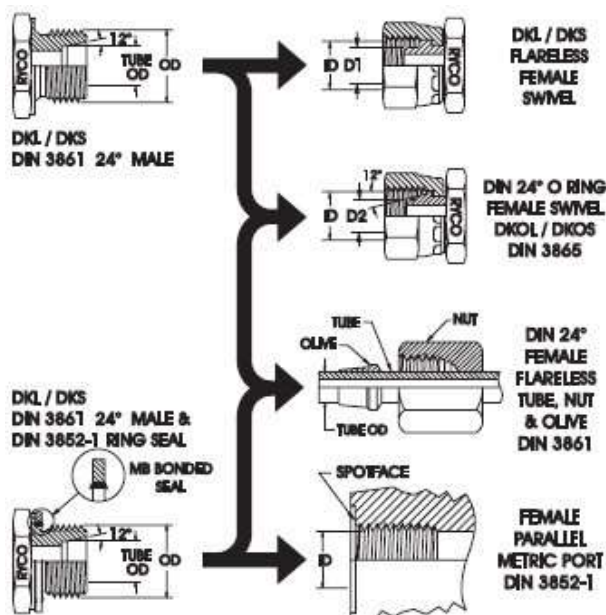


## METRIC DIN THREADS

DIN is DEUTSCHE INDUSTRIE NORMEN (GERMAN INDUSTRIAL STANDARD)

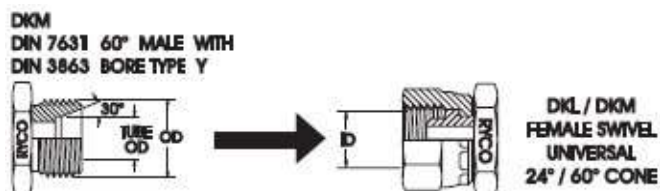
- Thread Form per DIN 3853, ISO 261
- 24° Cone Seat per DIN 3861, ISO 8434-1/DIN 2353
- O Ring Seal per DIN 3865
- Bonded Seal and Port per DIN 3852-1
- DKL is DICHT KEGEL LEICHT – (Metric Light Series 24° Cone)
- DKS is DICHT KEGEL SCHWER – (Metric Heavy Series 24° Cone)
- DKOL is DICHT KEGEL O RING LEICHT – (Metric Light O Ring Series 24° Cone)
- DKOS is DICHT KEGEL O RING SCHWER – (Metric Heavy O Ring Series 24° Cone)
- DKM is DICHT KEGEL METRIC – (Metric 60° Cone)



This DIN connection comes in a Light Series (DKL/DKOL) and a Heavy Series (DKS/DKOS). Some thread sizes in each series are the same, but the Tube OD of the Heavy Series is smaller and has a thicker tube wall. Because the tube and sealing cone are different sizes, Light and Heavy Series are NOT interchangeable. The DIN male 24° internal cone seat will seal with flareless female swivel fittings. These female fittings use either a spherical nose (DKL/DKS) or an O Ring seal (DKOL/DKOS) located on their outward facing 24° cone. Female DKL sizes up to and including M26 have a universal 24°/60° cone and can be used in place of female DKM fittings with 60° cone.

The same male also mates with the DIN system Metric Tube, Tube Nut and Compression Olive (Cutting Ring). Tightening of the female nut compresses the olive causing it to cut into the tube, thereby forming a seal between the tube, olive and 24° male cone.

The same male used with a metal Bonded Seal will mate with a DIN 3852-1 metric threaded port with spotface.



### DKM 60° CONE SEAT

The DIN male 60° internal cone seat will mate with DKL/DKM female universal 24°/60° cone fittings up to and including size M26 and DKM female 60° cone fittings from size M30 up.

MALE THREAD OD & PITCH mm	FEMALE THREAD ID mm	LIGHT SERIES – DKL/DKOL				HEAVY SERIES – DKS/DKOS			
		DASH SIZE	TUBE OD mm	D1 DIA mm	D2 DIA mm	DASH SIZE	TUBE OD mm	D1 DIA mm	D2 DIA mm
M12 x 1,5	10,5	-1215*	6	7,5	6,3				
M14 x 1,5	12,5	-1415*	8	9,5	8,2	-1415	6	7,5	6,3
M16 x 1,5	14,5	-1615*	10	11,5	10,2	-1615	8	9,5	7,9
M18 x 1,5	16,5	-1815*	12	14,0	12,2	-1815	10	12,0	10,0
M20 x 1,5	18,5					-2015	12	14,0	12,0
M22 x 1,5	20,5	-2215*	15	17,0	15,2	-2215	14	16,0	14,2
M24 x 1,5	22,5					-2415	16	18,0	15,8
M26 x 1,5	24,5	-2615*	18	20,0	18,2				
M30 x 2,0	28,0	-3020	22	24,5	22,2	-3020	20	22,5	19,8
M36 x 2,0	34,0	-3620	28	30,5	28,2	-3620	25	27,5	24,5
M42 x 2,0	40,0					-4220	30	33,0	30,0
M45 x 2,0	43,0	-4520	35	38,0	35,4				
M52 x 2,0	50,0	-5220	42	45,0	42,4	-5220	38	41,0	36,8