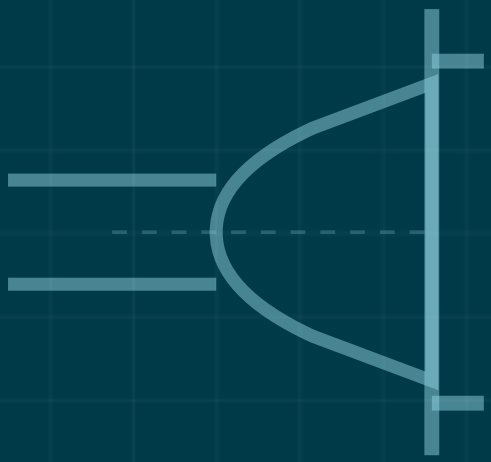
PRODUCT DATA SHEET

FLANGES · 12

Weld Neck Flanges

Tapered-hub flanges butt-welded to the pipe for a smooth, full-bore transition — the first choice for cyclic, high-pressure and high-temperature service. ASME B16.5 / B16.47 · EN 1092-1 Type 11.

WN | WNRF | TYPE 11



½–60″ NPS	150–2500 ASME class	PN 2.5–400 EN 1092-1	bore-matched hub
SIZE RANGE	RATING	EN RATING	SCHEDULE

Weld Neck Flanges

– 01 / SPECIFICATION

STANDARDS & CONSTRUCTION

ASME B16.5 / B16.47 ASME

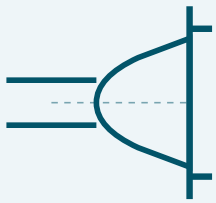
Size range	NPS ½"–24" (B16.5) · 26"–60" (B16.47)
Pressure class	150·300·400·600·900·1500·2500*
Bore	Matched to pipe schedule (SCH)
Facing	RF · FF · RTJ
Note	*Class 2500 to NPS 12

EN 1092-1 EN

Type	11 – weld-neck flange
Size range	DN 10 – DN 4000
Pressure	PN 2.5 – PN 400
Facing	A · B1 · B2 · C · D · E · F

APPLICATIONS

- High-pressure & high-temperature process
- Cyclic, fatigue & thermal-shock service
- Oil, gas, refinery & petrochemical
- Power generation & steam lines
- Critical & hazardous-fluid piping



Weld Neck Flanges — schematic (not to scale)

MATERIAL GRADES

Standard	Grades
ASTM A105	Forged carbon steel
ASTM A182	F304/F304L · F316/F316L (stainless)
ASTM A350 LF2	Low-temperature carbon steel
EN 1092-1	P245GH · P265GH · 1.4301 · 1.4404

HOW TO ORDER

1 · Product	Weld-neck flange
2 · Size	e.g. 8" / DN200
3 · Class / PN	e.g. Class 600
4 · Bore / schedule	e.g. SCH 40
5 · Facing	RF
6 · Grade	ASTM A105
7 · Cert	EN 10204 3.1

WELD NECK · 8" · Class 600
ASME B16.5 · RF (6.4 mm)
Bore SCH 40 · ASTM A105
MTC EN 10204 3.1

STANDARDS & FACING

ASME B16.5 | EN 1092-1 | ASME B16.47 | ASME B16.25 | MSS SP-44 | ASME B16.20 | EN 10204 3.1 | ISO 9001:2015