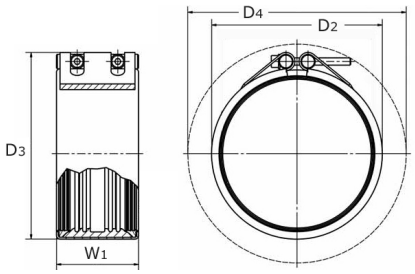
Plastlock pipe coupling

short name: TAPL*

TEEKAY

for plastic pipes

- axially restrained -



technical product sheet

DW	D1	AD Tol.	PN	W1	D2	D3	D4	M	kg
EPDM	25,0	24,7 - 25,4	16	45	37	54	81	2 x M6	0,160
EPDM	32,0	31,7 - 32,4	16	45	44	61	88	2 x M6	0,170
EPDM	40,0	39,0 - 40,0	16	85	57	69	132	2 x M8	0,420
EPDM	50,0	49,0 - 51,0	16	85	67	83	134	2 x M8	0,710
EPDM	63,0	62,0 - 64,0	16	88	80	96	145	2 x M8	0,900
EPDM	75,0	74,0 - 76,0	16	88	93	108	184	2 x M10	0,950
EPDM	90,0	88,0 - 91,0	16	88	107	123	193	2 x M10	1,050
EPDM	110,0	109,0 - 112,0	16	88	128	148	208	2 x M10	1,410
EPDM	125,0	124,0 - 127,0	16	89	144	161	219	2 x M10	1,750
EPDM	125,0	124,0 - 127,0	16	110	144	161	219	2 x M10	1,750
EPDM	140,0	139,0 - 142,0	16	140	159	184	241	2 x M12	2,650
EPDM	160,0	159,0 - 162,0	16	140	180	206	258	2 x M12	3,150
EPDM	180,0	179,0 - 182,0	16	117	203	226	278	2 x M12	0,000
EPDM	200,0	199,0 - 202,0	10	119	226	252	321	2 x M16	6,700
EPDM	224,0	224,0 - 227,0	10	120	251	278	342	2 x M16	6,900
EPDM	250,0	249,0 - 252,0	10	120	276	302	364	2 x M16	7,300
EPDM	315,0	314,0 - 317,0	10	120	341	368	418	2 x M16	9,200

available material: ask

Teekay Plastlock

The patented PLASTLOCK-Pipe Couplings makes it possible to connect synthetic materials easily. The Pipe-couplings have a dynamic axial anchor-system to prevent the separation of the pipes. The Sticking, welding, flanging and the use of Pipe-connecting parts is not needed, as far as the SDR-Ratio (Standard-Dimension-Ratio) is adhered to.

As Synthetic materials, due to their nature, normally move around when pressure is applied to them the anchor mechanism of the PLASTLOCK-Pipe coupling has three individual grades of anchoring. These hold the synthetic pipes together due to the consistent connection oft he anchor-rings with the surface of the pipes.
Each anchor ring has a own chamber in which the material of the Pipe can enter as soon as the anchor ring touches the surface. The form of the anchor rings make it possible to absorb the material oft he pipes, instead of only cutting into them.
Through the absorption oft he Materials inside oft he anchoring mechanism the Pipe-coupling gives these a very solid connection.

As the pressure from outside of the tube or on the inside of the tube rises, the tensile strength of the connection also rises because of the design oft he interlocking connection.

Dimension range
The listed dimensions correspond only to the most common dimensions.
Couplings with other diameters can also be made.

Material selection

Version	Housing	Seal
Type I	AISI 304/ 1.4301	Carbon steel, PTFE coated
Type II	AISI 304/ 1.4301	AISI 316/ 316L
Type IV	AISI 316L/ 1.4404	AISI 316/ 316L

Temperature Range

Sealing Material	Temperature Range
EPDM	-40°C to +100°C
NBR	-20°C to +80°C
HNBR	-20°C to +150°C
FKM	-20°C to +180°C

Suitability

Materials
Polyethylene
Polibutylene
PVC-C
PVC-U
ABS
Polypropylene