

Table 1: list of products for assessment

Item	Description	Model ID	Size in mm
1	DZR Brass Standard Ferrule for dry tapping	WSF20	20
2	DZR Brass Standard Ferrule for dry tapping	WSF25	25
3	DZR Brass TPFNR Ferrule for wet tapping	WPF20	20
4	DZR Brass TPFNR Ferrule for wet tapping	WPF25	25
5	DZR Brass Ferrule Bend w/Copper compression outlet	WBC20	20
6	DZR Brass Ferrule Bend w/Copper compression outlet	WBC25	25
7	DZR Brass Ferrule Bend with Plain Male Thread	WBM20	20
8	DZR Brass Ferrule Bend with Plain Male Thread	WBM25	25

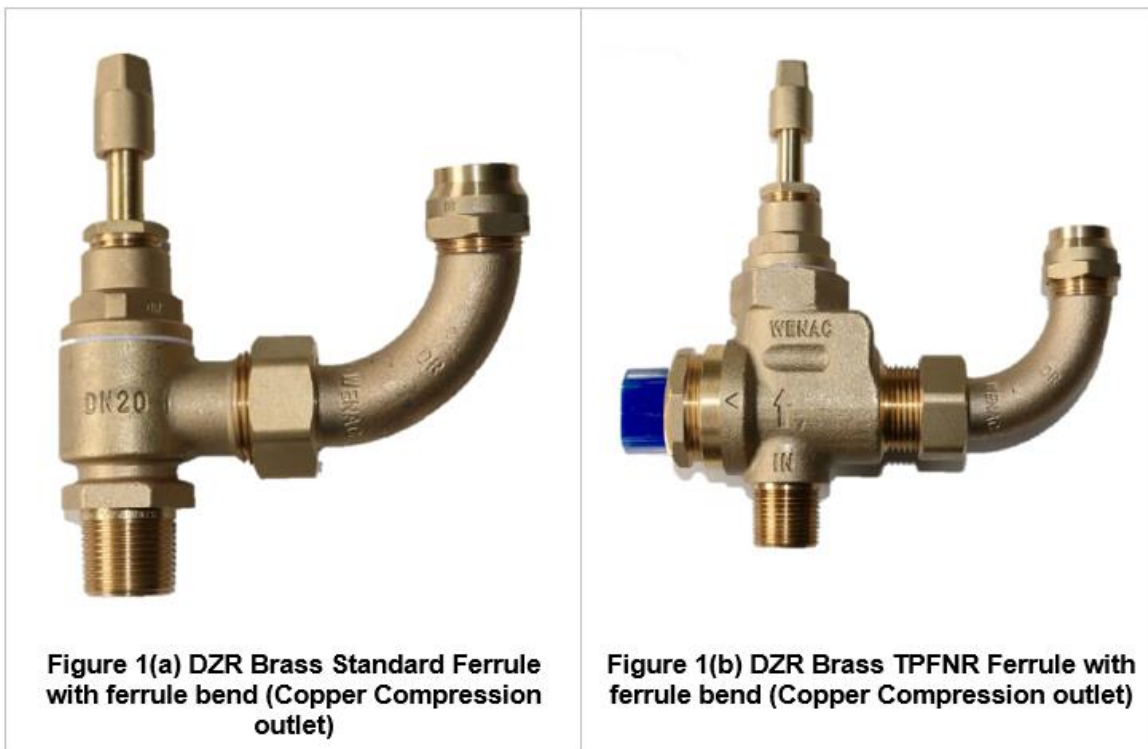
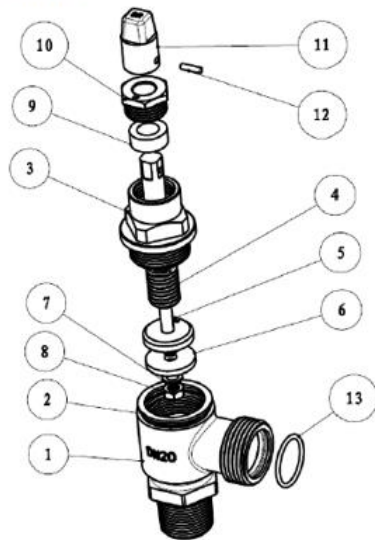


Figure 1: Standard and TPFNR ferrules with ferrule bends

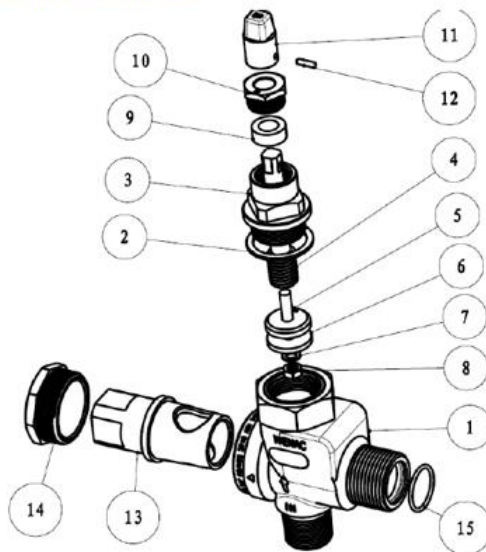
Component and Material List



No	Component	Description	Material
1	WSF20-01	DN20 Body	CW602N
2	37.5x30.3x1.5	Body Seal	PTFE
3	WSF20-02	Stuffing Box	CW602N
4	WSF20-03	Spindle	CW602N
5	WSF20-04	Jumper Valve	CW602N
6	25x6.1x3.0	Seal	EPDM
7	10x6.1x1	Washer	SS304
8	M6	Nut	SS304
9	WSF-seal	Gland Seal	PTFE
10	WSF20-05	Gland Nut	CW602N
11	WSF20-06	Key Top	CW602N
12	WSF-pin	Key Pin	HPb59-1
13	WSF-Oring	O Ring	EPDM

Standard Ferrule for dry tapping

Component and Material List



No	Component	Description	Material
1	WPF20-01	DN20 Body	CW602N
2	37.5x30.3x1.5	Body Seal	PTFE
3	WSF20-02	Stuffing Box	CW602N
4	WSF20-03	Spindle	CW602N
5	WSF20-04	Jumper Valve	CW602N
6	25x6.1x3.0	Seal	EPDM
7	10x6.1x1	Washer	SS304
8	M6	Nut	SS304
9	WSF-seal	Gland Seal	PTFE
10	WPF20-05	Gland Nut	CW602N
11	WPF20-06	Key Top	CW602N
12	WSF-pin	Key Pin	HPb59-1
13	WPF20-03	PE Plug	HDPE
14	WPF20-02	Retaining Nut	CW602N
15	WSF-Oring	O Ring	EPDM

TPFNR Ferrule for wet tapping