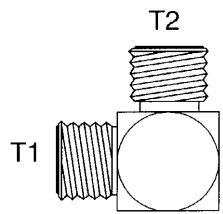
ELBOW NPT	Part number	ORFS thread (T1)	NPT thread (T2)	Retail price R
	ELB 040R02N90	9/16 - 18	1/8 - 27	
	ELB 040R04N90	9/16 - 18	1/4 - 18	
	ELB 060R02N90	11/16 - 16	1/8 - 27	
	ELB 060R04N90	11/16 - 16	1/4 - 18	
	ELB 060R06N90	11/16 - 16	3/8 - 18	
	ELB 060R08N90	11/16 - 16	1/2 - 14	
	ELB 080R04N90	13/16 - 16	1/4 - 18	
	ELB 080R06N90	13/16 - 16	3/8 - 18	
	ELB 080R08N90	13/16 - 16	1/2 - 14	
	ELB 080R12N90	13/16 - 16	3/4 - 14	
	ELB 100R08N90	1 - 14	1/2 - 14	
	ELB 100R12N90	1 - 14	3/4 - 14	
	ELB 120R08N90	1 3/16 - 12	1/2 - 14	
	ELB 120R12N90	1 3/16 - 12	3/4 - 14	
	ELB 120R16N90	1 3/16 - 12	1 - 11 1/2	
	ELB 160R12N90	1 7/16 - 12	3/4 - 14	
	ELB 160R16N90	1 7/16 - 12	1 - 11 1/2	
	ELB 200R16N90	1 11/16 - 12	1 - 11 1/2	
	ELB 200R20N90	1 11/16 - 12	1 1/4 - 11 1/2	
	ELB 240R24N90	2 - 12	1 1/2 - 11 1/2	

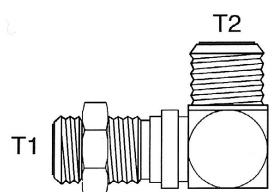
MALE 45° ELBOW NPT	Part number	ORFS thread (T1)	NPT thread (T2)	Retail price R
	ELB 040R02N45	9/16 - 18	1/8 - 27	
	ELB 040R04N45	9/16 - 18	1/4 - 18	
	ELB 040R06N45	9/16 - 18	3/8 - 18	
	ELB 060R04N45	11/16 - 16	1/4 - 18	
	ELB 060R06N45	11/16 - 16	3/8 - 18	
	ELB 060R08N45	11/16 - 16	1/2 - 14	
	ELB 080R04N45	13/16 - 16	1/4 - 18	
	ELB 080R06N45	13/16 - 16	3/8 - 18	
	ELB 080R08N45	13/16 - 16	1/2 - 14	
	ELB 100R08N45	1 - 14	1/2 - 14	
	ELB 120R12N45	1 3/16 - 12	3/4 - 14	
	ELB 160R16N45	1 7/16 - 12	1 - 11 1/2	
	ELB 200R20N45	1 11/16 - 12	1 1/4 - 11 1/2	
	ELB 240R24N45	2 - 12	1 1/2 - 11 1/2	

ADJUSTABLE ELBOW UN 90°	Part number	ORFS thread (T1)	UN thread (T2)	Retail price R
	ELB 040R04UN90	9/16 - 18	7/16 - 20	
	ELB 040R06UN90	9/16 - 18	9/16 - 18	
	ELB 040R08UN90	9/16 - 18	3/4 - 16	
	ELB 060R04UN90	11/16 - 16	7/16 - 20	
	ELB 060R06UN90	11/16 - 16	9/16 - 18	
	ELB 060R08UN90	11/16 - 16	3/4 - 16	
	ELB 060R10UN90	11/16 - 16	7/8 - 14	
	ELB 060R12UN90	11/16 - 16	1 1/16 - 12	
	ELB 080R06UN90	13/16 - 16	9/16 - 18	
	ELB 080R08UN90	13/16 - 16	3/4 - 16	
	ELB 080R10UN90	13/16 - 16	7/8 - 14	
	ELB 080R12UN90	13/16 - 16	1 1/16 - 12	
	ELB 100R08UN90	1 - 14	3/4 - 16	
	ELB 100R10UN90	1 - 14	7/8 - 14	
	ELB 100R12UN90	1 - 14	1 1/16 - 12	
	ELB 120R08UN90	1 3/16 - 12	3/4 - 16	
	ELB 120R10UN90	1 3/16 - 12	7/8 - 14	
	ELB 120R12UN90	1 3/16 - 12	1 1/16 - 12	

ADJUSTABLE ELBOW UN 90° (CONTINUED)	Part number	ORFS thread (T1)	UN thread (T2)	Retail price R
	ELB 120R16UN90	1 3/16 - 12	1 5/16 - 12	
	ELB 160R12UN90	1 7/16 - 12	1 1/16 - 12	
	ELB 160R16UN90	1 7/16 - 12	1 5/16 - 12	
	ELB 160R20UN90	1 7/16 - 12	1 5/8 - 12	
	ELB 200R16UN90	1 11/16 - 12	1 5/16 - 12	
	ELB 200R20UN90	1 11/16 - 12	1 5/8 - 12	
	ELB 240R20UN90	2 - 12	1 5/8 - 12	
	ELB 240R24UN90	2 - 12	1 7/8 - 12	

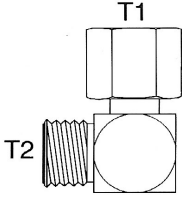
ADJUSTABLE ELBOW UN 45°	Part number	ORFS thread (T1)	UN thread (T2)	Retail price R
	ELB 040R04UN45	9/16 - 18	7/16 - 20	
	ELB 040R06UN45	9/16 - 18	9/16 - 18	
	ELB 060R04UN45	11/16 - 16	7/16 - 20	
	ELB 060R06UN45	11/16 - 16	9/16 - 18	
	ELB 060R08UN45	11/16 - 16	3/4 - 16	
	ELB 080R06UN45	13/16 - 16	9/16 - 18	
	ELB 080R08UN45	13/16 - 16	3/4 - 16	
	ELB 080R10UN45	13/16 - 16	7/8 - 14	
	ELB 100R08UN45	1 - 14	3/4 - 16	
	ELB 100R10UN45	1 - 14	7/8 - 14	
	ELB 100R12UN45	1 - 14	1 1/16 - 12	
	ELB 120R10UN45	1 3/16 - 12	7/8 - 14	
	ELB 120R12UN45	1 3/16 - 12	1 1/16 - 12	
	ELB 120R16UN45	1 3/16 - 12	1 5/16 - 12	
	ELB 160R12UN45	1 7/16 - 12	1 1/16 - 12	
	ELB 160R16UN45	1 7/16 - 12	1 5/16 - 12	
	ELB 160R20UN45	1 7/16 - 12	1 5/8 - 12	
	ELB 200R20UN45	1 11/16 - 12	1 5/8 - 12	
	ELB 240R24UN45	2 - 12	1 7/8 - 12	

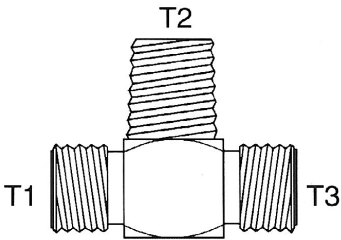
EQUAL ELBOW	Part number	ORFS thread (T1)	ORFS thread (T2)	Retail price R
	ELB 040R040R90	9/16 - 18	9/16 - 18	
	ELB 060R060R90	11/16 - 16	11/16 - 16	
	ELB 080R080R90	13/16 - 16	13/16 - 16	
	ELB 100R100R90	1 - 14	1 - 14	
	ELB 120R120R90	1 3/16 - 12	1 3/16 - 12	
	ELB 160R160R90	1 7/16 - 12	1 7/16 - 12	
	ELB 200R200R90	1 11/16 - 12	1 11/16 - 12	
	ELB 240R240R90	2 - 12	2 - 12	

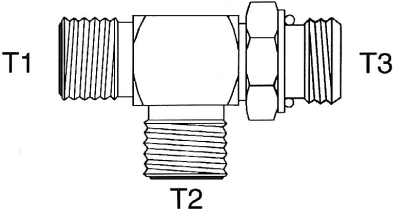
BULKHEAD ELBOW 90°	Part number	ORFS thread (T1)	ORFS thread (T2)	Retail price R
	ELB 04B0R040R90	9/16 - 18	9/16 - 18	
	ELB 06B0R060R90	11/16 - 16	11/16 - 16	
	ELB 08B0R080R90	13/16 - 16	13/16 - 16	
	ELB 10B0R100R90	1 - 14	1 - 14	
	ELB 12B0R120R90	1 3/16 - 12	1 3/16 - 12	
	ELB 16B0R160R90	1 7/16 - 12	1 7/16 - 12	
	ELB 20B0R200R90	1 11/16 - 12	1 11/16 - 12	
	ELB 24B0R240R90	2 - 12	2 - 12	

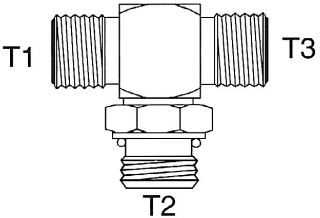
ORFS

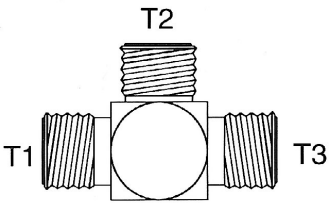
O-Ring Face Seal Fittings

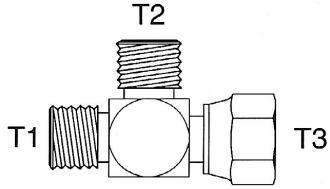
SWIVEL NUT ELBOW	Part number	ORFS thread (T1)	ORFS thread (T2)	Retail price R
	ELB 040R04FORS	9/16 - 18	9/16 - 18	
	ELB 060R06FORS	11/16 - 16	11/16 - 16	
	ELB 080R08FORS	13/16 - 16	13/16 - 16	
	ELB 100R10FORS	1 - 14	1 - 14	
	ELB 120R12FORS	1 3/16 - 12	1 3/16 - 12	
	ELB 160R16FORS	1 7/16 - 12	1 7/16 - 12	
	ELB 200R20FORS	1 11/16 - 12	1 11/16 - 12	
	ELB 240R24FORS	2 - 12	2 - 12	

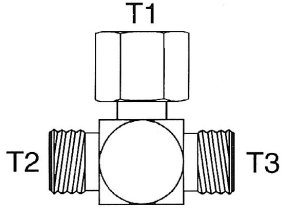
MALE BRANCH TEE NPT	Part number	ORFS thread (T1 & T3)	NPT thread (T2)	Retail price R
	TEE 040R02N040R	9/16 - 18	1/8 - 27	
	TEE 040R04N040R	9/16 - 18	1/4 - 18	
	TEE 060R04N060R	11/16 - 16	1/4 - 18	
	TEE 060R06N060R	11/16 - 16	3/8 - 18	
	TEE 080R06N080R	13/16 - 16	3/8 - 18	
	TEE 080R08N080R	13/16 - 16	1/2 - 14	
	TEE 100R08N100R	1 - 14	1/2 - 14	
	TEE 120R08N120R	1 3/16 - 12	1/2 - 14	
	TEE 120R12N120R	1 3/16 - 12	3/4 - 14	
	TEE 120R16N120R	1 3/16 - 12	1 - 11 1/2	
	TEE 160R16N160R	1 7/16 - 12	1 - 11 1/2	
	TEE 200R20N200R	1 11/16 - 12	1 1/4 - 11 1/2	
	TEE 240R24N240R	2 - 12	1 1/2 - 11 1/2	

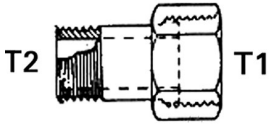
ADJUSTABLE RUN TEE UN	Part number	ORFS thread (T1 & T2)	UN thread (T3)	Retail price R
	TEE 040R040R04UN	9/16 - 18	7/16 - 20	
	TEE 060R060R06UN	11/16 - 20	9/16 - 18	
	TEE 080R080R06UN	13/16 - 16	9/16 - 18	
	TEE 080R080R08UN	13/16 - 16	3/4 - 16	
	TEE 100R100R10UN	1 - 14	7/8 - 14	
	TEE 120R120R12UN	1 3/16 - 12	1 1/16 - 12	
	TEE 160R160R16UN	1 7/16 - 12	1 5/16 - 12	
	TEE 200R200R20UN	1 11/16 - 12	1 5/8 - 12	
	TEE 240R240R24UN	2 - 12	1 7/8 - 12	

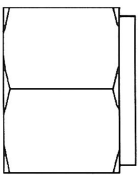
ADJUSTABLE BRANCH TEE UN	Part number	ORFS thread (T1 & T3)	UN thread (T2)	Retail price R
	TEE 040R04UN040R	9/16 - 18	7/16 - 20	
	TEE 060R06UN060R	11/16 - 16	9/16 - 18	
	TEE 080R08UN080R	13/16 - 16	3/4 - 16	
	TEE 100R10UN100R	1 - 14	7/8 - 14	
	TEE 120R12UN120R	1 3/16 - 12	1 1/16 - 12	
	TEE 160R16UN160R	1 7/16 - 12	1 5/16 - 12	
	TEE 200R20UN200R	1 11/16 - 12	1 5/8 - 12	
	TEE 240R24UN240R	2 - 12	1 7/8 - 12	

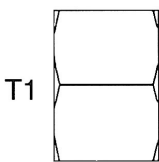
EQUAL TEE	Part number	ORFS thread (T1 & T2)	ORFS thread (T3)	Retail price R
	TEE 040R040R040R	9/16 - 18	9/16 - 18	
	TEE 060R060R060R	11/16 - 16	11/16 - 16	
	TEE 060R060R080R	11/16 - 16	13/16 - 16	
	TEE 080R080R080R	13/16 - 16	13/16 - 16	
	TEE 100R100R100R	1 - 14	1 - 14	
	TEE 120R120R120R	1 3/16 - 12	1 3/16 - 12	
	TEE 160R160R160R	1 7/16 - 12	1 7/16 - 12	
	TEE 200R200R200R	1 11/16 - 12	1 11/16 - 12	
	TEE 240R240R240R	2 - 12	2 - 12	

SWIVEL NUT RUN TEE	Part number	ORFS thread (T1 & T2)	ORFS thread (T3)	Retail price R
	TEE 040R040R04FORS	9/16 - 18	9/16 - 18	
	TEE 060R060R06FORS	11/16 - 16	11/16 - 16	
	TEE 080R080R08FORS	13/16 - 16	13/16 - 16	
	TEE 100R100R10FORS	1 - 14	1 - 14	
	TEE 120R120R12FORS	1 3/16 - 12	1 3/16 - 12	
	TEE 160R160R16FORS	1 7/16 - 12	1 7/16 - 12	
	TEE 200R200R20FORS	1 11/16 - 12	1 11/16 - 12	
	TEE 240R240R24FORS	2 - 12	2 - 12	

SWIVEL NUT BRANCH TEE	Part number	ORFS thread (T1 & T3)	ORFS thread (T2)	Retail price R
	TEE 040R04FORS040R	9/16 - 18	9/16 - 18	
	TEE 060R06FORS060R	11/16 - 16	11/16 - 16	
	TEE 080R08FORS080R	13/16 - 16	13/16 - 16	
	TEE 100R10FORS100R	1 - 14	1 - 14	
	TEE 120R12FORS120R	1 3/16 - 12	1 3/16 - 12	
	TEE 160R16FORS160R	1 7/16 - 12	1 7/16 - 12	
	TEE 200R20FORS200R	1 11/16 - 12	1 11/16 - 12	
	TEE 240R24FORS240R	2 - 12	2 - 12	

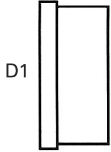
REDUCER	Part number	ORFS thread (T1)	ORFS thread (T2)	Retail price R
	RED 06FORS040R	11/16 - 16	9/16 - 18	
	RED 08FORS040R	13/16 - 16	9/16 - 18	
	RED 08FORS060R	13/16 - 12	11/16 - 16	
	RED 10FORS040R	1 - 14	9/16 - 18	
	RED 10FORS060R	1 - 14	11/16 - 16	
	RED 10FORS080R	1 - 14	13/16 - 16	
	RED 12FORS040R	1 3/16 - 12	9/16 - 18	
	RED 12FORS060R	1 3/16 - 12	11/16 - 16	
	RED 12FORS080R	1 3/16 - 12	13/16 - 16	
	RED 12FORS100R	1 3/16 - 12	1 - 14	
	RED 16FORS080R	1 7/16 - 12	13/16 - 16	
	RED 16FORS100R	1 7/16 - 12	1 - 14	
	RED 16FORS120R	1 7/16 - 12	1 3/16 - 12	
	RED 20FORS160R	1 11/16 - 12	1 7/16 - 12	
	RED 24FORS160R	2 - 12	1 7/16 - 12	
	RED 24FORS200R	2 - 12	1 11/16 - 12	

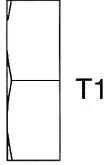
CAP WITH SLEEVE	Part number	ORFS thread (T1)	Retail price R
	CAP 04FOR	9/16 - 18	
	CAP 06FOR	11/16 - 16	
	CAP 08FOR	13/16 - 16	
	CAP 10FOR	1 - 14	
	CAP 12FOR	1 3/16 - 12	
	CAP 16FOR	1 7/16 - 12	
	CAP 20FOR	1 11/16 - 12	
	CAP 24FOR	2 - 12	

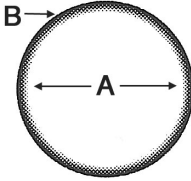
NUT	Part number	ORFS thread (T1)	Retail price R
	NUT 040R	9/16 - 18	
	NUT 060R	11/16 - 16	
	NUT 080R	13/16 - 16	
	NUT 100R	1 - 14	
	NUT 120R	1 3/16 - 12	
	NUT 160R	1 7/16 - 12	
	NUT 200R	1 11/16 - 12	
	NUT 240R	2 - 12	

ORFS

O-Ring Face Seal Fittings

CAP SLEEVE	Part number	(D1)		Retail price R
		inches	mm	
	SLE 040R	1/4	6.35	
	SLE 060R	3/8	9.52	
	SLE 080R	1/2	12.70	
	SLE 100R	5/8	15.90	
	SLE 120R	3/4	19.05	
	SLE 160R	1	25.40	
	SLE 200R	1 1/4	31.75	
	SLE 240R	1 1/2	38.10	

LOCKNUT	Part number	ORFS	Retail price R
		thread (T1)	
	LN 040R	9/16 - 18	
	LN 060R	11/16 - 16	
	LN 080R	13/16 - 16	
	LN 100R	1 - 14	
	LN 120R	1 3/16 - 12	
	LN 160R	1 7/16 - 12	
	LN 200R	1 11/16 - 12	
	LN 240R	2 - 12	

O-RING	Part number	A	B	Retail price R
	ORI 040R	7.64	1.77	
	ORI 060R	9.24	1.77	
	ORI 080R	12.42	1.77	
	ORI 100R	15.60	1.77	
	ORI 120R	18.77	1.77	
	ORI 160R	23.52	1.77	
	ORI 200R	29.87	1.77	
	ORI 240R	37.82	1.77	